

## **Historic, Archive Document**

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INDEXED

6243

# FAIRMETER STEED and NURSERY CO. Faribault, Minnesota



1 1932  
U. S. Department of Agriculture  
F. S. N. Co.'s  
Oxheart Tomatoes

A new introduction and a distinctively different Tomato—of attractive shape, large size, unsurpassed table quality. A heavy yielder. Skin is smooth, pink in color; fruit almost seedless and the flesh an inch thick. See page 24. Pkt., 15c; ¼ oz., 30c; ½ oz., 50c; lb., \$2.50, prepaid.

## New White Gold Potatoes

The earliest White Potato grown. Introduced last season. Earlier than Bliss Triumph, Irish Cobbler or Early Ohio. A big yielder and the most promising money maker of the present time. Price: 10 lbs., \$1.00 (prepaid to third zone). See page 77 for quotations in larger quantities.



# Season 1932

Wells Seed Trade  
JAN 27 1932



# Newest and Best in Vegetables

## 223—Early Sunshine Sweet Corn

The earliest, large-eared Yellow Sweet Corn for home garden or market. Ears are 12-rowed, larger than Golden Bantam and ready for use 7 to 10 days earlier. The yield from Early Sunshine has been a big surprise and the fine quality always assures a profitable market—a money maker for gardeners. 2¼-oz. pkt., 10c; ½ lb., 20c; lb., 30c; 2 lbs., 55c, prepaid. See page 22 for quotations in larger quantities.

## 480—Potlatch Peas

A real surprise and a quality Pea. Pods about 3½ to 4 inches in length, well filled with large, sweet peas of excellent flavor. Best of all, they ripen early. Strong, vigorous vines growing 18 to 20 inches tall. Very prolific.

Large pkt., 10c; ½ lb., 20c; lb., 30c; 2 lbs., 55c, prepaid. See page 17 for quotations in larger quantities.

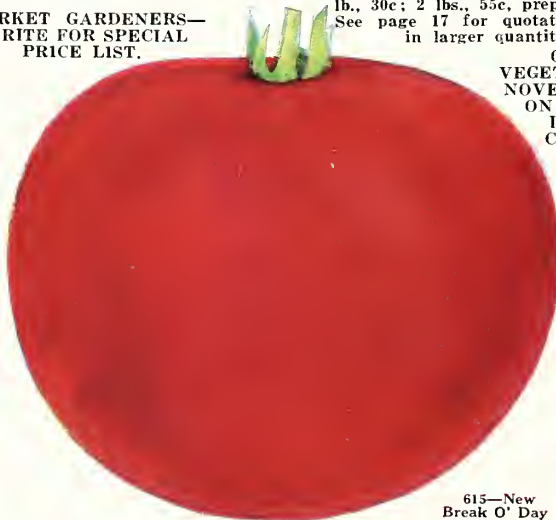
MARKET GARDENERS—  
WRITE FOR SPECIAL  
PRICE LIST.

OTHER  
VEGETABLE  
NOVELTIES  
ON BACK  
INSIDE  
COVER.

WE  
STAKE  
OUR  
REPUTATION  
ON THESE  
OUTSTANDING  
VARIETIES.



223—Early Sunshine Sweet Corn.



615—New Break O' Day Tomato.



480—Potlatch Peas.

## 25—Burpee's Stringless Green Pod Beans

The real stringless variety and the most popular for home market. An abundant cropper. Pods are thick, round, fleshy, tender and brittle. Color is dark green—pods about 5 inches long. Quality cannot be excelled and for this reason it is preferred by most canners. Large pkt., 8c; ½ lb., 20c; lb., 30c, prepaid. See page 3.

## 615—Break O' Day Tomato

The newest sensation—an extra early strain of Marglobe—disease resistant also. Earlier than Bonny Best. True globe-shape and of same fine quality and color as Marglobe. A great Tomato for early market—developed by the Department of Agriculture. Seed very scarce. Pkt., 15c; ¼ oz., 25c; ½ oz., 45c; oz., 80c; ¼ lb., \$2.25, prepaid. See page 24.

## 177—Red Cored Chantenay Carrot

This new strain is becoming immensely popular. Is medium early—a half long variety and very productive. Tops of medium size, with small necks. Roots grow 5 to 6 inches in length—orange-red color, with a distinctly reddish core. Flesh very crisp and of fine flavor. Gardeners find a ready demand for this new strain. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., \$1.50, prepaid. See page 6.



25—Burpee's Stringless Green Pod.



166—Super Snowball Cauliflower.

## 166—Super Snowball Cauliflower

Undoubtedly the finest and best early Cauliflower. The plants are dwarf and compact—vigorous growers. Stem is short and the heads are protected by leaves. Super Snowball matures uniformly, is crisp, very firm and solid, measuring 6 to 10 inches in diameter. Ready to cut in 100 to 120 days from seed. A sure heading and quick growing pure white variety of superb quality. No gardener should overlook this. Pkt., 20c; ¼ oz., 75c; ½ oz., \$1.25. See page 7.



177—Red Cored Chantenay Carrot.



# BLUE FIGURE PRICE LIST

Prices subject to market changes, stocks being unsold, bags included in weight.

THE FARMER SEED & NURSERY CO. guarantee all Red and Alsike Clover, as well as the Alfalfa they are offering, as strictly home-grown or northwestern grown seed, but give no warranty, express or implied, as to the descriptions, productiveness, or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. Purity and germination tests are given for guidance only, and without guarantee. If the purchaser does not accept goods on these terms, they are to be returned at once.

**FARMER SEED & NURSERY CO. Faribault, Minn., JAN. 16, 1932**

## Special Opportunity Lots for Early Buyers

### LOT "THRIFT" MEDIUM RED CLOVER

Fine plump beautifully colored seed. This lot has been cleaned over our mills three times. It contains just a trace of pigeon grass and our laboratory analysis shows it to be free from noxious weeds. It comes direct from the heart of the finest Clover lands in Minnesota and is therefore perfectly hardy. Lot "Thrifty" is offered at the lowest price for which quality seed has ever been sold. Such seed will lay the foundation for future crops and pay dividends for years to come. This offer will be withdrawn when lot is sold.

Price: Peck, \$2.60; 1/2 bu., \$4.95; bu., \$9.50; 100 lbs. \$15.50. F. O. B. Faribault. Bags included.

### LOT "FORTUNE" ALSIKE CLOVER

Only because we are located in the heart of the Alsike country can we offer such exceptional values, and this is our outstanding lot. Nearly equal to "Master Farmer" quality—nothing noxious in it—only a slight trace of Timothy or White Dutch Clover. Makes the finest kind of hay and fertilizer crop and those who know quality seed will recognize an opportunity. If uncertain, have your Experiment Station report to you on this sample. Here is quality foremost, and still at a low price. While unsold.

Price: Peck, \$2.50; 1/2 bu., \$4.65; bu., \$8.90; 100 lbs., \$14.50. F. O. B. Faribault. Bags included.

### LOT "JOY" VARIEGATED ALFALFA U. S. VERIFIED ORIGIN

We bought this seed direct from our growers in Montana from where our hardy Grimm strains have come for the past many years. Variegated Alfalfa is similar to Grimm in hardiness and productiveness, and these fields have produced seed crops for the past 40 years. This lot has been carefully re-cleaned, represents a purity of over 99% and will stand up with the hardest strains grown anywhere. For a dependable hay crop, best soil fertilizer or a profitable seed crop, this seed cannot be surpassed.

Price: Peck, \$3.00; 1/2 bu., \$5.65; bu., \$10.85; 100 lbs., \$17.75. F. O. B. Faribault. Bags included.

### LOT "MIRACLE" TIMOTHY AND ALSIKE

This wonder mixture containing 20-25% Alsike Clover always produces tons of exceptionally fine quality hay. It is our greatest selling mixture and represents the most for the money in a hay crop. Only highest quality seeds, perfectly re-cleaned, are used, and no noxious weeds to fear. We never sacrifice quality to make a cheap price possible, though the greatest values in years are offered at this time.

Price: 1/2 bu., \$2.15; bu., (50 lbs.), \$3.85; 100 lbs., \$7.35. F. O. B. Faribault. Bags included.

**YOU WILL PROBABLY NEVER AGAIN SEE SUCH EXTREMELY LOW PRICES FOR "MASTER FARMER" QUALITY SEEDS**

### NORTHERN GROWN CLOVERS

NOXIOUS WEED FREE

(Bu. 60 lbs.)	Purity	Peck	Bu.	100 lbs.
MEDIUM RED				
Master Farmer Brand.....	99.20	\$2.85	\$10.70	\$17.50
Fancy.....	98.00	2.70	10.10	16.50
MAMMOTH CLOVER				
Master Farmer Brand.....	99.30	3.00	11.45	18.75
WHITE DUTCH CLOVER				
Fancy.....	98.00	5.85	22.75	37.50
ALSIKE				
Master Farmer Brand.....	99.00	2.60	9.80	16.00
Fancy.....	98.00	2.50	9.35	15.25
ALSIKE AND TIMOTHY				
(Bu. 50 lbs.)				
20-25% Alsike.....	1.15	4.00	7.75	
30-35% Alsike.....	1.30	4.55	8.75	
SWEET CLOVER, WHITE BLOSSOM				
Master Farmer Brand.....	99.50	1.20	4.10	6.50
Fancy.....	99.25	1.15	3.95	6.25
SWEET CLOVER, GRUNDY COUNTY				
Master Farmer Brand.....	99.50	1.20	4.10	6.50
SWEET CLOVER, YELLOW BLOSSOM				
Master Farmer Brand.....	99.50	1.20	4.10	6.50
SWEET CLOVER, HUBAM, ANNUAL WHITE				
Master Farmer Brand.....	99.50	2.10	8.00	13.00

### ALFALFAS—U. S. VERIFIED ORIGIN

(NOTE—Registered and State Sealed Grimm is put up in 30-lb., 60-lb., 100-lb. and 150-lb. Sealed Bags.)

	Purity	Peck	Bu.	100 lbs.
DAKOTA NO. 12 SOUTH DAKOTA OR MONTANA GROWN				
Master Farmer Brand.....	99.00	\$2.85	\$10.70	\$17.50
MONTANA DRY LAND				
Master Farmer Brand.....	99.10	2.70	10.10	16.50
NORTHWESTERN—MONTANA GROWN				
(Not to be confused with Kans. or Neb. seed).....	99.00	2.60	9.65	15.75
GRIMM—BLACK HILLS STATE SEALED AND REGISTERED				
Blue Tag.....	99.50	4.20	16.25	26.75
White Tag.....	99.00	4.10	15.90	26.25
GRIMM—MONTANA OR BLACKFOOT IDAHO—STATE SEALED AND REGISTERED				
Blue Tag.....	99.50	4.20	16.25	26.75
GRIMM—MINNESOTA STATE SEALED AND REGISTERED				
Blue Tag.....	99.50	4.50	17.30	28.50
GRIMM—MONTANA GROWN—(Not for sale in Minn. or Wise.)				
Sealed Bags—Grower's Affidavit.....	99.50	3.10	11.90	19.50
VARIEGATED—MONTANA GROWN (Similar to Grimm)				
Master Farmer Brand.....	99.50	2.95	11.30	18.50
COSSACK CERTIFIED				
So. Dakota or Montana Grown. Grower's Affidavit Sealed Bags.....	99.42	3.85	14.00	23.00

### HARDY GRASSES

Prices include sacks	25 Lbs.	50 Lbs.	100 Lbs.
TIMOTHY (Bu. 45 lbs.)			
Master Farmer Brand.....	\$1.75	\$3.15	\$6.00
Fancy.....	1.70	3.10	5.75
TIMOTHY AND ALSIKE			
(Bu. 50 lbs.)			
20-25% Alsike.....	2.20	4.00	7.75
30-35% Alsike.....	2.40	4.55	8.75
BROMUS INERMIS.....	4.00	7.75	15.00
REED CANARY GRASS, Per lb., \$1.00; 5 lbs. @ 90c; 25 lbs. @ 85c;			
Write for prices on larger quantities.			
ENGLISH RYE GRASS (Perennial).....	2.65	4.95	9.50
ITALIAN RYE GRASS.....	2.75	5.20	10.00
ORCHARD GRASS.....	3.50	6.70	13.00

Prices include sacks	25 Lbs.	50 Lbs.	100 Lbs.
KENTUCKY BLUE GRASS			
Master Farmer Brand.....	4.75	9.20	18.00
Fancy.....	4.65	8.95	17.50
CREEPING BENT, 10 lbs. @ \$1.00 lb.; 25 lbs. @ 90c; 100 lbs. @ 85c lb.			
MEADOW FESCUE.....	3.30	6.25	12.00
RED TOP			
Master Farmer.....	3.55	6.85	13.25
Fancy.....	3.50	6.70	13.00
LAWN AND GOLF MIXTURES..... See Page 28			
SPECIAL PASTURE AND MEADOW MIXTURES..... See Page 64			

# Farmer Seed & Nursery Co's Blue Figure Price List

## IMPROVED SEED GRAINS

Prices include sacks	Germ. %	Peck	Bu.	5 Bu. @	10 Bu. @
<b>WHEAT (Bu. 60 lbs.)</b>					
Hope—Rust and Smut Resistant	.95	\$0.55	\$1.30	\$1.20	\$1.10
Marquillo, Rust Resistant Certified	.95	.50	1.20	1.10	1.00
Ceres Rust Resistant	.95	.50	1.20	1.10	1.00
Marquils Type, Minn.	.95	.50	1.20	1.10	1.00
Mindum Durum	.95	.55	1.40	1.35	1.25
<b>SPELTZ OR EMMER (Bu. 40 lbs.)</b>					
	.92	.46	.95	.85	.75
<b>OATS (Bu. 32 lbs.)</b>					
Minrus, Rust Resistant Certified	.98	.35	.85	.80	.75
New Anthony, Rust Resistant Certified	.97	.30	.80	.75	.70
logold Rust Resistant, Cert.	.98	.30	.75	.70	.65
Roosevelt	.97	.30	.80	.75	.70
Swedish Select Wis. No. 5	.97	.30	.75	.70	.65
Iowa No. 105, Certified	.97	.30	.75	.70	.65
Early Minnesota White	.97	.30	.70	.65	.60
Gopher, Certified	.97	.30	.75	.70	.65
Gopher, Not Certified	.97	.30	.70	.65	.60
Early Kherson	.97	.30	.70	.65	.60
<b>BARLEY (Bu. 48 lbs.)</b>					
New Era White Hullless	.90	.45	1.05	1.00	.95
Velvet, Minn. No. 447, Cert.	.95	.40	1.00	.95	.90
Glabron, Minn. No. 445, Certified	.95	.35	.85	.80	.75
Dryland, Smooth Bearded		Write for prices.			
<b>SPRING RYE (Bu. 56 lbs.)</b>					
	.93	.45	1.05	1.00	.95
<b>FLAX (Bu. 56 lbs.)</b>					
Red Wing, Certified, Rust and Wilt Resistant	.95	.85	2.45	2.35	2.25
Red Wing, (Not Certified)	.95	.80	2.25	2.20	2.10
Winona, Wilt Resistant	.95	.75	2.15	2.10	2.00
Bison, Rust and Wilt Resistant Certified	.95	.80	2.25	2.20	2.10
Buda, Rust and Wilt Resistant Certified	.95	.80	2.25	2.20	2.10
Minn. No. 25 Primost	.95	.75	2.10	2.00	1.90
<b>BUCKWHEAT (Bu. 50 lbs.)</b>					
Japanese	.92	.50	1.35	1.30	1.25
Silver Hull	.92	.50	1.35	1.30	1.25
Mixed Varieties	.92	.50	1.30	1.25	1.20

## RAPE, CANE, KAFFIR CORN, MILLET

	10 Lbs.	25 Lbs.	50 Lbs.	100 Lbs.
<b>RAPE</b>				
Dwarf Essex	\$0.95	\$1.85	\$3.40	\$6.50
Dwarf Victoria	1.00	2.00	3.70	7.00
<b>SUGAR CANE</b>				
Minnesota, Early Amber	.65	1.25	2.20	4.00
Southern Grown for Fodder	.60	1.10	1.90	3.50
<b>KAFFIR CORN</b>				
	.55	1.05	1.80	3.25
<b>FETERITA</b>				
	.60	1.10	1.90	3.50
<b>SUDAN GRASS</b>				
	.50	.95	1.65	3.00
<b>SUNFLOWER</b>				
Mam. Russian	.90	1.90	3.40	6.50
<b>MILLET</b>				
Golden or German, Southern Grown	.50	1.05	1.80	3.25
Siberian	.50	.95	1.65	3.00
Hungarian	.50	1.00	1.75	3.15
Common	.50	.95	1.65	3.00
Japanese (Billon Dollar Grass)	.65	1.25	2.15	4.00
Broom Corn or Hog (Hersche)	.50	.95	1.55	2.75
Early Fortune	.50	.95	1.55	2.75
Turghai—Proso	.65	1.30	2.30	4.25

## FIELD BEANS, PEAS, VETCHES

(Bu. 60 lbs.)	Peck	Bu.	100 lbs.
Canada Yellow Field Peas (Master Farmer)	\$0.95	\$3.25	\$5.00
Field Beans, Great Northern (See page 4).			
Field Beans, Robust Navy (See page 4).			
Vetches, Hairy or Winter (Mich. Grown)	1.90	7.00	11.50

## MINNESOTA GROWN SEED CORN

Double Cross Hybrid Corn in peck, 1/2 bu. and 1 bu. State sealed bags; all other Certified Seed Corn in 1-bu., 2-bu. and 2 1/2-bu. State Sealed Bags.

Grown by us in Rice and Le Sueur Counties, Minn.

GERMINATION 90% and Over—FIRE CURED

Prices include bags (Bu. 56 lbs.)	Peck	Bu.	2 1/2 @	10 Bu. @
<b>NEW DOUBLE CROSS HYBRID</b>				
I. X. E. Strain Cert.	\$1.75	\$6.00		
<b>NEW DOUBLE CROSS HYBRID Butts and Tips, Certified</b>				
GOLDEN JEWEL, Certified	1.25	4.00		
GOLDEN JEWEL, Not Certified	.85	2.85	2.75	2.65
GOLDEN KING, Certified	.75	2.60	2.50	2.40
Minnesota No. 13 Central Strain, Cert.	.85	2.85	2.75	2.65
Minnesota No. 13 Central Strain, Not Certified	.80	2.70	2.60	2.50
Minnesota No. 13 Large Type, Certified	.70	2.45	2.35	2.25
Minnesota No. 13 Large Type, Not Cert.	.80	2.70	2.60	2.50
Minnesota No. 13, Haney's Extra Early Strain Certified	.70	2.45	2.35	2.25
Minnesota No. 13, Haney's Extra Early Strain, Not Certified	.80	2.70	2.60	2.50
Early Murdock Golden Dent, Certified	.70	2.45	2.35	2.25
Early Murdock Golden Dent, Not Cert.	.70	2.45	2.35	2.25
Golden Glow, Wis. No. 12	.70	2.45	2.35	2.25
Golden Glow, Cold Resistant	.70	2.45	2.35	2.25
Minnesota Ideal	.70	2.45	2.35	2.25
Silver King, Wis. No. 7, Certified	.80	2.75	2.65	2.55
Silver King, Wis. No. 7, Not Certified	.75	2.50	2.40	2.30
Rustler White Dent, Certified	.80	2.70	2.60	2.50
Rustler White Dent, Not Certified	.70	2.45	2.35	2.25
Northwestern Dent, Certified	.80	2.70	2.60	2.50
Northwestern Dent, Not Certified	.70	2.45	2.35	2.25

## MINNESOTA GROWN FLINT CORN

	Peck	Bu.	2 1/2 @	10 Bu. @
Canada Smut Nose	\$0.70	\$2.45	\$2.35	\$2.25
King Phillip	.70	2.45	2.35	2.25
Longfellow (Improved Minn.)	.70	2.45	2.35	2.25

## FODDER CORN

	Peck	Bu.	2 1/2 @	10 Bu. @
F. S. & N. Co's. Ideal Silo	.65	2.10	2.00	1.90
Early or Late Yellow Dent Fodder	.50	1.60	1.50	1.40
Yellow Dent, Butts and Tips	.40	1.10	1.00	.90
Early or Late White Dent Fodder	.50	1.60	1.50	1.40
Red Cob Fodder, Southern Grown	.65	2.10	2.00	1.90
Evergreen Sweet Fodder Corn (48 lbs. Bu.)	.80	2.70	2.60	2.50

## SOY BEANS

(Bu. 60 lbs.)	Peck	Bu.	100 lbs.
Prices include sacks			
Illini	\$0.40	\$1.25	\$1.85
Manchu	.40	1.25	1.85
Wisconsin Early Black	.65	2.25	3.65

## MINNESOTA GROWN SEED POTATOES

PRICES SUBJECT TO MARKET CHANGES

Bags free. If wanted in barrels, add 25c per bbl. of 3 bushels.

	Peck	1/2 Bu.	Bu.	5 Bu. @	10 Bu. @
Kremer's Early White Gold	\$0.85	\$1.25	\$2.25	\$2.15	\$2.00
Early Bliss Triumph	.60	.90	1.60	1.55	1.50
Early Ohio	.45	.70	1.20	1.15	1.10
Early Irish Cobbler	.45	.70	1.20	1.15	1.10
Russet Rural	.59	.75	1.25	1.20	1.15
Carman No. 1	.45	.70	1.20	1.15	1.10
Rural New Yorker	.45	.70	1.20	1.15	1.10
Green Mountain, Certified	.50	.75	1.25	1.20	1.15
Faribault Mammoth Prize	.50	.75	1.25	1.20	1.15



# Our 44<sup>th</sup> Year Finds Us Equipped to Give You PROMPT SERVICE



L. P. VASSAR  
SEED ANALYST AND CORN BREEDER



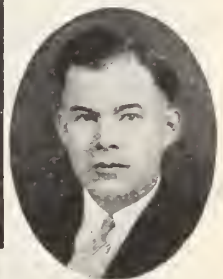
N. C. BIETER  
VICE PRES.  
MGR. FARM SEED DEPT.



E. J. KIEKENAPP  
PRES. AND GEN. MGR.



CHAS. DUFFINA  
SECY.-OFFICE MGR.



GEO. SIEVERS  
MGR. GARDEN AND  
FLOWER SEED DEPT.

*and  
Lowest  
Prices*

*in Years*

January, 1932

### A Personal Message

We are never too busy to give your wants our personal attention. We are here to help you. It is your welfare that counts most with us and unless you are fully satisfied, we do not ask you to keep a single thing you may order. Satisfied customers have built our business on a foundation no depression can shatter. Your orders will always be appreciated.

E. J. Kiekenapp, President.

### ORDERING SIMPLIFIED

USE OUR ORDER SHEET. It will help us and save time in filling your order. Write any instructions on a separate sheet.

KEEP A COPY OF YOUR ORDER. If goods ordered do not reach you in due time, advise us and send a copy of your order. Frequently customers complain of not receiving goods which were not ordered. Write name and address plainly.

SENDING MONEY. Postoffice money orders, bank drafts or express money orders are always safe. Your personal check is also good, though banks charge 10c collection fees which must be added to the check if sent. Stamps up to \$1.00 are acceptable. Don't send checks under \$1.00. Never send cash in a letter unless registered. Doing so will be at your own risk.

OUR TERMS ARE CASH WITH ORDER. If goods are wanted C. O. D., one-third of the amount must be sent with the order. Under no circumstances can we send out C. O. D. shipments of perishable goods, such as Potatoes, Onions, Plants, Bulbs, Nursery Stock, etc., unless one-half the amount due is sent with order.

FREIGHT AND EXPRESS SHIPMENTS. We have excellent shipping facilities. State whether you want freight or express shipment made. Transportation charges are paid by the customers, except on items marked postpaid. If no shipping instructions are given, we will use our best judgment.

POTATOES, ONIONS, BULBS, PLANTS AND NURSERY STOCK are shipped when weather conditions permit, and customers are then notified of shipment.

24-HOUR SERVICE. We strive to fill all orders within 24 hours after receipt, with the exception of items depending upon season or weather conditions.

Please don't send checks under \$1.00—send stamps or cash. Allow 10c exchange on all checks to cover charges by banks. We will include extra seeds to adjust.

### 24-HOUR SERVICE

SAFE DELIVERY ASSURED. Should a shipment reach you in bad condition, notify us at once. Have agent make proper notations on your expense bill. If yours is a prepaid station, full transportation charges must be sent with the order, and shipments travel at purchaser's risk. We are located on the C. M. & St. Paul, C. R. I. & Pacific, C. G. W., and Minneapolis and Southern Railways.

PARCEL POST SHIPMENTS. Packages weighing 70 lbs. can be sent into all zones. Poisons cannot be sent by mail. We prepay postage and express charges on items marked prepaid in the catalog. Orders of ten pounds or more to the 5th zone, or farther, usually travel more cheaply by express than parcel post.

### PARCEL POST RATES.

Zone	Distance up to	For First Pound	Each Pound, Additional
1st and 2nd	150 miles	7c	1c
3rd	150-300 miles	8c	2c
4th	300-600 miles	8c	4c
5th	600-1,000 miles	9c	6c
6th	1,000-1,400 miles	10c	8c
7th	1,400-1,800 miles	12c	10c
8th	over 1,800 miles	13c	12c

In estimating parcel post charges be sure to make allowance for packing. A fraction of a pound takes full pound rate. Faribault is 50 miles south of St. Paul.

OUR RESPONSIBILITY. For 44 years we have given all of our customers a square deal and refer you to any bank in Faribault.

OUR GUARANTEE. We sell dependable, carefully tested seeds only. Should failures result from any fault of the seed, we will refund your money. Seeds, Trees, Bulbs and Plants are subject to climatic conditions over which we have no control, therefore the Farmer Seed & Nursery Co. gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any Seeds, Plants or Bulbs they sell and they will not be responsible for the crop.





F. S. & N. CO'S. TRIAL GARDENS—ON HIGHWAY NO. 1—NORTH OF FARIBAULT.  
All varieties of Vegetables and Flowers are tested here for type and germination.

**MAKE  
YOUR  
GARDEN  
PROVIDE  
Food  
Income  
Employment**

**THIS IS THE "THRIFT GARDEN" YEAR.**

Grow your own vegetables—they taste better—contain more healthful vitamins and reduce living cost. Seed prices are lowest in years, and without sacrificing quality.

Many new originations are offered that cannot be bought elsewhere. What a thrill to grow these yourself, besides enjoying healthful recreation while doing it.

**GET THIS BOOK—"MAKE THE GARDEN PAY"—FREE TO OUR CUSTOMERS.**

Here is a book every gardener should have—tells in a condensed form all you should know in order to get the most out of your garden. Written by experts—contains 80 pages and is fully illustrated. Tells how to plant—what varieties to choose—making hotbeds—grouping vegetables—cultural directions—insect enemies—storing vegetables, etc.

This book free with a \$1.00 order for Vegetable or Flower Seeds—or with a \$2.00 order for Farm Seeds. Be sure to ask for it. If wanted with smaller orders, send 20c to cover part cost.

## ASPARAGUS

One ounce of seed to 50 feet drill; five pounds to the acre.

**CULTURE.** Sow in drills one foot apart, and one inch deep. During the summer keep the soil mellow, thinning plants to 4 inches apart. The following spring transplant them into permanent beds. Leaflet on Asparagus Culture, free upon application.

**5. WASHINGTON ASPARAGUS**—A fine variety, that is uniformly rust resistant and produces large straight shoots. The tips are tight and firm, and do not begin to branch until well out of the ground. It is of rapid growth, a heavy yielder, deep green in color, with heavy overtone. The best of all for market, always bringing the highest price. Seed, price: Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.

**6. ★EARLY GIANT ARGENTEUIL**—Earliest large green sort, of superb flavor. Used extensively by gardeners. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. \$1.00, prepaid.

### ASPARAGUS ROOTS

We recommend the Washington variety as the most profitable and satisfactory. A rapid grower—excellent flavor, tender and rust resistant. Color, dark green and of beautiful appearance when bunched. Our one-year roots are large and vigorous. Price: 25 for 55c, 50 for 90c, 100 for \$1.50, prepaid. See page 27 for Vegetable Roots and Plants.



Washington Asparagus.

## LIMA BEANS

One pound will plant a row 50 feet long.

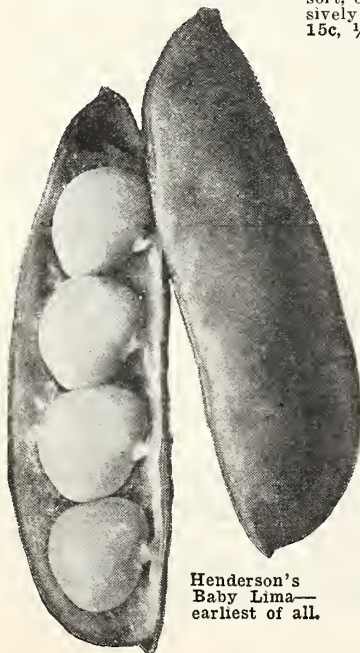
Lima Beans, tender and fresh from the garden, are the most delicious of all beans. The young green Baby Lima Beans are wonderful when canned.

**CULTURE.** Bush Limas should be planted in rows 3 feet apart in rich soil, 6 to 10 inches apart in the row, always setting the seed with the eye down. Plant about 3 inches deep.

**50. FORDHOOK BUSH LIMA**—Plants grow from 15 to 20 inches high, very bushy, and bear abundantly. Pods are produced in clusters of 4 to 8, and are well filled with big plump buttery beans of delicious flavor. Pkt. 8c, ½ lb. 25c, lb. 45c, 2 lbs. 85c, prepaid.—Not prepaid, 5 lbs. \$1.75, 15 lbs. and more at 25c per lb.

**51. BURPEE'S IMPROVED BUSH LIMA**—The plants grow 18 to 20 inches in height, and develop into magnificent bushes from 2 to 3 feet in diameter and are immense yielders. The pods are large and well filled with luscious beans of large size. Pkt. 8c, ½ lb. 25c, lb. 45c, 2 lbs. 85c, prepaid.—Not prepaid, 5 lbs. \$1.75, 15 lbs. and more at 25c per lb.

**52. HENDERSON'S BUSH LIMA**—The earliest Bush Lima, adaptable to all latitudes, and a sure cropper. It resists drought well, and is ready for use in about 60 days. It forms a bush about 18 inches high. The beans are small, flat and tender, and of delicious flavor. Pkt. 8c, ½ lb. 20c, lb. 35c, 2 lbs. 65c, prepaid.—Not prepaid, 5 lbs. \$1.25, 15 lbs. and more at 20c per lb.



Henderson's  
Baby Lima—  
earliest of all.



# BUSH BEANS—Wax Podded

One pound of seed will plant 50 feet of row, 60 lbs. per acre, in drills.

**CULTURE**—Beans should be sown after May 15th, in this section, when the ground is thoroughly warm. Make successive sowings, 2 weeks apart, for a supply of beans all summer. Sow in drills 15 inches apart, 2 inches deep, dropping the beans 3 inches apart in the rows, eyes down and cover. Cultivate often. Anthracnose is the most common bean disease—it resembles rust and may be avoided by using the best seed only and clean soil. Do not walk through or pick beans when wet with dew or rain.

**9. ★ROUND POD BRITTLE WAX**—Exceptional quality, perfectly round pods 5 to 6 inches long. Very vigorous plants—surprisingly productive and entirely stringless. Seeds are almost white with black eye. Makes an excellent winter shell bean, as well as for spring market or canning. Ready for the table in 45 days. 2¼-oz. pkt. 8c, ½ lb. 20c, lb. 35c, 2 lbs. 65c, prepaid.—Not prepaid, 5 lbs. \$1.25, 15 lbs. or more, at 20c per lb.

**10. ★FARIBAULT KIDNEY WAX**—The strong plants are of erect bush habit, reach the height of 18 to 20 inches and are immune to blight and rust. The fleshy pods are flattened in form, from 6 to 7 inches in length, ½ inch broad and of lemon yellow color; they are remarkable for their meatiness, brittleness, absolute freedom from strings or tough fibre and fine table quality. Seed is white, with black eye. 2¼-oz. pkt. 8c, ½ lb. 20c, lb. 35c, 2 lbs. 65c, prepaid.—Not prepaid, 5 lbs. \$1.25, 15 lbs. and over, at 20c. per lb.

**11. PROLIFIC BLACK WAX OR BUTTER BEAN**—This is no doubt the earliest and one of the most productive of all beans, and is rust proof. Vines medium sized, very vigorous and hardy. Pods are medium length, borne well up from the ground, cylindrical, fleshy; of a clear, creamy white color and remain a long time in condition for use as a snap bean. Pkt. 5c, ½ lb. 17c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and over, at 18c per lb.

**12. BLACK PENCIL POD WAX**—The best quality round pod early wax bean. Of bushy growth and extremely productive. Pods are straight, round, 6 to 7 inches long; thick, absolutely stringless, of fine flavor; color medium yellow. The seed is black. High quality sort for the home garden or market gardener. Pkt. 5c, ½ lb. 17c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and over, at 18c per lb.

**13. IMPROVED GOLDEN WAX**—A well known standard variety that is largely planted everywhere. Medium early, of vigorous bushy growth, rust proof. A reliable heavy cropper whether sown in spring, summer or early fall. Pods long, flat, thick and solid; seed is speckled. Pkt. 5c, ½ lb. 17c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and over, at 18c per lb.

**14. DAVIS KIDNEY WAX**—The vine is rustless, very vigorous and productive and bears its pods near the center in clusters. The pods are very long, flat, waxy-white, straight and handsome, and when young are brittle, crisp and tender. Seeds are clear white, excellent for baking and for cooking. Pkt. 5c, ½ lb. 17c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. at 18c per lb.



Faribault Kidney Wax.



Round Pod Brittle Wax.

**15. ★SURE CROP STRINGLESS WAX**—A very fine wax podded bush bean, of remarkable vigor and productiveness, free from blight and rust, and very hardy. The pods are rich golden yellow, perfectly stringless at all stages of growth, very brittle, crisp and tender, and of delicious flavor. Seed is black. Sure Crop Stringless Wax is a fine variety for dry sections. 2¼ oz. pkt. 8c, ½ lb. 20c, lb. 35c, 2 lbs. 65c, prepaid.—Not prepaid, 5 lbs. \$1.25, 15 lbs. and over, at 20c per lb.

**16. ★UNRIVALLED ROUND POD WAX**—The earliest wax podded bean grown. Creamy yellow wax pods, symmetrical in shape, about 6 inches long, are thick and meaty, and wonderfully tender. The plant is strong, dwarf and bushy, with large smooth, lustrous green leaves. The pods are produced well above the ground, thus preventing liability to rust and rot. Both plant and pods are exceptionally free from rust and blight. 2¼ oz. pkt. 8c, ½ lb. 20c, lb. 35c, 2 lbs. 65c, prepaid.—Not prepaid, 5 lbs. \$1.25, 15 lbs. at 20c per lb.

**17. WARDWELL'S KIDNEY WAX**—This variety, maturing a little later than the Golden Wax, yields a large crop of long, flat, nearly straight pods, creamy white in color, which are of good quality and always command a ready sale. Seed is white with dark eye. One of the best and most productive for market gardeners. Pkt. 5c, ½ lb. 17c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and over, at 18c per lb.

**19. EARLY WONDER WAX (Golden Podded)**—Ten days earlier than any other wax bean. It belongs to the flat podded class and grows a strong plant 18 inches high and two feet across. The pods are very large, eight inches in length, entirely stringless, plump and rounded to flat, and almost solid meat, cooking meltingly tender and of superb flavor. Seed is yellow. Pkt. 5c, ½ lb. 17c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. at 18c per lb.



It pays to inoculate Beans— hastens maturity, increases yields and enriches the soil. Garden size Nitragin, for 8 lbs. 25c, prepaid.

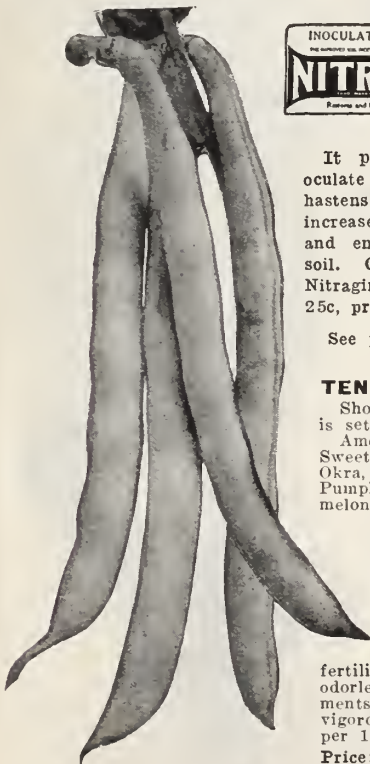
### TENDER VEGETABLES.

Should not be planted until weather is settled and the ground warm. Among these are Beans, Cucumbers, Sweet Corn, Egg Plant, Muskmelon, Okra, Peas (Wrinkled), Pepper, Pumpkin, Squash, Tomato, Watermelon.

### DON'T FAIL TO USE SACCO FERTILIZER.

To develop and reproduce its kind, the best of seeds are useless if the proper soil, moisture and care are not given. These you must supply, and the simplest solution is the use of Sacco—odorless fertilizer. It's perfectly clean and odorless though it contains all elements to promote quick growth and vigorous plants. Use two to four lbs. per 100 square feet.

Price: 10 lb. package Sacco, 80c, 25 lbs. \$1.60, 50 lbs. \$2.80, 100 lbs. \$4.75, f. o. b. Faribault. See page 79.



Sure Crop Stringless Wax.

F. S. & N. Co., Faribault, Minn.  
I have been satisfied with all the seeds I got from you. They seem to do better on our land—they are raised in our own state and acclimated. There sure is a difference.  
Harry Smart, Box 345, East Grand Forks, Minn.



# BUSH BEANS—Green Podded

One pound will plant about 50 hills.

- 23. ★FULL MEASURE—**(Round Pod Stringless). A fine stringless, medium-sized green pod bean of high quality. Pods are straight, about 6 inches long, fleshy, almost round and very tender. A very prolific early sort, producing throughout the season. One of the best green pod bush beans for the home garden. 2¼ oz. pkt. 8c, ½ lb. 20c, 1b. 35c, 2 lbs. 65c, prepaid.—Not prepaid, 5 lbs. \$1.25, 15 lbs. and more at 20c per lb.
- 25. ★BURPEE'S STRINGLESS GREEN POD—**The best all around green bean for the home garden and market. It is early, very prolific and absolutely stringless. The pods are round, deep green in color, straight and broad, with thick meaty flesh that is very tender and of fine flavor. For a succession of crops, plantings should be made at intervals of two weeks until August. Cannors grow this variety almost exclusively, because of its fine quality and dependability. Seed is light brown. 2¼ oz. pkt. 8c, ½ lb. 20c, 1b. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and more at 18c per lb. See color illustration first inside cover page.
- 27. BOUNTIFUL STRINGLESS—**A bountiful yielder, extra early, with large, flat tender pods which are absolutely stringless. An improved Long Green Six Weeks, being earlier, hardier and producing many more, better and larger pods. Valuable for the market and home garden. Light yellow seed. 2¼ oz. pkt. 8c, ½ lb. 17c, 1b. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and more at 18c per lb.
- 30. RED VALENTINE, EXTRA EARLY ROUND POD—**Very hardy and can therefore be sown early; matures quickly, often being ready to pick in 45 days after sowing. Pods are round, long, fleshy, rich green in color, and when gathered young are practically stringless. It is extensively grown by gardeners. Pkt. 5c, ½ lb. 17c, 1b. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and more at 18c per lb.

## THE BEST IN FIELD BEANS

- 40. GREAT NORTHERN—**The most delicious baking bean grown. A wonderful yielder and one of the most profitable beans that can be raised. Great Northern is a much better bean for baking and cooking than any Navy bean, as it cooks in two-thirds of the time, and is of much better flavor. Beans are larger and softer than common Navy beans. If you have once used Great Northern beans you will never go back to the common sorts. Pkt. 5c, ½ lb. 15c, 1b. 25c, 2 lbs. 45c, prepaid.—Not prepaid, 5 lbs. 75c, 15 lbs. at 12c per lb.
- 41. ROBUST NAVY—**Plants are of decidedly robust growth, developing strong roots after setting pods. They are later in forming pods than common Navy beans, but grow more rapidly and ripen quickly. Beans are clear white, a trifle smaller than the Navy bean. This variety is especially suited to heavy soil. Pkt. 5c, ½ lb. 15c, 1b. 20c, 2 lbs. 35c, prepaid.—Not prepaid, 5 lbs. 70c, 15 lbs. and more at 11c per lb. See Blue Figure List for quotations on larger quantities.



Bountiful Stringless.



Great Northern Bean, the most delicious for baking.

Inoculate Beans with Nitragin, clean, easy to use; insures big crops. Garden size, for up to 8 lbs. seed 25c. See page 70.

## POLE OR RUNNER BEANS

Pole beans will bear for a much longer season than bush beans, are more productive and the beans remain tender for a long time. They are of delicious flavor.

**CULTURE.** Plant about the middle of May, or later, in hills 3 feet apart each way, sowing 4 to 6 beans to a hill. Stake with poles 7 feet high, and pinch back plants reaching the tops.

**60. OLD HOMESTEAD OR KENTUCKY WONDER—**The favorite pole bean, very productive and early. Pods are 7 to 9 inches long, fleshy, tender, and stringless when young. Seed is brown. If kept picked, the vines will bear all summer. 2¼ oz. pkt. 8c, ½ lb. 17c, 1b. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and more at 18c per lb.

**61. SCARLET RUNNER—**A shell bean, similar to Limas, that is both useful and ornamental, with bright scarlet flowers, which are followed by long straight pods, that are fleshy and tender when young, and of delicious flavor. A fine sort for covering fences, etc. 2¼ oz. pkt. 8c, ½ lb. 17c, 1b. 30c, 2 lbs. 55c, prepaid.

## LOCKED PLANT BANDS AND PAPER POTS

These are used by progressive gardeners and commercial growers everywhere. Transplant your seedlings to these Locked Plant Bands, and they'll never know they've been disturbed. Fit them into flats until ready to set out, then set the whole band or pot into the ground. Roots are not exposed to air, and there is no setback. Bands make a good guard against cutworms.

**Price of Bands, postpaid:** 2x2x2½ inches, the most popular size, 60c per 100, \$1.25 per 250; 3x3x3 inches, for larger plants, 75c per 100, \$1.50 per 250.

**Paper Pots—**Same as plant bands, with folding bottoms. They can be used as extra deep bands, by leaving the bottom unfolded.

**Price of Paper Pots, postpaid:** 2x2x2½ inches, 75c per 100, \$1.50 per 250. 3x3x3 inches, 85c per 100, \$2.00 per 250.

### CONTROL OF BEAN INSECTS

Destroy Bean Leaf Beetle with Kalite—Non-Arsenical Dust. Beetles eat holes in the leaves, from the under side—the eggs are laid at the base of the plant and the grubs feed on the root and stems below the surface. See page 78 for Kalo Safe Insecticides. Insect control guide book free.



Round Pod Stringless.





# BEETS

Sow 1 oz. to 50 ft. of drill—5 lbs. per acre.

**CULTURE**—The soil for beets should be rather light and well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked; continue for a succession as late as the middle of July; when the plants are large enough, thin out to stand six inches apart in rows.

For the home garden, Early Winesap is the most tender early beet; Detroit Dark Red and Crosby's Egyptian are the best main crop sorts. Swiss Chard provides greens of high quality earlier than any spinach.

**83. ★EXTRA EARLY WINESAP**—This variety is unequalled for family use or for market gardeners. Its remarkable uniform type, its beautiful dark red color, and its tender and delicious flavor, makes Winesap one of the best for all around use. For earliness, good shape, absence of white ring, we consider it one of the best sorts introduced in a long time. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. \$1.00, 2 lbs. for \$1.85, prepaid. See inside back cover for illustration.

**84. EARLY WONDER**—An early variety, which matures very rapidly and is fine for the home garden, market or canning. The beets are nearly globe-shaped, with small tops and a small tap root. The flesh is dark red in color, and of superior quality. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, 2 lbs. for \$1.75, prepaid.

**86. CROSBY'S IMPROVED EGYPTIAN**—This variety is sown where an extra early beet is wanted for forcing in frames, as well as for first sowing outside. Ready for use sooner than any other kind. The roots are of even shape; the flesh is bright red with zones of a darker shade; fine quality; sweet and tender. A standard market gardener's variety, it is excellent for bunching. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, 2 lbs. for \$1.75, prepaid.

## ROTATING GARDEN CROPS

Crop rotation prevents and checks plant diseases, such as wilt, rot, mildew, and smut, which breed in the soil and live from year to year. Do not grow the same kind of crop on the same soil two years in succession. Clean the ground well. Burn all brush, weeds, and infected plants. Plow or spade the soil deeply, preferably in fall. Apply lime if the soil is acid.

Peas and beans, being legumes, benefit the soil and succeeding crops.

F. S. & N. Co.

We don't need to read any testimonials about your seeds for we know they are good. We have used them before.

Albert E. Pattee,  
Grand Rapids, Minn.



Detroit Dark Red.

The Market Gardener's Favorite.

**85. ★DETROIT DARK RED**—This is the standard deep red turnip beet, grown everywhere not only by market gardeners and canners, but also by home gardeners. It matures early, and on account of the small tops, the rows may be platted close together. Leaf stems and veins are dark red, blade is green; the root is globular and very smooth; color dark red. The flesh is deep vermilion red, zoned with darker red, very crisp, tender and sweet. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, 2 lbs. for \$1.75, prepaid.

**89. EARLY BLOOD TURNIP**—Perfectly smooth and round; skin and flesh intense red. This variety is one of the first to be ready for the table. It does not grow to large size, but is desirable for its earliness and sweet, tender quality. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, 2 lbs. for \$1.45, prepaid.

## SPINACH BEET OR SWISS CHARD

Swiss Chard produces more food than any other vegetable, in proportion to the space required. The leaves are used for greens, and are of much milder flavor, and more delicate texture, than spinach. It will produce a constant crop from early summer until winter. The leaves grow very large, with broad flat stems, which may be cooked like asparagus.

**98. ★LUCULLUS**—A new moss curled sort, with enormous leaves of tender quality and good flavor. Better in flavor than spinach, and much easier to prepare on account of its heavy foliage. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, 2 lbs. for \$1.75, prepaid.

## MANGELS AND SUGAR BEETS

An ounce will sow 100 feet of drill, 5 lbs. will sow an acre.

Mangels are of high feeding value for all livestock. They keep hens healthy, and stimulate egg production. Feed at the rate of 25 lbs. to 100 hens per day, with grain or dry roughage.

**CULTURE**—Sow at corn planting time—in drills 2 to 2½ feet apart, on rich moist land, the seed should be planted an inch deep; on dry and sandy soil, it must be planted 1¼ to 1½ inches deep. Thin out the roots to stand 8 inches apart in the rows.

**105. MINNESOTA GOLDEN TANKARD**—The best yellow mangel in cultivation. Flesh is firm, solid, rich golden yellow in color, and contains more sugar than the red mangels. Roots are of cylindrical shape, with small necks, and are easy to harvest.

**106. MAMMOTH LONG RED**—This is considered the best long red mangel, and is of massive size and shape, fine texture and high feeding value. The roots grow well above the ground and are easily harvested. An enormous yield, best adapted for deep soil.

**107. GIANT RED ECKENDORF**—Roots are smooth, of cylindrical shape, weighing 15 to 20 lbs. each. Flesh is white and firm, with large amount of nutritive value.

**108. GIANT SLUDSTRUP**—Roots are long, reddish yellow in color, growing more than half above the ground. This variety is considered the best by Danish growers, surpassing all others in feeding value, yield, and weight.

**117. GIANT HALF SUGAR**—Roots grow partly out of the ground and are easily harvested; they are large, firm, smooth, clean, and of oval shape. Skin is light bronze green above and white below the ground; flesh is white, crisp and sweet. Highest in sugar content.

**115. KLEIN WANZLEBEN SUGAR**—The best and most widely grown of any sugar beet. Produces 14 to 18 tons per acre, and is very rich in sugar content.

Prices on all Mangels: Oz. 8c, ¼ lb. 20c, lb. 55c, prepaid.—Not prepaid, 5 lbs. at 45c per lb., 10 lbs. at 40c per lb. For prices on larger quantities, write for our Market Gardeners' Price List.



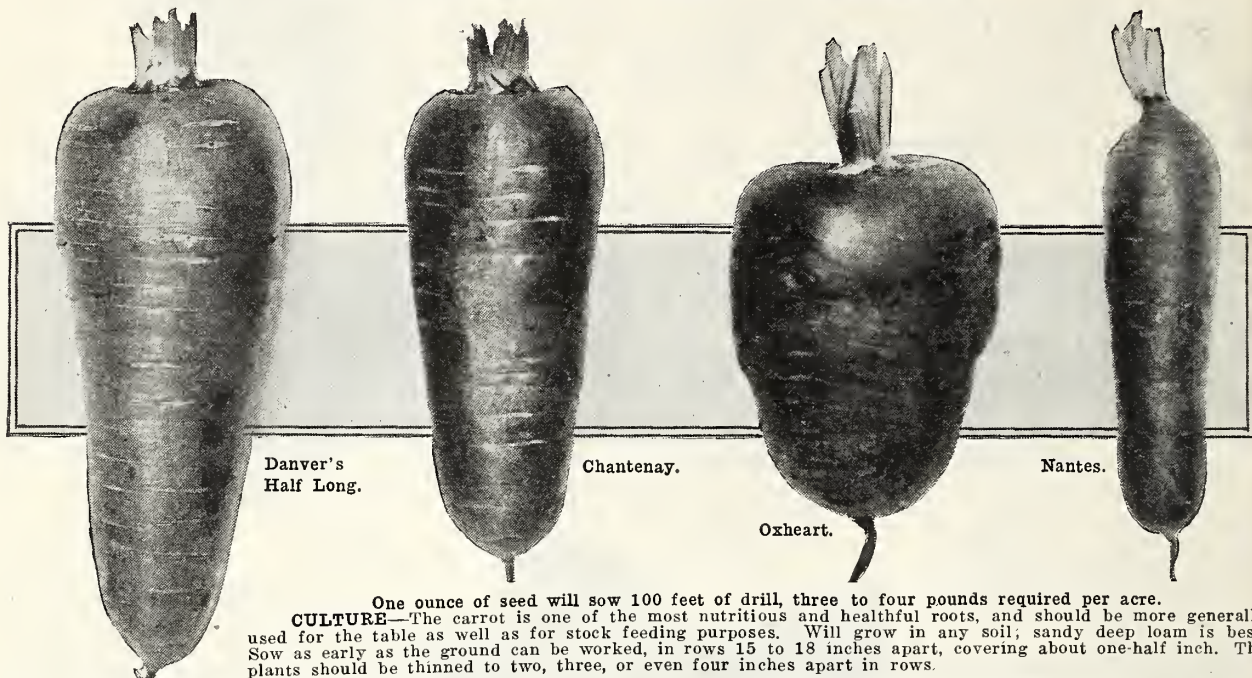
Swiss Chard. One of the most healthful greens—rich in vitamins.



Mammoth Long Red Mangel.



## CARROTS—Table Varieties



Danver's  
Half Long.

Chantenay.

Oxheart.

Nantes.

One ounce of seed will sow 100 feet of drill, three to four pounds required per acre.

**CULTURE**—The carrot is one of the most nutritious and healthful roots, and should be more generally used for the table as well as for stock feeding purposes. Will grow in any soil; sandy deep loam is best. Sow as early as the ground can be worked, in rows 15 to 18 inches apart, covering about one-half inch. The plants should be thinned to two, three, or even four inches apart in rows.

**170. F. S. & N. CO'S SUPERIOR MARKET**—The roots grow about 6 inches long, broad at the top, and narrow slightly to a blunt end. They are bright orange in color, and of tender quality, being practically coreless. This variety is ready for use 65 days from the date of sowing. One of the best for home gardens. Pkt. 8c, oz. 15c, ¼ lb. 35c, lb. \$1.10, prepaid.

**171. DANVER'S HALF LONG**—This is considered the best variety for general crop; it is a first class carrot for any kind of soil. Roots are of rich dark orange color, grow to a good large size, tapering uniformly to a blunt point, and are smooth and handsome. Easily harvested and a good keeper. This carrot is excellent for table use, and is also grown for feeding purposes. Pkt. 5c, oz. 15c, ¼ lb. 25c, lb. 90c, prepaid.

**172. NANTES CORELESS HALF LONG**—One of the best carrots ever offered. Flesh is deep orange, very sweet and tender, and almost entirely coreless. Roots grow about 6 inches long, cylindrical and smooth, and are always of the finest quality. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.

**173. EARLIEST FRENCH FORCING**—The earliest small round variety, very much used for early forcing, color reddish orange; it bunches very nicely and is used largely for market as well as for the kitchen garden. Of very tender quality, without core. Pkt. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.00, prepaid.

**177. RED CORED CHANTENAY**—A new strain of Chantenay—medium early, half long and very prolific. The flesh is crisp and sweet and a reddish core is its distinguishing feature. A favorite with gardeners. Average length 5-6 inches. Pkt. 10c, oz. 15c, ¼ lb. 45c, lb. \$1.50, prepaid.

See inside front cover.



Superior Market.

**174. ★GUERANDE OR OXHEART**—Tops small for the size of the roots, which are comparatively short, terminating abruptly in a small tap root. Flesh bright orange, fine grained and sweet. Especially desirable for soil too hard and stiff for longer rooted sorts. The roots are excellent for table use, and when mature are equally good for feeding stock. Pkt. 5c, oz. 15c, ¼ lb. 25c, lb. 90c, prepaid.

**175. SELECTED CHANTENAY**—An early main crop carrot and a first class table variety that can be used 60 days after sowing. Stump rooted, about five to six inches long, and broad-shouldered. The flesh is of rich orange color, and of the finest quality; is medium early, with small tops. Pkt. 5c, oz. 15c, ¼ lb. 25c, lb. 90c, prepaid.

**176. EARLY SCARLET HORN**—(Stump rooted.) Popular for forcing and early garden use. Roots are of medium size; flesh deep orange, fine grained; of agreeable sweet flavor; small top. Fine for bunching for the market. Pkt. 5c, oz. 15c, ¼ lb. 25c, lb. 90c, prepaid.

**178. IMPROVED LONG ORANGE**—(Point rooted.) The standard late variety and an excellent keeper, also profitable for feeding livestock; very handsome and uniform in shape; deep orange color, good flavor; yields very heavily. Requires a deep soil; plants should stand 8 inches apart in 18 inch drills for roots to attain full size. Pkt. 5c, oz. 15c, ¼ lb. 25c, lb. 90c, prepaid.

### FIELD OR STOCK CARROTS

Carrots are of great feeding value for all livestock, and for poultry. They act as a tonic and help keep the digestive organs in healthy condition. If cattle are fed with carrots regularly, not only will there be steady gain in weight, but the flow of milk is greatly increased and enriched. Carrots are especially good for horses, and may be fed with oats. Roots should be chopped and fed with fodder.

**185. VICTORIA**—The largest and heaviest cropping yellow carrot in cultivation. The roots are very symmetrical, and of excellent quality, possessing high feeding properties. This carrot is especially adapted for rich land, although a heavy cropper on all soils. It is easily harvested, as the roots grow largely above the ground. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 70c, prepaid.—Not prepaid, 5 lbs. \$2.75.

**186. MASTODON**—The roots are half long, smooth, very heavy at the shoulder but tapering regularly to a point; color, light green at the crown, white below; flesh white, solid crisp, and of excellent quality. A heavy yielding, easily harvested, white carrot, that is the best of this class. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 70c, prepaid.—Not prepaid, 5 lbs. \$2.75.

### CORN SALAD

**291. LARGE LEAVED**—Hardy plants for fall, winter, and spring use. Large heads of tender, edible leaves, that can be used like lettuce in salads, or cooked like spinach. Ready for use in 4 to 6 weeks. Pkt. 8c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

### CRESS OR PEPPER GRASS

**295. FINE CURLED**—Crisp pungent leaves, finely cut and curled, dwarf and compact. Used mostly for garnishing and as a condiment. Pkt. 8c, oz. 15c, ¼ lb. 45c, prepaid.

F. S. & N. Co., Faribault, Minn.

I am herewith sending my order for garden seeds. I can always depend on the seeds from you—in fact, the only time I make a success of gardening is when I use your seeds.

Joe G. Brustad, Ottertail Co., Minn.



# CAULIFLOWER

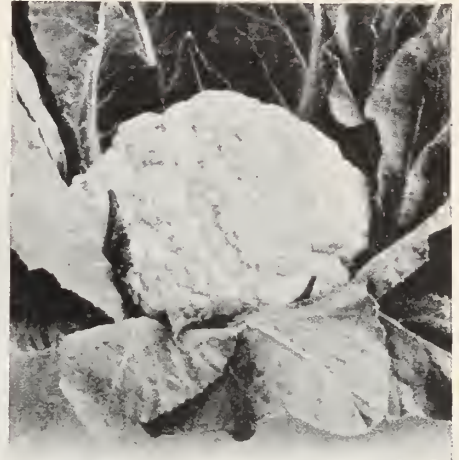
One ounce of seed will furnish 1,000 to 1,500 plants.

**CULTURE**—Sow the seed in flats or hotbeds, in a rich soil composed of equal parts of garden soil, leaf mould, and sand. Seed may be started in February or March. Transplant to other flats, or to paper pots, when the plants are 2 or 3 inches high. Set outdoors as soon as weather permits, 2 to 3 feet apart each way. The soil should be very rich, containing plenty of humus matter and moisture. While the heads are forming, water freely, and apply liquid manure or light dressing of nitrate of soda and potash. When the heads have formed and are hard, tie up the outer leaves to blanch the heads. Cauliflower needs cool, rather damp weather and will not form good heads in a dry, hot season or in dry sections.

**166. SUPER SNOWBALL CAULIFLOWER**—The very newest and finest strain of Danish grown Cauliflower. A vigorous and quick grower, maturing in 110 to 120 days. The heads have unusual depth—are solid, finely grained and pure white in color. They will mature with great evenness, and on the market the fine texture of the heads and compact form makes Super Snowball sell on sight. We stake our reputation on this strain. No finer quality can be produced, regardless of price paid. Pkt. 20c, ¼ oz. 75c, ½ oz. \$1.25, oz. \$2.25, ¼ lb. \$8.15, prepaid.

**160. EARLY SNOWBALL**—Early Snowball is dwarf and compact in growth, very uniform, and under reasonably favorable conditions, every plant will form a large solid head, 8 to 10 inches across, with very close snow-white curds of finest quality. The heads are deep and nearly globe shaped, short stemmed, with heavy pointed leaves folding inward to protect and blanch them. Although this is an extra early sort, it can also be planted to advantage for late fall and winter use. Pkt. 15c, ¼ oz. 60c, ½ oz. \$1.00, oz. \$1.75, ¼ lb. \$6.25, prepaid.

**161. SELF PROTECTING DANISH PERFECTION**—A new variety, of the Dwarf Erfurt type, being an improved strain. This is not quite as early as the Early Snowball, but the heads are better protected by leaves, and are very firm, solid and heavy, pure white with no protruding leaves. The extra protection from the large leaves does away, to a large extent, with the necessity of tying up the leaves to blanch the heads. Pkt. 15c, ¼ oz. 60c, ½ oz. \$1.00, oz. \$1.75, ¼ lb. \$6.25, prepaid.



Early Snowball Cauliflower.

**165. ★ DRY WEATHER OR DANISH GIANT**—This variety is of vigorous and dwarf growth, and produces stone-hard and snow-white heads, unsurpassed in quality. The foliage is very heavy, fully protecting the heads, which are less liable to blight in hot weather than those of the earlier sorts. Dry Weather Cauliflower requires less moisture than other varieties, and is especially adapted for growing in dry localities, where it will produce good sized heads under unfavorable conditions. Pkt. 10c, ¼ oz. 50c, ½ oz. 90c, oz. \$1.65, ¼ lb. \$6.00, prepaid.

An ounce of Celery seed will produce 2,500 to 3,000 plants.  
A pound of seed will produce enough plants for one acre.

For Celery Plants—see page 27.



Golden Self Blanching Celery.



Italian Green Sprouting Broccoli.

# BROCCOLI

Broccoli is quite distinct in flavor from Cauliflower. Its chief advantage is in its extreme hardness. Sow the seed outdoors, as soon as the ground can be worked. For the fall crop, sow about June first, thin out the plants to stand 3 or 4 inches apart, then transplant in rows. Tie leaves up over the heads as soon as heads begin to form.

**80. ITALIAN GREEN SPROUTING**—A novelty of the Cauliflower family which, after the first head has been harvested, produces branching sprouts on which are small, loose heads 2 inches in diameter. They are cooked like Cauliflower—have a delicate flavor and are most delicious. Pkt. 10c, oz. 85c, ¼ lb. \$2.50.

**81. ★ LARGE WHITE**—Improved strain, finest quality. Is in every way equal to choicest strains of Cauliflower. Pkt. 8c, oz. 50c, ¼ lb. \$1.75, prepaid.

For Insecticides to Control Worms—See Page 78.

# CELERY

**CULTURE**—Sow the seed in flats, during February or March. Celery seed germinates slowly and the surface of the soil must be kept constantly moist. Cover the seed very lightly, with fine sand rather than with soil, to prevent a hard surface. When plants are 2 or 3 inches high, transplant them to other flats. In May, set them out in rows 3 feet apart, 6 inches apart in the rows. To blanch celery, hill up the stalks with earth, but do not let any dirt fall into the hearts of the plants, and do not work at it while wet. Celery may also be banked with boards pushed close to both sides of the rows. For winter use, store in a cool cellar.

**195. ★ SELECT FRENCH GOLDEN SELF BLANCHING**—This is the best Celery for early table use, and is the most popular grown for the market. The plants grow to medium size, and are stocky and compact. The heart is rich golden yellow, with light yellowish green outer stalks and leaves. Stalks are broad and heavy, but remarkably crisp and tender, entirely free from stringiness, and of fine flavor. As its name indicates, this celery is self blanching, and needs but little care in the way of bleaching. Pkt. 10c, oz. 35c, ¼ lb. \$1.25, lb. \$4.75, prepaid.

**196. ★ WHITE PLUME**—An extra choice early variety, suitable also for fall and early winter use. Plants grow rapidly and blanch naturally, both stalks and leaves turning white. They require very little banking up in order to blanch the stalks thoroughly. Stalks are slender, crisp and brittle, and of excellent flavor. White Plume is one of the best for the home garden and early table use, but cannot be kept through the winter. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.50, prepaid.

**197. AMERICAN GOLDEN SELF BLANCHING**—The seed of this strain is American grown, from the best selected French stock, and is the finest obtainable in this country. The plants are compact and stocky, with yellowish green leaves, and grow to a medium size. Stalks are broad, solid and of delicious flavor. Its rich, golden yellow color makes this Celery a favorite on the market. Pkt. 8c, oz. 30c, ¼ lb. \$1.00, lb. \$3.75, prepaid.

**199. GOLDEN PLUME**—This is a selection from the Golden Self Blanching. The plants are more vigorous in growth, and stand the heat and blight better than the Self Blanching does. The stalks are quite short, very brittle and tender and of highest quality. They are a beautiful golden yellow, with a tuft of foliage in the middle. This is one of the finest varieties in cultivation. Pkt. 10c, ½ oz. 35c, oz. 60c, ¼ lb. \$2.00, prepaid.

**201. CELERY SEED FOR FLAVORING**—This is used in place of celery stalks, for flavoring soups, pickles, etc. Oz. 10c, ¼ lb. 20c, lb. 50c, prepaid.



# CABBAGE

One ounce of seed will produce about 1,500 plants. 1/4 lb. of seed for an acre.

The best way to start cabbage, especially the early sorts, is in hotbeds, flats, or in a greenhouse. Sow the seed 3/4 inch deep, in carefully prepared rich garden soil. Seed usually germinates in 5 to 10 days. When ready to transplant, set into paper pots or plant bands, in flats, until time to set outdoors. The plants can then be set out without disturbing the roots, and the paper bands form the best protection against cutworms. Set in rows 2 feet apart, 20 inches apart in the rows.

Late cabbage may be sown in the open, in rows, and transplanted when 4 to 6 inches high.

To prevent maggots at the root, in the small garden, put a circular piece of building paper around each plant. The fly cannot then deposit eggs close to the stems of the plants. A spray of carbolic acid solution, 1 to 30, once a week for several weeks after the plants are set out, helps to prevent maggots.

Cabbage worms may be controlled with Evergreen, Garden Guard, Nok-Em-Kold. See page 78 for insecticides.

Most cabbage diseases, club root, black rot, etc., are caused by growing cabbage in infected soil. Crop rotation and liming the soil, are the best preventives. The soil can be sterilized, and a certain immunity to disease established, by treating both seed and soil, especially when large quantities are sown, with Semesan. This cannot injure the seed, and will increase the yield enormously. Simply put the seed into a Mason jar, add a small quantity of Semesan (1 teaspoonful to a quart of seed) and shake for 3 minutes. Plant at once or store until needed. Semesan will be found listed on page 79.

## EARLY VARIETIES

**133. EXTRA EARLY GOLDEN ACRE**—This is just what the name implies—a real profit maker. It is an extra early forcing strain, has the round, hard head of the Copenhagen Market, yet seven to eight days earlier and the ideal cabbage for early market. Texture is very fine and quality excellent. Heads average 9 inches in diameter, grow close to the ground and ripen uniformly.

Because of its uniform size and habit of growth, Golden Acre can be planted more closely than most cabbages, and is therefore more economical to grow. It will stand in the field for a month or more without bursting, and can be shipped long distances without showing signs of wilting. Pkt. 10c, oz. 35c, 1/4 lb. \$1.25, lb. \$4.50, prepaid.

## 120. MINNESOTA'S EARLIEST

The earliest of the early cabbages, and an extra select strain of the Jersey Wakefield type. It produces pointed heads of good size and fine quality, very hard and firm, just a week ahead of the Jersey Wakefield. This is an excellent variety to grow in the home garden for summer use, and most profitable for the market. It is especially suitable for growing in the North, where the seasons are too short to mature other varieties. Pkt. 8c, oz. 25c, 1/4 lb. 75c, lb. \$2.75, prepaid.

## 121. EARLY JERSEY WAKEFIELD

The best first early, oblong sort. Heads are conical, very hard and solid, and of excellent quality. Most gardeners depend upon it for the bulk of their extra early crop, and its hardiness to resist cold and other unfavorable conditions insures the most satisfactory results. Selected seed. Pkt. 5c, oz. 20c, 1/4 lb. 70c, lb. \$2.50, prepaid.

Minnesota's Earliest.



**133. EARLY DWARF FLAT DUTCH**—An excellent second early variety, producing fine, large heads. Highly valued for its good quality and ability to resist heat. Head solid, tender, and fine grained. Grows compact and upright with few leaves. A dependable header and good keeper. Pkt. 5c, oz. 20c, 1/4 lb. 60c, lb. \$2.25, prepaid.

For Cabbage Plants, see page 27.

Large cabbage growers write for our Market Gardeners' Price List.

## 136. EARLY COPENHAGEN MARKET

A splendid variety, especially popular with market gardeners. It is the finest large, round-headed early cabbage in cultivation. Its most desirable characteristic is that all heads mature at the same time, enabling the grower to harvest the entire crop at the first cutting. The quality is especially fine and sweet. It matures as early as Wakefield, and yields more to the acre, in weight. Liberal pkt. 8c, oz. 25c, 1/4 lb. 80c, lb. \$3.00, prepaid.

## USE "KALITE" FOR CONTROLLING CABBAGE WORMS.

It is safe to use, as it contains no arsenic, lead or copper. Comes ready mixed in correct proportions to dust on as required. Will control Mexican Bean Beetle, Cabbage Worms, Cucumber Beetle, Squash Lady Beetle, Currant Worms and most leaf-eating Caterpillars. Average requirements 10 to 20 lbs. per acre. See page 78.

**126. GLORY OF ENKHOUSEN**—A very early cabbage, producing large ball-shaped heads, double the size of the Jersey Wakefield, which are extremely solid, fine ribbed, exceedingly tender and of the finest flavor. It keeps in fine condition for a long time. The plants are very dwarf and compact, allowing close planting. Pkt. 5c, oz. 20c, 1/4 lb. 60c, lb. \$2.25, prepaid.

## "YELLOWS" RESISTANT CABBAGE

**137. WISCONSIN "ALL SEASONS"**—A selected strain of All Seasons that has been bred up to resist "yellows," a disease that ravaged the cabbage crops in Wisconsin. Large crops are now being produced from this seed, on yellows infected soil, where formerly all cabbage failed. No claim is made of freedom from club root, stem rot, or black rot. For those diseases, the seed should be treated with Semesan. This is the best kraut cabbage, producing large heads, nearly round, solid, and of fine texture. The leaves are small ribbed. It is wilt resistant, sure to head, and withstands hot, dry weather exceptionally well. Pkt. 10c, oz. 40c, 1/4 lb. \$1.35, lb. \$5.00, prepaid.

**134. HOLLANDER, WISCONSIN NO. 8 YELLOWS RESISTANT**—This variety was bred up from the Danish Ballhead type and re-selected for a number of years for resistance to cabbage yellows. It is a heavy yielding, late storage cabbage. Round head, medium stem and highly resistant to yellows. The quality is excellent—a wonderful kraut variety. If your soil is subject to diseases, do not fail to secure this yellows-resistant strain. Pkt. 10c, oz. 40c, 1/4 lb. \$1.35, lb. \$5.00, prepaid.

## FROSTPROOF CABBAGE PLANTS

Extra hardy, Southern field grown during the winter. Can be set out 3 or 4 weeks ahead of home grown plants.

Early Jersey Wakefield .....	}	50c per 100,
Flat Dutch .....		\$1.00 per 200,
Copenhagen Market .....		\$3.00 per 1,000,
All Postpaid.		



Golden Acre.



Glory of Enkhausen.



# CABBAGE

## LATE VARIETIES

**140. \*DANISH BALLHEAD, TRUE HOLLANDER OR AMAGER**—Medium stem—Danish grown, and a great favorite with all who have grown it. The heads, which are round, very solid and compact, are of medium size, averaging about 8 lbs.; in color they are entirely distinct, being a fine white; they never burst and keep as solid and perfect when taken up in the spring as when put away in the fall. This cabbage is of the finest quality, crisp, tender and sweet in flavor. It grows well on almost all soils and under most conditions, withstanding cold, dry and hot weather. It is without question the most popular winter cabbage and is grown extensively in the cabbage sections of the Northwest. Pkt. 8c, oz. 25c, ¼ lb. 75c, lb. \$2.75, prepaid.

**141. DANISH ROUNDHEAD**—An earlier short stemmed strain of the famous Danish Ballhead. In this strain we have very large, solid heads on short stems, having the same keeping quality as the original strain of Danish Ballhead. It is 10 days to two weeks earlier and produces as large a yield as any of the Danish cabbages. Especially valuable for high, dry land, producing good sized heads. For shipping in the late fall or winter there is no finer cabbage than this strain. Pkt. 8c, oz. 25c, ¼ lb. 70c, lb. \$2.65, prepaid.

For Cabbage and Cauliflower Plants, Chive Plants, Celery and Tomato Plants, Onion Plants, etc., see page 27.

### SAVOY CABBAGE

Savoy Cabbage differs from other cabbage both in appearance and flavor. The leaves are deep green, much crumpled and wrinkled, and very tender. The flavor is rich and delicious, much milder, with less of the "cabbage" taste than the common sorts. Savoy is the best cabbage for cooking.

**156. LATE DRUMHEAD SAVOY**—Quality and flavor of this Savoy Cabbage the best ever, especially when allowed to be touched by frost. It is sweet, delicate, with a rich delicious flavor. Pkt. 8c, oz. 25c, ¼ lb. 75c, lb. \$2.75, prepaid.

### CELERY CABBAGE CHINESE PE-TSAI

**158.** A delicious salad vegetable of the finest quality. It resembles Cos lettuce, the heads being long and narrow, with tightly folded crisp white leaves, as tender as those of head lettuce. The flavor is that of a very mild cabbage, blended with celery. Do not sow until June or July to avoid flowering.

It makes a delicious salad, sliced and served with French dressing. Boiled like cabbage, Celery Cabbage is especially fine, as it is without the offensive odor and strong flavor common to cabbage. Pkt. 8c, oz. 25c, ¼ lb. 75c, lb. \$2.75, prepaid.

**159. CHINESE CELERY CABBAGE (FOR POULTRY)**

A new cheap green feed of great value for poultry, more productive than lettuce, spinach or mangels.

Sow the seed in rows ½ inch deep and 24 inches apart, using 3 lbs. seed per acre. An ounce of seed will provide green feed for 100 hens for 4 months. Commence feeding Chinese Cabbage when plants are 4 inches high, pulling out every other plant. Plants form heads of 5 to 7 lbs. in 2 months, which can be stored until wanted. The greens need not be chopped for young chickens. Pkt. 5c, oz. 25c, ¼ lb. 65c, lb. \$2.30, prepaid.

For many years we have specialized in the finest strains of Cabbage, Onion, Celery and Cauliflower, to supply the most critical market growers' trade. The uniform quality of Sure Crop seeds brings these same growers back to us from year to year. In nothing else does quality count as much as in seeds, for as you sow, so shall you reap.



Chinese Celery Cabbage.

Danish Ballhead Cabbage.  
The True Hollander or Amager.



MARKET GROWERS  
Ask for Special Wholesale Prices.

**144. \*PREMIUM LATE FLAT DUTCH**—A very fine strain of Late Flat Dutch which we can recommend as a sure heading variety, producing very large, solid heads, weighing 15 to 20 pounds each, of dark green color and excellent flavor; it is a good keeper. One of the best fall shipping cabbages, and unsurpassed for table use. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.



Premium Late Flat Dutch.

### RED CABBAGE

**151. \*F. S. & N. CO'S DANISH STONEHEAD**—One of the best strains ever introduced. The plants are strong and compact in growth, producing dark red, round, solid heads of large size, equally as hard and handsome in appearance as our famous Danish Ballhead. A valuable sort for market or pickling. Pkt. 8c, oz. 25c, ¼ lb. 75c, lb. \$2.75, prepaid.

**152. ERFURT EXTRA EARLY**—This is the earliest of all red cabbages. The heads are not very large, but of excellent quality, very hard and keep well; the color is blood-red. Pkt. 8c, oz. 20c, ¼ lb. 70c, lb. \$2.50, prepaid.

F. S. & Ny. Co. Jan. 2, 1931.  
Hope you have plenty of good seeds for me this coming year, good as you furnished me last year. I am an early plant grower and I am asking for a catalog soon.  
I am well pleased with my seeds that I got last year from you.  
—Chas. Barber, Falmouth, Ind., Box 104.

### CHICORY

**285. LARGE ROOTED**—Grown for the roots which are taken up and dried, and when required for use, are roasted and ground like coffee. In spring the leaves make a good salad, and are used extensively for this purpose. Pkt. 8c, oz. 15c, ¼ lb. 50c, prepaid.

**286. \*WITLOF-CHICORY OR FRENCH ENDIVE**—A famous winter salad. The seed is sown in spring and the parsnip-like roots stored in a cool room until wanted for growing in winter. Allow the plants to grow until November, then take up roots and trim off all leaves to about 1½ inches from the neck; cut off lower end of root so the whole plant will be not more than 10 inches long. When wanted for use, plant in a trench 16 inches deep, in warm cellar, so roots are covered by 8 inches of soil. In a month the head will be ready for use. The blanched head is the edible portion and is eaten as a salad, with French dressing, or cooked like ordinary endive or celery. Pkt. 8c, oz. 15c, ¼ lb. 50c, prepaid.

### CELERIAC—TURNIP ROOTED CELERY

This popular vegetable is worthy of more extensive cultivation. The roots, which are used in salads or boiled like parsnips or turnips, have a celery flavor that is particularly pleasant to those who like celery. The roots keep well all winter. Celeriac may be cooked, and served with cream sauce, or used as a salad.

**205. LARGE ERFURT**—Roots large, smooth, turnip-shaped, excellent flavor. Pkt. 8c, oz. 25c, ¼ lb. 75c, lb. \$2.75, prepaid.



## CUCUMBERS

An ounce of seed will plant 50 hills; three pounds will plant one acre.

Davis Perfect, The Gardener's Favorite.



**CULTURE**—Cucumbers require rich soil. Plant the seed in low, flat hills, 5 to 6 feet apart each way, allowing 12 to 15 seeds per hill. Cover with three-fourths of an inch of finely pulverized soil. Thin out all but 4 or 5 of the strongest vines to a hill.

## PICKLING CUCUMBERS

**255. ★F. S. & N. CO'S EARLIEST PICKLING**—This variety is the earliest and best strain of all pickling cucumbers. The vines are of vigorous growth and hardier than other varieties, therefore permitting early planting. The fruits are of medium size, slim in shape, of superior quality. More prolific than any other cucumber we have ever tried. Pkt. 8c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

**257. CHICAGO OR WESTERFIELD PICKLING**—Fruits of medium length, somewhat thicker than the Boston and deep green in color, with large, prominent spines; extremely prolific. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, prepaid.

**258. BOSTON OR GREEN PROLIFIC**—A distinct and very productive variety. Fruits bright green, medium sized, slender, smooth, symmetrical, crisp and tender. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, prepaid.

**259. EARLY GREEN CLUSTER**—Fruits of the slim form, desirable for small pickles; is very prolific, frequently setting fruits in clusters of 2 and 3. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, prepaid.

**260. ★IMPROVED LONG GREEN**—One of the best for slicing and pickles. Vines are very vigorous and productive, and the fruits about 12 inches long, are formed almost as early as those of the short sorts. Pkt. 8c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

**261. NEW EVERBEARING**—Very early, enormously productive, and valuable as a great pickler. The peculiar merit of this variety is that the vines continue to produce fruit until killed by frost, whether the ripe cucumbers are picked off or not. The fruit is of medium size, perfect in shape, of a fine green color. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, prepaid.

## WHITE SPINE VARIETIES

**268. EARLY FORCING**—This is an ideal variety for forcing, as well as for the garden. Grows 10 to 16 inches long, is very uniform in shape and size, and an excellent keeper. The flesh is firm and crisp, and the skin an attractive dark green, retaining its color until ripe. Pkt. 8c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

**278. ★WHITE WONDER**—This is a beautiful snow white, not changing color even when fruits are matured. It grows to good size, about 8 to 10 inches long, and is very uniform. The flavor is excellent, and the flesh is firm and crisp, fine sliced and in salads. Pkt. 8c, oz. 15c, ¼ lb. 35c, lb. \$1.10, prepaid.

**267. IMPROVED EXTRA EARLY AR-LINGTON WHITE SPINE**—A most profitable cucumber for market gardeners, and equally desirable as a family garden sort. The cucumbers are very straight, symmetrical and of deep green color throughout their entire length, never turning yellow. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c, prepaid.

**271. EXTRA LONG OR EVERGREEN WHITE SPINE**—Unexcelled in table quality. The flavor is unsurpassed and meat is white, firm and crisp. Vines of vigorous growth with large, heavy foliage, thus resisting attacks of insects, etc. Color is a rich dark green, size 10 to 12 inches in length, always straight and never turn yellow. Ready for the market in 70 days. Pkt. 8c, oz. 15c, ¼ lb. 35c, lb. \$1.10, prepaid.

**272. THE "VAUGHAN"**—Gardeners say this new cucumber will displace all other long white spine varieties. Its uniform, long slender shape—its dark green color and excellent table quality make it the outstanding variety. Very prolific—fine for forcing. See back inside cover. Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. \$3.00, prepaid.

**269. ★STAYSGREEN**—A new white spine variety, and the earliest table or market cucumber. It is ready for use in 52 days, and is one of the most profitable market sorts, an enormous yielder and an excellent shipper. The cucumbers are of fine quality, crisp and tender, of medium size, about 6 inches long, and deep green in color. Pkt. 8c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

**270. ★DAVIS' PERFECT**—One of the very best sorts, both for market and for the home garden. It has fine length, slimness, beautiful dark green color, transparent light flesh, with deliciously cool refreshing flavor, and is always crisp and tender. Fruits are 8 to 10 inches long, tapering at both ends, solid flesh with few seeds. They are ready for the market in 65 days. Pkt. 8c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

**1403. GOURDS**—Rapid growing annual climbers, belonging to the family of melons and cucumbers. The foliage is luxuriant and the fruits are oddly shaped and marked. Interesting for children's gardens. Mixed varieties, pkt. 5c, oz. 20c, prepaid.



F. S. & N. Co's Earliest Pickling.



# LETTUCE

An ounce of seed will sow 75 feet of row; 4 to 5 pounds per acre.

**CULTURE**—The early, loose-leaved lettuce may be sown just as early as the ground can be worked. Have the soil well pulverized, and fairly rich. Sow  $\frac{1}{4}$  to  $\frac{1}{2}$  inch deep, in rows 2 feet apart. When the plants are 3 or 4 inches tall, thin out to stand 4 inches apart in the rows. For later sowings, All Seasons and Crisp-as-Ice, are better than the leaf varieties, as they endure hot weather better.

Shooting to seed of lettuce is due to hot weather, and cannot be controlled—For this reason, lettuce should be sown very early.

## CURLED OR LOOSE LEAF SORTS

**325. \*GRAND RAPIDS**—The best and most profitable sort for forcing. Grown almost exclusively by market gardeners. A splendid shipper, not apt to rot. Plant is upright and forms a loose head or a cluster of light green leaves. One of the very best leaf lettuces for the garden. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.35, prepaid.

**326. \*BLACK-SEEDED SIMPSON**—One of the best and most largely planted bunching varieties; excellent for forcing as well as for growing outdoors. Distinctly a market gardener's sort, but also very satisfactory for home use, as it is very reliable and easily grown; it succeeds during summer when more delicate sorts fail. Leaves broad, sweet and tender. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.35, prepaid.

**327. \*SIMPSON'S EARLY CURLED**—(Seed white.) Early, erect growing. Leaves broad, often frilled and blistered, and formed into a loose head; light green in color; sweet, tender and well flavored. May be cut when very young. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.35, prepaid.

**328. \*FIRST OF ALL**—The earliest curled leaf variety suitable for outdoor culture or forcing. Exceptionally tender and sweet. Leaves are crumpled, heavily fringed, and of light green color. Pkt. 8c, oz. 20c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50, prepaid.

**329. PRIZEHEAD**—An excellent home variety and planted more extensively for family use, than any other kind; not suited for shipping and not adapted for forcing. The plant consists of a loose cluster of leaves, of bright brown color, varying to bright green; the quality is very fine, tender and crisp. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.35, prepaid.

## HEAD LETTUCE

**CULTURE**—Thin out the plants to stand from 6 to 10 inches apart in the rows. As the heads develop, every other plant may be taken out and used, and the balance will form fine solid heads. Head lettuce needs cool weather, plenty of moisture, and room to grow.

**331. \*ALL SEASONS**—Large, handsome, solid heads, rather flat. The leaves are soft greyish green, broad and slightly wrinkled while the inner ones are beautifully blanched, thick and of finest flavor. Very crisp and tender, having that "buttery" quality so much liked. It resists heat exceptionally well, and may be grown in the open from early until late in the season. Best for successive crops. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.35, prepaid.

**332. \*F. S. & N. CO'S MAY KING**—The earliest head lettuce. Equally desirable for market and the home garden. Heads medium sized, with outer leaves folding close to the head, thus permitting close planting for frame work; color light green, outer leaves tinged slightly brown; heart of a beautiful appetizing yellow. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.35, prepaid.



Crisp-As-Ice Lettuce.

**335. CRISP-AS-ICE**—A favorite variety forming decidedly solid heads, the interior of which are well blanched, sweet and tender. The leaves are exceedingly crisp and brittle, the outer ones being variegated brown and green. They are thick, broad and slightly blistered. Ready in 55 days. Pkt. 8c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.45, prepaid.

**336. HANSON**—The standard summer cabbage-heading variety for either the home or market gardener. Very reliable and a sure header. A large, late variety, forming a hard head of light green of best quality. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.35, prepaid.

**338. \*WONDERFUL OR NEW YORK**—A large variety of very good quality, fine flavor, sweet and crisp, and of dull green color; a good shipper. A favorite variety with market gardeners near New York; one of the best for the private garden; unfit for forcing. Excellent for mid-summer. This variety is also known as the "Los Angeles." Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00, prepaid.

**339. BIG BOSTON**—A very popular sort with market gardeners; succeeds well in late fall, but also a good summer lettuce and fine for forcing. Hardy, reliable, a sure-header, and a splendid shipper. The plants form large, compact heads, leaves of light dull green color with light brown border. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.35, prepaid.

**334. MIGNONETTE**—Forms small, compact heads, unsurpassed in quality. Outer leaves are tinged with brown and slightly curled. Heart blanches to a creamy white, and is particularly crisp and tender. Mignonette is a sure header and slow to go to seed. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.35, prepaid.

**340. MIXED LETTUCE SEED**—All kinds mixed. If not sown too thickly, will make a continuous crop. The best early and late varieties of curly leaf as well as head lettuce. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00, prepaid.

**341. CHICKEN LETTUCE**—All poultry raisers know that chickens need green food. This lettuce will yield a large amount of greens throughout the season, as it makes successive crops after cutting. Oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00, prepaid.

**EAT LETTUCE FOR HEALTH**—Lettuce is rich in all vitamins and is full of iron. Lettuce is a good appetizer. It is one of the most important of all the leafy vegetables. Lettuce is a wholesome, digestible and agreeable vegetable.

## GATOR HIDE MULCH PAPER

THE MIRACLE OF THE AGE.

The newest idea in truck and general farming is mulch paper. It is designed to stimulate all crop production by maintaining a control on moisture, eliminating interrow weeding and speeding the weeding within the row, and elimination of all cultivation.

Complete instructions on how to use this paper will be sent with each order and additional information upon request.

Prices: **TYPE A**—Light weight (only for field culture of annual crops).

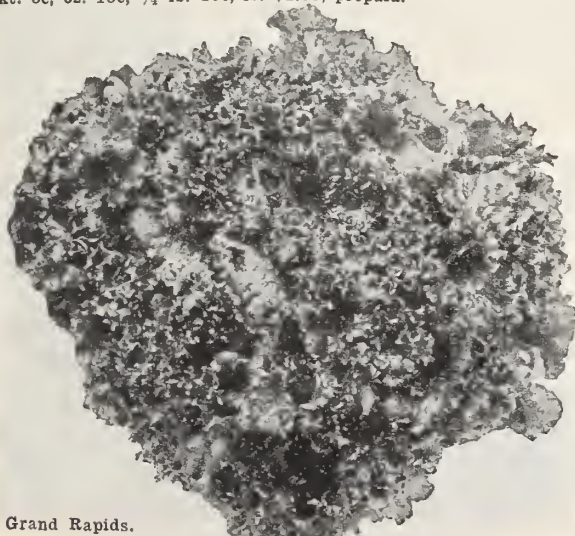
Rolls 18 in. wide, 300 yds. to roll, weight 27 lbs., \$3.50.

Rolls 36 in. wide, 300 yds. to roll, weight 53 lbs., \$7.00.

**TYPE B**—Heavy weight (for all purposes).

Rolls 18 in. wide, 150 yds. to roll, weight 30 lbs., \$3.50.

Rolls 36 in. wide, 150 yds. to roll, weight 60 lbs., \$7.00.



Grand Rapids.

**SPECIAL GATOR HIDE MULCH PAPER TRIAL ROLL:**  
60 lineal ft., 18 in. wide, 50c. 3 rolls for \$1.25, prepaid.



# MUSKMELON



Early Lake Champlain.

**364. HEARTS OF GOLD**—A beautiful golden salmon fleshed melon that ripens in 70 days. The fruits are uniform in size, averaging 5 inches in diameter, and very productive. As many as 12 melons have been picked from one vine. The flesh is thick and tender, and ripens clear to the skin. Fine for shipping or home garden. Pkt. 5c, oz. 10c, ¼ lb. 35c, 1 lb. \$1.25, prepaid.

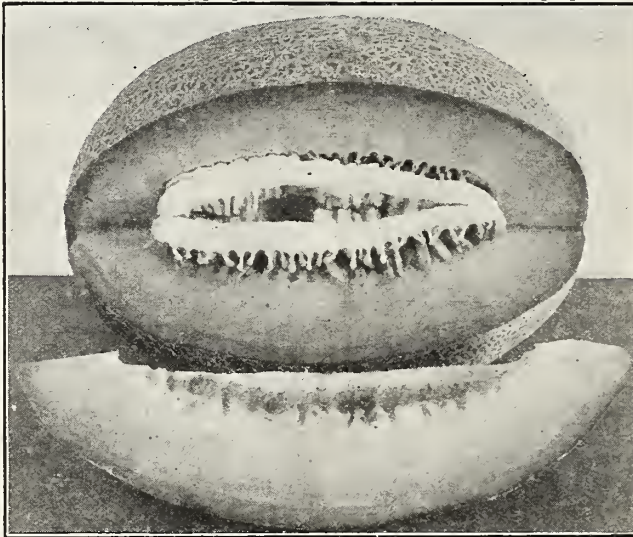
**349. MILWAUKEE MARKET**—(Special Strain). A delicious, large salmon fleshed sort; slightly oval in shape, heavily netted and with prominent ribs. Uniform as to size and quality. Flesh is salmon colored, thick and firm, and of aromatic flavor. A medium early sort, that produces ripe melons by the last of August. Pkt. 8c, oz. 15c, ¼ lb. 50c, lb. \$1.50, prepaid.

**363. YELLOW MEATED JAPAN**—The flesh is thick, salmon colored, and of sweet, delicious flavor. Fruits are of large size, nearly round, slightly ribbed. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

## "SACCO" INCREASES PROFITS

Growers are learning the value of commercial fertilizers. They increase yields, hasten maturity and repay their cost many times over.

"Sacco" contains all the required food elements in proper proportion. Ask for special circular. See page 79.



Minnesota Melting Sugar—Best of the Green Sorts.

## GREEN FLESHED SORTS

**350. ★MINNESOTA MELTING SUGAR**—The sweetest, richest flavored of all green-fleshed muskmelons. Fruits are oval in form, distinctly ribbed and heavily netted. The flesh is very firm, of green color, exceptionally sweet, sugary, juicy and tender, with a rich aromatic flavor. Vines are of vigorous, healthy growth, yielding an abundant crop of uniform sized melons, early in season. Pkt. 8c, oz. 15c, ¼ lb. 45c, lb. \$1.35, ppd.

**351. EXTRA EARLY HACKENSACK**—A selection of the Hackensack, ripening fully ten days earlier. The melons are of good size, heavily ribbed and netted, and have thick, light green flesh of fine flavor; they are very early, hardy and prolific and among the best market varieties. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

**354. HOME GARDEN MIXTURE**—A chance to try several of the best green and yellow-fleshed melons. We assort them to give you many pleasant surprises. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 90c, prepaid.

## MASTERS RAPID PLANT SETTER

The only practical tool for transplanting all kinds of plants—Tomatoes, Cabbage, Cauliflower, Pepper, Egg Plant, Strawberries, etc. Each plant is set, watered and covered in one operation, without any stooping or lame backs. Cuts labor to one-third. With the Masters Rapid Plant Setter, one man will set 8,000 to 15,000 plants per day—this is more than three men can do by hand.

### Does Perfect Work

The roots of each plant are put into the ground in a natural position and firmly set by the absorption of the water into the ground. This is "Nature's Own Way." Transplanting losses are reduced to the minimum. The tiny roots are sucked into the ground almost as though they grew there and the plant takes hold and starts to grow at once.

### Don't Wait for Showers

You can set your plants just when you are ready with the Masters Rapid Plant Setter and you will have a full stand of plants without fail. Works equally successful on hill sides, among stumps and uneven ground. Thousands are in use—they are guaranteed to satisfy you fully or money back. This Setter will pay for itself within the first week of use. Price: \$6.00, f. o. b. Faribault.



One ounce of seed will plant 60 hills, 2 to 3 pounds per acre.  
**CULTURE**—Muskmelons or cantaloupe require warm, rich soil, slightly sandy. Plant when all danger of frost is past, in hills 6 feet apart each way, 8 to 10 seeds to a hill. Well-rotted manure carefully worked into the soil is beneficial. After danger of insects is past, thin out to 3 or 4 plants to a hill. Cultivate until vines cover the ground, and pinch off the ends of the vines. Give them plenty of moisture. Early melons ripen in 80 to 100 days. General crop requires 110 to 140 days.

## SALMON FLESHED SORTS

**359. ★EARLY LAKE CHAMPLAIN**—Absolutely the earliest of all, and of much finer quality than any other early sort. Melons are of medium size, well netted, with golden yellow flesh that is of deliciously melting flavor. Pkt. 8c, oz. 15c, ¼ lb. 50c, lb. \$1.50, prepaid.

**357. NEW SUGAR ROCK**—This is the newest outstanding muskmelon. It's a money-maker and a source of pride for every grower because of its handsome appearance, its marvelous flavor and its wonderful shipping qualities. Sweet as sugar, solid as a rock and easy to grow, is the universal verdict.

Sugar Rock is a strong grower and heavy yielder, producing as high as five to seven fruits per vine. It is not an extra early variety, but mid-season or about 85 days from seed—has deep orange flesh, with a flavor different from most other sorts, which can only be appreciated by tasting. In competition with other varieties, sold wholesale and by roadside stands, Sugar Rock averaged 50% more in price per pound. The originator averaged \$50.00 per acre from 14 acres of Sugar Rock Melon last season. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid. See back inside cover.

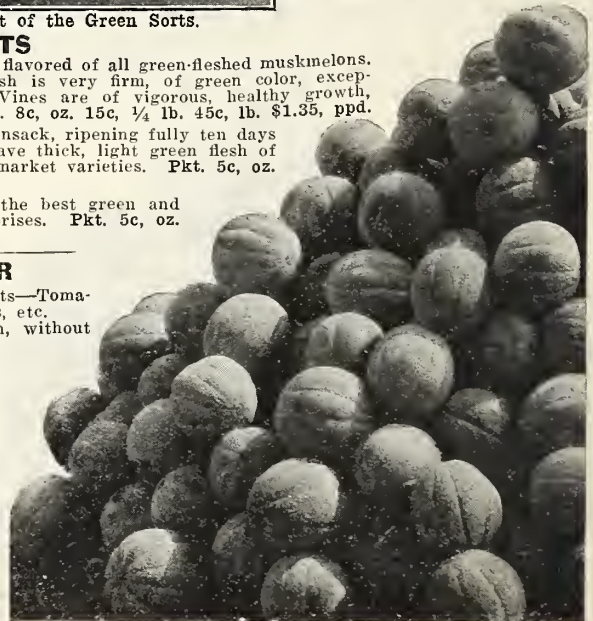
**361. ★PREMIUM OSAGE**—(Special Strain). An improved strain of the popular Osage, being a few days earlier, and covered with thick grey netting. Flesh is deep salmon, thick and firm, and of luscious flavor. A fine keeper and shipper, more extensively grown by market gardeners than any other sort. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.25, prepaid.

**369. BENDER'S SURPRISE**—Fruits are oval, light green turning to a golden tint when fully ripe, and coarsely netted. Flesh deep orange, very thick and sweet. The melons weigh up to 10 lbs. and keep a week after picking, actually improving in flavor. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.25, prepaid.

Market gardeners, ask for special price list for quantity garden seed purchases. Free on request.

**360. NEW FORDHOOK**—The fruits grow very even and regular in size and attractive in appearance, slightly flattened at both ends and roughly netted. The flesh is very thick, color an attractive deep orange and of delicious flavor. Remarkably early and a good shipper. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

Your neighbor will appreciate the loan of this catalog—a card will bring you another copy.



Premium Osage—a Real Money-Maker.



# WATERMELON

One ounce of seed for 30 hills; sow 4 to 5 pounds per acre.

**CULTURE**—The best soil for growing watermelons is light, rich, and sandy. When the ground is thoroughly warm, and all danger of frost is past, drop 8 to 10 seeds in hills 8 to 10 feet apart, covering the seed about an inch. When the plants begin to run to vines, thin out all but the 3 strongest plants in each hill. Hoe often and thoroughly.

For bugs, dust with Kalite, Garden Guard or Nok-Em-Kold, and for lice, spray with Evergreen or Shep's Spray. See page 78.

**370. ★COLE'S EARLY**—This is one of the finest home garden melons for the Northwest as it matures several weeks ahead of most others. Fruits are oblong in shape, weighing about 15 to 20 pounds, dark green, striped irregularly with a lighter shade. The flesh is bright red, firm, lusciously sweet; there is little or no seed cavity, with but few seeds. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c, prepaid.

**371. ★EARLY ROUND LIGHT ICING**—About the earliest of all watermelons. The fruits are of medium size, nearly round, slightly veined, or dotted with light green. Flesh is light red, very sweet and crisp. Seeds are white. Especially adapted for the Northwest where seasons are short. Many gardeners have made fine profits with this melon. Pkt. 5c, oz. 10c, ¼ lb. 35c, ½ lb. 60c, lb. \$1.00, prepaid. See inside back cover.



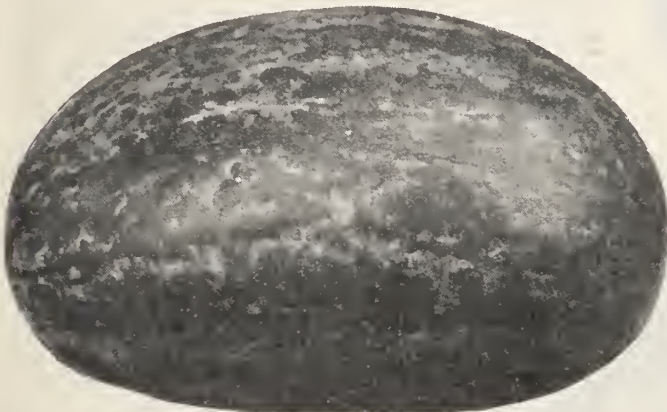
New Winter.

**386. EARLIEST AND SWEETEST**—Just what its name indicates, the earliest and sweetest of all. Very prolific, often producing 6 to 8 melons on a single vine, that average 10 to 15 pounds in weight. Flesh is scarlet, of extra fine quality and free from stringiness. This is one of the best melons for growing in the Northwest. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c, prepaid.

**373. ANGELINO**—Fruits are round, dark green with slightly darker veins or mottlings. Flesh is brilliant red and of excellent quality. No trick to tell when this melon has reached maturity as the veining stands out distinctly when ripe. For market or home garden it will prove a pleasant surprise. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.00, prepaid.

**383. ★KLECKLEY'S SWEET**—A high quality melon of large size, often reaching 22 inches in length and 40 pounds in weight. It is oblong, with dark green rind. Flesh is red, tender and meltingly sweet. The seeds are white and placed quite near the rind. This melon is very prolific and matures in about 80 days. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c, prepaid.

**390. CITRON**—For making preserves. Flesh is clear white and solid. Fruits are round and smooth, quite small. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c, prepaid.



Earliest and Sweetest.

**376. NEW STONE MOUNTAIN**—A large, quality melon, almost round. Rich green color. Flesh is bright scarlet—extremely sweet and of fine quality. This melon has very few seeds—almost all heart. Considered the best of the late introductions. We offer Michigan grown seed. Pkt. 8c, oz. 15c, ¼ lb. 40c, lb. \$1.10.

**374. TOM WATSON**—One of the most popular shipping melons, with very tough rind that is deep green, indistinctly veined. Fruits are very large and oblong, usually about 22 inches long and 12 inches in diameter, and weigh as much as 40 pounds. Flesh is deep red and sweet, coming very close to the rind. Seeds are brown. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c, prepaid.

**384. ★WONDER MELON**—It grows uniformly large and long, resembling Tom Watson, but is thicker, more solid, and usually larger and heavier, often weighing 40 pounds. The flesh is bright scarlet, and sweet to the rind; it is free from cores or hard centers. Seeds are small and white. The melon is deep shiny green, with a thin tough rind, and withstands shipping well. Pkt. 8c, oz. 15c, ¼ lb. 40c, lb. \$1.10, prepaid.

**385. ★GOLDEN HONEY**—Flesh is bright, golden yellow, firm, crisp and glistening, and fairly melts in your mouth. It is deliciously sweet, fully equal in flavor to the best red sorts. Melons are of medium size, oblong, with hard rind of deep green. Every garden should have a few of these wonderful melons. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.00, prepaid.



Cole's Early.

**375. ICE CREAM OR PEERLESS**—One of the best early sorts for private gardeners. Melons are medium sized, oval, bright green, finely mottled. Flesh is bright scarlet, solid, crisp, and sweet. A very prolific variety, white seeded. Not a shipping melon, but great for early selling or roadside market. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c, prepaid.

**382. ★NEW WINTER**—A wonderful variety that keeps for 2 months after picking, if properly stored. The melons are quite small, average 10 pounds in weight, and look like the Honeydew muskmelon, with cream colored rind, faintly striped with light green. A very early sort, prolific, and a splendid shipper. Flesh is equal to the best, bright red, sweet as honey, with small black seeds. Winter Watermelons are often sold in October and November. Pkt. 8c, oz. 15c, ¼ lb. 40c, lb. \$1.10, prepaid.

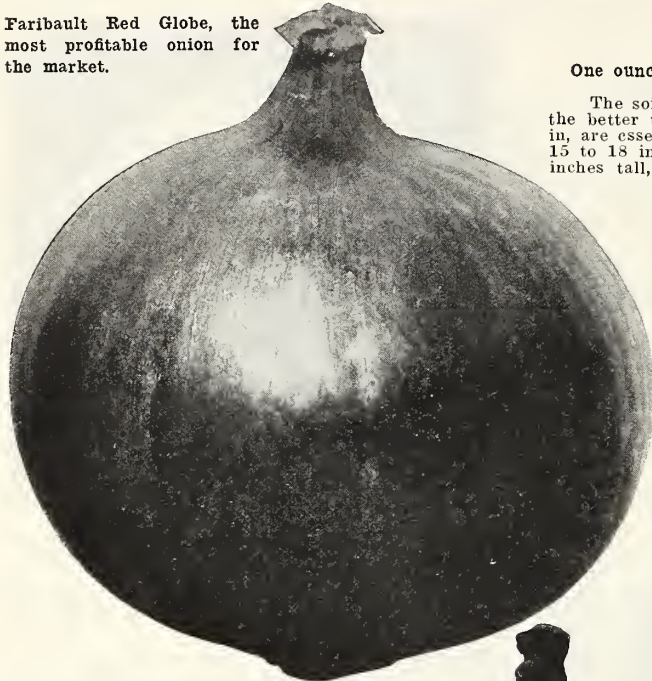
**388. MIXED WATERMELON**—For those of our customers wishing an assortment of watermelons, we have put up a special mixture containing our best and most popular varieties. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.



Kleckley's Sweet, a delicious medium early Melon.



Faribault Red Globe, the most profitable onion for the market.



**403. ★LARGE RED WETHERSFIELD**—This is the most extensively grown large red onion, and is an exceptionally heavy yielder, and a splendid keeper. There is no better onion grown, as far as earliness, beautiful form and color are concerned, and in productiveness and long keeping qualities, it excels all others. The bulbs are of large size, and though somewhat flattened, are thick through; skin is glossy deep red; flesh is purplish white, and of excellent, rather strong flavor. Flat onions mature earlier than the globes, and are therefore more suitable for northern sections, and for dry, sandy soil, than the globe varieties. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50, 2 lbs. \$2.80, prepaid.

**FREE**—Our illustrated booklet, "Make the Garden Pay," with a \$1.00 order for vegetable or flower seeds. Ask for it.

**MARKET GARDENERS**  
Send for Special  
Wholesale Price List.

**407. YELLOW GLOBE DANVERS**

—An early, almost true globe shaped onion, with beautiful brownish yellow skin, and pure white flesh of very choice quality. Bulbs grow uniformly to about 2½ inches in diameter, and are excellent keepers. This variety ripens several weeks earlier than the Southport Globes, and generally brings the highest prices paid for early onions. It is one of the best winter onions to grow in the home garden. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.65, 2 lbs. \$3.00, prepaid.

**408. MAMMOTH SILVER KING**—Very beautiful onions, of slightly flattened shape, but thick through, and averaging from 5 to 7 inches in diameter. The skin is silvery white; flesh is very mild and sweet, making it one of the very best for the table. An ideal sort for the market, or for exhibition purposes. Pkt. 8c, oz. 20c, ¼ lb. 55c, \$2.00, 2 lbs. \$3.75, prepaid.

F. S. & N. Co.

Have been using your seeds for the past 25 years and never had a failure. Every seed is true to name. Your Red Globe Onion Seed sure is fine. Everyone I sell them to in the fall tells me they keep until June.  
Jacob Roehl, Foreston, Minn.

## ONION SEED

One ounce of seed will sow 150 feet of drill; sow 5 to 6 pounds per acre.

### CULTURE

The soil should be very carefully prepared for onions. The richer the soil, the better the crop will be. Plenty of fertilizer and wood ashes, well spaded in, are essential. Sow the seed as early as the ground can be worked, in rows 15 to 18 inches apart, covering ½ inch deep. When the seedlings are 3 or 4 inches tall, they should be thinned out to stand 3 inches apart in the row.

Keep them free from weeds and hoe often.

Pull the onions when the tops die down, dry them off, and store for winter use in a cool, dry place.

The Globe onions are the best keepers, and the best winter onions. White onions are of milder flavor than the red and yellow, therefore most desirable for the table. Prizetaker, Silver King, and Sweet Spanish are the mildest of all. Prizetaker, Mountain Danvers and Yellow Globe onions, being very mild and also excellent keepers, are the best to grow for the home garden. Barletta and Silverskin are grown largely for pickles, and White Welsh for "green" onions.

**395. ★FARIBAUT RED GLOBE, SPECIAL STRAIN**

—The onion seed we offer is a special strain of Red Globe produced by years of careful breeding. The perfect globe type is thoroughly established in this variety, and the onions are always of the most uniform shape. The bulbs are of a dark red color, very attractive in appearance. They are thin necked, ripening down to a hard solid ball. This is the best onion for winter use, an excellent keeper, and most profitable for market. Pkt. 8c, oz. 15c, ¼ lb. 50c, lb. \$1.60, 2 lbs. \$3.00, prepaid.

**397. ★MINNESOTA SOUTHPORT YELLOW GLOBE**

—The most beautiful yellow onion of fine globe shape, golden yellow color, large size, being 3 to 3½ inches in diameter, and mild flavor. It is a heavy cropper, an excellent keeper and good shipper. It matures in 105 to 115 days. The best yellow variety to grow for the market. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.65, 2 lbs. \$3.00, prepaid.

**398. ★MINNESOTA SOUTHPORT WHITE GLOBE**

—The handsomest onion grown; it sells at a higher price than all other sorts. Perfectly globe-shaped; thin, delicate skin of snow white color. Flesh is firm, fine grained and of mild flavor; a tremendous cropper and good keeper. To get fine white onions great care should be exercised in harvesting and curing the crop. Pull as soon as onions are ripe enough to harvest and dry in an airy and shady place. Pkt. 8c, oz. 20c, ¼ lb. 60c, lb. \$2.25, 2 lbs. \$4.20, prepaid.

**402. EBENEZER OR JAPANESE ONION**

—Large, somewhat flattened onions, yellow skinned, with small tops. They mature early, and keep hard and sound all winter. For the home garden and table use, there is no better flavored onion, and few varieties keep as well. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.65, 2 lbs. \$3.00, prepaid.

**399. MOUNTAIN DANVERS**

—(Long Keeping Strain.) This strain is commanding a lot of attention as it is the earliest yellow globe variety and was developed in the mile high regions of Colorado. It remains firm and usable much longer than any other variety—its color is a fine golden yellow—flavor is mild, and its earliness and long keeping qualities make Mountain Danvers most suitable for marketing and a profitable variety to grow. Pkt. 8c, oz. 15c, ¼ lb. 50c, lb. \$1.75, 2 lbs. \$3.25, prepaid.

Southport  
Yellow Globe.

Don't fail to try Gator  
Hide Mulch Paper to  
cut labor and expense.  
See page 11.



Large Red Wethersfield, a heavy yielder, good keeper.



# ONION SEED AND SETS

**405. WHITE BERMUDA OR CRYSTAL WAX**—Very large flat onions, with a pleasant, mild flavor, and flesh of delicate texture. Beautiful in appearance, both skin and flesh being clear white. An extra fine onion for the home garden. Should be planted early. Pkt. 10c, oz. 30c, ¼ lb. 90c, lb. \$3.00, prepaid.

**406. ★PRIZETAKER**—This onion is remarkable on account of its great size and splendid quality. It is a yellow globe, very uniform in shape, with skin of bright straw color. It is of the same type as the large Spanish onions, that sell for a fancy price. The flesh is pure white and fine grained, mild and delicate in flavor. Prizetaker onions grow to immense size, from 12 to 16 inches in circumference, some weighing from 3 to 5 pounds each. Prizetaker requires a long season, and should be started early. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.65, 2 lbs. \$3.00, prepaid.

**412. SWEET SPANISH**—Here is a new variety of onion that deserves a place in every garden. It is about the mildest onion in cultivation, a product of old Spain, now acclimated to our own growing conditions. In size and shape, it greatly resembles the Prizetaker with skin a bright golden straw color. For table slicing, this variety is a rival of the Bermuda—it may be eaten like an apple and is bound to become one of the leading varieties. Pkt. 8c, oz. 25c, ¼ lb. 75c, lb. \$2.75, prepaid.

**409. ★EXTRA EARLY BARLETTA**—The best variety for small pickles. It is the earliest ripening onion in cultivation. The bulbs are pure paper-white, very small, averaging only from 1 to 1½ inches in diameter; they are of flat shape and very mild flavor. To grow small pickling onions plant the seed thickly in drills 15 inches apart, using 4 to 5 pounds per acre. Pkt. 8c, oz. 20c, ¼ lb. 55c, lb. \$2.00, prepaid.

**411. WHITE PORTUGAL OR SILVERSKIN**—A medium sized onion of mild flavor and beautiful, clear white skin. A favorite with many for use when young as a bunching onion and for pickles; it is also a good keeper and fine for fall and early winter use. Used largely for the growing of white sets. Pkt. 8c, oz. 20c, ¼ lb. 55c, lb. \$2.00, prepaid.

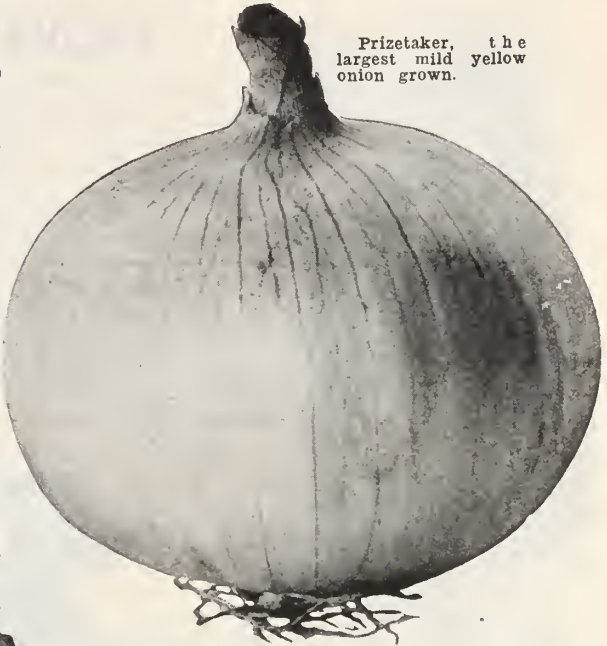
**410. EARLY WHITE WELSH**—Perennial and the best "green onion." This variety does not produce bulbs, but being a perennial, it provides a good crop of green onions in the spring, and may be left in the ground for years. A profitable sort for the market gardener. Seed may be sown in August or September, to produce green onions early in spring. Pkt. 8c, oz. 25c, ¼ lb. 70c, lb. \$2.50, prepaid.

**414. MIXED ONION SEED**—This mixture contains seed of all varieties, Globe, Wethersfield, early and late, and "green" onions. It is fine for the small garden, as it will furnish a supply of onions all summer and for winter storage. Also recommended for growing sets. Pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50, 2 lbs. \$2.75, prepaid.

**CHIVES**—See Pages 26 and 27.



Early White Welsh, the best "green onion."



Prizetaker, the largest mild yellow onion grown.



Sweet Spanish, delicious for slicing, frying and baking.

## BERMUDA ONION PLANTS

Grow your own first young table Onions from Bermuda Onion Plants. The plants are grown in Texas from the finest strains of Bermuda Onion Seed. Like our Frost Proof Cabbage plants, these onions are grown from seed outdoors, during the winter, and are subjected to cold, ice and snow. They will produce onions two weeks ahead of those raised from seed, and are just about as cheap.

They are perfectly hardy, easy to grow and produce the finest mild flavored young onions in the shortest possible time. We ship them in bundles of 200 plants, all ready to set out, guaranteed to reach you in proper growing condition. Use them as green onions, or let them develop to creaming size. If allowed to continue growing, they will develop good sized bulbs. Orders will be shipped at proper time for setting out. Set out 100,000 plants per acre.

Price: 200 plants 45c, 500 plants 80c, 1,000 plants \$1.25, prepaid—not prepaid, case of 6,000 plants, \$4.50. Weight per case, 35 lbs.

## ONION SETS

32 lbs. equal 1 bushel. One lb. of sets will plant 25 feet of row or 12 bu. will plant an acre.

Onion sets are planted for onions for early spring use. A pound or two is sufficient for the average family garden. They produce green or bunch onions in half the time it takes to raise these from seed, and can be planted before it is safe to plant anything else.

We quote prices on one pound quantities prepaid. For larger quantities, add postage.

**JAPANESE OR EBENEZER ONION SETS**—In shape and color, this variety resembles Yellow Globe Danvers, but it generally produces 50% more onions per acre. Its great superiority over other onions is the big yields, long keeping quality, and freedom from going to seed. Japanese sets produce marketable onions in June and July, long before any others are ready. Price: Lb. 25c, prepaid.—Not prepaid, 4 lbs. 45c, peck 70c, bu. \$2.50.

**EGYPTIAN PERENNIAL SETS**—A hardy variety that may be planted either in spring or fall. They require no attention, spread rapidly, and make the first green onions for the table in spring. Price: Lb. 25c, prepaid.—Not prepaid, 4 lbs. 45c, peck (7 lbs.) 70c, bu. (28 lbs.) \$2.50.

**SUMMER TOP SETS**—Earliest of all. Planted both for early green onions and for late eating stock. Price: Lb. 40c, prepaid.—Not prepaid, 4 lbs. \$1.00.

**YELLOW MULTIPLIERS**—Price: Lb. 40c, prepaid.—Not prepaid, 4 lbs. 85c.

**WHITE BOTTOM SETS**—Price: Lb. 25c, prepaid.—Not prepaid, 4 lbs. 50c, peck 75c, bu. \$2.75.

**RED OR YELLOW BOTTOM SETS**—The onions commonly planted in the home garden, for early green onions, also for later use. Price, your choice of either variety: Lb. 20c, prepaid.—Not prepaid, 4 lbs. 40c, peck 60c, bu. \$2.25.

**GARLIC**—Used for sausage, soups, salads, etc. ½ lb. 20c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.40.



# NORTHERN GROWN PEAS

Sow 1 pound for 50 feet of drill; 2 to 3 bushels per acre.

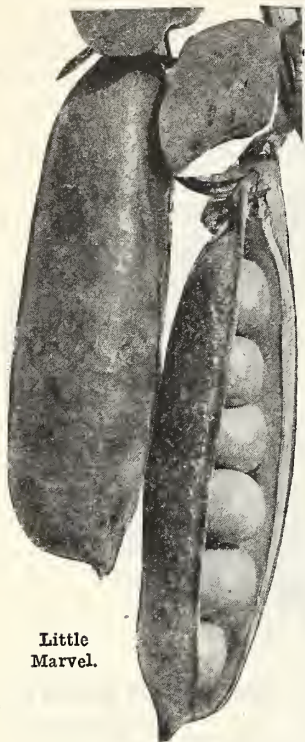
In order to have luscious, tender peas throughout the summer, even after hot weather sets in, plant all your peas early in spring, at the same time, using extra early, main crop, and late sorts. Peas require cool, moist weather and early planting, to develop their roots and set the crop. Peas may be planted as soon as the ground can be worked, from April 1 to May 15, in this latitude. By planting such varieties as Extra Early Six Weeks, Thomas Laxton, Laxton's Progress, Potlatch and Quite Content, you can pick peas from your garden almost until fall.

**CULTURE**—Garden Peas do best in light rich soil, and are quite hardy, requiring fairly cool weather. The extra early varieties can be sown just as soon as the ground can be worked, early in April here. Sow in rows 24 to 26 inches apart, covering the seed about 2 inches deep. The tall varieties should be supported with brush, or twine and light stakes.

## F. S. & N. CO'S ALL SEASON COLLECTION OF PEAS

**510. FRESH PEAS ALL SUMMER**—We have selected varieties which will mature in succession, and furnish a continuous supply of delicious peas.

Our Prepaid Offer { **EXTRA EARLY SIX WEEKS**—Early ..... } 1 pkt. of each variety 15c.  
 { **LITTLE MARVEL**—Midseason ..... } 1 lb. each 80c.  
 { **POTLATCH**—Late ..... } 2 lbs. each \$1.50.



Little Marvel.

Don't Fail to Inoculate With NITRAGIN.

## EXTRA EARLY PEAS

### 448. EXTRA EARLY SIX WEEKS—

This is a semi-wrinkled variety, a rapid grower and heavy yielder, 15 to 18 inches tall. Pods are of medium size, and well filled with fine quality peas of delicious flavor. The seed of this variety has been reselected from Carter's Eight Weeks, and produces fine table peas 10 days to 2 weeks earlier than the latter. Plant Early Six Weeks Peas, and have the earliest peas ever known. 2 1/4 oz. pkt. 8c, 1/2 lb. 18c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. 95c, 15 lbs. and more at 16c per lb.

### 458. EARLIEST AND SWEET-EST—

Height 2 feet. The earliest of all sweet, wrinkled sorts. Similar to the Alaska in size, form and time of ripening, but has the tender quality and delicate flavor of the best wrinkled sorts. A favorite with canners. 2 1/4 oz. pkt. 8c, 1/2 lb. 18c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. 95c, 15 lbs. and more at 16c lb.

## EARLY WRINKLED PEAS

**459. ★GRADUS OR PROSPERITY**—Height 3 to 3 1/2 feet. An extra early wrinkled pea with immense pods, as large as those of the Telephone, which contain peas of superb quality, luscious and sweet. The vine is similar in appearance to the Telephone, the pods are well shaped, handsome; peas are large and of beautiful green color, which they retain after cooking. On account of its earliness, large sized pod and splendid quality this is fine for market. 2 1/4 oz. pkt. 8c, 1/2 lb. 18c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. 95c, 15 lbs. at 16c lb.

**460. ★THOMAS LAXTON**—Height 3 to 3 1/2 feet. An early wrinkled variety of great merit. Vines are strong, vigorous and dark green in color. Pods are large, long, with square ends, and of about the same size and quality as the late variety, the Champion of England. The peas are very large, fine colored and unsurpassed in quality. It is one of the most popular sorts for the market and home garden. 2 1/4 oz. pkt. 8c, 1/2 lb. 18c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. 95c, 15 lbs. and more at 16c per lb.

**461. LAXTON'S PROGRESS**—A new extra early dwarf pea from England—conceded to be the earliest and best quality of the large podded dwarf sorts. Also a heavy yielder, and an improvement on the well known Laxtonian. As a market variety it is outstanding. The vines grow 15 to 18 inches high—pods 4 to 4 1/2 inches long and of deep green color. Large dark green peas of wonderful quality and flavor. Pkt. 10c, 1/2 lb. 20c, lb. 35c, prepaid.—Not prepaid, 2 lbs. 60c, 5 lbs. \$1.00.

**470. ★GIANT LAXTONIAN**—The Dwarf Gradus Pea. Height about 16 inches. This is the largest podded early dwarf pea in existence, requiring no support. Pods are as large as Telephone, well filled with eight to ten large peas of delicious flavor. It is a true Marrowfat Pea, having the richness and unsurpassed quality of the best late Marrowfat varieties. The vines are vigorous, producing heavy crops. 2 1/4 oz. pkt. 8c, 1/2 lb. 18c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. 90c, 15 lbs. and more at 16c per lb.

**471. LITTLE MARVEL**—Grows about 18 inches in height. The vines grow very even and uniform, and produce good sized pods very abundantly, frequently in pairs. Pods are very well filled with delicious deep green peas and the crop is ready in 60 days. An extra quality pea for the home table. 2 1/4 oz. pkt. 8c, 1/2 lb. 18c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. 90c, 15 lbs. at 16c per lb.

**472. AMERICAN WONDER**—Height 12 to 15 inches. An old variety, well known and highly prized for its flavor and quality, which are of the very best. Of dwarf, robust habit and bearing in abundance large, well filled pods. 2 1/4 oz. pkt. 8c, 1/2 lb. 15c, lb. 25c, 2 lbs. 45c, prepaid.—Not prepaid, 5 lbs. 80c, 15 lbs. and more at 15c per lb.

**473. NOTT'S EXGELSIOR**—Almost as early as the smooth early peas, but of much better quality. Vines grow 15 inches high, bearing pods 3 inches long, each pod containing 5 to 7 tender delicious peas. Vines are vigorous and enormously prolific. A fine sort for the home garden. 2 1/4 oz. pkt. 8c, 1/2 lb. 15c, lb. 25c, 2 lbs. 45c, prepaid.—Not prepaid, 5 lbs. 80c, 15 lbs. and more at 15c per lb.



Laxton's Progress.

Market Gardeners Ask Special Price List.



Thomas Laxton.



# OUTSTANDING PEA VARIETIES

**474. PREMIUM GEM**—Improved Little Gem. Height 15 to 18 inches. A trifle later than American Wonder; it is, however, a better yielder. Pods are 2½ to 3 inches long and are well filled with a fine quality of wrinkled peas. 1½ oz. pkt. 8c, ½ lb. 15c, lb. 25c, 2 lbs. 45c, prepaid.—Not prepaid, 5 lbs. 80c, 15 lbs. and more at 15c per lb.

**480. ★POTLATCH OR BIG DINNER**—This splendid variety ripens as early as Premium Gem, but the pods are much larger, usually borne in pairs and in the greatest profusion. Strong, vigorous vines of even growth, 18 to 20 inches in height, with luxuriant dark foliage, bearing pods 3½ to 4 inches in length, broad and pointed at the ends. No variety known will produce more pods, and no pods could possibly shell out better. Every gardener will find "Potlatch" to be a profitable crop. 2¼ oz. pkt. 10c, ½ lb. 20c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. \$1.00, 15 lbs. and more at 18c per lb. See first inside cover.

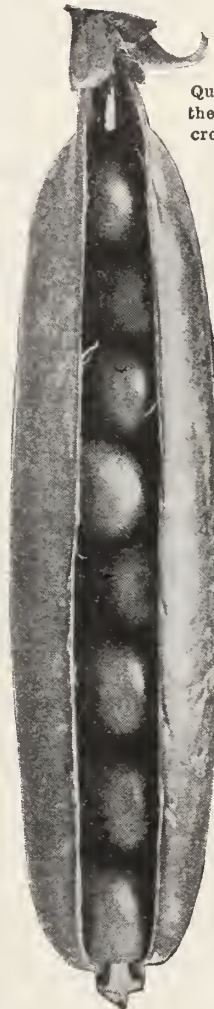
**484. EVERBEARING**—Height 2½ feet. Vine stout, bearing an abundance of broad pods. If these are picked as they mature, and the season and soil are favorable, the plant will throw out new branches, bearing pods which will mature in succession, thus prolonging the season. The peas are very large, tender and of superior flavor. 2¼ oz. pkt. 8c, ½ lb. 18c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. 95c, 15 lbs. and more at 16c per lb.

**486. ★DWARF TELEPHONE OR DAISY**—Height 18 inches. Excellent second early dwarf pea with immense pods and peas. A magnificent sort. The self-supporting stout plants are loaded with large, bright green pods, which are always well filled, each pod containing from 8 to 10 peas of bright green color, tender and of delicious flavor. 2¼ oz. pkt. 8c, ½ lb. 18c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. 95c, 15 lbs. and more at 16c per lb.

**492. DWARF SUGAR**—Early and productive. Pods broad, flat and crooked. Cooked when young the sauc as string beans without shelling; sweet and tender. Pkt. 8c, ½ lb. 18c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. 95c, 15 lbs. and more at 16c per lb.



Everbearing Peas.



Quite Content, the sweetest main crop Pea.



## TALL PEAS FOR MAIN CROP

**501. ★QUITE CONTENT**—The favorite variety of most of our customers. We receive more compliments on our Quite Content peas than on all other sorts. The pods are larger and longer than those of any other pea in cultivation, often growing 6 to 7 inches long and containing 10 to 12 peas of the finest quality and flavor. This is a late variety with dark green foliage; the pods, also dark green, hang mostly in pairs and are borne in great profusion. It is a pea with which everyone will be "quite content"—on account of its great productiveness and high market value, and its wonderfully fine flavor. 2¼ oz. pkt. 8c, ½ lb. 20c, lb. 35c, 2 lbs. 60c, prepaid.—Not prepaid, 5 lbs. \$1.10, 15 lbs. and more at 18c per lb.

**503. ALDERMAN**—(Also called Improved Telephone and Admiral Dewey). Height 4 to 5 feet. The vines are remarkably healthy and vigorous, producing an abundance of pods of immense size, quite often measuring 6 inches in length, which are well filled with sweet and tender peas of the largest size. Foliage, vines and pods are of a rich dark green color. As a heavy cropper it beats all late varieties. 2¼ oz. pkt. 8c, ½ lb. 18c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. 95c, 15 lbs. and more at 16c per lb.

**505. ★TELEPHONE**—Height 4 feet. On account of its beautiful large pods and high quality, one of the leading peas with market gardeners. Vines are vigorous and produce an abundance of very large pods, filled with immense peas, which are tender, sweet and of excellent flavor. 2¼ oz. pkt. 8c, ½ lb. 18c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. 95c, 15 lbs. and more at 16c per lb.

**506. CHAMPION OF ENGLAND**—Height 5 feet. Although one of the oldest of the tall growing late peas, it is one of the richest and best flavored varieties. The vigorous vines produce large pods of luscious peas in the greatest abundance. 1½ oz. pkt. 5c, ½ lb. 15c, lb. 25c, 2 lbs. 45c, prepaid.—Not prepaid, 5 lbs. 80c, 15 lbs. and more at 15c per lb.

## FIELD PEAS

**494. CANADA YELLOW**—The dry peas are of good size and excellent for cooking. Succeeds well most anywhere and is very prolific. Pkt. 5c, ½ lb. 15c, lb. 25c, prepaid.—Not prepaid, 5 lbs. 75c.

For prices on larger quantities see Farm Seed Department and Blue Figure Price List.

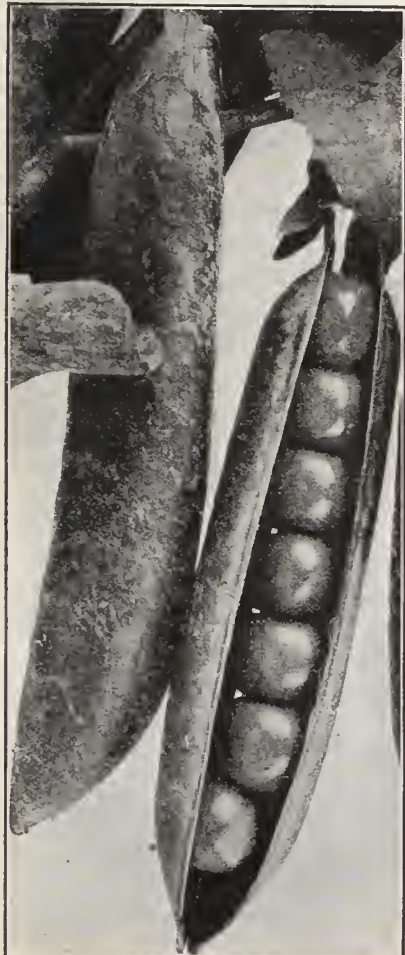
### "SACCO" WILL PERFORM MAGIC WITH YOUR GARDEN

Odorless—Easily Applied—Most Effective Fertilizer.

Sacco will stimulate growth, hasten maturity, produce lovelier flowers and larger fruits and vegetables. Only two to four lbs. per hundred square feet are needed and the results are quickly noticed. Sacco contains all food elements in their proper proportion.

The 85c size—10 lbs.—sufficient to fertilize plot or lawn 20x25 feet. The \$1.75 size—25 lbs.—will cover 40x30 feet.

Price: 5 lb. bag 45c, 10 lb. bag 80c, 25 lb. bag \$1.60, 50 lb. bag \$2.80, 100 lb. bag \$4.75, f. o. b. Faribault.



Potlatch, for main crops.





Moss Curled Parsley.

## PARSLEY

One ounce will sow 150 feet of drill.

**CULTURE**—Parsley is indispensable for flavoring and for garnishing. The seed germinates slowly, in 2 or 3 weeks and, therefore should be soaked in warm water for a few hours before planting. Sow early in spring,  $\frac{1}{2}$  inch deep, in rich, mellow soil, and when plants are of good size, thin to stand 8 inches apart in the rows. In the fall, a few plants may be set into pots, and taken indoors.

**430. ★CHAMPION MOSS CURLED**—A compact growing, finely cut and densely curled variety of a deep green color. Owing to its fine color and handsome foliage, it is one of the most popular sorts. Special gardeners' strain. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00, prepaid.

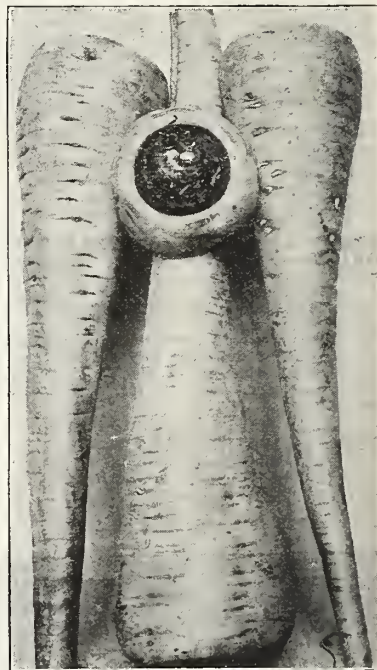
**431. TURNIP-ROOTED OR HAMBURG**—The root is the edible portion of this variety and resembles a small parsnip, both in color and shape. Flesh white, a little dry, having a flavor similar to celeriac. Very hardy and should be cultivated like parsnip. Foliage same as Plain Parsley. Pkt. 10c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.20, prepaid.

May 6, 1931.

Farmer Seed & Nursery Co.

I used your garden seeds last year and had the best garden in my neighborhood, even though we had dry weather.

Mrs. W. A. Robinson, Pringhar, Iowa.



Parsnip, Long Smooth.

## PARSNIP

1 oz. for 200 feet of drill. 5-6 lbs. for an acre.

The parsnip is one of our most valuable root vegetables, because of its rich sweet flavor and high food value. Frost improves the flavor, and parsnips can be left in the ground all winter, to be harvested in spring when fresh vegetables are scarcest.

Parsnips do best in rich deep soil, but fresh manure should not be used. Seed germinates slowly, and may be sown early in drills. Thin the plants to stand 4 or 5 inches.

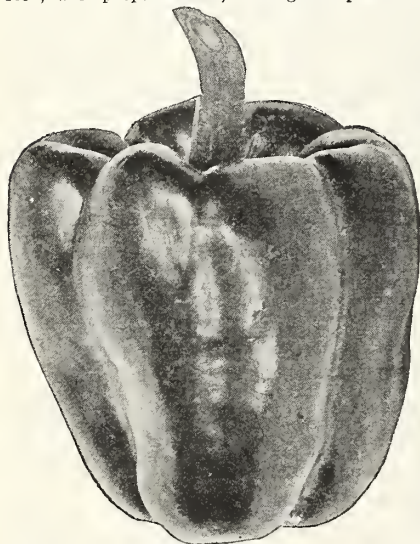
**426. LONG SMOOTH OR HOLLOW CROWN**—A great cropper; tender, sugary and considered the best for general cultivation. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 90c, prepaid.

**427. GUERNSEY**—The roots do not grow as long as those of the Hollow Crown, but are thicker and more easily gathered. They are very smooth and have fine grained flesh of excellent quality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 90c, prepaid.

## PEPPER

One ounce of seed for 1,000 to 1,500 plants.  $\frac{1}{4}$  lb. to transplant one acre.

Sow seed in flats or in the hotbed in March, and transplant seedlings, when 3 or 4 inches high, to other flats or to paper pots. About the last of May, transplant to the garden, in rich, well prepared soil, setting the plants in rows 3 feet apart, 20 inches apart in the rows.



Bull Nose Pepper.

**435. ★CHINESE GIANT**—This desirable variety is undoubtedly the largest sweet pepper ever offered. The flesh is quite thick, very mild and remarkably sweet. The plants are of strong, stocky growth, of bushy, erect habit, growing 18 inches to 2 feet in height, setting 3 to 4 extra large fruits at the base, quite early in the season, which ripen while a second crop is setting on the branches. The fruit is quite square in appearance. Pkt. 5c, oz. 45c,  $\frac{1}{4}$  lb. \$1.50, lb. \$5.75, ppd.

**433. RED CAYENNE**—Long, slender pods which taper to a point. Bright red when ripe, and very pungent. The best hot pepper for seasoning, pickles and pepper sauce. Pkt. 8c, oz. 35c,  $\frac{1}{4}$  lb. \$1.10, lb. \$4.00, prepaid.

## OKRA OR GUMBO

The young seed pods of this plant are used for the well known and delicious gumbo soups. Plant in spring as soon as danger of frost is past. Cultivate the same as corn.

**215. WHITE VELVET**—Height 3  $\frac{1}{2}$  feet; long white pods. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 30c, lb. 75c, prepaid.

**217. DWARF GREEN**—Grows low, is very productive. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 30c, lb. 75c, prepaid.

F. S. & N. Co.

The seed I got from you grew so well last year that I am sending another order.

Byron Tesch, Lester Prairie, Minn.

March 2, 1931.

**436. CALIFORNIA WONDER**—A leading new variety, greatly preferred by market gardeners and one of the largest peppers grown. Flesh is exceptionally thick—very mild and sweet. Fruits resemble Chinese Giant in size and shape but are smoother. When ripe, color is brilliant scarlet. Size up to 4 inches in diameter and 4  $\frac{1}{2}$  inches long. Will stand handling and shipping exceptionally well. Pkt. 10c, oz. 50c,  $\frac{1}{4}$  lb. \$1.65, lb. \$6.25, prepaid.

**303. PIMIENTO OR PERFECTION**—This is the mildest and sweetest pepper grown, and very prolific, with very thick mild flesh. It is of medium size, rather elongated, and tapering to a sharp point. When ripe, the peppers are brilliant scarlet and very attractive. Pimiento is a late maturing variety, and should be started indoors, here in the north. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 90c, lb. \$3.00, prepaid.

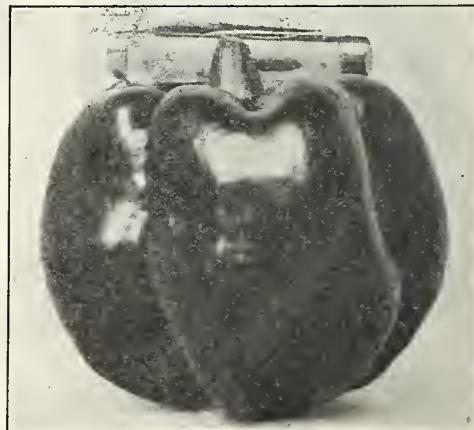
**437. ★BULL NOSE OR IMPROVED LARGE BELL**—The sweet, scarlet fruits are 3 inches in length and 2 inches in diameter, with thick mild flesh; of excellent quality for use in salads and pickles. A most popular and desirable sort; one of the best to grow for the market. Pkt. 8c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50, prepaid.

**442. RUBY KING**—Handsome, extra large, scarlet fruits. Flesh thick, sweet and mild. A favorite sort. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 85c, lb. \$3.00, prepaid.

For PEPPER PLANTS, see page 27.

**434. HARRIS' EARLY GIANT**

—Earlier than any other large sort. Plants are vigorous and very productive. Fruit is 5 inches long and 3  $\frac{1}{2}$  inches thick; color is deep green turning to red when ripe. The flesh is thick, mild flavored and very sweet. One of the best peppers for the home garden and market gardener. Pkt. 5c, oz. 45c,  $\frac{1}{4}$  lb. \$1.50, lb. \$5.75, ppd.



California Wonder.



# RADISHES

One ounce will sow 100 feet of drill, 9 to 10 pounds per acre.

**CULTURE**—For first crop sow as early in the spring as the ground can be worked, and every two weeks throughout the season, for succession. A warm, sandy loam is the best. Sow in drills 10 to 12 inches apart. Take them up before severe freezing and store in sand in the cellar or in a pit, where they will keep tender and crisp all winter.

**535. ★IMPROVED EARLY SCARLET GLOBE**—The leading variety of radishes for market gardeners; equally as good for forcing as for open garden culture. A very handsome radish of rich, bright scarlet color and oval shape, with very small tops; the flesh is delightfully crisp, juicy and tender. Extra early, fit to be pulled in about three weeks. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, 2 lbs. \$1.40, prepaid.

**546. ★ICICLE**—The finest white radish. Planted in the spring the radishes are ready for use in 20 to 25 days; their long, slender form and pure paper-white skin make them most attractive. The flesh remains crisp and tender until the roots attain a large size. Well adapted for forcing purposes as well as for successive sowing in the open ground. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, 2 lbs. \$1.40, prepaid.

**525. EARLY SCARLET TURNIP**—An extremely early strain of the well known Early Scarlet Turnip, that is ready for the table in 20 days. Its bright color, earliness and crisps, tender white flesh make it a leader, both for market and home garden use. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, 2 lbs. \$1.40, prepaid.

**544. ALL SEASONS OR ROUND SCARLET CHINA**—A most satisfactory radish, especially for late planting, round, bright scarlet in color and of exceptional flavor. Always crisp and tender, never gets woody during a droughty season. It is without doubt just as the name implies—the best All Season Radish in cultivation. Pkt. 8c, oz. 12c, ¼ lb. 25c, lb. 85c, 2 lbs. \$1.60, prepaid.

**526. ★EARLY SCARLET TURNIP WHITE TIP**—The radish is a bright scarlet with a white tip, and a beautiful shape; flesh white, crisps and finely flavored. We offer a special strain which has proven of exceptional value to market gardeners. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, 2 lbs. \$1.40, prepaid.

**540. CRIMSON GIANT**—This radish differs from all other forcing varieties in that its roots attain more than double the size without getting pithy or hollow. It is very early notwithstanding its size. Color crimson; flesh pure white and of the best quality. Fine for outdoors and forcing. Pkt. 8c, oz. 12c, ¼ lb. 25c, lb. 85c, 2 lbs. \$1.60, prepaid.

**529. ★SPARKLER**—Popular on account of its beautiful color, quick growth and fine qualities. Bright red with a large white tip, covering fully one-third of the roots. This variety has small tops, and is good for forcing in frames, also for growing outdoors. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c, 2 lbs. \$1.60, prepaid.

### PLANT THESE EARLY

The following vegetables may be planted as soon as you can make a garden: Asparagus Seed, Brussels Sprouts, Beets, Cauliflower, Celery, Celeriac, Carrots, Endive, Kale, Kohlrabi, Lettuce, Leek, Mustard, Onion Sets, Onion Seed, Onion Plants, Parsnips, Parsley, Peas, Smooth, Radish, Salsify.



White Icicle.



Red Sparkler, White Tip.

**548. FIRECRACKER**—A distinct type of long scarlet Radish—vivid scarlet color, shape cylindrical. Slender tap roots. A new introduction—fully as early as Saxa or Scarlet Globe and remaining in prime condition for a much longer time. Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. \$1.00, 2 lbs. \$1.80, prepaid.

### WINTER RADISHES

Winter radishes should not be sown until late in June. They can be used as soon as they are large enough. They grow considerably larger than spring radishes, but are of mild, tender quality. For winter use, the radishes should be dug and stored in sand, the same as other root vegetables.

**555. CALIFORNIA WHITE MAMMOTH**—Long, white, of large size. A good keeper; flesh tender and crisp. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.

**558. ROSE CHINA**—Medium size, large at the bottom, tapering abruptly to a small top; color deep rose. Flesh white, firm, and pungent. Fine keeper. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.

**559. LONG BLACK SPANISH**—Keeps longest of all winter radishes. Skin black; flesh white, crisp, quite pungent. Grows 10 to 12 inches long and has a diameter of from 2 to 3 inches. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.

**560. ★ROUND BLACK SPANISH**—Similar to Long Black, except in shape. Matures a little earlier. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.

Farmer Seed & Nursery Co.  
I receive a number of catalogs every year but cannot find a more dependable company than yours.  
I. H. Stanwood, Ogilvie, Minn.



Early Saxa.

**530. EARLY SAXA**—The earliest of all forcing radishes. Round, bright scarlet, with the smallest possible tops. Exceptionally crisp and tender and of fine flavor. An excellent early market variety and slow to shoot to seed. Pkt. 10c, oz. 15c, ¼ lb. 30c, lb. \$1.00, 2 lbs. \$1.80, prepaid.

**538. ★FRENCH BREAKFAST**—A quick growing, medium sized radish, oblong in shape; color a beautiful scarlet except near the tip where it is pure white. French Breakfast is ready for the table in 22 days and sells readily on the market. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, 2 lbs. \$1.40, prepaid.

### 542. MIXED RADISHES

This mixture contains early, summer, and winter varieties; all kinds, colors and shapes, a large assortment, ready for the table, early, medium and late. You always have some that are just right, sweet, tender and juicy. This mixture is for a small garden, where space is limited and one sowing does for the whole season. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, 2 lbs. \$1.10, prepaid.

Market Gardeners' Price List Free.

### RADISHES CONTAIN VALUABLE VITAMINS.

Sow round or globe varieties for the first crop. Long types do not grow so fast, and endure more heat. Sow Winter Radishes the latter part of June, and store in fall like carrots.



French Breakfast.



# SPINACH

One ounce of seed for 100 foot row; 12 to 15 pounds per acre or 30 pounds broadcast.

**CULTURE**—Succeeds best on rich, well drained soil. Sow early in spring, one inch deep, in rows 12 to 15 inches apart. For succession sow every two weeks until June. For early spring use sow in August and cover over winter.

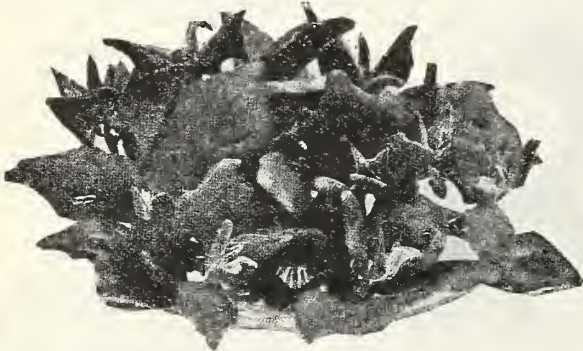
**584. ★KING OF DENMARK**—A fine new spinach, that is very slow to go to seed, and keeps in good condition for use weeks after other varieties have gone to seed. It is early and makes a quick, low growth. The leaves are of dark green color, very large and succulent, being much crumpled. They hold up well after being cut. Because of its long keeping qualities and fine flavor, this variety will replace other varieties, for home garden and market. Pkt. 8c, ¼ lb. 15c, lb. 50c, prepaid, 5 lbs. \$1.90, not prepaid.

**585. ★PRINCESS JULIANA**—A new type of the Long Season spinach, that is very slow to go to seed. It is a vigorous growing variety, with leaves of good size, very dark green, well crumpled and thick. It is a second early variety, with leaves growing close to the ground, and remains in good condition for table use a long time. Pkt. 5c, ¼ lb. 10c, lb. 45c, prepaid, 5 lbs. \$1.75, not prepaid.

**586. BLOOMSDALE SAVOY LEAVED**—The earliest variety and one of the best to plant in autumn for early spring use. Plants of upright growth, with medium sized, dark green, pointed leaves which are crumpled or blistered like those of Savoy cabbage. Pkt. 5c, ¼ lb. 10c, lb. 40c, prepaid, 5 lbs. \$1.75, not prepaid.

**589. ★NEW ZEALAND (Everlasting Spinach)**—An excellent, half hardy variety that is especially valuable for hot weather planting, and for poor soil, where other sorts do not grow. The plants are of quick, vigorous growth, do not run to seed, and withstand drought well. The leaves are tender and of good flavor. If the young shoots and leaves are pinched back, as required for table use, the plants will produce new growth, and one seeding will be sufficient for the entire season. Pkt. 8c, oz. 15c, ¼ lb. 25c, lb. 75c, prepaid.

**SWISS CHARD OR SPINACH BEET**—See Beets, page 5.



New Zealand Spinach.

## PEANUTS

**CULTURE**—Peanuts are a leguminous crop, the same as beans and peas, and valuable as fertilizing and forage crops. They require about the same care, and the planting season is the same as for corn. The shells must be removed before planting. Pods are borne beneath the ground. Peanuts are an interesting crop to grow, especially for children's gardens.

**514. EARLY SPANISH**—The earliest variety, and best for the North. Plants are upright and compact, with small pods and nuts of fine flavor. Large pkt. 8c, lb. 35c, prepaid.—Not prepaid, 5 lbs. \$1.10.

**515. LARGE VIRGINIA**—The main crop peanut, and the most extensively grown. Plants are erect, and of vigorous, rapid growth, with very large pods and nuts. An excellent variety for dry, sandy soil. Large pkt. 8c, lb. 35c, prepaid.—Not prepaid, 5 lbs. for \$1.10.

## GARDEN SUGGESTIONS

Make at least two plantings of Beans, Peas, Sweet Corn, in order to prolong the season. Plan for enough for canning, also.

Sow plenty of Beets, Carrots, Onions, Celery, and Rutabagas, for winter storage.

You can use some of the garden space twice—Radishes, Early Lettuce, Early Peas, etc., may be followed by Celery Cabbage, Tomatoes, Cabbage, Turnips, or another crop of Radishes and Lettuce may be grown.



Large Virginia Peanuts.



Spinach, King of Denmark.

## RHUBARB OR PIE PLANT

Rhubarb furnishes the first fruit of the garden in early spring. It is a wonderful spring tonic and very healthful. Easy to grow and greatly prized for sauce and pies.

**CULTURE**—Succeeds best in deep rich soil. Sow in spring in drills, cover one inch. Thin plants to six inches apart. Transplant in autumn or spring to permanent beds.

**581. RED WINE**—Larger than the average, a good seller in all markets; of excellent quality. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.

**RHUBARB ROOTS**—Extra strong two year old, each 15c, 3 for 30c, 12 for \$1.00, postpaid.

## SALSIFY OR VEGETABLE OYSTER

An ounce of seed will sow 50 feet of drill.

A wholesome and delicious vegetable, with mild oyster-like flavor when boiled. The roots may be cooked with a cream sauce, or sliced and fried, and make delicious soup. Sow in deep drills, in light rich soil, very early. The roots are perfectly hardy, and may remain in the ground all winter.

**592. MAMMOTH SANDWICH ISLAND**—Roots of large size, tender quality and good flavor. Pkt. 8c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.

## TOBACCO

One ounce of seed will produce enough plants for one acre.

**519. CONNECTICUT SEED LEAF**—One of the most reliable, standard sorts, best adapted to the middle and northern states. Pkt. 8c, ½ oz. 25c, oz. 40c, prepaid.

**520. WHITE BURLEY**—A profitable, dependable variety, both for the market and the home garden. The broad, porous leaves are much used for wrappers. Pkt. 8c, ½ oz. 25c, oz. 40c, prepaid.

**521. MIXED TOBACCO**—Pkt. 8c, oz. 30c, prepaid.

Eat iron foods to remove waste material and clean the blood stream. They are beets, lettuce, raw carrots, raw cabbage, spinach, currants, blackberries, strawberries, cherries.

*Want to thank you for the excellent quality seeds I have received from you the past years. Want to send a larger order later on.*

Mrs. P. C. Anderson,  
Farwell, Minn., R. 2, Box 77.



# SQUASH

One ounce of seed to 50 hills, according to the size of the seed, 3-4 lbs. in hills per acre.

**CULTURE**—Plant seed in extra fertile soil when danger of frost is past. The vining varieties should be planted in hills 8 or 10 feet apart each way, and the bush varieties from 4 to 5 feet. For running varieties, use 3½ to 4 pounds of seed per acre; bush varieties require 6 pounds of seed per acre.

A handful of tobacco dust thrown close to the plants will repel the squash vine borer. The only way to control the large black squash bug is by hand picking. For yellow striped beetle and blight, spray often with Sheps Spray, Evergreen, Bordeaux or Arsenate of Lead.

## SUMMER VARIETIES

**595. ★GIANT YELLOW SUMMER CROOKNECK**—This strain is equally as early as the common small-fruited variety, while the squashes grow to much larger size, measuring from 18 inches to 2 feet in length. A great favorite with market gardeners. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.10, prepaid.

**596. EARLY WHITE BUSH SCALLOPED**—The plants are of true bush growth, producing fruits early in the summer, which are clear, waxy white; excellent for table use. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.

**603. GOLDEN CUSTARD**—The fruits are large, flat and the edges scalloped, and inclined to be a little warted. The vines are bushy, and produce heavily. Quality is very fine. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00, prepaid.



White Bush—Hubbard—Kitchenette.

## WINTER SQUASH

**598. ★CHICAGO WARTED HUBBARD**—The ideal winter squash for the home or the market. This strain of the well known Hubbard was produced by careful selection of large, dark green, very warted specimens of the old variety. The vine has a strong, robust growth. The fruits are large, handsomely shaped, with dark green, heavily warted skin and with flesh of bright orange yellow color, fine grained, dry and of sweet, rich flavor. Pkt. 8c, oz. 15c, ¼ lb. 50c, lb. \$1.75, prepaid.

**599. HUBBARD**—The original Hubbard; is similar to the above, but smoother and not quite so large. Pkt. 8c, oz. 12c, ¼ lb. 40c, lb. \$1.50, prepaid.

**605. ★TABLE QUEEN OR DES MOINES**—A new dwarf squash, second to none in quality and most popular with the housewife. A prolific squash of delicious flavor and fine cooking quality. The dark green fruits are a nice size to handle and to serve, 6-8 inches long and 4-6 inches in diameter. Each squash is cut in half and serves two people. Table Queen ripens in the fall. Pkt. 8c, oz. 15c, ¼ lb. 50c, lb. \$1.75, prepaid.

**608. MIXED SQUASHES**—A good mixture to sow in the small garden, as it contains some of all of the above varieties, summer squashes, Hubbard, and the giant sorts grown for stock or exhibition purposes. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c, prepaid.

**607. KITCHENETTE**—A new Dwarf Hubbard from the Minnesota Experiment Station that combines the better qualities of several varieties. Has the size of the Table Queen, the delightful flavor of the Delicious, keeping qualities and yield of Hubbard. Kitchenette runs 5 to 7 pounds. The quality is splendid—it cooks up mealy and dry, with a delicious nutty flavor. Just the right size for average family use and a favorite with market gardeners. Pkt. 8c, oz. 15c, ¼ lb. 50c, lb. \$1.75, prepaid.



Table Queen or Des Moines.

**600. GOLDEN HUBBARD**—This is a true Hubbard squash, except in color, which is orange red. The fruits are very uniform in size, weighing from 6 to 8 pounds, and in shape are like the Hubbard. Although in condition for use much earlier, they are wonderfully long keepers. The flesh is a deep orange and uniformly so to the shell; it cooks very dry, is fine grained and well flavored. Pkt. 8c, oz. 12c, ¼ lb. 40c, lb. \$1.50, prepaid.

**602. MAMMOTH WHALE**—This is the "Jumbo" of the squash family and attracts attention wherever grown or exhibited. It is an extra large fruited sort, frequently attaining more than 100 pounds in weight. The skin is dark olive green, with stripes of a lighter tinge. Flesh firm and solid, beautiful orange yellow and of excellent quality. Pkt. 8c, oz. 12c, ¼ lb. 40c, lb. \$1.50, prepaid.

# PUMPKIN

An ounce will plant 50 hills, 4 lbs. per acre.

**565. SUGAR PIE**—This is a small, sweet pumpkin, very fine grained, and most deliciously sweet-flavored. It is a splendid keeper all through the winter. The fruits average about 10 inches in diameter, are of a round, flattened shape, deep orange-yellow color, and very attractive. Succeed in any location. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, prepaid.—Not prepaid, 5 lbs. \$2.50.

**572. CONNECTICUT FIELD**—An immensely productive, large orange colored field pumpkin, usually grown for stock feeding, but also making good pies. This variety is also known as the Large Cheese Pumpkin. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 50c, prepaid.—Not prepaid, 5 lbs. \$2.00, 10 lbs. \$3.75.

**573. KENTUCKY FIELD**—Of large size, about 2 feet in diameter, round, flattened, hardy and productive. A fine sort for family and market use. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 50c, prepaid.—Not prepaid, 5 lbs. \$2.00, 10 lbs. \$3.75.

**574. MAMMOTH KING OR JUMBO**—Form like that of an immense nutmeg muskmelon with depressed ends slightly ribbed; the fruits sometimes grow 3 feet or more in diameter and weigh over 100 lbs. Have salmon colored skin and bright yellow flesh, fair quality; good winter food for stock. Pkt. 8c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

**576. PRIZE COLLECTION MIXTURE**—A mixture of the best varieties described above, all shapes and sizes, large and small. This collection is sure to please and give surprising results. Just the thing for growing varieties to exhibit at county or state fairs. There is bound to be a prize winner in the collection. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 50c, prepaid.—Not prepaid, 5 lbs. \$2.00.

Former Seed & Nursery Co.

The seed and the service that I got from you thus far was very satisfactory and in the future I intend to buy my seed from you exclusively. I find your prices fair and the quality of your stock exceptionally good.—Harold C. Heckel, Appleton, Wis.



Sugar Pie Pumpkin.

Former Seed & Nursery Co.

You will find enclosed, my order and check for \$22.25, for garden seeds. I gave your seeds a trial last year and found them to be satisfactory in every way, so am giving you a larger order this year. This some order from my former seed house would have cost me \$42.00. I have confidence that I will get as good seeds from your company. I am not looking for something cheap but I want the best seeds that I can buy at as reasonable a price as I can get them.—F. P. Wiles, Ft. Dodge, Iowa.



# SWEET CORN

One pound of seed will plant 100 hills; use 12 pounds per acre.

**CULTURE**—A rich warm soil will give the best results, but excellent Sweet Corn can be raised on any good soil if the ground is deeply and thoroughly worked before planting.

Plant in hills 3 to 3½ ft. apart each way or sow in rows 3½ ft. apart, placing the seed about 8 inches apart in the rows. The first planting may be done as soon as danger of frost is past; for succession, plant every two weeks until July. Give frequent and thorough but shallow cultivation.

## EARLY VARIETIES

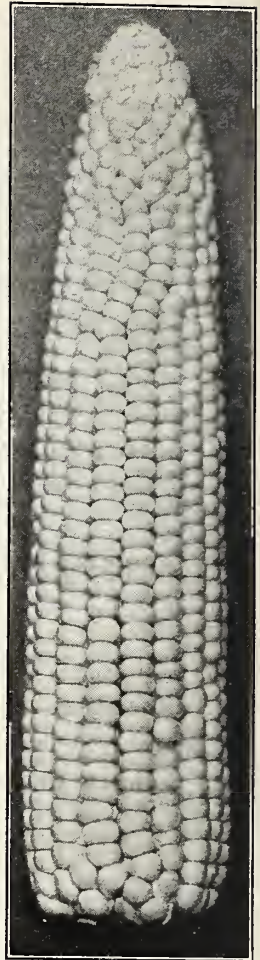
**228. NEW EXTRA EARLY GOLDEN GEM**—The very latest origination from the North Dakota Agricultural College, where Prof. F. A. Yaeger has again scored a triumph. Now the long looked for time when luscious corn on cob may be enjoyed has been advanced 17 to 24 days, for Golden Gem is ready that much earlier than its grandparent, Golden Bantam. The stalks stand 4 ft. high and produce an average size ear with 8 rows of fine quality Yellow Sweet Corn. Golden Gem is a selection from a cross of Early Sunshine and Early Pickaninny. Early Sunshine was a cross of Golden Bantam and an early White Corn. Trials have shown the number of ears per acre of Golden Gem to exceed those of Golden Bantam. We offer Golden Gem in limited quantities only as the seed supply is very limited. Pkt. 10c, ½ lb. 25c, lb. 45c, 2 lbs. 75c, prepaid.—Not prepaid, 5 lbs. \$1.50, 15 lbs. at 25c per lb.

**223. EARLY SUNSHINE**—An outstanding new variety of yellow corn, of exceptional merit. It was originated by Prof. Yaeger, of the North Dakota Agricultural College. The ears are bigger than those of Golden Bantam, are 16-rowed, and of deliciously rich flavor, light yellow in color. Sunshine is ready for use 6 to 10 days earlier than Bantam. The stalks are quite dwarf, with the ears set only 2½ to 3 feet from the ground, usually 2 ears to a stalk. See first inside cover for illustration.

Our seed was produced from seed stock obtained from the originator, and is true to name. 2¼ oz. pkt. 10c, ½ lb. 20c, lb. 30c, 2 lbs. 55c, prepaid.—Not prepaid, 5 lbs. \$1.00, 15 lbs. and more at 18c per lb.

**226. GOLDEN BANTAM**—To most home gardeners, sweet corn means Golden Bantam. It is only a few days later than Mammoth White Cory. The ears are borne 2 or 3 to a stalk, on stalks about 4 feet high. They are quite small, 5 to 7 inches long, with 8 rows of deep golden yellow kernels. Golden Bantam is the richest and sweetest of all sweet corn.

The seed we offer is grown from specially selected stock, and is all produced in Rice and the adjoining counties. It is therefore much hardier, earlier in maturing, and of finer quality and flavor than sweet corn grown elsewhere. Pkt. 5c, ½ lb. 15c, lb. 25c, 2 lbs. 45c, prepaid.—Not prepaid, 5 lbs. 85c, 15 lbs. or more at 15c per lb.



Stowell's Evergreen.



Golden Bantam, The Most Delicious Yellow Sweet Corn.

**230. ★MAMMOTH WHITE CORY**—The largest and best early variety. Each stalk produces two or more large, fine shaped ears, which are fit for use before those of any other large sorts. The ears are 12-rowed, very symmetrical and handsome, with no openings between the rows at the base. The kernel is large, broad, very white and of remarkably good quality. The best variety for the northern garden, and now extensively grown for early corn by market gardeners in this state. Pkt. 5c, ½ lb. 15c, lb. 25c, 2 lbs. 45c, prepaid.—Not prepaid, 5 lbs. 85c, 15 lbs. or more at 15c per lb.

**231. EARLY MINNESOTA**—This old and deservedly popular variety is one of the best early sorts for the market and private garden. The stalks grow about 5 feet high, bearing one or two ears, which are long and 8-rowed. Kernels are very broad, sweet and tender, not shrinking much in drying. Our stock will be found uniform and of the best quality. Pkt. 5c, ½ lb. 15c, lb. 25c, 2 lbs. 45c, prepaid.—Not prepaid, 5 lbs. 85c, 15 lbs. or more at 15c per lb.

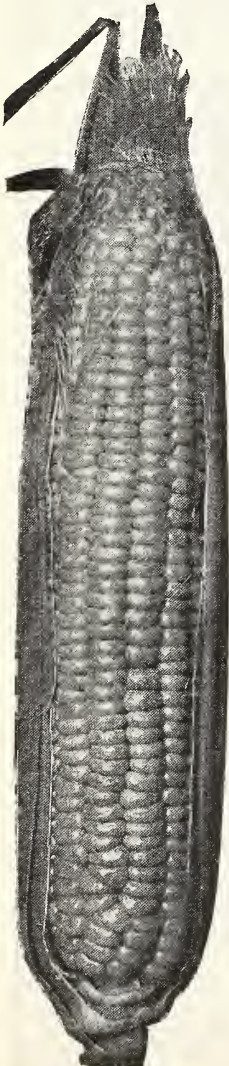
### NO. 244—OUR "ALL SUMMER LONG" SWEET CORN COLLECTION.

Now you can pick fresh Sweet Corn throughout the summer and how good that flavor can be if picked just an hour before using. It's easy to arrange this at planting time, and to help you here is a collection that may be planted at the same time and will keep your table supplied with the finest Sweet Corn all summer.

- |   |   |
|---|---|
| No. 1—Early Golden Sunshine. Extra early. | } 1 pkt. of each of these 3 varieties.....18c, prepaid. |
| No. 2—Golden Bantam. Medium early.        |   |
| No. 3—Stowell's Evergreen. Late.          |   |
|   | } ½ lb. of each of these 3 varieties.....45c, prepaid.  |
|   | } 1 lb. of each of these 3 varieties.....80c, prepaid.  |

### TREAT SWEET CORN WITH BAYER SEMESAN JR.

Protects seedlings against diseases in the soil, stimulates germination and prevents rot and blight. We will be glad to treat seed for particular growers with Semesan. The added cost will be but 5c per pound for treating Cabbage or Onion Seed, and 2c per pound for Sweet Corn or Peas. Semesan kills harmful disease organisms on the seed, controls damping-off and promotes a good stand. See page 79.



Early Sunshine.

### GOPHER KILL-EM-QUICK

A quick acting poison that kills gophers instantly. Protect your corn and other crops with Kill-Em-Quick. Economical and simple to use. Price: Small size 60c, large size \$1.10, ppd.

### POCKET GOPHERS

They may damage your entire planting in 24 hours. It's easy to control them with a "Sure Catch" Pocket Gopher Trap. Results guaranteed, or your money back. 85c, prepaid. See page 82.



# SWEET CORN—Late Varieties

**242. ★STOWELL'S EVERGREEN**—Recognized everywhere as the standard variety for market and home use. Remains longer in the green state than most other sorts. Very large ears with deep and remarkably sweet grains. Our stock is of the best quality grown from selected ears. 2¼ oz. pkt. 8c, ½ lb. 20c, 1b. 30c, 2 lbs. 50c, prepaid.—Not prepaid, 5 lbs. \$1.00, 15 lbs. and more at 18c per lb.

**243. COUNTRY GENTLEMAN**—One of the sweetest and most delicious of all sweet corn. It is extremely productive, the stalks averaging three ears, sometimes having as many as five. The small, irregular kernels are very deep and pure white in color. Ears average 9 inches in length. 2¼ oz. pkt. 10c, ½ lb. 25c, 1b. 35c, 2 lbs. 65c, prepaid.—Not prepaid, 5 lbs. \$1.25, 15 lbs. and more at 20c per lb.

## EVERGREEN SWEET FODDER CORN

This variety will grow 9 to 10 feet high and produce a great amount of fodder, which is equal to the best hay. It will increase the production of milk wonderfully, when fed to dairy cows. Stalks are sweet, tender, juicy, and nutritious, with large broad leaves produced in great abundance. Lb. 20c, prepaid.—Not prepaid, 5 lbs. 75c. See Blue Figure Price List for larger quantities.

# Northern Grown Pop Corn

Pop corn is a profitable crop and one that is always easily disposed of, because of the large demand for corn for popping. It yields well even in unfavorable corn seasons. It is an excellent crop for the boys and girls to grow, and yields almost as much good fodder as field corn.

Plant 12 pounds to the acre, in drills, or use 6 pounds if planted in hills. Plant in rows 3 feet apart, dropping the seed 1½ feet apart in the rows. We have discarded all but the outstanding varieties of Pop Corn and proven money-makers. Such old timers as White Rice and White Spanish cannot compete in quality and flavor with the newer introductions.



“Farigold”—The New Sensation, in a Class by Itself.

## HERE IS THE POP CORN SENSATION OF THE AGE

# FARIGOLD

and tender. The ears are much larger than other varieties—7 to 9 inches long and the kernels are golden yellow color. It is the most profitable variety to grow as it produces more bushels per acre on account of its large ears. This Pop Corn is of South American origin. We have successfully matured our own special seed crop here in Minnesota so that the seed we offer will mature earlier. S. A. Yellow Pop Corn can not be equalled for popping quality—it pops almost double volume of bulk of other varieties and therefore is in great demand by poppers, or for home consumption. We offer below our Popping Corn (southern grown) at a reasonable price and suggest that you order a few pounds immediately for a real treat of popped corn.

No more wholesome or cheaper confection can be had than this delicious Pop Corn, and for so small a price. For planting purposes, however, make certain that you plant only our northern strain on account of its earlier maturity. The seed supply is limited so do not delay your order. **Northern Strain:** Pkt. 10c, ½ lb. 25c, 1b. 40c, 2 lbs. 70c, prepaid.—Not prepaid, 5 lbs. \$1.35, 15 lbs. and more, at 22c per lb.

## RIGHT NOW WOULDN'T YOU ENJOY A REAL POP CORN TREAT?

Up-to-date dealers in the Northwest are now selling Farigold Pop Corn, either in bulk or in our new cellophane packages. Be sure to ask for “Farigold” from Faribault, and give the family a real treat. Don't accept anything similar or just as good. Insist on Farigold. If your dealer cannot supply Farigold, we will send it direct to you at prices given below.

## RAPID FIRE POPPING CORN

Everybody likes Pop Corn—you can't eat too much and it is the least expensive of all confections. Serve pop corn balls, crackerjack, sugar corn, or just well buttered pop corn and provide a real treat on a few moments' notice. We recommend especially Farigold or Japanese Hulless—of fine flavor, exceptionally crisp and tender.

<b>PRICE, NOT PREPAID:</b>	5 lbs.	10 lbs.
“Farigold” So. Amer. Yellow, Southern Grown..	\$.075	\$1.25
Japanese Hulless .....	.60	1.00
Queen's Golden .....	.70	1.10

What is more enjoyable on a cold winter's evening than a good fire, an interesting book, the radio and plenty of crisp, buttered pop corn.

“Farigold” Pop Corn has been featured during the past several months over Station WCCO, St. Paul and Minneapolis. Thousands of listeners have heard of the fine quality of this pop corn through the Witt's Cooking School of the Air Programs—each Monday and Thursday morning, 10:15 A. M. Be sure to listen for these programs during the spring planting season.



Country Gentleman.

F. S. & N. Co.  
We have used your seeds for a number of years, first in Iowa, then here in Minnesota. We have always had fine success with your seeds. We tried Early Sunshine Sweet Corn last year and it was fine.  
Mrs. Ivar Ellefson,  
Duquette, Minn.



Japanese Hulless Pop Corn.



## TOMATOES

1 oz. for 1,500 plants— $\frac{1}{4}$  lb. to transplant an acre.

## CULTURE

Tomatoes thrive best in well fertilized, light sandy soil, in a sunny open position. For early plants, sow the seed in flats or hotbeds, in March. Cover with soil to a depth of  $\frac{3}{4}$  or 1 inch. The seed germinates in 6 to 12 days. When the plants are 3 inches high, transplant them to other flats, or preferably to paper pots, giving each plant 4 inches of room. About the end of May, set the plants out in the garden, 3 feet apart each way. Water well and cultivate often, as long as the vines permit. It is always better to stake the vines and tie them up, pinching off some of the stems. The plants will bear more abundantly, and the fruit is kept off the ground.

**610. ★FARIBAULT DWARF CHAMPION**—An improved strain of the old Dwarf Champion, of vigorous growth and fine flavor. Because of its compact and upright habit of growth, enabling close planting, this is a great favorite with owners of small gardens. The tomatoes are of good size, like those of Ponderosa, deep purplish crimson, firm and sweet, very meaty and with few seeds. One of the best sorts for canning, ketchup, soup, etc. Plants grow strong,

erect and bushy, and bear throughout the season. Pkt. 10c,  $\frac{1}{2}$  oz. 20c, oz. 35c,  $\frac{1}{4}$  lb. \$1.25, prepaid.

**611. ★SCARLET EXTRA EARLY JUNE**—This tomato ripens a whole week earlier than Earliana, and is very productive. Fruits are of large size for an early sort, deep glossy scarlet, and ripen uniformly, the stem end coloring up perfectly. Flavor is delicious, fruit is firm and meaty, with few seeds. A real quality tomato valuable for the home garden and truck gardener. Pkt. 10c,  $\frac{1}{2}$  oz. 25c, oz. 40c,  $\frac{1}{4}$  lb. \$1.40, prepaid.

**612. ★SPARK'S EARLIANA**—Next to our Scarlet Extra Early June, this is the earliest smooth bright red tomato of good size. Plants are compact in growth, with short, close-jointed branches, setting fruit very freely. Tomatoes are solid, fleshy, and excellent for shipping. Pkt. 5c,  $\frac{1}{2}$  oz. 15c, oz. 25c,  $\frac{1}{4}$  lb. 75c, prepaid.

**615. NEW BREAK O'DAY**—A new extra early disease-resistant tomato. Bred by the U. S. Dept. of Agriculture. It is a cross between Marglobe and Marvona, the aristocrats of the tomato family. As a result, Break O'Day is earlier than Bonny Best—is disease-resistant—a true globe-shaped tomato and a variety every market gardener or home gardener will want. The color is scarlet—matures in 120 to 130 days. Seed supply limited. Pkt. 15c,  $\frac{1}{4}$  oz. 25c,  $\frac{1}{2}$  oz. 45c, 1 oz. 80c,  $\frac{1}{4}$  lb. \$2.25, prepaid. See first inside cover page.

**626. F. S. & N. CO'S STONE**—More largely grown than any other variety. Very popular with canners and market gardeners everywhere. We recommend this variety to all who want a large, smooth, late variety for the main crop. Fruits are of bright scarlet color, very large, round, slightly flattened and very smooth. Pkt. 5c,  $\frac{1}{2}$  oz. 15c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.25, prepaid.

F. S. & N. Co. March 2, 1931.  
I'll send for more seeds later—surely have had good luck with the tomatoes. I was the only one who had ripe ones in this community for the last few years.  
Louis Schuman, Birchwood, Wis.



Faribault Dwarf Champion.

**616. NEW OXHEART**—A novelty of real merit. In shape, it's different from any other Tomato—of great size, very thick flesh and almost seedless. The fruit is smooth, pink in color and its inch thick flesh makes it very desirable for slicing or canning. Oxheart is a heavy yielder also, and every home garden should have at least a few of these unusual tomatoes. Pkt. 15c,  $\frac{1}{4}$  oz. 30c,  $\frac{1}{2}$  oz. 50c, 1 oz. 90c,  $\frac{1}{4}$  lb. \$2.50, prepaid. See front cover.

**613. ★NEW MARGLOBE**—This fine, new tomato was bred to resist wilt. It is therefore of special value in all sections where wilt is prevalent. The plant is very vigorous, with a strong, hardy stem and abundant dark green foliage. It is a heavy producer, setting most of the fruit at the center of the plant. Fruits are bright scarlet, quite large, average 7 to 8 ounces in weight and are almost perfectly globe shaped. The flesh is firm, thick and sweet, being very mildly acid, which fact makes it a most desirable tomato for table use and for canning. Pkt. 10c,  $\frac{1}{2}$  oz. 20c, oz. 35c,  $\frac{1}{4}$  lb. \$1.25, prepaid.

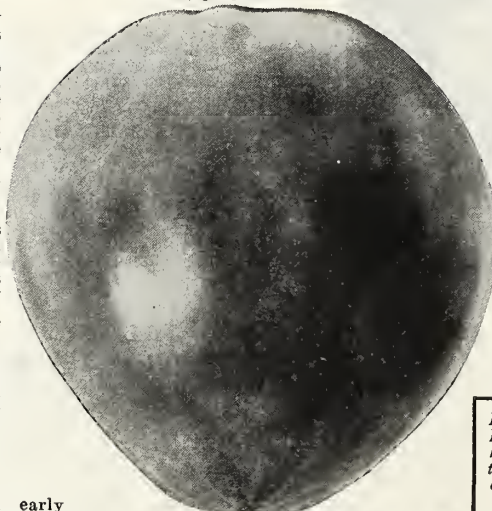
**628. ★JOHN BAER**—A splendid early tomato, one of the very best in cultivation, producing bright red solid fruit early in season. It is enormously productive, often bearing 10 fruits in a cluster. Tomatoes are solid and meaty, with few seeds, and ripen right up to the stem, even when they are dead ripe, they do not burst open. The flavor is deliciously sweet and mild. This variety stands shipping and marketing well, and is also one of the most desirable for the home garden. Pkt. 8c,  $\frac{1}{2}$  oz. 20c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.75, prepaid.

**635. BONNY BEST**—About as early as Earliana, and a most prolific bearer, as it sets 12 to 15 globe-shaped scarlet fruits in the crown of the plant, which are all of the same size. It is a most desirable sort to grow for market, as it grades so evenly and ripens up evenly to the stem, without crack or black spot. Pkt. 8c,  $\frac{1}{2}$  oz. 20c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00, prepaid.

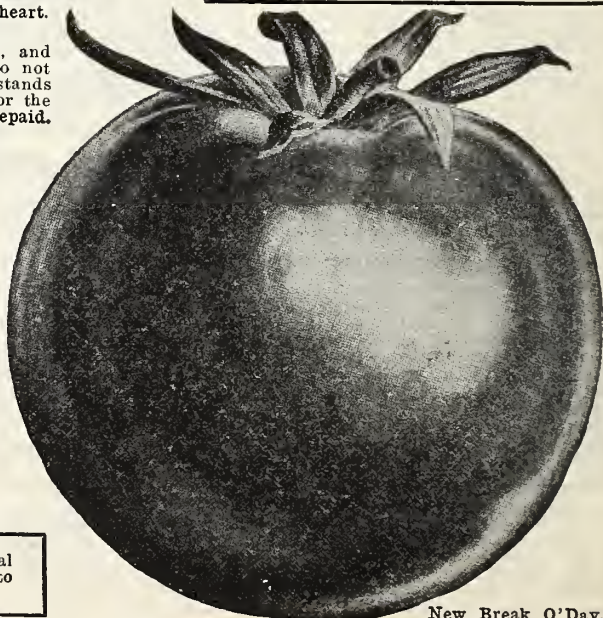
**614. ★BURBANK**—A wonderful early variety that is blight resistant and a heavy yielder. Tomatoes are bright crimson, heavy and firm, medium to large in size, and very smooth. The skin is thick and peels freely from the flesh without scalding. There are no open cavities, and the seeds are few and small. The flesh is thick and solid, almost like Beefsteak, and of fine, mild flavor. As a salad tomato, for eating raw, and for the market, Burbank has few equals. Pkt. 8c,  $\frac{1}{2}$  oz. 20c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, prepaid.

**638. ★COLOSSAL**—An immense handsome tomato ripening medium early. It is bright red, of truly mammoth size, often weighing 2 $\frac{1}{2}$  pounds, round and smooth. Flesh is firm, solid and of finest quality and flavor, with very small core, making it one of the best for slicing. It is also one of the best for canning on account of being so nearly free from acid. Pkt. 10c,  $\frac{1}{2}$  oz. 40c, oz. 75c,  $\frac{1}{4}$  lb. \$2.50, prepaid.

Tomatoes are richest of all vegetables in vitamins—they rival oranges in health-giving properties—and are the only vegetable to retain all vitamins after cooking.



New Oxheart.



New Break O'Day.



# TOMATOES

**636. CRIMSON CUSHION OR BEEFSTEAK**—Very large, round, and uniform, bright scarlet in color. Flesh is solid and meaty, of deliciously mild flavor, with only a few small seed cells. The vines grow from 8 to 10 inches high, and may be trained or tied to a trellis, forming a most ornamental fence for the vegetable garden. If planted early, Beefsteak will ripen by the middle of July, and continue to bear until killed by frost. Pkt. 10c, 1/2 oz. 25c, oz. 40c, 1/4 lb. \$1.40, prepaid.

**639. GIANT PONDEROSA**—The largest tomato grown, crimson purple in color. A splendid sort for home use and canning, as the fruits are so solid, meaty, and free from acid. It ripens quite early, and bears all summer, until very late. Vines are vigorous and strong. We consider this one of the very best tomatoes grown. Pkt. 10c, 1/2 oz. 25c, oz. 40c, 1/4 lb. \$1.40, prepaid.

**640. GOLDEN QUEEN**—A fine large yellow sort that ripens evenly. Fruit is smooth, of good quality and flavor. This tomato is fine for the home garden, for salad and yields heavily. Pkt. 8c, 1/2 oz. 20c, oz. 35c, 1/4 lb. \$1.25, prepaid.

**642. GOLDEN PONDEROSA**—A beautiful salad tomato, of the same size, shape and habit of growth as the red Ponderosa, but a clear golden yellow. It is particularly attractive served with the red variety, in salads. The fruits are massive, firm and solid, very mildly acid, and of delicious flavor. Its fine quality is bringing it into popular favor as a table variety, and it is worthy of a place in every garden. Pkt. 10c, 1/2 oz. 25c, oz. 40c, 1/4 lb. \$1.40, prepaid.

**653. GROUND CHERRY OR HUSK TOMATO**—The small yellow fruits are enclosed in husks, and are very sweet, with a strawberry-like flavor. They make delicious preserves, combined with oranges, lemons, or ginger, and, are sometimes dried in sugar, like raisins. Seed germinates very slowly. Pkt. 8c, 1/2 oz. 20c, oz. 35c, 1/4 lb. \$1.40, prepaid.



Giant Ponderosa.  
One of the Largest Prize-Winning Sorts.

Farmer Seed & Nursery Co.  
*Your seeds are excellent—last year we had such little rain but had a fine garden and such lovely tomatoes. Thanking you for years of faithful service and trusting to hear from you soon. Yours truly,  
Mrs. Val H. West, Thompson, N. D.*

Feb. 6, 1931.

## TRANSPLANTED TOMATO PLANTS

The following varieties ready for shipment in May and June: Earliana, Ponderosa, Faribault Dwarf Champion, John Baer, Marglobe, Oxheart. 12 for 35c, 100 for \$2.25, prepaid.—Not prepaid, 1,000 for \$15.00.

For Cabbage, Cauliflower, Celery, Chives, Ground Cherry, Pepper, Sweet Potato and Egg Plants, see page 27.

# TURNIPS AND RUTABAGAS

One ounce will sow 125 feet of drill, two pounds per acre in drills, three pounds broadcast. Please order by name and number.

**CULTURE**—Turnips and Rutabagas do best in highly enriched, light loam soil. In rich soil and cool weather, they grow rapidly, without becoming bitter in flavor. Sow in April, in drills 12 to 15 inches apart, and thin out to stand 8 inches apart in the row. Rutabagas keep much longer than Turnips, otherwise there is but little difference in flavor.

**681. ★EXTRA EARLY PURPLE TOP MILAN TURNIP**—Like White Milan, except that the roots are purple on the upper portion. The Milan turnips are some of the very best extra early garden varieties we have. Pkt. 5c, oz. 15c, 1/4 lb. 30c, lb. 90c, prepaid. 5 lbs. at 80c per lb. not prepaid.

**683. WHITE EGG TURNIP**—An early variety, adapted for either spring or fall sowing. It is perfectly smooth, with a clear white skin and flesh, and grows half out of the ground. A very fine kind for table use, being of excellent flavor, mild and sweet; roots look like huge white eggs. Six hundred bushels have been raised on an acre as a second crop. Pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 60c, prepaid. 5 lbs. at 50c per lb., not prepaid.

**685. PURPLE TOP WHITE GLOBE TURNIP**—The most popular market turnip. Roots are of globular shape, and good size, and in appearance are the best of all varieties. The flesh is firm, fine grained, white and of excellent flavor. It is a fine keeper and as desirable for table as for stock. Pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 60c, prepaid. 5 lbs. at 50c per lb., not prepaid.

**686. ★EARLY PURPLE TOP STRAP LEAVED TURNIP**—A good flat variety, quite early, only about a week later than the Milan. Roots flat, medium sized, of purple or dark red color above the ground and white below; flesh white, fine grained and tender; leaves few, upright in growth. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 75c, prepaid. 5 lbs. at 60c per lb., not prepaid.

**698. ★IMPROVED AMERICAN PURPLE TOP RUTABAGA**—Uniform in shape and fine quality, and is a splendid keeper. The roots grow to a large size, have small tops, short necks, and smooth skin; flesh is beautiful yellow, fine grained, very sweet, tender and of excellent flavor. This is about the best and most profitable variety, both for table use and stock feeding. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 75c, prepaid.—Not prepaid, 5 lbs. and more at 60c per lb.

**699. WHITE OR SWEET RUSSIAN RUTABAGA**—Very desirable either for the table or for stock. The tops are small, with leaves cut at the edges. The roots are very large, nearly globe shaped, color white with green or bronze at the top. Flesh white, very firm and sweet. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 75c, prepaid.—Not prepaid, 5 lbs. and more at 60c per lb.

**700. YELLOW MAMMOTH RUTABAGA**—A large size root of good shape, a heavy yielder and very hardy. One of the most profitable to grow. Keeps well. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 75c, prepaid.—Not prepaid, 5 lbs. and more at 60c per lb.



Improved Purple Top Rutabaga.

## WE FEEL ESPECIALLY PROUD OF THIS ONE

Farmer Seed & Nursery Co.

*Your catalog is one of the most instructive and best I have seen this season. There can be no doubt but that your House will live up to the high recommendation which the Agricultural College of Minnesota University has sent to me, namely, one of the most reliable seed houses in Minnesota.—Maurice J. Connor, Omaha, Neb.*



## HERBS AND MISCELLANEOUS VEGETABLES



New York Improved Egg Plant.

**KOHLRABI**

Roots grow above the ground, and are cooked like turnips, but are of much milder, more delicate flavor, and very tender. Sow in drills 18 inches apart, and thin to stand 4 or 5 inches apart in the rows.

**311. EARLY WHITE VIENNA**—Very handsome, white fruit. Excellent both for forcing and open ground; flesh white and very tender; leaves short. Pkt. 10c, oz. 20c, ¼ lb. 60c, lb. \$2.00, prepaid.

**LEEK**

A species of onion, valuable for flavoring soups, of more delicate flavor than the onion. Sow as early in spring as practicable, in drills 1 inch deep and 18 inches apart; the plants should be thinned to stand 4 to 6 inches apart in the row. When 6 or 8 inches high transplant in rows 10 inches apart each way, as deep as possible, that the neck may be blanched. The ground can hardly be made too rich. One ounce of seed will sow 100 feet of drill.

**211. LONDON FLAG**—The variety generally cultivated. It is hardy and of good quality. Pkt. 10c, oz. 20c, ¼ lb. 65c, lb. \$2.10, prepaid.

**BORECOLE OR KALE**

Borecole, Kale, and Greens are cabbage-like plants which form no heads, but are used like spinach, for fall, winter and spring greens. Sow the seed in June, and transplant to rows from 2 to 2½ feet apart. The dwarf Kale can be sown later, and need not be transplanted. Frost improves the flavor and quality.

**75. DWARF GREEN CURLED**—Plant is low and compact with large, bright green leaves, curled, and wrinkled. A healthy vegetable, and one of the most palatable when well cooked. Pkt. 10c, oz. 15c, ¼ lb. 35c, lb. \$1.00, prepaid.

**BRUSSELS SPROUTS**

**70.** One of the most delicious vegetables for winter use, of mild cabbage flavor. Plants grow quite tall, the stems being covered with tiny cabbage-like sprouts, that are firm and hard. Cook the small heads and serve with butter or a cream sauce.

Start the seed indoors, the same as cabbage, and transplant to the garden in May. Pkt. 10c, oz. 20c, ¼ lb. 60c, prepaid.

**MUSHROOM SPAWN**

American Pure Culture—This spawn is obtained by selecting spores from individual specimen mushrooms, and is propagated and transferred to bricks of manure, which will produce mushrooms true to type with exceptional uniformity and regularity. Bricks weigh about 1½ lbs.; a brick will spawn a bed 10 feet square. Pamphlet on mushroom culture with every order.

To grow mushrooms on the lawn, break up the brick of spawn into inch square pieces. Have ready some fresh horse manure, and place a trowel full under the sod at intervals about the lawn. Put a piece of spawn on the manure, and replace the sod. Do this in May. After the warm rains, the lawn will be full of mushrooms.

Price: Brick, 40c, prepaid.—Not prepaid: 5 bricks, \$1.65; 10 bricks, \$2.75.

**HERBS FOR SEASONING**

Herbs are essential for flavoring and seasoning; their proper use is the secret of many a good cook's success. They can be used fresh during the summer. For winter use, dry the young stems and leaves, tied in bunches. Store in Mason jars, to keep out air and dust.

**660. GARAWAY**—Grown for the seeds, which are used for flavoring. Pkt. 10c, oz. 25c, prepaid.

**661. CHIVES**—Used for seasoning. Of mild onion flavor. Pkt. 10c, ½ oz. 35c, oz. 50c, prepaid.  
For CHIVE PLANTS. See page 27.

**663. DILL**—Seeds have an aromatic odor and pungent taste. Is used for pickles. Pkt. 10c, oz. 15c.

**664. LAVENDER**—An aromatic herb. Much used to perfume linens. Pkt. 10c, oz. 50c.

**671. MARJORAM**—The young, tender tops are used green for flavoring, or they may be dried for winter use, for flavoring broths, dressings, etc. Pkt. 10c, oz. 40c, prepaid.

**674. SAGE**—The leaves and tops are used very extensively for seasoning. Pkt. 10c, oz. 35c.

**675. SUMMER SAVORY**—A hardy annual. The dried stems, leaves and flowers are fine for flavoring soups, dressing, etc. Pkt. 10c, oz. 30c.

**676. THYME**—The young leaves and tops are used for seasoning soups, in dressings, etc. Pkt. 10c, oz. 50c.

**MUSTARD**

**315. WHITE ENGLISH**—Leaves are comparatively smooth and deeply cut; color medium dark green. Mustard leaves are used as a salad, or cut and boiled like spinach. Seed is used for flavoring, in pickles, etc. Pkt. 10c, oz. 15c, ¼ lb. 25c, lb. 75c, prepaid.

**EGG PLANT**

1 oz. for 1,000 plants.

Seed should be sown in hotbed or greenhouse in March or April, and when about an inch high, pot in 2 or 3-inch pots. Plant out about June first, 2½ feet apart each way.

**300. ★NEW YORK IMPROVED LARGE PURPLE SPINELESS**—The plants are large, vigorous, spreading, and the fruits are very large, oval, of glossy, dark purple color; usually 4 to 8 fruits are produced by a plant. Pkt. 10c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.35, prepaid.

**302. BLACK BEAUTY**—Desirable for the northern states. Earlier than New York Spineless. The fruits are broad, thick, of most attractive form and finest flavor. Their rich, lustrous, purple color is very uniform. Pkt. 10c, ½ oz. 25c, oz. 40c, ¼ lb. \$1.35, prepaid.

**ENDIVE**

**305. ★WHITE CURLED**—A very beautiful sort of which the leaves are very light colored, even the outer ones being nearly white. They are crisp and tender. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

**307. BATAVIAN**—Large heads of broad, thick leaves, which can be blanched as salad or used for cooked greens. A very fine variety. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25, prepaid.

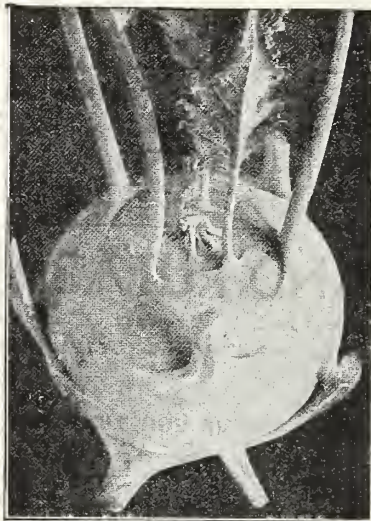
CHIVE PLANTS. See page 27.

CRESS. See page 6.

GOURDS. See page 10.

GROUND CHERRY. See pages 25 and 27.

HORSE RADISH. See page 27.



Kohlrabi Early White Vienna.



Grow Mushrooms on your lawn.

Mushrooms from Spawn.



# VEGETABLE ROOTS AND PLANTS

We can supply good healthy transplanted plants of all the varieties listed below, in their proper season. Packing charges are included in the prices given. As soon as the transplants are taken from the flats in the greenhouse they are wrapped in moist moss and covered with oil paper, and mailed at once. Prices on plants in 1,000 lots are for seedlings. Special varieties can be grown for you if ordered early.

## TRANSPLANTED VEGETABLE PLANTS

	Postpaid Dozen	100	Not Ppd. 1,000
CABBAGE, Early. Ready in April and May. Jersey Wakefield, pointed head; Copenhagen Market, flat head.....	\$0.30	\$2.00	\$12.00
CABBAGE, Late. Ready in June. Hollander or Danish Ball-head, Premium Late Flat Dutch.....	.30	2.00	12.00
CAULIFLOWER. Ready in April and May. Snowball.....	.35	2.50	15.00
CELERY, Early. Ready in June. White Plume, Golden Self Blanching .....	.35	2.00	12.00
CHIVES. Ready in April. Per bunch, about 1 doz. plants 30c. Per dozen bunches.....	1.75		
EGG PLANT. Ready in May and June. New York Purple....	.50		
GROUND CHERRY. Ready in May and June.....	.45	3.25	
PEPPER. Ready in May and June. Bull Nose, Harris E. Giant, California Wonder .....	.40	3.00	
SWEET POTATO PLANTS. Ready in May and June.....	.40	2.25	13.00
SAGE. Ready in May and June. 6 for 30c, 12 for 50c.			
TOMATOES. Ready in May and June. Earliana, Ponderosa, Bonny Best, Faribault Dwarf Champion, John Baer, Marglobe, Oxheart .....	.35	2.25	15.00

ONION SETS AND GARLIC BULBS on page 15.

## FLOWERING PLANTS

Aster Plants, American Giant Branching, all colors mixed. Long stems, finest large flowers for cutting. 40c per doz., 100 plants \$2.50, prepaid.  
 Pansy Plants, Giant Masterpiece, all colors mixed. Striped, spotted, bordered and fringed, rich textures. 50c per doz., 100 plants \$3.50, prepaid.  
 Petunia, Salvia, Snapdragon or Zinnia Plants in best varieties. 40c per doz., 100 plants \$2.50, prepaid.  
 For House Plants, Porch and Window Box Plants, see pages 44-45.  
 For Strawberry Plants, see page 30.

## RHUBARB OR PIE PLANT

Rhubarb should be in every garden, as it affords the earliest sauces and pies in spring. Set roots out in spring or fall, in rows 4 feet apart, so the crowns are an inch below the surface. Do not pull stalks the first season. Plants set out in the spring will bear quite abundantly the following season. Fertilizing in the fall will be of great help to the next season's crop. Dressings of nitrate of soda in spring also produce splendid results as with Asparagus. Price: By mail, 3 for 30c, 12 for \$1.00, postpaid.—Not prepaid: 100 for \$5.50.



Frost Proof Cabbage.

## HORSE RADISH ROOTS MALINER KREN

The large white variety from Bohemia—much larger and sturdier roots than the common variety. Exceptionally fast grower and most profitable of all. Flesh pure white. By mail, 6 roots for 30c, 12 for 50c, 100 for \$2.50, prepaid.  
 Large Roots for Grating: 10 lbs. \$1.00, prepaid.—Not prepaid: 25 lbs. \$1.50, 100 lbs. \$5.00.

## ASPARAGUS ROOTS

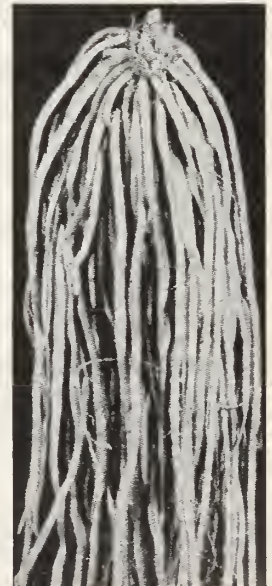
Asparagus is the earliest of all vegetables ready for use in spring, and one of the most delicious. It is easily grown, and once a bed is established, tender, luscious asparagus may be cut each year, for a life-time. It is also a most profitable vegetable to grow for market. The soil should be deeply dug, and plenty of fertilizer mixed in, before the roots are set out. Set the roots in rows 2½ to 3½ feet apart, 8 to 12 inches apart in the rows. The plants should be set so that the crowns are 2 inches below the surface. One-year-old plants are considered best for setting out.

## WASHINGTON

A new rust resistant variety, of large size and rapid growth. The most profitable asparagus to grow for market, as it is of fine flavor, tender, and very prolific. The tips are firm and tight, and do not open out until quite tall. They are dark green and thick, of beautiful appearance when bunched. Price: One-year-old roots, 25 for 55c, 50 for 90c, 100 for \$1.50, prepaid.—Not prepaid: 1,000 for \$10.00.

## COLUMBIAN MAMMOTH WHITE

A distinct white asparagus of strong, vigorous growth, producing thick white shoots, which remain white as long as fit for use, in favorable weather. The best for canning. Price: 25 for 45c, 100 for \$1.25, prepaid.—Not prepaid: 1,000 for \$9.00.



Washington Asparagus Roots.



Transplanted Tomato Plants.

## BERMUDA ONION PLANTS

Like the Cabbage Plants listed above, these are grown in Texas, under winter conditions that make them extremely hardy and vigorous. They will produce the finest flavored onions, of the delicate Bermuda type, pure white and mild, in just a short time. They are excellent to grow for green onions, early in spring, or they may be allowed to develop to their full size and used in the fall. If wanted for winter onions, specify Prizetaker or Valencia. They grow large and are fine for market.

We ship Onion Plants at proper time for setting out. We cannot take orders after May 1.

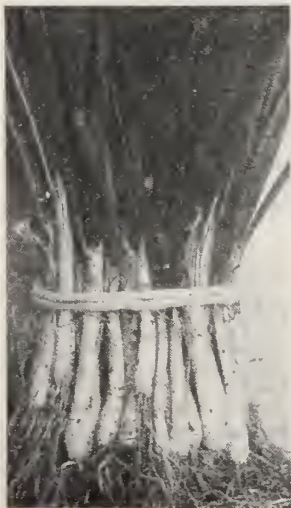
Prices: 200 plants 45c, 500 plants 80c, 1,000 plants \$1.25, prepaid. Case of 6,000 plants, \$4.50, not prepaid, weight 35 lbs.

## FROST PROOF CABBAGE PLANTS

These plants are extremely hardy, and produce the earliest cabbage, fully three or four weeks ahead of any other plants. They are grown in Texas, during the winter, when the weather is often freezing, enduring cold rains and sleet. They can be set out as soon as the ground can be worked, and are not injured by shipping or transplanting, as they make strong growth. They are cheap, profitable and sure to grow.

We offer the three best sorts, in bundles of 100 of a kind only, which cannot be divided. Prices include postage.

	Per 100	200	500	1,000
EARLY JERSEY WAKEFIELD.....	\$0.50	\$1.00	\$2.00	\$3.00
FLAT DUTCH.....				
COPENHAGEN MARKET.....				
		Not available after May 1.		



Bermuda Onion Plants.





## LAWN MAKING AND LAWN GRASS SEED

Almost any kind of soil that produces a good garden, farm crops, trees or shrubs, whether it is clay, sandy loam, or rich black muck soil, is suitable for establishing a lawn. Clear sand or gravel must be covered with at least 12 to 18 inches of good, rich loam or top soil; stiff clay can be improved by plowing under a heavy coating of coarse manure, or a crop of clover or small grain.

1. Prepare the soil thoroughly, plow deeply, rake until it is pulverized, leaving no lumps, but have a nice mellow seed bed.
2. Plow under plenty of good, rich, stable manure that is free from weeds, or a crop of green manure, or, better still, spread on a good commercial fertilizer (see Sacco, page 79) at the rate of 20 lbs. for every 1,000 square feet. Rake thoroughly into the soil.
3. If the soil is quite sour (this can be determined with Soiltex—See page 64), a light application of air flaked lime or crushed lime rock will be needed. Apply same as fertilizer, 20 lbs. for every 1,000 square feet.
4. Grass seed may be sown any time, but early spring sowing, before hot, dry weather sets in, is best. Sow the seed on a quiet day, or in the quiet of the early morning, before a rain if possible, at the rate of one pound to every 250 or 300 square feet, 80 to 100 pounds per acre. Sow half of the seed one way, and the other half the other way, to make sure of a uniform, even stand. Then harrow or rake the ground well to cover the seeds, and follow with a roller to pack the soil and cause sprouting. If no roller is available, a piece of plank fastened to a stick can be used to tamp and even the ground. Water thoroughly and regularly at night, until the sod is fairly well established. Sprinkling at random is worse than no water at all, for seed once started can not start a second time.

**GARDEN CITY LAWN GRASS**—Our best all around lawn grass mixture, for general use. It contains the choicest grasses in proper combination for quick results, roots deeply, and withstands severe drought. This consists chiefly of Kentucky Blue Grass, Red Top, and White Clover, and is being sold by leading department stores with wonderful success. Price: Lb. 45c, 5 lbs. \$2.00, prepaid.—Not prepaid: Lb. 40c, 5 lbs. \$1.75, 10 lbs. \$3.00.

**CREEPING BENT GRASS**—This grass makes a fine dense firm turf which withstands hard usage; it is ideal for lawn, terraces, and putting greens on golf courses because it makes a compact sod due to its spreading habit. It makes rapid growth in a year crowding out other grasses. Our seed is true to name and of finest quality. Sow 3 to 4 lbs. per 1,000 square feet. Price: Lb. \$1.25, 5 lbs. \$5.50, prepaid.

### 30-DAY LAWN GRASS

Our popular Lawn Grass for quick results. This carefully blended mixture contains the finest quick-growing grasses, together with permanent grasses that will establish a luxuriant lawn in 30 to 40 days under normal conditions. It represents the greatest value we have ever been able to give. It is by no means a cheap lawn mixture, but contains high quality Kentucky Blue Grass, White Dutch Clover, English Rye Grass and other quick-growing grasses. Our Special Price: 1 lb. 35c, 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$6.25, all prepaid. 100 lbs. \$21.00, not prepaid.

### REDWOOD URNS

Neatly designed for decorative plants and flowers. Built of clear, hard Redwood, free of sapwood. Will outlast metal; cost much less than stone or concrete, and the design will harmonize with any style of architecture.

Solid one-piece bottom; pedestal legs; sides of solid one inch clear boards with moulded corners to conceal joints; mitered top moulding to effect massiveness, yet not out of proportion. Nothing like it on the market. Made in three sizes: Prices f. o. b. Faribault.

	Wt.	Price
"A" 8 in. high, 9x9 in. inside diameter	8 lbs.	\$1.25
"B" 10 in. high, 12x12 in. inside diameter	11 lbs.	1.65
"C" 12 in. high, 15x15 in. inside diameter	16 lbs.	2.20

Packed one complete Urn, knocked down, in a carton with full instructions and the necessary nails for assembly.

### REDWOOD WINDOW BOXES

With little expense, every home and apartment can be beautified, especially during the spring and summer months, by the addition of Porch and Window Boxes. Our Boxes are made from one inch Clear Heart, dry Redwood, well milled; the ends fit into the sides, and the bottoms fit into the ends. They are finished in the natural Redwood color. Prices f. o. b. Faribault.

Size	Weight	Price
8x8 inch, 2 ft.	10 lbs.	\$0.85
8x8 inch, 3 ft.	13 lbs.	1.00
8x8 inch, 4 ft.	18 lbs.	1.40

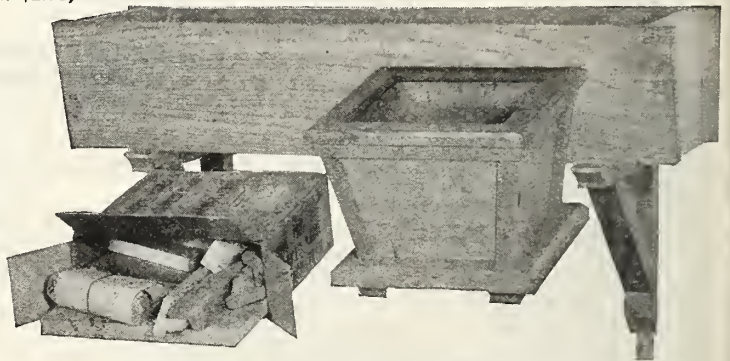
Bottoms have holes bored for drainage. Window boxes or urns are not painted. Complete instructions for assembly are included in each carton, and sufficient zinc coated nails of proper size.

**SPECIAL GOLF MIXTURE**—The best possible mixture for golf courses, to be used on fairways, tees, bunkers, etc. Contains Creeping Bent and other imported grasses, also, Brome Grass, Red Top, etc., properly blended to give quick and permanent results, and to withstand our hot, dry summers and severe winters. Price: Lb. 50c, 5 lbs. \$2.25, prepaid.—Not prepaid: Lb. 45c, 5 lbs. \$2.00, 20 lbs. \$7.00, 100 lbs. \$30.00.

**SHADY NOOK MIXTURE**—A mixture of hardy, quick growing grasses that thrive in shady places. Especially suited for patching up the lawn, or filling in barren places under trees, etc. Contains some of the best creeping grasses to build up a permanent sod. Price: Lb. 50c, 5 lbs. \$2.25, prepaid.—Not prepaid: Lb. 45c, 5 lbs. \$2.00, 20 lbs. \$7.00.

**WHITE DUTCH CLOVER**—Used universally for rejuvenating or building up all lawns or worn out pastures. Price: ½ lb. 35c, lb. 55c, 5 lbs. \$2.50, prepaid.—Not prepaid: Lb. 45c, 5 lbs. \$2.00.

**KENTUCKY BLUE GRASS**—Kentucky Blue Grass will last for many years, as the plants spread from underground roots. It withstands hard wear remarkably well, forming a firm, tough sod. Sow as early as possible, to give it a good start before weeds spring up. Blue Grass is the best of all grasses for lawns, golf courses and parks. Price: Lb. 40c, 5 lbs. \$1.75, postpaid.



### REDWOOD WINDOW BOX BRACKET.

A simple bracket of clear Redwood which will accommodate either size window box. Furnished in the knock down, with necessary nails for assembly. Each piece completely milled, and consists of three pieces 1½x2x12. Price, per pair (wt. 3 lbs.) 40c, not ppd.

### FEED YOUR LAWN FOR BEST RESULTS

No lawn can be expected to thrive from year to year without a well balanced fertilizer. "Sacco" contains all of the food elements needed, in proper proportion.

If your lawn is full of weeds, use "Wedo" as a combination lawn fertilizer and weed eradicator. See page 79.



# Hardy Northern Grown Nursery Stock



**Plan now!**  
for **SPRING PLANTING**

### DETAILED LANDSCAPE PLANS

For those who desire detailed plans, we offer the services of our expert landscape draftsmen who will prepare detailed working plans drawn to scale—for a charge of only \$2.00. This charge to be deducted if an order for nursery stock is placed with us, amounting to \$15.00 or over.

No detailed plans can be prepared after April 1st as our entire force will then be working overtime getting out shipments.

We will be glad to furnish a landscape plan chart free, for your preliminary sketch.

### Send Only Part Remittance

Make your selections now so that the best specimens may be reserved for your order. Don't wait until the busy planting season is at hand. Send us only 25% of the amount due and your order will be held for shipment at the proper planting time.

### Planting Instructions Free

Our catalog offers many suggestions on pages 35-40. Some of the landscape plans shown may suit your requirements exactly. We will be glad to help you further if you will tell us just what you have in mind.

Book of instructions for the care and planting of nursery stock will be sent free with each order.

## OUR BEST REFERENCES ARE OUR PATRONS

Feb. 6, 1931.

*I received my Strawberry Plants today and they sure were fine plants. They were better than I expected I would get and I am well pleased with them, so I am sending you a few names of some of my friends.—Clarence Burns, Twin Valley, Minn., R. 1.*

March 13, 1931.

*We have ordered seeds and nursery stock from you before and have had very good success with them so will try again this year. I will order my other seeds later on so will you please send an order blank along with this order?—A. J. Feddema, St. Cloud, Minn., R. 2, Bx. 50.*

May 21, 1931.

*My Grapes are doing wonderfully. The Concord was the best I ever saw—great long roots, so I presume they are two-year-olds. I am well pleased with your goods.—A. H. Craig, Mukwonago, Wis.*

Jan. 29, 1931.

*Please send me your catalog. Your fair treatment with me insures you an order for more Nicollet Cherry and Haralsons, etc., this year. It was the drought that did what little damage there was—no rain from May 2 to Sept., but your little trees smiled in the sunshine and came through O. K.—Dr. R. J. Heavenridge, Hannibal, Mo., 2005 Market St.*

Sept. 5, 1931.

*We are sending you under separate cover a sample of plums raised from trees purchased from you about three years ago. The sample we are sending you is a Waneta Plum and measures six inches in circumference one way and six and a quarter inches the long way. Considering our northern location, we believe this size is remarkable. Very much elated from our first pickings.—The Star Printer, by Mrs. F. W. Schroeder, Mgr., Milwaukee, Wis.*

President Hoover's plans for home ownership are gaining national support and approval.

Next to home ownership, comes home ground beautification which is now a nation-wide movement.

Growing your own Fruits and Vegetables represents the third great movement—to greater enjoyment, health and revenue from your own home grounds.

All are now within your reach and at a cost never before dreamed of. Our simplified methods and fair play guarantee remove all uncertainty and failure on your part.

### WE HELP YOU PLAN

Do you desire an outdoor living room—a rock garden—a planting for privacy—a landscape planting for both beauty and comfort—a family playground or a family orchard of the newest fruits? We will be glad to assist with suggestions that will be practical and helpful.

Our recommendations are offered without cost or obligation. Send us a rough sketch of your yard, indicating dimensions and present plantings, tell us how much you feel like investing and you will be surprised at the great improvement and increased value to your property at so small a cost.

The chance of a lifetime to beautify your place as you would like to see it.

### HOW WE SHIP

Express is usually safest and quickest, and therefore cheapest. All nursery stock travels at purchaser's expense, and we use our best judgment unless definite shipping instructions are given.

### Packing

All items are securely packed and guaranteed to reach destination in growing condition. Suggestions for care and planting accompany each order.

### Parcel Post Shipment

Be sure to allow postage to cover weight of stock and packing material. Any over-payment will be refunded. Two or three, four to five ft. trees, or four or five, three to four ft. trees can be sent parcel post for 25c to 50c, depending upon distance.

If yours is a prepaid station, full transportation charges must be sent with order as goods can be sent at purchaser's risk only.

We cannot send C. O. D. shipments due it is sent with the order.

We usually ship from March 15th to the middle of May, weather conditions permitting.

Owing to the great expense of handling and packing nursery items, we cannot accept orders for Trees, Shrubs or Plants totaling less than 75c.

### FREE—500 PEAR TREES—500 ROSES AND FLOWERING SHRUBS

Given away free as a premium with early orders. Your choice of a beautiful Climbing Rose or a Spirea Van Houttei, with each order of \$3.00 or more, if requested. Or, on a \$5.00 order, you may have free one of the new Pear Trees described on page 32. Be sure to specify your choice.



# NORTHERN GROWN STRAWBERRY PLANTS

## HOW TO SUCCEED WITH STRAWBERRIES

There is no trick about growing the best strawberries in any ordinary garden soil. Now you can buy strong, well rooted plants, guaranteed to reach you in perfect condition for about half the usual nurserymen's prices direct from our farms.

Plants should be set about 18 inches apart each way in a small garden, or in rows 5 ft. apart and the plants 1 ft. apart for field culture. This would require 8,700 plants to the acre or a trifle over 50 plants to the rod of land. With good care one may expect one pint of fruit to the plant. Some varieties have yielded 10 to 15,000 quarts per acre.

Spring planting is best. Spread out the roots in setting out plants, water them thoroughly and pack down firmly. Cut runners after blossoming time, to strengthen the plants and increase size of the berries. Plants will usually bear 3 to 5 years.

All varieties we offer are self fertilized, have perfect blossoms and require no other variety for pollenization purposes.

## GENUINE EVERBEARING MASTODON

The world's greatest and largest Everbearing strawberry. From early summer into late fall, you can enjoy these large, fine-flavored berries and produce more fruit per square foot of ground than with any other strawberry ever introduced. Reports from satisfied customers are astounding—50 to 60 berries per plant are reported and gardeners are reaping the biggest profits ever made from any one variety.

Three hundred and fifty to 400 16-qt. cases per acre have been reported by growers—15 to 20 berries filling a quart box.

One hundred plants will supply the average family with berries throughout the season and allow plenty for canning besides.

Last season we could not nearly fill our orders and the demand the coming spring will be even greater. In order to secure genuine Mastodons, hardy northern grown plants, get your order in early.

We offer genuine Mastodon strawberry plants at real bargain prices, freshly dug and guaranteed to reach you in prime condition.

Price: 25 for 65c, 50 for \$1.10, 100 for \$2.00, 500 for \$9.00, 1,000 for \$16.00, prepaid. See back cover.

## PROGRESSIVE EVERBEARER

The standard Everbearing variety which will produce berries from June until November as far north as Duluth. Berries are of medium size—somewhat pointed, dark red in color and of exceptionally fine flavor. The flesh is extra firm and sweet, requiring but little sugar in preserving. This variety forms strong runners which bear heavily the first season and produce enormous crops. Blossoms on all Everbearing varieties should be kept picked until July 15th, from newly set plants. 25 for 55c, 50 for 90c, 100 for \$1.60, 500 for \$6.00, 1,000 for \$10.50, prepaid.

All of our plants are freshly dug and guaranteed to reach you in perfect condition.

## RED GOLD

The Sugar-Sweet Strawberry.

A new variety of unusual merit—exceptionally hardy, withstanding drought, wet weather and late freezes remarkably well. This berry has unusual flavor—is immensely productive. Berries are of exceptionally large size and remarkably sweet, therefore they require but little sugar for canning. Try Red Gold and have something different in your garden. 25 plants for 55c, 50 for 90c, 100 for \$1.60, 500 for \$6.00, 1,000 for \$10.50, prepaid.



Senator Dunlap.

## SENATOR DUNLAP

The old standby and the most satisfactory and productive June bearing variety. Does well wherever planted. Ripens medium early and continues to bear for a long time. The berries are large, beautiful form and color. Fruit firm and of luscious flavor. Good shipper. 50 for 50c, 100 for 75c, 500 for \$2.75, 1,000 for \$4.90, prepaid.

## DR. BURRILL

A medium early variety of exceptional productiveness, quality, size and firmness. It is one of the most profitable for the gardener. The berries are of even shape, firm and stand up well; attractive glossy red, with yellow seeds and a green calyx. Dr. Burrill is earlier than Dunlap and of just as fine quality. 50 for 65c, 100 for \$1.00; 500 for \$3.50, 1,000 for \$6.50, prepaid.

Farmer Seed & Nursery Co.

I ordered strawberry plants from you last year and they were the finest plants that I ever saw—every one of them lived.—  
T. B. Parker, Aurelia, Iowa.

# BERRY BOXES AND CRATES

## THE PERFECTION BOX

The most satisfactory berry box so far perfected for berry growers.

The most practical box on the market—takes very little space—easily shipped and can be set up in an instant. This box is well made—has six staples in each box—no tongue to break off when folded down. It is cheaper to use than the old fashioned box, besides much more convenient and serviceable. Standard quart and pint sizes.

Quart Size—100 boxes \$1.50, 250 boxes \$3.00, 500 boxes \$4.75, 1,000 boxes \$8.75.

Pint Size—100 boxes \$1.25, 200 boxes \$2.25, 400 boxes \$3.85, 1,000 boxes \$7.75, f. o. b. Faribault.

## OLD STYLE BERRY BOXES

Our Hallock Dry Measure Boxes are made of best grade white wood from two pieces of veneering and are scored to bend at the corners. Packed flat. Use 4-oz. Swede iron tacks. One lb. of tacks will make 1,000 boxes.

Crates—Made from best ½-inch seasoned lumber, planed 9 inches wide and 8½ inches high. The sides are of veneering, 4 inches wide and 20¾ inches long. Cover is one solid piece of veneering. Use 1½ inch cement coated nails.

Quart Boxes—100, 95c; 500, \$4.25; 1,000, \$6.25.

Pint Boxes—100, 85c; 500, \$3.35; 1,000, \$5.75.

Sixteen-quart crates—100, \$19.25; less quantities, 24c each.

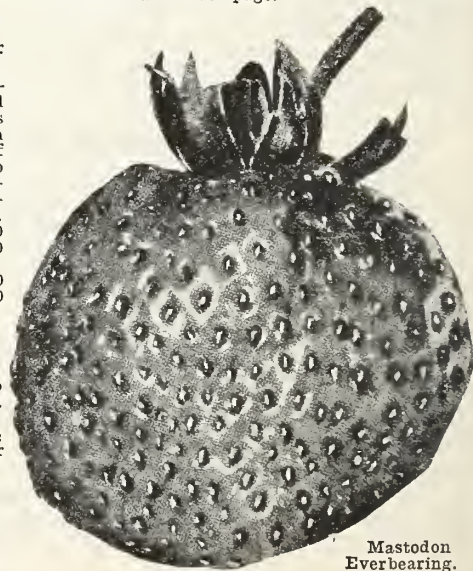
Twenty-four quart crates—100, \$25.00; less quantities, 30c each.

Twenty-four pint crates—100, \$19.00; less quantities, 23c each.

Forms for box making, 50c each. 4-oz. Swede iron tacks, 50c per lb.

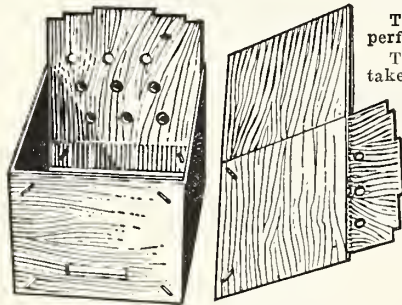
All  
Prices  
Quoted  
f. o. b.  
Faribault.

A plant of the famous Mastodon Everbearing Strawberry is illustrated in natural size and color on the back cover page.



Mastodon  
Everbearing.

Perfection Folding Box.





# FRUIT TREES AT THE LOWEST PRICES IN YEARS

PLANT THIS YEAR. Never Before Have There Been Such Values in Shrubs and Trees.

Now is the time to plant your orchard and fruit garden—take advantage of these low prices. The past two years of slackened sales have piled up surpluses in many lines and we must move them this spring. Now is your opportunity to get the best varieties at the lowest prices in many years.

Orchard Trees, Berry Bushes, Windbreak Trees—at prices to meet the times. Only 25% payment required to hold shipment until planting time.

Make your dollar do double duty by selecting now from these low prices. Note our free premium offer for early orders—and remember our guarantee protects you. There never was a better time to start that orchard.



Dolgo, the Perfect Crab.

## DOLGO—THE PERFECT CRAB

Here is the aristocrat of the Crab Apple family. It is not the kind of a Crab we have known in days gone by, but a fruit tree that should be on every home ground. To begin with, it has rare beauty as an ornamental lawn tree. It is extremely hardy, having been tested out in North and South Dakota. It is not subject to blight as were the old varieties. Bears an abundance of fruit and no long wait, for young baby trees in the nursery row have been known to bear fruit the third season.

Now, best of all—the apple itself is a very rich red and jells perfectly even when dead ripe. It is one of the finest canning crabs and the demand has exceeded the supply. If you want something outstanding that you can point to with pride, include Dolgo Crabs in your order.

Prof. Alderman, chief, Division of Horticulture, University of Minnesota, states: "The Dolgo Crab is the best one I know of for northern conditions. It makes a handsome lawn tree with its symmetrical outline, light green foliage and fiery red fruit. The medium sized conical fruits make an excellent and well-colored jelly. I believe it will ultimately become the most popular crab apple." 3-4 ft. 50c each, 5 trees \$2.20, 4-5 ft. 60c each, 5 trees \$2.60, bearing size \$1.25 each.

**WHITNEY CRAB**—This well-known favorite hardly needs description. A favorite in the home for canning and preserving. Boys like it because it is so good to eat off the trees. Fruit is of good size—very highly colored—free bearer, producing immense crops. You cannot go wrong on a few trees of the Whitney Crab.

### PRICES ON APPLE TREES UNLESS OTHERWISE QUOTED.

3-4 ft. 35c each—10 trees assorted \$2.50, 100 trees \$20.00, 4-6 ft. 45c each—10 trees assorted, \$3.50, 100 trees \$30.00. Postage on two or three 3-4 ft. trees, 25c; on four or five 4-6 ft. trees, 50c. You can always save money dealing direct.

## HARDY GRAPES

Grapes are easily grown in any garden soil and pay the biggest dividends for the small attention required. These are the hardiest dependable sorts. Prune grapes from Nov. to March.

**BETA**—Is as hardy as the wild grape and produces heavy crops every year. The fruit is of medium size, black, good quality, ripens early, so can be grown far north. Beta Grapes easily sell at \$4.00 per bushel. There is a good demand for the fruit for jelly and grape juice. Price, strong 2-yr. plants 10 for \$1.25, 100 for \$9.00, not prepaid. Ask for special prices on larger quantities.

**CONCORD**—Large purplish black fruit, ripens middle of September. Suited to southern half of Minnesota with winter covering. Price, strong 2-yr. plants 10 for \$1.00, 25 for \$2.90, 100 for \$7.00, not prepaid (weight per 10 plants, about 6 lbs). Ask for special prices in larger quantities.



Concord Grape.

## THE BIG RED HARALSON APPLE

The prize origination of the Minnesota Experiment Station. No finer red Winter apple has ever been introduced. The outstanding feature of the Haralson is its keeping quality—keeping in perfect condition until late in the spring.

The Haralson is also free from blight, for while in the midst of other varieties badly affected by blight, the Haralson stood through it all entirely unaffected.

Best of all, the Haralson has the tendency to bear early—Haralson orchards therefore come into bearing much more quickly than most other varieties. It produces a good size, deep red apple of excellent flavor. See illustration on page 33.

Prices: 3-4 ft. 45c each, 5 trees \$2.00, 10 trees \$3.50; 4-5 ft. 55c each, 5 trees \$2.45, 10 trees \$4.50; 5-6 ft. 85c each, 5 trees \$3.85, 10 trees \$7.25.

## ANOKA—THE SURPRISE APPLE

Fruit the second season—wouldn't that surprise you? A real quality apple, early to ripen, of fine color and excellent flavor. This sturdy little tree bears the second year, and each year thereafter, resisting blight and producing a consistent crop of fruit. It is well suited for the Northwest. A one-year-old tree at the Agricultural Experiment Station, Fargo, North Dakota, bore 26 good apples the second year. No need of waiting five to six years to enjoy your own fruit.

Prices: 3-4 ft. 50c each, 5 trees \$2.20, 10 trees \$4.00; 4-5 ft. 70c each, 5 trees \$3.10, 10 trees \$6.00; bearing size \$1.25 each. Illustration on page 33.

**DUCHESS OF OLDENBURG**—One of the best early summer apples; beautiful dark red—very hardy—an immense bearer; of exceptionally fine flavor and very highly prized since it is one of the season's earliest good apples.

**WEALTHY**—The leading apple for its season throughout the Northwest. The fruit is large, a beautiful shade of deep red, and the flavor excellent. It is about the best eating apple that can be grown in the Northwest and ranks with Haralson in quality and commercial value. The Wealthy is a good keeper also and bears exceptionally heavy. As a market apple, or for home use throughout the winter, we could recommend no more satisfactory variety. There is always a market for the Wealthy and a good price awaiting the grower. The best orchards in the Northwest contain more Wealthy apple trees than any other variety.

## FREE WHILE THEY LAST

500 PEAR TREES  
500 ROSES AND  
FLOWERING SHRUBS  
Given away free as a premium with early orders.

Your choice of a beautiful Climbing Rose or a Spirea Van Houttei, with each order of \$3.00 or more. Or, on a \$5.00 order, you may have free one of the new Pear Trees described on pages 32-33.

**NORTHWESTERN GREENING**—The fruit is very large, smooth, handsome, turning yellow as it matures. This is one of the best baking and cooking apples for late winter and spring. Season from December to March. Every orchard should have at least a few Northwestern Greenings.

**McINTOSH RED**—This variety has come into rapid favor as one of the most important fall and early winter varieties. Large orchards are being set out with McIntosh Red predominating. An exceptionally fine eating apple, of good size, bright red color, and a delicious aromatic flavor. Season, January.

**YELLOW TRANSPARENT**—No orchard should be without a few of these delicious golden yellow apples. Good to eat long before other varieties are ready. Fruit large, yellow with crisp meat and a delicious flavor. 3-4 ft. 50c, 5 trees \$2.20, 10 trees \$4.00; 4-5 ft. 70c, 5 trees \$3.10, 10 trees \$6.00; bearing size, \$1.25 each.



# THE NEWEST IMPROVED FRUITS AND BERRIES

## FAMOUS HANSEN PLUMS

These wonderful Plums were originated by Prof. Hansen of the South Dakota Agricultural College, one of America's foremost plant breeders. They are as hardy as native wild Plums and have the delicious flavor and quality of fancy western fruit. Prof. Hansen advises that Sapa and Opata Plums be grown in bush form, rather than as trees. You get nearly twice as much fruit and the trees last longer.

**OPATA**—Earliest of all Plums and famous for its rich, wonderfully delicious flavor. Flesh is light green color with a purplish red skin. Very productive and hardy. Price: 3-4 ft. 35c each, 10 trees, \$2.50, 4-6 ft. 50c each, 10 trees, \$3.50. Bearing size, \$1.00 each.

**SAPA**—Bears heavily the second year. Plums turn to deep glossy purple, almost black. The flesh is deliciously sweet and juicy, with very tender skin. It makes wonderful conserve and jelly. Plums will hang on the trees for three weeks and are of luscious flavor. Price: 3-4 ft. 35c each, 10 trees, \$2.50, 4-6 ft. 50c each, 10 trees \$3.50. Bearing size, \$1.00 each.

**WANETA**—Prof. Hansen's largest and best Plum; grows as big as a large peach. Beautiful, big red plums of delicious flavor, as good as the California Plums. Bears every year and should be in every orchard or garden. Price: 3-4 ft. 35c each, 10 trees, \$2.50, 4-6 ft. 50c each, 10 trees \$3.50. Bearing size, \$1.00 each.

## NEW MINNESOTA PLUMS

**FIEBING PRIZE PLUM**—The last word in a new Plum for the Northwest. Just introduced by Charles Haralson of the Minnesota Fruit Breeding Farm. This Plum was awarded the Fiebing Prize, the highest prize ever awarded a new plum. Fruit is extremely large, firm flesh, excellent flavor and beautiful red color. Ripens early and makes a good companion for the Underwood. Trees are early and heavy bearers. No better quality plum or more desirable for home or market. It is truly outstanding and offered for the first time. Price: 3-4 ft. 65c each, 4-6 ft. 95c. Bearing size, \$1.50 each.

**UNDERWOOD**—The best, most favorably known of the many Plums originated at the Minnesota Fruit Breeding Farm. Bears annually, is of large size and excellent flavor; flesh firm, small pit. It may be readily peeled for canning. Underwood and Waneta should be planted near together to insure setting of fruit. Price: 3-4 ft. 35c each, 10 trees \$2.50, 4-6 ft. 50c each, 10 trees \$3.50. Bearing size, \$1.00 each.

**TONKA**—Has stood the severest tests of soil and climate for 20 years. Trees are exceptionally hardy and very productive. Fruit large, small pits, medium light red; flesh yellow, firm, sweet and tender. Skin is smooth. Season, August 15th to September. Excellent commercial Plum on account of its long keeping and shipping qualities. Price: 3-4 ft. 35c each, 10 trees \$2.50, 4-6 ft. 50c each, 10 trees \$3.50. Bearing size, \$1.00 each.

**GOLDEN ROD**—The best clear yellow Plum. Perfectly hardy, very fine quality. Bears profusely. A late variety of firm flesh, and a wonderful shipper. Price: 3-4 ft. 35c each, 10 trees \$2.50, 4-6 ft. 50c each, 10 trees \$3.50. Bearing size, \$1.00 each.

## HARDY CHERRIES

These hardy Cherries are making good money for growers. Many are selling them "on the tree" at from 10c to 15c per quart. The trees can be set 10 ft. apart—they begin fruiting the second year. Plant several varieties to insure heavy fruiting.

**NICOLLET CHERRY**—About the size and flavor of the Michigan and Wisconsin pie cherries—pits are small and cherries ideal for pies and canning. Trees extra strong and of bearing size.

**ZUMBRA CHERRY**—Nearly black, of good size, very meaty, small seeds. The Zumbra tastes like the big California Cherries usually selling at high prices.

**COMPASS CHERRY**—Hardy all through the Northwest and Canada. Makes delicious pies, preserves, etc. Small black cherries, thin skin—sweet and fragrant. Blooms with Zumbra and Nicollet.

Price: All above varieties of Cherries, 3-4 ft. trees 35c each, 10 trees \$2.50, 4-6 ft. trees, 50c each, 10 trees \$3.50. Bearing size, \$1.00 each.



New Extra  
Early "Chief."

## BIG LUSCIOUS RED RASPBERRIES

### Mosaic-Free Latham

Latham has outstripped every other variety in point of yield and hardness. The fruit is larger than other varieties—easy to pick and commands top market prices. In a yielding contest, Latham produced 5,430 quarts per acre. This wonderful Raspberry received the highest award of state and nation in 1927 when the American Pomological Society awarded to Latham the "Wilder" medal. It is considered the highest award of its kind in America and has never before been given to any Raspberry.

We offer only Mosaic-Free Latham plants—state inspected—free from disease. Even the smallest garden patch should have a few bushes—they are easy to grow and very productive. Price: Prepaid, 15, \$1.00.—Not prepaid, 25, \$1.50; 50, \$2.60; 100, \$4.95. Write for quantity prices.

## NEW "CHIEF" EARLIEST RED RASPBERRY

An Offspring of the Famous Latham—10 Days Earlier

The newest outstanding variety from the Minnesota Fruit Breeding Farm. A seedling of the famous Latham and selected for its earliness and superior quality. New Chief has been carefully tested and has proven hardy—a heavy cropper, a good shipper, resistant to disease and is ten days earlier than the Latham. We advise planting both Chief and Latham for continuous production of fruit. Chief is easily grown in any garden soil.

Price: Prepaid, 10, \$1.95.—Not prepaid, 25, \$2.95; 50, \$4.65; 100, \$7.90. Write for quantity prices.

## CUMBERLAND BLACK RASPBERRY

The most satisfactory black variety. It is a vigorous grower, producing large sized berries in great abundance. The most profitable market berry on account of its keeping and shipping qualities. Price: Prepaid, 15, \$1.00.—Not prepaid, 25, \$1.50; 50, \$2.60; 100, \$4.95.

## HARDY PEARS

These may be successfully grown in Minnesota and are recommended by Mr. Thor Aamodt, chief deputy nursery inspector in Minnesota. Your garden is not complete without at least a few Pear Trees.

**PATTEN PEAR**—A northern Iowa origination of outstanding quality. Good size, blight-resistant, very hardy. Mr. Aamodt's first choice.

**MENDEL PEAR**—Grown without winter protection—a Minnesota product—medium size—sweet and juicy—golden yellow color.

**TAIT PEAR**—Originated in Canada—perfectly hardy—a good fruiter and of fine quality.

Price, your choice of varieties: 3-4 ft. 60c each, 3 trees \$1.50, 4-5 ft. 75c each, 3 trees \$1.90, 5-7 ft. \$1.00 each, 3 trees \$2.60.

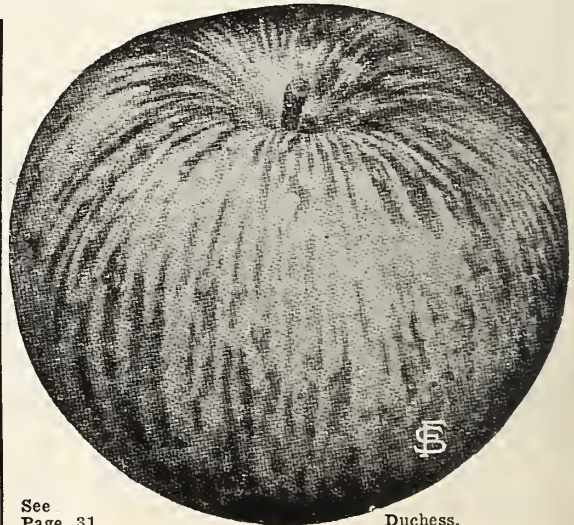
We Guarantee Safe Arrival and Ship When Weather Conditions Permit.

ALL NURSERY STOCK IS F. O. B. FARIBAULT.

## HARDY NURSERY STOCK A LASTING INVESTMENT

When you buy nursery stock you make an investment for years to come. The benefits and value this investment will add to your place depend upon the reputation and dependability of the growers you are dealing with.

We back up our products with a record of 44 years of square dealing and save you money on the original investment.



See  
Page 31.

Duchess.



# Nature's Choicest Fruits

No need of paying fancy prices for fruits shipped from great distances, when the very choicest Apples, Plums, Pears, Cherries, Berries, etc., may be grown right here in the Northwest.

The progress made by the Northwest Experiment Station in developing new varieties that surpass anything heretofore known in fruits is most astounding.

Here are some of the outstanding varieties—be sure to read full descriptions on pages mentioned. All are perfectly hardy and can be easily grown.

We sell to you direct from our own nursery at wholesale prices. See our liberal guarantee on page 29.



Nicollet Cherry.  
See Page 32.



"Anoka"  
The Surprise  
Apple—  
Earliest of All.  
Page 31.



FOR THE  
MOST  
DELICIOUS  
JELLY  
TRY  
DOLGO  
CRABS.  
SEE  
PAGE  
31.

Patten Pear.  
Foremost Pear  
for the  
Northwest.  
See Page 32.



NO FINER  
FRUIT  
CAN BE  
GROWN  
THAN  
THE NEW  
MINN.  
PLUMS.

ALL  
OF OUR  
NURSERY  
PRODUCTS  
ARE  
STATE  
INSPECTED  
AND  
GUARANTEED  
TO REACH  
YOU IN  
PERFECT  
CONDITION.

Beta Grape.  
Hardy Anywhere.  
See Page 31.



Underwood Plum.  
Unsurpassed in Size and Flavor.  
See Page 32.



The Famous Latham Raspberry. See Page 32.



Apples  
on  
Page 31.

Big  
Red  
Haralson  
Winter  
Apple.





Showing Arrangement of Hardy Shrubs—Described on Opposite Page. Make Your Place Equally Attractive by Following Our Landscape Plans.

Perennials and Rock Garden Plants on Page 37

Save Half by Buying Direct From the Growers



5—High Bush Cranberry. See Opposite Page.



62—Hansa, Double Red Rose. Page 36.



16—Snowberry, White. See Opposite Page.

Special Discount of 10% on Shrub Orders Totaling \$5.00 or More—Collections Excluded

Special Rose Collection

One each—Sir Thomas Lipton, white; Hansa, red; Sarah Van Fleet, pink; General Jacqueminot, red; Princess Adelaide, pink; Agnes, yellow; Crimson Rambler, red climber.

SEVEN BEAUTIFUL ROSES, INCLUDING ONE CLIMBER, PREPAID FOR ..... \$1.85

Buy in Confidence—See Our Liberal Guarantee and Replacement Offer on Page 29



Charles Joly Lilac. See Page 36.



Black Hills Spruce. Blue Spruce. Pyramidal Spruce. Mugho Pine. Colorado Spruce. American Spruce. Pfitzer Juniper. Full Descriptions of Evergreens on Page 38.



3—Bechtel's Flowering Crab. See Opposite Page.



# Beautiful Home Grounds Really Cost You Nothing



Each Tree, Shrub, Plant and Vine adds far more to the value of your home than its small cost.

There is no better investment—it pays dividends in cash and happiness. Let us help you select just the right variety for each location. Note the Shrubs shown in colors on opposite page. Make your selection now.

**10% SPECIAL DISCOUNT**

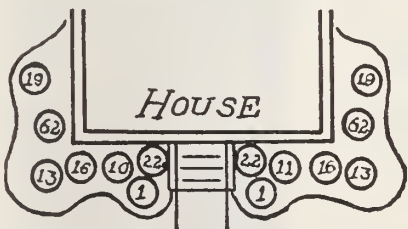
On Shrub orders totaling \$5.00 or over—collections or other premiums excluded.

- 1. BARBERRY THUNBERGI**—(Japanese). Very attractive and showy during the entire season and particularly in late fall when it turns to a gorgeous orange and scarlet. Beautiful red berries in winter. Not subject to rust. Price: 2-yr., field-grown plants 25c, 10 plants \$1.95. 3-yr., field-grown plants 35c, 10 plants \$2.85.
- 3. FLOWERING CRAB, BECHTEL'S**—Very ornamental shrub with delicate pink flowers, maturing in late May. Very fragrant—perfectly hardy and a profuse bloomer. Excellent as a specimen tree for landscaping or cemetery planting. Price: 3-yr. plants 70c, 4-yr. 95c.
- 5. CRANBERRY, HIGH BUSH**—A hardy shrub, vigorous grower with soft white flowers in spring. In fall it produces clusters of yellow and deep red berries that remain until frost. These berries make excellent jelly and jam. High Bush Cranberry will do well on the north side of the building and is very much used for background planting. Price: 2-yr., field-grown plants 45c, 3-yr. 55c.
- 7. ELDER, GOLDEN**—A very showy golden leaved bush; extremely hardy. A rapid grower—may be trimmed to any desired height; produces large, flat white blossoms, followed by red-purple berries in late summer. Price: 2-yr., field-grown plants 30c, 3-yr. 45c.
- 10. HYDRANGEA ARBORESCENS**—(Snowball Hydrangea). Valuable for landscape planting. Large, globe-shaped flowers. White, tinged a delicate pink. Blooms during September and October. Price: 2-yr., field-grown plants 30c, 3-yr. 45c.
- 12. LILAC, FRENCH HYBRIDS**—(See page 36).
- 14. RED-LEAF NEWPORT**—A new shrub introduced by the Minnesota Fruit Breeding Farm. Very striking purple foliage—fine color effect. Used as specimen tree or for screen planting. White blossoms. Price: 2-yr., field-grown plants 40c, 3-yr. 60c.
- 16. SNOWBERRY, WHITE**—A very desirable dwarf shrub—perfectly hardy. Has tiny rose colored flowers in June and July, followed by milk-white clusters of berries in late fall and winter. Does well in sun or shade. Price: 2-yr. plants 30c, 3-yr. 45c.
- 18. SPIREA ARGUTA**—The earliest blooming Spirea, growing 5 feet tall. Slender and graceful form with delicate leaves. Pure white flowers are produced in great profusion. Price: 2-yr. field-grown plants 40c, 3-yr. 60c.
- 20. SPIREA FROEBELI**—Very fine, dwarf shrub covered from July to September with a mass of bright rose-colored flowers. Excellent for low foundations and in front of other shrubs. Price: 2-yr., field-grown plants 25c, 3-yr. 40c.
- 22. SPIREA VAN HOUTTEI**—(Bridal Wreath). Most popular of all shrubs—very hardy—blossoms profusely in May. Price: 2-yr. size 20c, 3-yr. size 30c. Special offer, a discount of 10% on shrub orders totalling \$5.00 or more—collections excluded.

- 2. BARBERRY, RED-LEAVED**—The showiest, most attractive shrub of all with its glowing red foliage. It is perfectly hardy, absolutely rust-proof. Has the same graceful foliage as the Japanese and does best in sunlight. Supply limited. Price: 2-yr., field-grown plants 50c.
  - 4. COTONEASTER**—A splendid new shrub, used extensively in modern landscape plantings. Luxuriant dark green foliage—small pink flowers. Black fruits remaining on bushes into the winter. Extremely hardy and drought resistant. 2-yr., field-grown plants 35c, 3-yr. 45c.
  - 6. DOGWOOD, RED-TWIGGED**—Has yellowish white flowers. Bright red branches and creamy white fruit. Will do well in shade and forms a fine contrast in any landscape planting. Always showy in winter. A rapid grower, attaining great height unless trimmed. Price: 2-yr., field-grown plants 30c, 3-yr. 45c.
  - 9. HONEYSUCKLE, BUSH**—(Tartarian). Blooms in May followed by bright red berries throughout the summer. Good for foundation and screen plantings. Price: 2-yr., field-grown plants 30c, 3-yr. 45c.
  - 11. HYDRANGEA PANICULATA GRANDIFLORA**—Very showy, with immense clusters of white blooms in August. Will blossom same season they are planted. Price: 2-yr., field-grown plants 30c, 3-yr. 45c.
  - 13. LILAC PERSIAN**—Blooms more freely on younger bushes than common Lilac. Very fragrant. Flowers deep purple. Fine for high foundation and screen planting. Price: 2-yr., field-grown plants 40c, 3-yr. 60c.
  - 15. ROSE TREE OF CHINA**—(Prunus triloba). Without question the most striking flowering shrub for early spring. Every branch completely covered with small, double, rose-like, pink flowers in May, before the leaves are out. Price: 2-yr., field-grown plants 45c, 3-yr. 65c.
- HARDY EVERGREENS**—(See pages 34 and 38.)
- 17. SPIREA ANTHONY WATERER**—Has gay crimson flowers that bloom all summer and variegated foliage. Is very hardy. This dwarf shrub will fit into any plan and always proves attractive. Price: 2-yr., field-grown plants 30c, 3-yr. 45c.
  - 19. SPIREA BILLARDI**—Plume-like flowers of delicate rose; upright growth. Medium height. Fine foliage. Price: 2-yr. field-grown plants 30c, 3-yr. 45c.

**PRACTICAL LANDSCAPE PLANS KEYED TO ILLUSTRATION ON OPPOSITE PAGE**

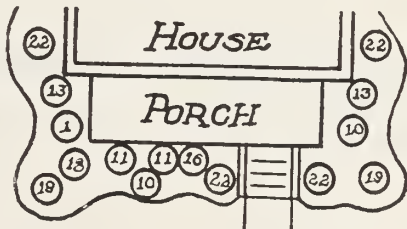
LANDSCAPE PLAN NO. 1



- |                           |   |
|---------------------------|---|
| 1. Japanese Barberry      | 2 |
| 10. Hydrangea Arborescens | 1 |
| 11. Hydrangea Pee Gee     | 1 |
| 13. Persian Lilac         | 2 |
| 16. Snowberry             | 2 |
| 19. Spirea Billardi       | 2 |
| 22. Spirea Van Houttei    | 2 |
| 62. Hansa Rose            | 2 |

Number of shrubs.....14  
 14—2-year shrubs, value \$4.55 for...\$3.95  
 14—3-year shrubs, value \$6.55 for...\$5.95

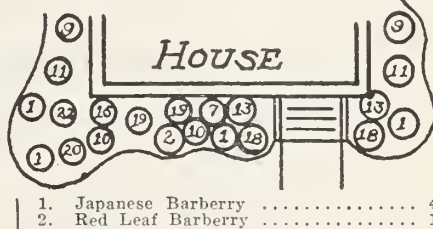
LANDSCAPE PLAN NO. 2



- |                           |   |
|---------------------------|---|
| 1. Japanese Barberry      | 1 |
| 10. Hydrangea Arborescens | 2 |
| 11. Hydrangea Pee Gee     | 2 |
| 13. Persian Lilac         | 2 |
| 16. Snowberry             | 1 |
| 18. Spirea Arguta         | 1 |
| 19. Spirea Billardi       | 2 |
| 22. Spirea Van Houttei    | 4 |

Number of shrubs.....15  
 15—2-year shrubs, value \$4.50 for...\$3.95  
 15—3-year shrubs, value \$7.30 for...\$6.65

LANDSCAPE PLAN NO. 3



- |                           |   |
|---------------------------|---|
| 1. Japanese Barberry      | 4 |
| 2. Red Leaf Barberry      | 1 |
| 7. Golden Elder           | 1 |
| 9. Honeysuckle Bush       | 2 |
| 10. Hydrangea Arborescens | 1 |
| 11. Hydrangea Pee Gee     | 3 |
| 13. Persian Lilac         | 2 |
| 15. Rose Tree of China    | 1 |
| 18. Spirea Arguta         | 2 |
| 19. Spirea Billardi       | 2 |
| 20. Spirea Froebeli       | 1 |
| 22. Spirea Van Houttei    | 1 |

Number of shrubs.....21  
 21—2-year shrubs, value \$6.75 for...\$5.95  
 21—3-year shrubs, value \$10.40 for...\$9.35



## HARDIEST GARDEN ROSES

The Rose is the queen of all flowers—its beauty, daintiness, and fragrance appeal to all flower lovers. The list of Roses offered below will make it possible for everyone, even in the severe Northwest, to enjoy their beauty and charm.

The greatest care was used in making the selections we offer you—they are the very best from many hundred varieties. Do not confuse them, therefore, with the tender kinds offered at cheap prices that usually disappoint. We offer 2-year field-grown plants.

In planting, it is advisable to cut back Roses about one-third. Non-hardy varieties should have tops tied up with straw or burlap and added protection given with straw, leaves or straw manure.

Green aphid or lice on Roses may be controlled by the use of Black Leaf 40 (Sulphate of Nicotine), also Shep's Plant Spray and Evergreen will control many insects. These are described on page 78.

### HYBRID RUGOSA

**60. AGNES ROSE.** The popular new Yellow Rose. It is perfectly hardy and has good foliage. This outstanding new rose was the result of a crossing of the Persian Yellow and Japanese Rugosa Rose. The blooms are a rich orange gold, large and double, and are highly fragrant. 2-yr. bushes 60c, 2 for \$1.00, postpaid.

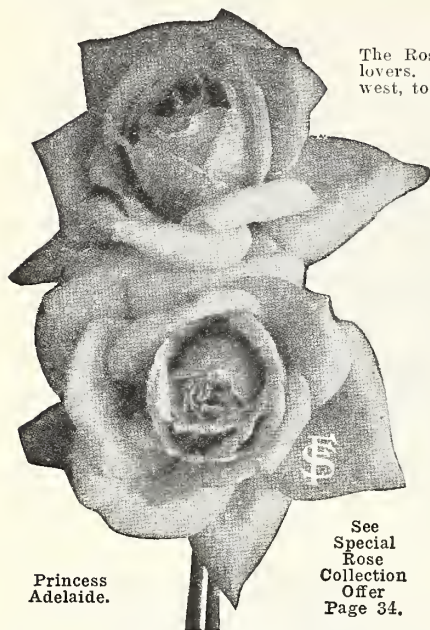
**61. GROOTENDORST.** A new Hybrid; produces clusters of bright crimson blooms. Strong, compact. Blooms until fall. 2-yr. bushes 60c each, 2 for \$1.00, postpaid.

**62. HANSA.** Rich, double red; free-flowering and fragrant. Always dependable. 2-yr. bushes 45c each, 3 for \$1.00, postpaid. See page 34 for colored illustration.

**63. SARAH VAN FLEET.** One of the hardiest clear pink varieties; very free bloomer; intensely fragrant. Foliage dark green; disease resistant. 2-year bushes 60c each, 2 for \$1.00, postpaid.

**64. SIR THOMAS LIPTON.** Early, free-flowering; large, white, double flowers. 2-yr. bushes 45c each, 3 for \$1.00, postpaid.

Rugosa Roses are most desirable for hedge purposes as they require no winter protection.



Princess  
Adelaide.

See  
Special  
Rose  
Collection  
Offer  
Page 34.

### SPECIAL ROSE VARIETIES

**69. GENERAL JACQUEMINOT.** Hybrid Perpetual. A universal favorite. Very fragrant; perfectly formed blossoms; brilliant scarlet-crimson color. Long stems. Very hardy. Need winter protection. 2-yr. bushes 45c each, 2 for 85c, postpaid.

**70. PINK RADIANCE.** Brilliant rosy carmine shaded with pink. Large flowers, fine form, a constant bloomer and excellent keeper. 2-yr. bushes 45c, 2 for 85c, postpaid.

**71. FRAU KARL DRUSCHKE.** The White American Beauty—a pure white, long stemmed, double-flowered rose. It produces immense buds and is the finest rose of its class for cutting or bedding. 2-yr. bushes 45c, 2 for 85c, postpaid.

**72. PRINCESS ADELAIDE.** Perfectly hardy without winter protection. Color bright silvery pink; flowers exceptionally large. A profuse bloomer and one of the very best Moss Roses. 2-yr. bushes 30c each, 2 for 55c, postpaid.

### NEW FRENCH HYBRID LILACS

Wonderful progress has been made in Lilac breeding and the new French Hybrids are distinctly beautiful—of rich delicate hues; flowers of large size and delightfully fragrant. Bloom early, even when but 2 feet high. We offer only hardy stock on their own roots.

**CHAS. JOLY.** Lilac. Splendid double red. Blooms are large and held erect. They make a very striking appearance as they show well above the foliage. One of the very best double dark red Lilacs. 3-yr. field-grown 60c, 4-yr. plants 80c, postpaid. See colored illustration page 34.

**MADAME LEMOINE.** One of the most dependable. Large panicles, double, pure snow-white. 3-yr. field-grown plants 55c each, 4-yr. 75c each, postpaid.

### THE HARDIEST CLIMBING VINES

**BITTERSWEET.** A much appreciated native climber that is almost extinct in its natural state. Has handsome glossy foliage. Large clusters of beautiful orange-crimson berries which will remain all winter. The berries are very bright in effect and make a charming decoration for the home in winter. Very hardy—will grow anywhere. Grow Bittersweet in your own back yard. Price: 2-yr. 55c, 2 plants 90c, prepaid.

**SCARLET TRUMPET HONEYSUCKLE.** A very satisfactory climbing plant with odd shaped foliage, producing bright red trumpet-shape flowers almost continuously. Very fragrant. Will thrive anywhere. Splendid for covering porches or trellis where it will reach a height of 15 feet. Price: 2-year-old vines 30c each, 2 vines 55c, prepaid.

**ENGLEMAN IVY (Ampelopsis).** Belongs to the Woodbine family and is most popular in the Northwest for climbing on stone, brick or stucco. Produces very thick foliage which turns to a brilliant red color in the fall. Its numerous tendrils cause it to cling to any structure. Is perfectly hardy and will withstand drought and heat. Very fast grower. Price: 2-yr. vine 30c each, 5 vines \$1.35, prepaid.

**CLEMATIS PANICULATA.** Small white flowering, very sweet scented plants, originally from Japan. A rapid grower and vigorous climber. This is the most satisfactory variety of Clematis on account of its hardness. Price: 2-yr. vines 50c each, 2 vines 80c, prepaid.

**CLEMATIS JACKMANII.** The most beautiful and showy Clematis with deep velvety purple flowers. A profuse bloomer—strong hardy plant and a rapid grower. Should be pruned early in spring. 2-yr. vines \$1.15 each, postpaid.

### CLIMBING ROSES

**65. CRIMSON RAMBLER.** An extremely hardy climbing Rose; large, crimson flowers; double. 2-yr. bushes 30c each, 2 for 55c, postpaid.

**66. CRIMSON BABY RAMBLER.** Produces large clusters of small, double, bright red flowers. Blooms profusely; very hardy. 2-yr. bushes 50c each, 2 for 95c, postpaid.

**67. DOROTHY PERKINS.** Delicate light pink Rose in clusters; deep, glossy foliage. Fine for trellis and fences. 2-yr. bushes 30c each, 2 for 55c, postpaid.

**68. GARDENIA.** Yellow Rambler; blooms early and very freely; glossy foliage. Flowers very fragrant. Perfectly hardy. 2-yr. bushes 40c each, 2 for 70c, postpaid.



Clematis.



# PERENNIAL AND ROCK GARDEN PLANTS

Outdoor living rooms, rock gardens and lily pools are all the vogue. The entire nation is awakening to a new sense of beauty—so much neglected in the past. Most any yard may be transformed into a lovely, restful retreat and may include an outdoor living room or playground for the children. Such features as a rock garden or lily pool are very desirable and you don't need a slope or terrace to make them possible. Tell us what you have in mind and we will gladly assist you in your planting. Our special circular, "How to Make a Rock Garden," will be sent free. Evergreens for background plantings can be found on page 38.

## HARDY WATER LILIES FOR POOLS

We offer the less expensive varieties, most easily grown. Directions with each shipment.

**ODORATO, Hardy White.** Native American Water Lily—a vigorous, prolific grower—flowers pure white. Best variety for experimenting. Order not less than three. Price: 3 for \$1.00, 10 for \$3.00, prepaid.

**MEXICANA, Hardy Yellow.** One of the most dependable varieties. Flowers are beautiful light yellow, size 3 to 4 inches; leaves are dark green. Price: 75c each, 2 for \$1.25, prepaid.

**TUBEROSA ROSEA, Hardy Pink.** Flowers light flesh-pink, borne a few inches above the water. Size, 4 to 5 inches across. Price: \$1.00 each, 2 for \$1.75, prepaid.

**HELEN FOWLER, Hardy Deep Pink.** Very beautiful. Price: \$1.50 each; 2 for \$2.75, prepaid.

**WATER HYACINTH, Tropical Water Plant.** 3 for 60c, prepaid.



Why not create an outdoor living room in your own yard.

## HARDY PERENNIAL PLANTS

Care of Perennials. A winter mulch or covering is essential in the Northwest. It will prevent damage from alternate thawing and freezing in the early spring. The mulch may be gradually removed in spring.

Plants marked with a star (★) are suitable also for Rock Gardens.

**30-A. ★ALPINE ROCK CRESS.** Pure white flowers produced in dense masses. Splendid for border or rockery.

**30-B. ARTEMESIA, SILVER KING.** Silver foliage—brilliant garden display. Excellent for sprays and winter bouquets. Matures early—perfectly hardy. Each 30c, 3 for 75c.

**30-C. ASTER, NEW ENGLAND (Michaelmas Daisy).** Blooms throughout the autumn months. Grows 3 to 4 feet high, with stout, well branched stems covered with purple flowers. Excellent for cutting.

**31. BABY'S BREATH (Gypsophila).** Misty sprays of tiny white flowers, fine for cutting. Can be dried and used for winter bouquets.

**32-A. ★BLUE BELLS OF SCOTLAND.** Clear blue flowers on slender graceful foliage. Especially suited to rock gardens. About 12 inches high, blooms continuously June to August.

**32-B. ★BLUE FLAX.** A desirable plant for border or rockery, 15 inches high. Graceful foliage. Flowers beautiful pale blue on slender graceful stems. Blooms all summer.

**33. BLEEDING HEART (Dielytra).** An old-fashioned favorite, with fine foliage and graceful sprays of pink and red heart-shaped flowers in May and June. Each 65c, 2 for \$1.20.

**34. ★CARPATHIAN HAREBELL.** Compact plants growing about 8 inches high, with clear blue flowers held erect on wiry stems. Bloom from June to October.

**34-A. CHINESE LANTERN PLANT (Physalis Francheti).** Bears brilliant orange colored seed pods or "lanterns" in September. Much prized for winter bouquets.

**35. ★COLUMBINE (Aquilegia).** One of the most beautiful hardy perennials, with lacy delicately formed foliage, and graceful long spurred flowers. Splendid for the hardy border or rock garden.

**36. ★HEUCHERA ROSEA (Coralbells).** Graceful sprays of coral red flowers on long slender stems. Grows from 12 to 18 inches tall, and blooms from July to September. Each 45c, 2 for 85c.

**37. DAISY, AUTUMN (Pyrethrum uliginosum).** Grows 3 to 4 feet high, with fern-like foliage and giant white flowers in great profusion in fall. Fine for cutting.

**38. DAISY, PAINTED (Pyrethrum hybridum).** Lovely showy plants, with finely cut foliage, and handsome daisy-like flowers in all shades of pink, rose and crimson. Bloom in May and June.

**39. DAISY, EARLY SHASTA.** Large white waxy daisies with yellow centers, on long stiff stems, in June and July.

**40. DAY LILY (Hemerocallis).** Showy hardy plants with tall grass-like foliage and bright yellow flowers produced in clusters of 3-6 on tall slender stems. Bloom in June and July.

**41. FUNKIA LANCIFOLIA.** Produces an abundance of long, narrow leaves with blue flowers in August.

**42. GAILLARDIA (Blanket Flower).** Flowers are a brilliant blending of red, yellow and brown. Bloom all summer. Unexcelled for cutting.

**43. ★GARDEN PINKS, DOUBLE.** Lovely fragrant pink flowers—bloom until late fall. Will grow in any soil—do best in sunny position.

**44. HOLLYHOCKS.** Tall stately perennials, growing from 3 to 6 feet high. There is nothing lovelier than a group of Hollyhocks in bloom in the perennial border.

**45. LARKSPUR (Delphinium).** One of the showiest and best perennials, useful as a background for low growing plants. Grows 3 to 5 feet tall, with spikes of rich blue flowers in June and July. If cut back and not allowed to go to seed, will flower again in fall.

**46. ★MYOSOTIS (Forget-Me-Not).** Dainty blue flowers—fine for dwarf border or rock garden. Blooms May to September.

**48. PHLOX, HARDY.** Beautiful hardy border plants, with clusters of crimson, pink, white and mauve flowers in July and August. Plants grow from 2-3 feet high. 3 for 75c, 6 for \$1.35.

**49. SWEET WILLIAM (Dianthus barbatus).** One of the showiest perennials. Blooms in June and July. Mixed colors, ranging from deep crimson to white. Plant in masses.

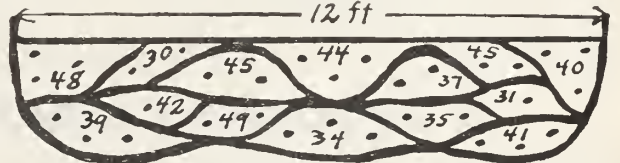
**50. ★ROCK GARDEN SEDUM.** Charming plants for the Rock Garden. A variety of foliage and bloom, yellow, white and pink. Sedums are essential for a good Rock Garden.

**51. VERONICA (True Blue).** Plants grow strong and upright, in dense clumps, producing thick spikes of intense blue flowers from July to September.

Price, except as noted: 3 plants for 60c, plus 5c postage; 6 for \$1.00, plus 8c postage; 12 for \$1.75, plus 10c postage. We cannot accept orders for plants under 60c. Please order at least 3 of a kind and allow for postage.

## PERENNIAL BORDER COLLECTION

There will be cut flowers continuously for the home and this colorful border will make your landscape outstanding. It will cover a space of approximately 12 ft. by 4 ft. wide.



Plants	Variety	Color
2 Autumn Daisy	No. 37	White
1 Baby Breath	No. 31	White
4 Larkspur	No. 45	Blue
2 Columbine	No. 35	Mixed colors
3 Day Lily	No. 40	Gold
3 Funkia	No. 41	Blue
1 Gaillardia	No. 42	Reddish brown
3 Hollyhock, double	No. 44	Pink
2 Carpathian Harebell	No. 34	Blue
2 New England Aster	No. 30	Purple
3 Phlox	No. 48	Mixed colors
3 Early Shasta Daisy	No. 39	White
2 Sweet William	No. 49	Mixed colors

Special Price, \$4.75

32 Plants, value \$6.55. Special price, \$4.75. Postage 30c extra.



## HARDY SPECIMEN EVERGREENS

The bright, warm foliage of the Evergreen is a most welcome note in the landscape. For their winter cheer, especially, they cannot be excelled. In this northern section where the winters are long, their cheerful, green color, in contrast with the snow, is a continual source of pleasure. Modern plantings nearly all include evergreens some place on the grounds. See page 34 for specimen Evergreens in natural colors.



Black Hills Spruce.

**E-1—AMERICAN ARBOR-VITAE.** One of the most valuable native Evergreens that is very easy to grow. The American Arbor-Vitae will thrive in most any situation—is suitable for ornamental planting, hedging or windbreak. Can be easily controlled by trimming. Price: Specimen stock, twice transplanted, 18 to 24 inches 70c each, 2 trees for \$1.25. 2 to 3 feet 85c each, 2 trees for \$1.55.

**E-2—PYRAMIDAL ARBOR-VITAE.** The outstanding dwarf ornamental Evergreen for home planting. Can be used close to the house or walk. Most effective in groups or pairs when used for ornamental planting. Grows compact and is of natural pyramidal form. Twice transplanted trees, shipped balled and burlapped. Price: 18 to 24 inches \$2.35 each, 2 trees for \$4.60. 2 to 3 feet \$3.50 each, 2 trees for \$6.80.

**E-3—JUNIPER PFITZERIANA.** A highly ornamental Dwarf Evergreen, popular and hardy. Excellent for rock gardens. Immune from plant pests of all kinds. Assumes attractive, low, broad, irregular form, and can be sheared to any size or shape. Suitable for foundation planting and low dense mass effects. Price: 12 to 18 inches \$2.50 each, 2 trees for \$4.90.

**E-4—DWARF MUGHO PINE.** A very hardy, dwarf, bushy and compact tree. Easily controlled by trimming. Will thrive in most any location. Requires but little space and is especially desirable for landscape planting and foreground position. Dark rich green foliage with long stiff needles. Twice transplanted. Price: 10 to 12 inches \$1.45 each, 2 trees for \$2.70, 12 to 15 in. \$1.95, 2 for \$3.70.

**E-5—BLACK HILLS SPRUCE.** An exceptionally fine Evergreen, extensively used for landscape planting, also for windbreak. This Evergreen belongs to the White Spruce family; grows very bushy, compact and symmetrical. Has unusually thick foliage and is easy to grow. We offer choice specimen trees with a well developed root system, twice transplanted. Price: 12 to 18 inches 70c each, 2 trees \$1.30. 18 to 24 inches \$1.20 each, 2 trees \$2.25.

**E-6—COLORADO BLUE SPRUCE (Silver Blue).** A most beautiful Evergreen from the Rocky Mountain district. Is perfectly hardy, with heavy foliage and short stiff needles. Very symmetrical and graceful. The foliage is of a beautiful silver-blue color. Well rooted, and twice transplanted. Shipped with ball of earth and burlapped. Price: 18 to 24 inches \$10.00 each.

**E-7—COLORADO BLUE SPRUCE (Green).** Belongs to the same family as the silver-blue variety though foliage is of a bluish-green. Very effective to plant for landscape work. Twice transplanted, well rooted trees, balled and burlapped. Price: 12 to 18 inches \$1.35 each, 2 trees for \$2.65. 18 to 24 inches \$2.15 each, 2 trees for \$4.10.

Will ship any of the above specimen trees not quoted with ball of earth and burlapped for 60c extra.

Windbreak Evergreens on page 39.

F. S. & N. Co.

*I wish to send you a little note of appreciation. The two Black Hill Spruce that you replaced for me at half price for the ones that died last year came this morning and I was much surprised when I unpacked them. They were much nicer trees than the ones I bought last year. I thank you.*

May 5, 1931.

Dr. C. E. Krosch, Blue Earth, Minn.

## HARDY HEDGE PLANTS

**JAPANESE BARBERRY (Thunbergi).** A dwarf growing—uniformly bushy and rounded form. The numerous leaves densely cover the thorny twigs and make it compact and impassable. Grows from 2 to 3 ft. high and in autumn the foliage turns to crimson scarlet and bronze, with fire red berries which hang on all winter. Price: 2-year field grown, 10 plants \$1.25, 50 plants \$4.90.

**BUCKTHORN.** A very hardy shrub, extensively used for hedges. Covered with pretty white blossoms in the spring and red berries in the fall. Very hardy and will do well anywhere. Can be easily controlled by trimming. Price: 2-year field grown, 10 plants \$1.00, 50 plants for \$4.80.

**SIBERIAN HEDGEWOOD.** A most satisfactory hedge shrub for the Northwest. Has dark green foliage, purplish green twigs and will form a dense hedge if trimmed regularly. Very quick growing and perfectly hardy; will do well anywhere. Price: 12-18 in. field grown, 25 plants \$1.65, 50 plants for \$2.75.

**SPIREA VAN HOUTTEI.** The well known hardy shrub which will thrive anywhere. Your hedge will have the appearance of a bank of snow when in full bloom in May. Price: 2-year field grown plants, 10 plants \$1.00, 50 plants \$3.25.

**CARAGANA.** Perfectly hardy anywhere, producing racemes of yellow flowers in early spring. Foliage light green with silvery background. Price: 2-year field grown plants, 10 plants \$1.00, 50 plants \$2.90.

**AMERICAN ARBOR VITAE.** Makes a very graceful hedge and can be easily controlled by trimming. Will thrive in most any situation. Most desirable on account of its green color throughout the year. Price: transplanted stock, 12 to 18 inches, 10 plants \$1.85, 50 plants \$7.75.



Japanese Barberry Hedge.

### FREE WHILE THEY LAST

500 PEAR TREES,  
500 ROSES AND FLOWERING SHRUBS.

Given as premiums with early orders—See our Special Offer on page 31.

## \$1.00 NURSERY BARGAINS—Exceptional Values

We offer a group of exceptional nursery bargains, to convince you of the unusual buying power of a dollar in dependable nursery stock. We cannot divide, alter or change these bargain offers in any manner. Make your choice and order by Lot number—at \$1.00 for each selection, prepaid. Or 6 for \$5.45, prepaid.

- Lot A—50 Chinese Elm, 9-12 in. .... \$1.00
- Lot B—25 Scotch Pine—seedlings, 6-8 in. .... 1.00
- Lot C—25 Norway spruce—seedlings, 6-8 in. .... 1.00
- Lot D—10 Colorado Blue Spruce—seedlings, 6-8 in. .... 1.00
- Lot E—10 Spirea Van Houttei, 12-18 in. .... 1.00
- Lot F— 8 Hydrangea P. G., 12-15 in. .... 1.00
- Lot G— 5 Roses: Dorothy Perkins, pink; Crimson Rambler, crimson; Hansa, red; Sir Thos. Lipton, white; Princess Adelaide, pink ..... 1.00
- Lot H—15 Genuine Latham Raspberry ..... 1.00
- Lot I—15 Cumberland Black Raspberry ..... 1.00

**Your Choice  
Any Lot  
\$1.00  
PREPAID  
6 FOR  
\$5.45**

- Lot J— 8 Beta Grape ..... 1.00
- Lot K—10 Concord Grape ..... 1.00
- Lot L—10 Nanking Seedling Cherry ..... 1.00
- Lot M—15 Apple Grafts: 5 Whitney, 5 Wealthy and 5 of the famous Haralson ..... 1.00
- Seedling Hedging Bargains
- Lot N—20 Caragana, 12-18 in. .... 1.00
- Lot P—15 Japanese Barberry, 9-12 in. .... 1.00
- Lot R—15 Siberian Hedgewood, 12-18 in. .... 1.00
- Lot S—20 Buckthorn Seedlings, 6-12 in. .... 1.00







# GORGEOUS PEONIES

FROM AMERICA'S PEONY CAPITAL



Sarah Bernhardt—Apple blossom pink.

The Peony is the ideal flower for the Northwest as it is absolutely hardy and even the rose cannot excel it in coloring, beauty and fragrance. A few choice Peonies will transform your home yard or garden into a source of real pleasure, and increase in beauty year after year. Set the roots so that the eyes are 2-2½ inches below the surface. Press down firmly, being careful not to injure the buds. Allow a spacing of 3 feet between the plants. Peonies prefer an open sunny position.

We offer strong field grown stock with 3-5 eye divisions.

**ADOLPHE ROSEAU.** Deep rich velvety red; the best early dark red variety. A wonderful show flower as well as a fine landscape variety. Each \$1.00, prepaid.

**BARONESS SCHROEDER.** One of the finest peonies grown. Buds are a delicate blush, but flowers open to pure milky white. Comes into bloom late, after most of the white peonies have gone. Each, \$1.00, prepaid.

**COURONNE D'OR.** Pure white with circle of golden stamens around center petals, which are tipped with carmine. Large full flowers of perfect form. Excellent for cutting. Late. Each 65c, prepaid.

**EDULIS SUPERBA.** Brilliant deep rose pink with silvery reflex. Very large flowers on tall strong stems. Very free flowering and fragrant. The best early deep pink. Each 65c, prepaid.

**EUGENIE VERDIER.** Beautiful hydrangea pink with center flushed crimson. Extra strong stems. Mid-season. Fragrant. An ideal pink variety. Each 75c, prepaid.

**FARIBAULT.** Deep rose with a silver sheen. Center petals are silver tipped. Very free bloomer with long strong stems. Wonderful as a cut flower. Fragrant. Late mid-season. Each, 1.00, ppd.

**FELIX CROUSSE.** Deep rose-red flowers with an entire absence of stamens. A profuse bloomer. Blossoms are large and globular, of perfect form. Late mid-season. Each 85c, prepaid.

**FESTIVA MAXIMA.** The most popular white peony. Center flaked crimson. Early and very large. Each 65c, prepaid.

**KARL ROSENFELD.** One of the most celebrated red varieties. Immense flowers of a brilliant rich red color. Slightly fragrant. We especially recommend it. Each \$1.00, ppd.

**LONGFELLOW.** A beautiful bright red with cherry tones. Considered one of the best reds, as it neither fades nor turns dark. Unexcelled as a landscape variety. Each \$2.00, prepaid.

**MARIE CROUSSE.** A delicate shell-pink, bordering on salmon. Stiff, upright stems. Fragrant. Late mid-season. Distinct in color from any other pink. Each \$1.00, prepaid.



German Iris.

**MARY BRAND.** Immense deep red flowers with a wonderful silken sheen. Blooms in mid-season, many of the stems bearing three or four large blossoms. Delightfully fragrant. Each \$1.00, prepaid.

**MONS. JULES ELIE.** An exquisitely lovely, self colored flesh pink peony, shading deeper toward the base of the petals. Greatly resembles a giant pink chrysanthemum. One of the finest peonies grown. Each 90c, prepaid. Illustrated in color on page 52.

**SARAH BERNHARDT.** A lovely apple blossom-pink, with each petal silver tipped. Plants are tall and strong, of the semi-rose type. Blooms late mid-season. This beautiful peony should be in every garden. Each \$1.00, prepaid.

**SPECIAL NAMED PEONY OFFER**  
One each—Red, Pink and White—Our selection for \$1.50, prepaid.  
Three each—All different named varieties and colors—9 for \$3.85, prepaid.

## CHOICE IRIS

Easy to grow—Colorful in the Garden—Unexcelled for Cutting.

Iris should be planted in a well drained, sunny position. Place the roots just deep enough to be covered with soil, as the bulb or rhizome should be just below the surface of the ground.

**AMBASSADEUR.** Standards reddish-violet; falls velvety purple maroon. A magnificent Iris. Each 30c, prepaid.

**APACHE.** Indian red. A new and interesting color. Strikingly beautiful. Each 40c, prepaid.

**FLAMMENSCHWERT.** Standards bright Empire yellow; falls rich deep brown with intense yellow border. Each 30c, prepaid.

**GOLD IMPERIAL.** Clear golden yellow. Plant with Zanardalia for beautiful color effect. Each 30c, prepaid.

**LORD OF JUNE.** Standards light lavender-blue; falls lavender-violet. Immense flowers. Each 40c, prepaid.

**MADAME CHEREAU.** Pure white with a frilled edge of clear blue. Each 20c, prepaid.

**MORNING SPLENDOR.** Standards petunia-violet; falls velvety purple. General effect rich crimson. Fragrant. Each 40c, prepaid.

**PALLIDA DALMATICA.** Exquisite clear lavender-blue flowers on tall strong stems. Each 25c, prepaid.

**RHEIN NIXE.** Standards white; falls violet-blue, edged white. Each 20c, prepaid.

**SEMINOLE.** A rich velvety crimson with frilled petals. The best Iris of its color. Each 30c, prepaid.

**SHEKINAH.** Delicate yellow, deepening to amber in throat. Orange beard. Each 30c, prepaid.

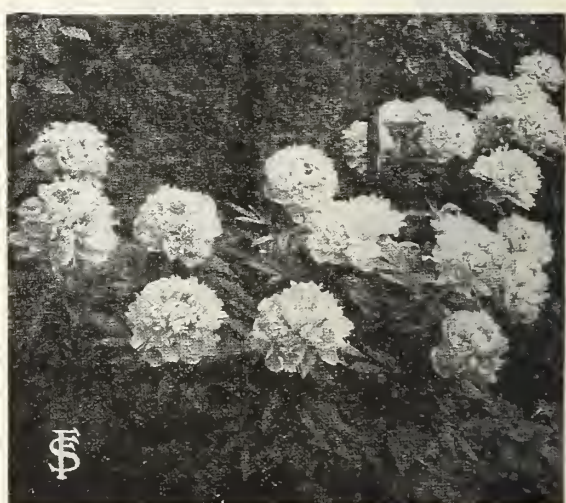
**SOUVENIR DE MME. GAUDICHAU.** Deep velvety purple. Tall, early and very distinct. Each 40c, prepaid.

**SUSAN BLISS.** Orchid-pink flowers of perfect form and rare beauty. Each 40c, prepaid.

**ZANARDALIA.** The best clear blue Iris. Very striking. Each 20c, prepaid.

**THREE POPULAR PEONIES**  
Edulis Superba—deep rose-pink..... \$1.75  
Festiva Maxima—early white..... Prepaid  
Felix Crousse—rose-red..... Prepaid

**THREE EXCLUSIVE PEONIES**  
Marie Crousse—shell-pink ..... \$2.25  
Couronne d'Or—white ..... Prepaid  
Karl Rosenfeld—red ..... Prepaid



Acres of the World's Finest Peonies.



# HARDY GARDEN LILIES

Lilies are so incomparably beautiful, that no garden is complete without them. They are perfectly hardy and easily grown in any good garden soil.

**How to plant**—Spade the ground to a depth of 2 feet, and enrich with well-rotted barnyard fertilizer and leafmold. Place a handful of sand under and around each bulb to insure good drainage and prevent rotting.

**Location**—The shrubbery or hardy border is an ideal location for lilies as they like sunshine on their tops and shade about their roots, and the background of foliage shows their flowers to best advantage.

**AURATUM.** Gold Banded Lily of Japan. 4-6 ft. Large fragrant flowers of a delicate ivory-white, richly spotted with crimson and striped with golden yellow. Set bulbs 10-12 inches deep. Each 35c, 3 for 90c, prepaid.

**RUBRUM.** Exquisite fragrant white lilies, beautifully striped and spotted with rose and crimson. Petals are recurved and waxlike. Plants do not grow quite as tall as the Auratums. Each 40c, 3 for \$1.00, prepaid.

**HENRYI.** 4-6 ft. A handsome lily from central China. Produces branching heads of soft orange-yellow flowers with reflexing petals. Very striking. Bulbs should be set 10-12 inches deep. Each 70c, prepaid.

**REGALE.** The Queen of Lilies. 4-5 ft. This beautiful Chinese lily bears large white trumpet-shaped flowers, with centers flushed yellow. Reverse of petals a lovely deep rose. Each 25c, 5 for \$1.00, prepaid. Illustrated in color on page 52.

**TENUIFOLIUM.** (Coral or Fern-Leaved Lily.) 1½-2 ft. Dainty little flowers of a brilliant coral-red are borne in clusters on slender stems, with finely cut fern-like foliage. Set bulbs 7 inches deep. Excellent for the rock garden or border. Each 25c, 3 for 60c, prepaid.

**DOUBLE TIGER.** This brilliant lily should be in every hardy garden. It is one of the hardiest of all lilies, and spreads rapidly. Flowers are borne in clusters, and are double, deep orange, with black spots. Each 20c, 3 for 50c, prepaid.

**GOLDEN DAY LILY.** (Hemerocallis.) 1½-2 ft. Beautiful hardy perennials belonging to the lily family. Plants have long narrow leaves and produce orange-yellow flowers in clusters of 3-6 on tall slender stems. Each 20c, 3 for 50c, prepaid.

**ISMENE CALATHINA.** (Peruvian Daffodil.) Not hardy. Lovely large amaryllis-like flowers of pure white, borne 3-4 on a stem. Plant outdoors in June. Bulbs may be taken up in October, stored in a cool dry place for several weeks, and then potted and flowered in the house in winter. Each 25c, 3 for 50c, prepaid.

For Non-Hardy Lilies, see page 45.

## Special Lily Bulb Collection

No finer assortment of Lilies could be found anywhere, and here is a real bargain: 1 Auratum, 1 Rubrum, 1 Regal, 1 Amaryllis, 2 Golden Day Lilies. 6 bulbs in all (regular value \$1.90), all for \$1.50, prepaid.



Hardy Auratum Lily.

**CINNAMON VINE.** A beautiful climber—growing 30 ft. in a single season. Easily trained. It has glossy heart-shaped foliage and produces clusters of delicate white flowers, very fragrant. Especially hardy and will thrive anywhere. Strong roots 15c each, 3 for 40c, prepaid.

**MADEIRA VINE.** Called the climbing Mignonette. Has small white feathery flowers; light green leaves, heart-shaped and is a rapid grower. Fine for arbor, trellis or summer houses. A free, constant bloomer—not hardy. Large bulbs 10c each, 3 for 25c, dozen 90c, prepaid.

For Hardy Vines, see page 36.



Giant Hybrid Amaryllis.

## GIANT HYBRID AMARYLLIS.

Magnificent house plants with handsome broad dark green leaves and gigantic flowers of perfect form and gorgeous beauty. The colors range from almost pure white, through various shades of pink to the deepest scarlet and maroon, some with mottled throats and beautiful markings. Complete cultural directions will be sent with order. Strong bulbs in choicest mixture only. Each 50c, 3 for \$1.25, prepaid.

## THE FIRST FLOWERS OF SPRING

ORDER NOW, DELIVERY WILL BE MADE AT PLANTING TIME IN FALL.  
CHOICEST TULIP VARIETIES

	Each	Dozen
LA FIANCEE (Darwin). Deep rose, edged soft pink.....	\$.09	\$0.90
DREAM (Darwin). Beautiful soft lavender.....	.07	.65
FEU BRILLIANT (Darwin). Intense clear scarlet.....	.08	.75
PRESIDENT TAFT (Darwin). Deep crimson-maroon.....	.08	.75
DOM PEDRO (Breeder). Coffee-brown, shaded old gold.....	.08	.75
LOUIS XIV (Breeder). Rich purple, edged golden bronze.....	.07	.65
INGLESOMBE YELLOW (Cottage). Bright canary-yellow....	.06	.50
INGLESOMBE PINK (Cottage). Salmon-pink, with blue base.....	.07	.60
ORANGE KING (Cottage). Glowing deep orange. Very fragrant	.07	.70
PICOTEE or MAIDEN'S BLUSH (Cottage). Pure white, margined rose.....	.07	.60

## SPECIAL RAINBOW TULIP COLLECTION—30 BULBS

Three of each of the above ten named varieties for \$1.75, prepaid.

SINGLE EARLY TULIPS—Mixed colors.....Doz. 55c, prepaid  
DOUBLE EARLY TULIPS—Mixed colors.....Doz. 55c, prepaid  
PAPER WHITE NARCISSUS—Pure white star-like flowers. Very fragrant. Can be grown in bowls with stones and water.....3 for 25c, doz. 95c, prepaid

Write for Special Fall Bulb Circular, ready September 15th.



Beautiful Long-Stemmed Darwin Tulip.



# THE BEST IN GLADIOLI

Gladioli have become the favorite summer flowers, because of their beauty, ease of culture, and usefulness. By planting early and late sorts and making a succession of plantings, two weeks apart, flowers may be had from the middle of July until October. Plant gladioli among perennials, and in front of shrubbery, and set out a few rows of them in the vegetable garden, for cut flowers.

## TEN SUPERB NEW GLADIOLI

**DR. F. E. BENNETT.** Peach-red, overlaid with flame-scarlet. The most perfect red we have ever seen. Each 8c, doz. 80c.

**FERN KYLE.** Large heavily ruffled flowers of creamy white. A wonderful exhibition variety. Each 8c, doz. 80c.

**GOLDEN DREAM.** Clear deep golden yellow. Large flowers on tall, strong stems; many open at one time. Each 10c, doz. \$1.00.

**JOHN T. PIRIE.** Mahogany-brown with yellow bordered throat. Very unusual and exceptionally beautiful. Each 8c, doz. 80c.

**LOS ANGELES.** Beautiful shrimp-pink with glowing orange-carmine blotch in throat. Very tall and graceful. Each 6c, doz. 65c.

**MARMORA.** Lavender-grey with petunia-colored blotch in throat. A wonderful color combination, and the best exhibition novelty to date. Each 20c, doz. \$2.25.

**MRS. P. W. SISSON.** Immense ruffled flowers of softest cameo-pink, with creamy white throat. Very choice. Each 8c, doz. 80c.

**PINK WONDER.** Soft La France pink, flaked geranium pink. Chartreuse-yellow throat overlaid with rose feathering. Often produces 17 blooms to the spike. A wonderful Glad. Each 8c, doz. 80c.

**SCARLET PRINCEPS.** Intense scarlet, with a massive arrangement of flowers on stem. Very distinct. Each 5c, doz. 50c.

**VEILCHENBLAU.** A lovely, clear violet-blue. Especially beautiful combined with Golden Dream. Each 25c, doz. \$2.35.



Mrs. Frank Pendleton—a lovely rose-pink.

### SPECIAL NOVELTY COLLECTION

One each of above 10 new varieties, prepaid.....90c Ppd.

Two Collections for \$1.65, Prepaid.

## CHOICE NEW and STANDARD SORTS

**ALICE TIPLADY.** Bright orange-saffron, with buff-yellow throat. Each 5c, doz. 50c.

**ANNA EBERIUS.** Rhodamine-purple with deep amaranth-purple blotch. Very unusual and attractive. Each 6c, doz. 65c.

**CRIMSON GLOW.** Deep scarlet-crimson flowers on tall, strong spikes. Each 5c, doz. 50c.

**EARLY SUNRISE.** A striking red with orange-salmon shadings. Each 6c, doz. 65c.

**EVELYN KIRTLAND.** Shell-pink, shading to deeper pink at edges of petals. Brilliant scarlet blotch in throat. Each 6c, doz. 65c.

**GOLD.** A rich deep yellow that is a great favorite with all who have grown it. Flowers are very large and of good substance. Each 8c, doz. 80c.

**HALLEY.** Exquisite salmon-pink with creamy yellow blotch on lower petals. Very early and extra fine for cutting. Each 6c, doz. 65c.

**JACK LONDON.** Light salmon, with vermilion stripes and canary-yellow throat. Perfectly placed flowers on strong stems. Each 8c, doz. 80c.

**JOE COLEMAN.** Beautiful rich red with deeply ruffled petals. Each 6c, doz. 65c.

**LOUISE.** Large orchid-like flowers of an exquisite lavender shade, with light purple blotch in throat. Each 6c, doz. 65c.

**MARY PICKFORD.** Pure white with soft sulphur-yellow throat. Very distinct and beautiful. Each 6c, doz. 65c.

**MR. MARK.** Beautiful violet-blue, with amaranth-purple blotch on lower petals. Combines well with yellow varieties for cutting. Each 8c, doz. 80c.

**MRS. DR. NORTON.** Delicate flesh-pink with creamy throat. Lower petals penciled carmine. Each 6c, doz. 65c.

**MRS. FRANCIS KING.** Brilliant salmon-pink, shaded vermilion. Extra tall, straight spikes. Each 5c, doz. 50c.

**MRS. FRANK PENDLETON.** Very large rose-pink with rich maroon blotch on lower petals. Each 6c, doz. 65c.

**MRS. H. E. BOTHIN.** Geranium-pink with flaming scarlet center. Flowers heavily ruffled. Each 8c, doz. 80c.

**MING TOY.** A wonderful buff on Chinese yellow. Giant-flowered and very distinct. Excellent for cutting. Each 8c, doz. 80c.

**PURPLE GLORY.** Large ruffled flowers of deep maroon, with almost black blotch in throat. Each 8c, doz. 80c.

**SOVEREIGN.** An improvement on the purple Baron Hulot, with much larger flowers. Each 15c, doz. \$1.75.

### BLUE RIBBON COLLECTION

24 bulbs standard sorts selected from outstanding varieties as Crimson Glow, Early Sunrise, Gold, Louise, Halley, Mrs. Bothin, etc.....Prepaid

We offer only state inspected, large blooming size bulbs.



W. H. Phipps. Unusual both in size and color.

**W. H. PHIPPS.** A superb Glad of soft flesh-pink, shaded salmon-rose; lower petals faintly striped and flaked. Each spike produces 18-20 blossoms, which usually open at one time, forming a plume of exquisite color. Each 10c, doz. \$1.00.

**TREASURE GARDEN COLLECTION.** A choice mixture. Doz. 35c, 50 for \$1.25, 100 for \$2.25, prepaid. See colored illustration page 52.

**"ALL ABOUT GLADIOLUS"** by F. F. Rockwell. 45 illustrations, 79 pages. Cloth bound, postpaid, \$1.00.

The best brief guide on gladiolus growing. Tells how to plant, fertilize and cultivate; how to grow from seed or bulblets; how to harvest and cure; how to handle for cut flowers; and every other detail needed for success with this popular flower.



# DAHLIAS

**NEW AND CHOICE STANDARD VARIETIES**

Our prices are for strong tubers, dormant stock, and include postage.  
Leaflet on Dahlia Culture free upon request.

**RODMAN WANAMAKER.** Decorative. The greatest autumn colored Dahlia ever produced. Buds are pale yellow and as the flower expands it develops into a golden salmon-pink with a yellow center. Of exquisite form on long, stiff stems. Each 75c, prepaid. Illustrated in color on page 52.

**TOMMY ATKINS.** Decorative. A vivid scarlet that is entirely distinct. Giant flowers on long erect stems. Its exceptional color attracts immediate attention. Each 50c, prepaid. See page 52 for colored illustration.

**BASHFUL GIANT.** Decorative. An exquisite apricot with buff and gold tints. One of the largest Dahlias produced; excellent for exhibition purposes. Each 35c, prepaid.

**CLAIRE KULP.** Hybrid Cactus. Rich cardinal red shaded garnet, with just a touch of yellow at base of petals to set off the red most effectively. Flowers often measure 10 inches in diameter. Outstanding both in size and color. Each 40c, prepaid.

**MADONNA.** Decorative. White with a suffusion of soft lavender-pink. Very fine large flowers. Each 40c, prepaid.

**PINK ROSEBUD.** Cactus. One of the loveliest Dahlias grown. Buds resemble long pointed rose buds, opening to a perfect cactus form, always full to the center. The color is an exquisite pure pink. Each 25c, prepaid.

**SUSAN G. TEVIS.** Decorative. Bright rich lilac shading to blue. A strong, vigorous grower. Produces large beautiful flowers on long stiff stems. Each 40c, prepaid.

**SPRINGTIME.** Hybrid Cactus. Well-formed flowers of a rich, creamy white color on stiff, slender stems. Very distinct. Each 35c, prepaid.

**JEAN CHAZOT.** (Or Gay Paree). Cactus. Flowers a beautiful golden bronze, shaded nasturtium red. Graceful, with long stems. A profuse bloomer. Each 30c, prepaid.

**JACK ROSE.** Decorative. Brilliant crimson-red flowers. Fine for the garden and for cutting. The most popular crimson. Each, 20c, prepaid.



Cactus Dahlia, Pink Rosebud.

**THE LEMONADE.** Decorative. Huge flowers of a beautiful clear lemon yellow, on long, stiff stems. The best yellow for cutting and a splendid keeper. Each \$1.00, prepaid.

**ZEUS.** Decorative Paeony. A wonderful rich glowing red, each petal distinctly tipped gold. The giant blooms are so artistically built, and so richly colored they attract attention wherever grown or exhibited. Each \$1.15, prepaid.

**JERSEY'S BEAUTY.** Decorative. The finest pink Dahlia to date. Color a vivid rose-pink, without a trace of lavender. The massive flowers are of perfect form, and held erect on long, strong stems. Each 50c, prepaid.



Cannas, The President.

**SPECIAL MERIT COLLECTION**

One	}	Bashful Giant .....	<b>\$1.00</b>
of		Claire Kulp .....	
Each	}	Madonna .....	Prepaid

**PRIZE GARDEN COLLECTION**

One	}	Pink Rosebud .....	<b>60c</b>
of		Jean Chazot .....	
Each	}	Jack Rose .....	Prepaid

Every flower lover should have "The Flower Educator"—a complete guide with quick reference index. Many illustrations and diagrams, 600 pages, pocket size. Price \$1.50. See page 84.

**BLUE RIBBON COLLECTION**

One each of the above	<b>\$2.15</b>
3 choice varieties for.....	

These are the Dahlias that create a sensation wherever shown. They will stamp yours as an outstanding garden.

**MIXED DAHLIAS.** Includes all different types, varieties and colors. 3 for 40c, 6 for 65c, prepaid.

## CANNAS

Unsurpassed for showy beds, borders, and formal plantings. Roots may be started indoors in April, and set out in June when all danger of frost is past. We offer dormant roots of first quality.

**THE PRESIDENT.** 4 ft. Immense flaming scarlet flowers, 7 inches across when open. Petals firm and long standing. Foliage rich green and sun-proof.

**YELLOW KING HUMBERT.** 4 ft. Flowers a deep, rich yellow, softly spotted and blotched with crimson; measuring 5-7 inches across.

**KING HUMBERT.** 4 ft. A gold medal Canna. Broad tropical foliage of bronze color. Immense orange-scarlet flowers.

**APRICOT.** 4 ft. Flowers with buff yellow base overspread with salmon pink, making a rich apricot effect. Green foliage. Resistant to heat and wind.

**MRS. ALFRED CONRAD.** 4 ft. The best salmon pink variety—green foliage. Very free bloomer—robust, upright, stalks.

**CITY OF PORTLAND.** 3½ ft. Deep pink. Extra fine flower that holds its colors without fading. Green foliage. Price: Any of the above, 15c each, 6 for 70c, dozen \$1.25, prepaid.

**SHOWY CANNA BED COLLECTION**

For a circular bed 7 ft. diameter, requiring 19 plants, we suggest for the center, 7 King Humbert or The President and 12 City of Portland. These make a gorgeous combination. The center of the bed should be 4 to 6 inches higher than the level of the lawn. An effective border would be Coleus, Salvia or Dusty Miller. 19 Cannas, your choice, \$1.85, prepaid.

**\$1.85**



Decorative Dahlia, Jersey's Beauty.



### Miscellaneous Greenhouse Plants

#### GIANT FREE BLOOMING FUCHSIAS

**PHENOMENAL.** Scarlet flowers, purple corolla. Each 34c, 3 for 98c.  
**PURPLE PRINCE.** Sepals carmine, corolla lilac. Each 32c, 3 for 92c.  
**GLOIRE DES MARCHES.** Deep scarlet and white. Double. Each 32c, 3 for 92c.  
**SPECIOSA.** Tube and sepals carmine. Each 31c, 3 for 89c.  
**BLACK PRINCE.** Carmine rose, extra large. Each 34c, 3 for 98c.



Hibiscus Peachblow.

**HIBISCUS PEACHEBLOW.** Novelty with double pink flower and deep crimson center. Splendid house-plant. Each 35c, 3 for \$1.01. Larger size 84c.

**SAFE DELIVERY AND SATISFACTION GUARANTEED**



Trailing Velvet Plant.

**TRAILING VELVET PLANT.** Beautiful plant for pots, vases and baskets. Of bushy spreading habit with finely marked leaves. Showy carmine flowers; velvety bluish-maroon foliage. Each 24c, 3 for 69c.

**CHRISTMAS CACTUS.** Early flowering crimson scarlet variety. Long drooping flowers in great profusion. Each 59c, 3 for \$1.72.

**WATER HYACINTH.** Color a magnificent lilac-rose. Shining green leaves; beautiful as orchids with spikes of lovely blooms. Each 25c, 3 for 60c.

**GLOXINIAS.** Bloom in six or eight weeks from time bulbs are planted and will continue in bloom for three months. Mixed colors, covering shades of white, red, violet, etc. Each 42c, 3 for \$1.21.



Richly Colored Gloxinia.



Mammoth Leaved Rex Begonia.

#### BEGONIAS

**MAMMOTH LEAVED REX BEGONIA.** It produces elegant mammoth leaves of rich metallic lustre, and colors blending from brightest green glistening silver and orange to beautiful plum hues. Each 50c, 3 for \$1.45.

**HARDY BEGONIA (Evansiana).** An exceptionally valuable plant of rapid, healthy growth. Beautiful pink clusters of blossoms and buds. Each 52c, 3 for \$1.50.

**CHRISTMAS RED BEGONIA.** Foliage rich glossy green, shaded deep bronze. Flowers exquisite, bright cherry red. Each 31c, 3 for 89c.

**BEEFSTEAK BEGONIA.** Its circular leaves of heavy texture, red beneath, above a glossy olive-green, oil-like cast make it an outstanding variety. Dainty flowers are exquisite coral-red. Each 36c, 3 for \$1.04.

**WATERMELON BEGONIA.** Excellent for house, window or table. Leaves are variegated white and green, thick and waxy. Each 34c, 3 for 98c.



Chrysanthemum, Mrs. Waits

#### GIANT CHRYSANTHEMUMS

**MRS. WAITS.** Beautiful deep bronze. Each 25c, 3 for 72c.

**GOLDEN GLORY.** Rich golden yellow. Each 25c, 3 for 72c.

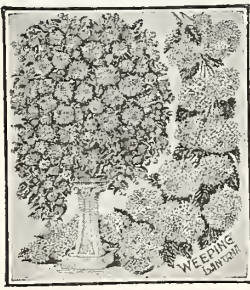
**UNAKA.** A lovely deep rose-pink. Each 23c, 3 for 66c.

**L. AFRICAINE.** Magnificent dark red. Each 36c, 3 for \$1.04.

**OCONTO.** An exquisite pure white. Each 22c, 3 for 63c.

**OLEANDER.** Popular old-fashioned plant. Foliage dark green. Grows easily but should be rested in winter. Decorative, semi-double flowers. Pink or white, each 36c, 3 for \$1.04.

**DON'T LET YOUR PLANTS STARVE. TRY NU-LIFE PLANT FOOD, PAGE 79.**



Weeping Lantana.

**WEEPING LANTANA.** A very striking plant of trailing habit. Grows very rapidly and blooms continually, producing clusters of rosy-pink flowers. Foliage a beautiful dark green. Each 29c, 3 for 84c.

**BRAZILIAN PLUME PLANT.** Of easy culture requiring little attention. A strong rapid grower throwing out long shoots each of which is tipped with beautiful pink, plume-like flowers, the ends of each petal drooping in a most charming manner. Each 28c, 3 for 81c.

**PINK FLOWERING WAX PLANT.** Produces beautiful pink flowers at all times. Of frosted wax-like appearance. Suitable for rock work, hanging baskets, also for a pot plant. Is of bushy growth and free flowering. Excellent. Price 31c, 3 for 89c.



Pink Flowering Wax Plant.

**PORCH BOXES on Page 28.**

**ALL PLANTS ARE POSTPAID.**



Brazilian Plume Plant.



Strawberry Geranium.

#### DOUBLE FLOWERING GERANIUMS

**BEAUTE POITEVINE.** Double flowers, rich salmon-pink. Each 32c, 3 for 92c, 12 for \$3.20.

**MADAME BUCHNER.** Flowers purest white. Each 31c, 3 for 89c, 12 for \$3.10.

**RADIO RED.** New, flame red flowers, large and double. Each 35c, 3 for \$1.01, 12 for \$3.50.

**ALPHONSE RICARD.** Bright vermilion scarlet, giant florets and trusses, semi-double. Each 32c, 3 for 92c, 12 for \$3.20.

**JEAN OBERLE.** Exquisite semi-double peach pink. Each 32c, 3 for 92c, 12 for \$3.20.

**DOUBLE SILVER-LEAVED GERANIUM, MRS. PARKER.** Deep green foliage, with a broad border of silvery white. Perfect double flowers, of a clear bright pink. Each 40c, 3 for \$1.16.

**STRAWBERRY GERANIUM.** A gem. Leaves striped with silver bands, blooms white. Long drooping tendrils, producing freely at joints. Each 34c, 3 for 98c.



Double Silver-Leaved Geranium.



# Miscellaneous Greenhouse Plants

## DECORATIVE FERNS



Baby Tears.

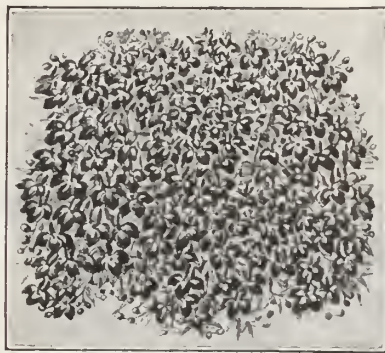
**BABY TEARS** (Helxine-Irish Moss). Compact, dense growing, with miniature leaves, neat habit, forming a rounded mass of moss-like foliage. Partially creeping or drooping which adds much to its attractiveness. Grows easily under living room conditions. Each 38c, 3 for \$1.10.

**BOSTON FERN.** Of easy culture and a very rapid grower, producing fronds of unusual length. Each 29c, 3 for 84c. Larger size 60c.  
**MAIDENHAIR FERN.** Graceful, rich green. Fronds have beautiful tasseled heads. Each 31c, 3 for 89c. Larger size 50c each.  
**OSTRICH PLUME FERN.** Feathery foliage, easily grown. One of the best. Each 38c, 3 for \$1.10.  
**ROOSEVELT FERN.** Fronds are broad and heavy, often four inches across and five or six feet long. Very graceful. Each 36c, 3 for \$1.04. Larger size 72c each.  
**ASPARAGUS SPRENGERII.** Valuable house plant of easy culture, sprays four to five feet long. Each 32c, 3 for 92c. Larger sizes 54c and 84c each.  
**ASPARAGUS PLUMOSUS.** Tall, climbing plants of delicate beauty. The fine, plume-like foliage is bright green. Fronds six to eight inches wide. Each 35c, 3 for \$1.01. Larger sizes 53c and 82c each.



Boston Fern.

**LEMON VERBENA**—The most delightfully fragrant foliage of any plant grown. One plant will scent an entire room with its wonderful lemon odor. Each 34c, 3 for 98c.



Trailing Blue Lobelia Sapphire.

**LOBELIA SAPPHIRE.** Beautiful trailing plant with large sapphire-blue flowers. A choice variety for pot culture, hanging baskets, and window boxes. Blooms profusely. Each 25c, 3 for 72c.

### CROWN OF THORNS (Euphorbia Splendens)

A curious plant with thick twining stems which are covered with sharp stout spines nearly an inch long. The foliage is bright green and the bloom a beautiful coral-pink. Each 30c, 3 for 87c.



Crown of Thorns.



Snake Plant.



Cineraria.

**P E L A R G O N I U M, EASTER GREETING.** Gorgeous in coloring. Fiery amaranth red. Each petal marked with black spot in center. Each 47c, 3 for \$1.36.



White Calla Lily.

**ST. BERNARD'S LILY (Anthericum).** Recurved dark green foliage with broad stripes of creamy white. Bears large spikes of white flowers. Each 41c, 3 for \$1.18.

**WHITE CALLA LILY.** Produces pure white blossoms in winter and spring. Grows freely. Each 41c, 3 for \$1.18.

## PORCH HYDRANGEAS

FOR THE PORCH, LAWN AND GARDEN

**RADIANT.** Deep rosy-carmine. Large showy leaves. Each 38c, 3 for \$1.10.

**PINK WONDER (Tropaeol).** Strong, erect flower heads, rich pink. Each 43c, 3 for \$1.24.

**MME. EMILE MOULLERE.** Immense fringed white flowers. Each 42c, 3 for \$1.21.

**GEN. DE VIBRAYE.** Gigantic bright rose blooms. Vigorous. Each 43c, 3 for \$1.24.

**BLUE BELL.** Exquisite light blue. Very popular. Each 43c, 3 for \$1.24.



French or Porch Hydrangeas.

WE CANNOT ACCEPT PLANT ORDERS UNDER 50c.

## YOU CAN ALSO GROW HOUSE PLANTS FROM SEEDS

**1075. ASPARAGUS FERN.** Graceful house-plants with finely-cut foliage. Good for hanging baskets, window boxes, etc. Pkt. 15c.

**1211. BEGONIA (Vernon).** Popular bedding and house-plants with handsome waxy reddish foliage, and orange scarlet flowers. Pkt. 10c.

**1251. DOUBLE RED CARNATION.** Glowing crimson flowers of spicy fragrance. Pkt. 15c.

**1293. CINERARIA.** Daisy-shaped flowers are produced in clusters in all shades of blue, purple, rose and maroon, in gay combinations. Pkt. 25c.

**1305. COLEUS.** Handsome foliage plants, valuable for window boxes, and house culture. Leaves are brilliantly marked and bordered. Pkt. 15c.

**1319. CYCLAMEN (Rose Shades).** Beautiful house-plants with handsome foliage and odd flowers of vivid colors. Seed germinates slowly. Pkt. 25c.

**1384. GERANIUM.** Attractive foliage and brilliant flowerheads, very fragrant. Easily grown from seed. Pkt. 10c.

**1723. PRIMULA MALICOIDES.** Charming winter-blooming house-plants with clusters of delicate lavender flowers. Pkt. 15c.

**1768. SOLANUM (Jerusalem or Christmas Cherry).** Compact bushy plants with small shiny leaves and bright scarlet berries. Easily grown from seed. Pkt. 10c.

**1920. DOUBLE ANNUAL WALLFLOWER.** Valuable house plants with large double flowers. Sweetly fragrant. Mixed colors. Pkt. 20c.



## THE BEST IN FLOWER SEEDS

### BEAUTIFY YOUR LAWN WITH FLOWERS

Our Flower Seeds are grown for us by leading American and European growers, and are true to name and color. They are carefully tested in our laboratories and we can honestly recommend everything we offer.

Annuals flower from seed sown the first year and die.

Biennials grow from seed the first season, flower and die the second season.

Perennials raised from seed do not flower until the second season, and if given winter protection continue to live and increase year after year.

Leaflet on "HOW TO GROW ANNUALS AND PERENNIALS" free upon request.

ALL FLOWER SEEDS ARE SENT POSTPAID IN U. S. A. PLEASE ORDER BY NAME AND BY NUMBER.

### ANTIRRHINUM—SNAPDRAGON

Beautiful annuals easily raised from seed. Plants are compact and bushy, with large flowers closely set on tall stems. If not allowed to go to seed, they will bloom throughout the summer and fall until killed by frost. Especially good for cutting.

#### GIANT FLOWERED SNAPDRAGONS

- 1048. ROSE QUEEN.** Brilliant rose-pink, with yellow lip. A lovely shade.  
**1049. APPLE BLOSSOM.** Delicate rose-pink with white throat. Exceptionally fine.  
**1050. COPPER KING** (Indian Summer). Velvety copper-red, shaded orange.  
**1051. GIANT HARMONY.** Rich terra cotta orange, shaded rose.  
**1052. BUNCH OF LILACS.** Deep lilac. Undoubtedly the best of its color.  
**1053. THE CARDINAL.** Scarlet, very like the beautiful bird for which it is named.  
 Price: Each of the above, pkt. 10c.

SPECIAL—One pkt. each above 6 varieties for 50c.

**1054. GIANT MIXED SNAPDRAGONS.** Pkt. 10c.

**1060. HALF DWARF SNAPDRAGONS.** Pkt. 10c, ¼ oz. 50c.



Anemone—Windflower.

**1020. ACHILLEA** (The Pearl). 2 ft. Hardy perennials of easy culture, producing an abundance of small, pure white flowers all summer. Good for cutting. Pkt. 10c.

**1022. ACONITUM Napellus** (Monkshood). 2½ ft. Attractive perennials with bold spikes of rich blue hood-shaped flowers in July and August. Do not plant near vegetable garden, as the roots are poisonous. Pkt. 10c.

**1024. ACROCLINIUM** (Everlasting). 20 inches. Pretty annuals with graceful daisy-like flowers, which if cut in the bud can be dried and used for winter bouquets. Pkt. 5c.

### AGERATUM

One of the best summer flowering annuals. Grows rapidly and blooms constantly all summer, even during the hot, dry weather. Excellent for borders, bedding or window boxes.

**1027. BLUE PERFECTION.** 9 in. Compact plants with clusters of feathery mauve-blue flowers. Pkt. 10c.

**1028. AGERATUM "FARAONE."** A fine new variety, named for its Italian originator. Buds open bright blue and when in full bloom become slightly shaded with rose, producing a lovely color effect. Plants are very dwarf and compact. Pkt. 15c.

### ALYSSUM, SWEET

Valuable for borders and cut flowers. Bloom all summer. Delicately fragrant.

**1032. LITTLE GEM** (Carpet of Snow). Annual. Completely covered with snow-white blossoms. Oz. 50c, pkt. 5c.

**1033. LILAC QUEEN.** Very dwarf annuals with delicate lavender flowers. Pkt. 10c, ¼ oz. 30c.

**1034. SAXATILE COMPACTUM** (Basket of Gold). Hardy perennial, fine for borders and rock gardens. Produces a mass of golden yellow flowers. Pkt. 10c, ¼ oz. 40c.



A Border of Sweet Alyssum.



Antirrhinum—Snapdragons.

**1040. ANCHUSA** (Cape Forget-me-not). 2 ft. Beautiful annuals with spikes of vivid blue flowers produced in loose clusters on tall stems. Bloom all summer. Pkt. 10c.

**1042. ANEMONE.** Coronaria St. Brigid's Strain. Lovely spring blooming perennials, growing about 1 foot high, with large flowers in a brilliant array of colors. Fine for cutting. Thrive best in rich cool loam in semi-shade. Pkt. 15c.

**1073. AQUILEGIA** (Columbine). 2 ft. Hardy perennials with graceful fern-like foliage and dainty long-spurred flowers in exquisite shades of blue, lavender, pink, and yellow. Pkt. 15c.

### 1074. ARCTOTIS HYBRIDA.

12 in. Biennial. A new variety with lovely daisy-like flowers in rich shades of orange, yellow and rose. Very free flowering and unexcelled for cutting. Pkt. 15c.

B A B Y ' S  
BREATH — See  
Gypsophila, page  
53.

B A C H E L O R ' S  
E U T T O N — See  
Centaurea, page  
49.



Aconitum—Monkshood.

**1200. BALLOON VINE** (Cardiospermum). Graceful annual climber with pale green foliage, and small white flowers, followed by ornamental seed pods resembling small balloons. Pkt. 5c, oz. 25c.

**1205. BALSAM** (Lady's Slipper). Favorite old-fashioned annuals, producing masses of tall, bushy stalks, covered with bright colored flowers. Double mixed colors, red, rose, pink and white. Pkt. 5c, ½ oz. 35c.

**1211. BEGONIA** (Vernon Everblooming). Popular bedding and house plants, which thrive equally well in sunny and shaded places, in rich garden soil. Valuable for their handsome waxy reddish foliage and orange scarlet flowers which are produced all season. Pkt. 10c.

**1213. BRACHYCOME** (Swan River Daisy). 8 in. Free flowering annuals with feathery foliage and dainty flowers resembling small cinerarias. Suitable for edgings and pot culture. Mixed colors, pink, white and blue. Pkt. 5c.

**1358. BELLIS** (English Daisy). Dainty, tender perennials which may be grown as annuals. Start seed indoors in March, and transplant outdoors in May. Small double daisies, in rose, pink and white, throughout the summer. Pkt. 10c.



## ASTERS

Asters bloom profusely from late summer until frost, and furnish cut flowers in abundance. To lengthen the blooming period, start seed of the early, medium and late-flowering types. Cultural directions are printed on each packet of seed. For additional information ask for our free leaflet "How to Grow Annuals and Perennials."

Paper Plants and Locked Plant Bands guard young plants against cutworms. See page 4.

Dust Aster seed with Semesan to prevent disease.

**GIANT BRANCHING ASTERS.** The most beautiful of all asters for cutting. The plants form strong bushes, 24 to 30 inches high, and bear flowers often 5 inches across. Petals are broad and thick, the inner petals being curved. They bloom right after the Comet asters.

- |                      |                         |
|----------------------|-------------------------|
| 1100. SENSATION RED. | 1103. PURPLE.           |
| 1101. LIGHT PINK.    | 1104. WHITE PERFECTION. |
| 1102. LAVENDER.      | 1105. MIXED.            |

Each of the above: Pkt. 10c, 1/4 oz. 50c. One pkt. of each of above 5 colors 40c.

**KING ASTERS.** A beautiful distinctive aster, especially fine for cut flowers. Plants are of tall branching habit, very free flowering. Flowers are large and full, with stiffly quilled petals, produced on long, stiff stems. Bloom from August to October.

- |                     |                    |
|---------------------|--------------------|
| 1114. FLESH KING.   | 1117. VIOLET KING. |
| 1115. CRIMSON KING. | 1118. WHITE KING.  |
| 1116. ROSE KING.    | 1119. MIXED.       |

Each of the above: Pkt. 10c, 1/4 oz. 65c. One pkt. each of above 5 colors for 40c.

### ROYAL BRANCHING.

The most beautiful of the early asters. Plants are of branching habit, with immense globe-shaped flowers, broad petals curved inward and long, strong stems.

- |                   |
|-------------------|
| 1125. ROYAL ROSE. |
| 1126. SHELL PINK. |
| 1127. LAVENDER.   |
| 1128. PURPLE.     |
| 1129. WHITE.      |
| 1130. MIXED.      |

Each of the above: Pkt. 10c, 1/4 oz. 75c. One pkt. each of above 5 colors for 40c.

**QUEEN OF THE MARKET.** A very early sort, coming into bloom three weeks earlier than any other aster. Plants are of branching, spreading habit, about 15 inches tall. Flowers are of good size, full and double.

- |                |              |
|----------------|--------------|
| 1135. CRIMSON. | 1137. WHITE. |
| 1136. PURPLE.  | 1138. MIXED. |

Each of the above: Pkt. 10c, 1/4 oz. 35c. One pkt. each of above 3 colors for 25c.

For Aster Plants see page 27.



New Aurora Aster "Azure Blue."

**1140. DWARF VICTORIA BEDDING ASTERS.** These grow about 12 inches high, each plant being a veritable bouquet, covered with double ball shaped blossoms. The best aster for borders and flower beds. Mixed colors, pkt. 15c.

**1145. HARDY ASTER OR MICHAELMAS DAISY.** An autumn flowering perennial easily grown from seed. Plants grow 2-3 ft. tall and are a mass of brightly colored blossoms throughout the autumn months when other flowers are scarce. The daisy-like long stiff stems are especially fine for cutting. Pkt. 15c.

<b>OUR BIG THREE ASTER OFFER</b>	
1 pkt. Royal	} ..... 20c
1 pkt. Comet	
1 pkt. King	

**1150. AURORA ASTER "AZURE BLUE."** One of the outstanding novelties of the season. The flowers are large and full with beautiful azure blue petals surrounding a cushion center of yellow quills. The long stiff stems, are especially fine for cutting. Pkt. 15c.



Giant Branching Asters.

**1169. ASTER GIANT CALIFORNIA SUNSHINE MIXED.** An outstanding new type that is undoubtedly the best aster ever produced. The guard petals of rose, pink, blue or lavender, surround a center of tubular petals of light yellow or blue, producing a lovely two-tone effect. Plants of this new strain grow 3 feet tall, bearing the giant blooms on long stiff stems, admirable for cutting. Pkt. 20c.

**1170. NEW ASTER "SALMONGOLD."** A new aster of surpassing loveliness. The color is a beautiful salmon-gold changing to salmon-pink as the flower develops. Blossoms are of immense size, often measuring 3 inches in diameter. Pkt. 25c. See page 52 for colored illustration.

**1175. HEART OF FRANCE.** The most beautiful of all red asters. Its remarkable color of rich glowing red, deepens with age. The flowers are of good size, very full and double and are borne on long stiff stems. Plants are of straggling branching habit. Pkt. 15c.

### GIANT COMET OR OSTRICH FEATHER.

An improved strain of comet aster with large fluffy blossoms, like chrysanthemums, often 5 inches across. Medium early and free flowering.

- |                 |                  |                |
|-----------------|------------------|----------------|
| 1180. Pink.     | 1182. White.     | 1184. Carmine. |
| 1181. Lavender. | 1183. Dark Blue. | 1185. Mixed.   |

Each of the above: Pkt. 10c, 1/4 oz. 75c. One packet each of above 5 colors for 40c.

**1195. SOLEIL D'OR (Golden Sun Aster).** The best yellow aster. The flowers have quilled petals and are very full and double with long slender stems. Fine for cutting. Pkt. 15c.



Giant Comet or Ostrich Feather Aster.

SEMESAN-treated Aster seed means sturdy, healthy young plants with practically no loss from damping-off. May be applied to seed either as a dust or liquid. Full directions in each can. 2 oz. can 50c, prepaid.



**CAMPANULA (Canterbury Bells)**

2 ft. Beautiful biennials with graceful bell-shaped flowers on long upright stems.

**1225. MEDIUM-SINGLE CANTERBURY BELLS.** Mixed colors. The old-fashioned variety with large bell-shaped flowers. Lovely for cutting. Pkt. 10c.

**1226. MEDIUM-DOUBLE.** Mixed colors. Pkt. 10c.

**1232. CALYCANTHEMA (Cup and Saucer).** Has a very large calyx which is the same color as the corolla, giving the flower the appearance of a cup and saucer. Mixed colors. Pkt. 10c.

**1235. CANARY BIRD VINE.** 15-20 ft. Annual climber with beautiful cut foliage and curious bird-like blossoms of a clear canary yellow. Should not be planted until the ground is warm. Grows quickly to a considerable height. Pkt. 10c.

**CANDYTUFT (Iberis)**

Admirably adapted for borders, bedding and cut flowers. Will thrive anywhere and bloom profusely throughout the summer.

**1240. GIANT HYACINTH-FLOWERED.** 1 ft. Annual. Produces immense snow-white flowers.

**1242. FINEST MIXED.** A splendid mixture of all colors. Pkt. 10c.

**1243. PERENNIAL CANDYTUFT (Sempervirens).** Dwarf evergreen plants growing 8 to 10 inches high. Excellent for borders and the rock garden. A sheet of white bloom in spring and early summer. Pkt. 10c.

See Page 27 for Flowering Plants suitable for Porch and Window Boxes and Bedding, in the following varieties: Snapdragon, Petunia, Zinnia, Aster and Pansy.

For Porch and Window Boxes see page 28.



Double Red Carnation.

**CARNATION**

One of the most valuable and beautiful of our summer flowers. Hardy, free-flowering, and easily raised from seed. Flowers are long-stemmed and very fragrant.

**1251. DOUBLE RED CARNATION.** Large double flowers of glowing crimson, of spicy fragrance. Bloom throughout the summer. Grow as pot plants in the house, or outdoors. Pkt. 15c.

**1252. MARGUERITE CARNATIONS.** This variety begins to bloom two months after sowing. Large blossoms, 2 to 3 inches across, deliciously fragrant. Mixed colors. Pkt. 10c.

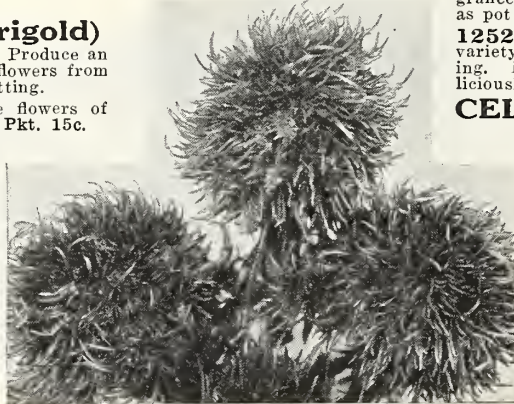
**CELOSIA or COCKSCOMB**

Showy annuals with bright foliage and oddly shaped flower heads of gold, scarlet and maroon.

**1255. CRISTATA.** Dwarf, mixed colors. Flower heads frilled and corrugated, like a cock's comb. Pkt. 10c.

**1256. CHINESE WOOLFLOWER.** One of the best and showiest annuals introduced in recent years. Plants grow about 3 feet high, and bear massive bunches of silky flowers. Seed may be sown outdoors, when ground is warm, or started in hotbeds and plants set out in May. Mixed colors. Pkt. 10c.

**1258. PLUMOSA, THOMPSONI MAGNIFICA.** Handsome, ostrich feathered flower heads, ranging from burnt orange to deep purplish crimson. Pkt. 10c.



Celosia—Chinese Woolflower.

Hard seeds, like nasturtiums, sweet peas, lathyrus, morning glories, etc., may be soaked in warm, not hot, water for several hours before planting, to hasten germination. Every variety of garden or flower seeds is tested in our own trial gardens as well as in our laboratory before being offered.

**1300. CLARKIA.** Attractive annuals, easily raised from seed. They do equally well in sunny and shaded locations, growing 2 feet high. Double flowers, resembling azaleas, are borne on leafy racemes. Very pretty for cutting. Mixed colors. ¼ oz. 50c, pkt. 10c.

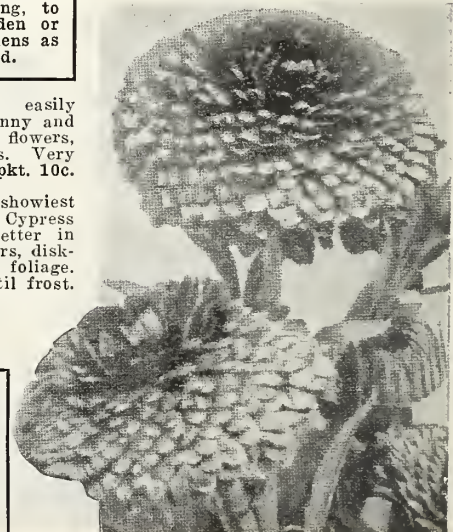
**1448. CARDINAL CLIMBER.** The showiest and most vigorous annual climber grown. Like Cypress Vine, but much more vigorous and much better in every respect. Clusters of blazing scarlet flowers, disk-shaped against a background of feathery green foliage. Grows 30 feet high and blooms from July until frost. Pkt. 10c.

**CASTOR BEAN**—See Ricinus, page 57.

Former Seed & Nursery Co. April 10, 1931.  
I have received all of my order which I sent to you for except the Golden Doy Lily. I am expecting it any day now, but thought I would write and tell you.

The Peonies and Dohlio Bulbs are fine—the best I ever had sent me, and I have sent for a good many. Have always been satisfied with whatever I bought of you.

B. L. Miller, Parkersburg, Iowa.



Calendula (Pot Marigold).



Campanula—Canterbury Bells.

**CALENDULA (Pot Marigold)**

Showy annuals easily grown from seed. Produce an abundance of bright yellow and orange flowers from July to October. Greatly prized for cutting.

**1215. THE BALL.** Immense double flowers of a brilliant orange, on long stiff stems. Pkt. 15c.

**1216. RADIO.** A new calendula with beautifully quilled petals of a glowing orange color. Flowers are very large and double, and do not show center until far advanced in age. Pkt. 15c.

**1217. CAMPFIRE.** (New.) Brilliant orange with a scarlet sheen. Very effective. Pkt. 15c.

**1218. NANKEEN.** Cream, flushed apricot. Pkt. 10c.

**1219. FINEST DOUBLE MIXED.** ½ oz. 25c, pkt. 10c.

**CALIFORNIA POPPY** — See Eschscholtzia, page 50.

**1222. CALLIOPSIS—GOLDEN WAVE.** 2 ft. Showy annuals easily raised from seed. Flowers are yellow, richly marked and bordered with browns and maroons. Good for cutting. Pkt. 10c.



Candytuft—Giant Hyacinth Flowered.





Cobea Scandens.

**1302. CLEOME** (Giant Spider Plant). A striking plant, 3 to 4 feet tall, each branch terminating in a large head of vivid rose flowers. Good for large beds and hot sunny places. Sow outdoors when weather is settled, thin out to give plants ample room. Pkt. 10c.

**1303. COBEA SCANDENS** (Cup and Saucer Vine or Cathedral Bell). A handsome rapid growing annual, suitable for porches, arbors, and trellises. The flowers are bell-shaped, purplish lilac in color, and rather stiff and wax-like. This vine is always clean of insects. Start indoors, planting seed edgewise, and cover lightly. Transplant outdoors in May. 1/4 oz. 25c, pkt. 10c.

**1305. COLEUS.** Handsome annual foliage plants, valuable for bedding, window and porch boxes, and for house culture. Leaves of various shapes and outlines are brilliantly marked, and bordered with crimson and white. Pkt. 15c.

**COLUMBINE**—See Aquilegia, page 46.



Cynoglossum—Chinese Forget-Me-Not.

### CENTAUREA (Cyanus)

Old-fashioned annuals, known as Bachelor's Buttons, Cornflowers, Sweet Sultans, Dusty Millers and Basket Flowers. They are of easiest culture and usually reseed themselves.

#### Cornflowers or Bachelor's Buttons

- 1264. DOUBLE MAUVE.
- 1266. DOUBLE ROSE.
- 1268. DOUBLE BLUE.
- 1269. DOUBLE MIXED.

Price: 1/2 oz. 35c, pkt. 10c.

**1278. Sweet Sultans (Imperialis).** Handsome, artistic flowers resembling the blossoms of thistles borne on long, smooth stems. Fine for cutting. Mixed colors. 1/4 oz. 35c, pkt. 10c.

**1280. Dusty Millers.** Grown for the silvery foliage, and used for window boxes, borders, etc. Pkt. 10c.

### CHRYSANTHEMUMS

This class includes many favorite garden and house plants, such as Shasta Daisy, the Giant and Pompon Chrysanthemums, also showy annuals that are much used for bedding.

**1285. ANNUAL CHRYSANTHEMUMS.** Showy for massing in the garden, and fine for bouquets. Flowers are like daisies, white, yellow, orange, maroon, and many interesting combinations of these colors. 1/2 oz. 25c, pkt. 10c.

**1290. SHASTA DAISY.** One of the best of all perennials, very hardy, free flowering, easily grown, and fine for cutting. Huge white flowers with yellow centers. Pkt. 10c.

**CHINESE LANTERN**—See Physalis, page 56.

**CHRISTMAS CHERRY**—See Solanum, page 57.



Double Early Cosmos.

**1318. CYNOGLOSSUM amabile** (Chinese Forget-Me-Not). 18 to 24 inches. Lovely annuals producing large sprays of brilliant blue Forget-Me-Not like flowers all summer. Charming in bouquets combined with other flowers. Pkt. 15c.

**1325. DATURA CORNUCOPIA** (Horn of Plenty). Showy half-hardy annuals, with large, trumpet-shaped flowers, creamy white inside and purple markings toward the edge. Sow outdoors, when danger of frost is past. Pkt. 10c.

**1450. CYPRESS VINE.** Masses of small star shaped flowers, bright scarlet and white, against a background of feathery green foliage. A fine annual vine for fences, screens, etc. Oz. 50c, pkt. 5c.



Coreopsis.

**1308. COREOPSIS** (Golden Glory). Tall, hardy perennials of vigorous growth and free flowering habit. They produce masses of bright yellow flowers on long stems, all through June and July. Sow seed in August, for next season's flowering, or start indoors, in March. 1/4 oz. 25c, pkt. 10c.

### COSMOS

4-6 ft. Beautiful annuals easily raised from seed. Plants form fine symmetrical bushes of feathery green foliage covered with lovely long stemmed flowers. Bloom from August through October.

**1310. EARLY FLOWERING MAMMOTH MIXED.** Contains soft shades of crimson, rose, pink and lavender. 1/4 oz. 25c, pkt. 10c.

**1314. DOUBLE EARLY FLOWERING MIXED.** Combines the beauty of the anemone-flowered or double crested with the earliness of the older single type. Colors: crimson, pink and white. Pkt. 15c.



Shasta Daisies.

Feb. 6, 1931.

Farmer Seed & Nursery Co.  
Two years ago I sent for a lily called the Giant Hybrid Amaryllis, for which I paid sixty cents. Last year it bloomed, and the flowers were dark red and measured nine inches across. It was a beauty, and this year it has a large bud and will soon bloom again. I have never seen such big ones. I have others that measure six inches, but nine inches beats them all.  
Anna Gebhardt, Howard Lake, Minn.

This year we are offering Giant Hybrid Amaryllis at an exceptionally low price. Order one of these gorgeous house plants now, so that you too can enjoy the brilliant flowers. See page 41.





Delphinium—Hardy Larkspur.

**DELPHINIUM (Hardy Larkspur)**

A favorite perennial that should have a prominent place in every garden. The plants are of strong, healthy habit, growing from three to six feet high, with handsomely cut foliage. The exquisite flowers are produced on spikes growing five or six feet high, in June and July, and if not allowed to go to seed, again in August and September. Sow seed in hot beds, transplant when two inches high, setting the plants twelve inches apart. The soil should be rich, and carefully prepared. Stake plants when about two feet high.

- 1334. BELLADONNA.** Tall thrifty plants, with immense spikes of clear turquoise blue flowers. Pkt. 20c.
- 1333. BELLAMOSUM.** A dark form of the Belladonna, with intensely rich, deep blue flowers. Pkt. 20c.
- 1332. LEMON GEM.** Color a beautiful clear yellow. Pkt. 20c.
- 1335. GOLD MEDAL HYBRIDS.** A fine strain of seed from selected plants. Flowers range in color from pale lavender to deep blue, with many of them double flowered. Pkt. 15c.
- 1336. WREXHAM HOLLYHOCK FLOWERED STRAIN.** A new and improved strain with graceful spikes of enormous size. The individual blooms are from 1½ to 2 inches in diameter, many of them bicolor. Pkt. 25c. Illustrated in color on page 52.

**DIANTHUS OR PINKS**

Annuals and Perennials. Lovely fragrant flowers known to everyone, as Pinks, Carnations, or Sweet Williams. They bloom until late fall, and grow in any soil in a sunny position.

**ANNUAL PINKS**

- 1341. FINEST DOUBLE MIXED.** Brilliant colors; many are striped and mottled. ¼ oz. 25c, pkt. 10c.
- 1348. LACINIATUS, MIXED COLORS.** Very large fringed flowers, ranging from white to deep crimson. ¼ oz. 35c, pkt. 10c.

**HARDY PERENNIAL PINKS**

- 1351. DIANTHUS PLUMARIUS** (Grass Pinks or Pheasant Eye). Charming, old fashioned perennials, with stiff grassy foliage and spicy, fragrant flowers. ¼ oz. 25c, pkt. 10c.
- DIANTHUS BARBATUS**—See Sweet William.

- 1354. DIDISCUS** (Queen Anne's Lace). An exquisite old-fashioned flower. The stems are long and somewhat hairy, with fine foliage. The flowers are borne in clusters, and are light lavender blue. Plants grow 18 inches high. They require rich soil and a sunny location. Pkt. 15c.



Euphorbia—Snow on the Mountain.

- 1356. DIMORPHOTHECA** (Golden Daisy). Beautiful free-blooming annuals from South Africa, growing about 12 inches tall. Plants are compact and bushy, and prefer an open sunny position. The daisy-like flowers are a striking orange-gold color, with dark centers. Massed in beds or wide borders, they make a brilliant showing. ¼ oz. 35c, pkt. 10c.

**ESCHSCHOLTZIA** (California Poppy). Showy hardy annuals, rich in shades of orange, yellow and scarlet. The bushy plants grow about a foot high, with bluish green foliage, and produce vivid poppies from early summer until late in fall.

- 1361. California. The true yellow California poppy. ½ oz. 35c, pkt. 5c.
- 1368. Hybrid Mixed. ½ oz. 25c, pkt. 5c.

**ECHINOCYSTIS LOBATA**—See Wild Cucumber, page 59.

**1370. EUPHORBIA VARIEGATA** (Snow on the Mountain). A handsome annual garden plant valuable for showy foliage. Plants grow from 2 to 3 feet high, with attractive light green foliage broadly veined and margined with white. Clusters of inconspicuous white flowers. A good variety to use as a background for lower growing plants. ½ oz. 25c, pkt. 10c.

**FEVERFEW**—See Matricaria, page 55.

**1375. FORGET-ME-NOT** (Myosotis). These lovely flowers thrive best in cool, moist soil, and are at their best early in spring and fall. They are perennials and fairly hardy. Seed may be sown outdoors, covering with one-fourth inch of soil. ¼ oz. 40c, pkt. 10c.



Dimorphothea—Golden Daisy.



Digitalis—Foxglove.

Use Sacco Plant Food on all Flowers for Best Results. See Page 79.

**NO. 2002. 6 ANNUALS FOR A ROSE AND WHITE GARDEN**

- 1032. Alyssum, Carpet of Snow.
  - 1240. Giant Hyacinth Candytuft.
  - 1388. Godetia or Satin Flower.
  - 1416. Annual Baby's Breath.
  - 1472. Rose Larkspur "Exquisite."
  - 1905. Verbena, Rose Queen.
- } One Pkt. Each 35c

**NO. 2004. 6 ANNUALS FOR A BLUE AND GOLD GARDEN**

- 1027. Ageratum, Blue Perfection.
  - 1215. Calendula "The Ball."
  - 1318. Chinese Forget-Me-Not.
  - 1356. Golden Daisy.
  - 1383. Gilia or Thimble Flower.
  - 1500. Marigold, Lemon Queen.
- } One Pkt. Each 50c

**NO. 2006. 6 EVERLASTINGS FOR WINTER BOUQUETS**

- 1024. Acroclineum.
- 1390. Gompfhrena.
- 1396. Job's Tears.
- 1425. Helichrysum.
- 1487. Lunaria.
- 1769. Statice.

One Pkt. of Each 35c





1502—African Marigolds. Mixed. Pkt., 10c.



1965—Giant Mammoth Mixed Zinnias. Pkt., 10c.



1225—Canterbury Bells. Pkt., 10c.



1741—Salpiglossis. Pkt., 10c.

## The Finest in Annual Flowers

- 1 pkt. No. 1502 Marigold . . . . . \$0.10
- 1 pkt. No. 1965 Mixed Zinnia . . . . . .10
- 1 pkt. No. 1225 Canterbury Bells . . . . .10
- 1 pkt. No. 1741 Salpiglossis . . . . . .10
- 1 pkt. No. 1908 Verbena . . . . . .10
- 1 pkt. No. 1713 Portulaca . . . . . .10
- 1 pkt. No. 1465 Kochia . . . . . .10
- 1 pkt. No. 1751 Scabiosa . . . . . .10
- 1 pkt. No. 1242 Candytuft . . . . . .10

Total, \$0.90

This Entire Collection postpaid for only **60c** May also be ordered through your dealer on request.



1713—Portulaca (Moss Rose). Pkt., 10c.



1751—Scabiosa. Mixed. Pkt., 10c.



1908—Giant Hybrid Verbenas. Pkt., 10c.



1465—Kochia (Burning Bush). Pkt., 10c.



1242—Candytuft. Mixed. Pkt., 10c.

Don't Miss the New Sweet Peas, "Valencia" and "Aviator", on Page 58.



# INEXPENSIVE LOVELINESS for Your Garden

A colorful garden with choicest blooms from the earliest Peony to the final Aster of the season may be yours, in selecting these outstanding varieties.

A complete list of the varieties shown here, with full descriptions, may be found on the pages indicated.

Flowers have never been prized so highly as right now—the entire nation has become flower-minded. Nothing can bring so much enjoyment for the small amount invested.

For home beautification, for cemetery use, for church decorations, or for a friendly remembrance, flowers fill a place for which there is no substitute.

How many flower-hungry friends could be made happy through a selection from this page, as a gift from you? This is your opportunity to spread happiness.

Don't overlook the new IRIS introductions on page 40.



**Peony, Mons. Jules Elie.**

Immense rose-pink flowers with a silver sheen. Very choice. Each, 90c. prepaid. See page 40.



**New Dahlia,**

**Rodman Wanemaker.**

Salmon-pink and yellow. One of the very finest. Each, 75c. ppd. See page 43 for other varieties.



**Treasure Garden Gladiolus Collection.**

Choice varieties; all colors.

Large, blooming size bulbs, 12 for 35c;

50 for \$1.25; 100 for \$2.25.

All prepaid.



**1336—Delphinium.**

New Wrexham Hollyhock-Flowered Strain. Newest Improved Hardy Larkspur. Pkt., 25c. See page 50.

For Newest Named

Varieties of Gladioli,

See page 42.



**Lilium Regale.**

Perfectly hardy. Large bulbs, 25c each, ppd. See page 41.



**Dahlia, Tommy Atkins.**

Giant flowers of a vivid flame color. Each, 50c, ppd. See page 43.



**1170—Aster, Salmongold.**

Newest in Asters. Pkt., 25c. See page 47.



## GAILLARDIA (Blanket Flower)

Showy perennials and annuals, valuable because of their vivid flowers and ease of culture. The orange and scarlet flowers bloom freely from July until frost.

**1380. PERFECTION DOUBLE MIXED.** Annual. Flowers have quilled petals of gorgeous orange and scarlet, and are borne on fine long stems. Excellent for cutting.  $\frac{1}{2}$  oz. 25c, pkt. 10c.

**1381. GRANDIFLORA.** Perennial 2 ft. Their long flowering period, fine long stems and vivid colors make these one of our most valuable perennials. Thrive in any good garden soil. Pkt. 10c.

**1383. GILIA capitata (Thimble Flower).** Graceful, free flowering annuals growing about 2 feet high. The plants are erect and bushy with fine feathery foliage. The delicate lavender-blue flowers are very desirable for cutting, and may be dried and used for winter bouquets. Pkt. 10c.

**1384. GERANIUM.** The most popular plant for house culture, window and porch boxes, and outdoor bedding. Easily grown from seed. Pkt. 10c.

**1386. GEUM (Mrs. Bradshaw).** Attractive perennials easily grown from seed. Height about 2 feet. Produce an abundance of orange-scarlet flowers, very large and double. Splendid for cutting. Pkt. 20c.

**1388. GODETIA.** Dwarf, hardy annuals of easy culture. They do best in a sunny position in rather poor soil. Flowers are large, trumpet shaped of satiny texture and rich coloring. All shades of rose.  $\frac{1}{4}$  oz. 25c, pkt. 10c.

**1390. GOMPHRENA (Globe Amaranth, Everlasting).** Annual. Tall, bushy plants, with greyish foliage and clover-like flowers that may be dried for winter bouquets. Mixed colors, mostly white, rose and purple.  $\frac{1}{4}$  oz. 15c, pkt. 5c.

## ORNAMENTAL GRASSES (Annual)

**1395. ORNAMENTAL MIXED.** Very effective when planted among annuals and shrubs. May be dried and combined with Everlasting flowers for winter bouquets. Easily grown from seed. Pkt. 10c.

**1396. COIX LACHRYMAE (Job's Tears).** Broad glistening leaves. The seeds are hard and shiny, and can be strung and used as beads. Pkt. 5c.

## GYPSOPHILA (Baby's Breath)

Delicate, feathery panicles of minute flowers. Used extensively as cut flowers, in combination with other varieties, and for winter bouquets. Easily grown from seed.

**1415. PANICULATA.** Perennial. Grows two feet high, with graceful misty sprays of white flowers.  $\frac{1}{4}$  oz. 25c, pkt. 10c.

**1416. ANNUAL WHITE.** Large flowering annual. Oz. 35c, pkt. 5c.

**1417. ANNUAL PINK.** The prettiest for cutting. Oz. 35c, pkt. 5c.

**HELANTHUS** — See Sunflower, page 57.



Orange-Scarlet Geum.

**1425. HELICHRYSUM (Everlasting).** Annual. The largest and handsomest of the everlastings. Large, double flowers, in all shades of rose, crimson, purple, and yellow, borne on stiff stems, are produced all summer. They may be dried for winter bouquets.  $\frac{1}{4}$  oz. 25c, pkt. 10c.

**1428. HELIOPSIS pitcheriana.** 4-ft. Perennial. Produces large golden yellow flowers on long, wiry stems. Brilliant in the garden and good for cutting. Pkt. 15c.

**1430. HEUCHERA sanguinea (Coral Bells).** Graceful perennials suitable for the border or rock garden, and fine for cutting. The lobed leaves form a low-growing rosette, from which the tall, slender stems rise to a height of 18 inches. The dainty flowers are bell-shaped and of rich coral red. Pkt. 20c.

**1444. HUNNEMANNIA (Tulip Poppy).** Annual. This is similar to the California Poppy, but of stronger growth, both as to plant and flower. It is the best poppy for cutting, as the flowers remain for several days, lasting well in water. They are bright lemon yellow, cup shaped, like a tulip. Pkt. 10c.

**1446. ICE PLANT (Mesembryanthemum Crystallinum).** An ornamental annual suitable for hillsides, sunny banks, walls, and borders. Fine for poor soil. Foliage is thick and succulent, like particles of ice. Pkt. 10c,  $\frac{1}{4}$  oz. 25c.

**1465. KOCHIA (Summer Cypress).** An easily grown annual, excellent for summer hedges. Plants grow rapidly from seed, to a height of three feet, forming a dense, cypress-like hedge of perfect symmetry. The foliage is feathery, soft bright green, turning to deep red in the fall.  $\frac{1}{4}$  oz. 25c, pkt. 10c.



Gaillardia and Gypsophila (Baby's Breath).

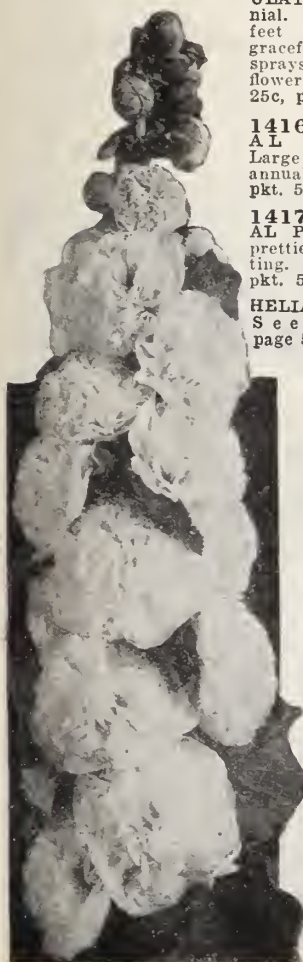
## HOLLYHOCKS

(ALTHEA ROSEA). Perennial. Old fashioned garden favorites, of stately form and beautiful flowers. The plants grow three to six feet tall, with the large silky flowers closely set on the long stalks. The soil should be carefully prepared, with plenty of manure, and the plants well watered. Seed may be started in boxes, and plants set out when six inches high, or sown outdoors in April. Roots should be well covered in winter.

**1434. NEWPORT PINK.** The finest bright pink, very tall, with massive, double flowers. This variety is used almost exclusively in landscape work.  $\frac{1}{4}$  oz. 50c, pkt. 10c.

**1437. DOUBLE MIXED.** Crimson, yellow white, rose, in mixture.  $\frac{1}{4}$  oz. 25c, pkt. 10c.

**1440. ANNUAL EVERBLOOMING HOLLYHOCKS.** A distinct, valuable variety, with good foliage and heavy stalks of bright flowers, pink, red, yellow, and white. Sow the seed indoors and set plants out in May. Especially valuable for sowing where hardy hollyhocks have failed to survive.  $\frac{1}{4}$  oz. 30c, pkt. 10c.



Hollyhock, Newport Pink.



Helichrysum—Strawflowers.



## LARKSPUR

**Annual varieties.** These are among the best garden annuals, both for bedding and for cutting. They are not particular as to soil, but want plenty of sun; frequent watering will help keep them in bloom. Sow outdoors in April or May, for flowers from June to frost. The blossoms are double and semi-double, borne on long spikes, with delicate, feathery foliage.

1470. DOUBLE AGERATUM BLUE. 1473. DOUBLE SHELL PINK.  
1471. DOUBLE DARK BLUE. 1474. DOUBLE WHITE.  
1472. DOUBLE ROSE, "EXQUISITE." 1475. DOUBLE MIXED.

Price:  $\frac{1}{2}$  oz 25c, pkt. 10c, one pkt. of each of above five colors for 40c.

1476. LA FRANCE. A larkspur of unusual beauty and striking color. Of new, improved upright form, the graceful spire shaped spikes are especially fine for cutting. Flowers are large and double, of a beautiful salmon pink color. Pkt. 20c.  
PERENNIAL LARKSPUR—See Delphinium, page 50.

1480. LATHYRUS LATIFOLIUS (Perennial Pea). These charming climbers are great favorites in England, but are little known in this country. They are extremely hardy, of vigorous growth, and may be trained on porches, fences, trellises or stumps. Bloom all summer. Mixed colors. Pkt. 10c.

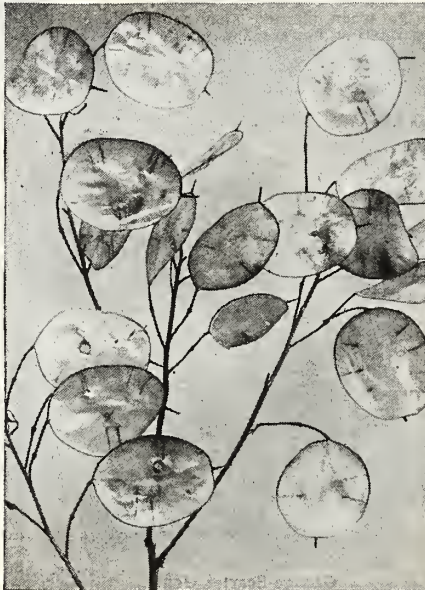
1485. LEPTOSIPHON French Hybrids. (Annual.) A fine flower for cutting and bedding. Plants branch freely, and produce large sprays of lovely flowers in a complete range of bright colors, pink, rose, blue, violet and white. A lovely cut flower, worthy of a place in every garden. Pkt. 10c.

1481. LIATRIS pycnostacha (Blazing Star or Kansas Gay Feather). 4 ft. Perennial with thick grass-like foliage, and long narrow spikes of rich purple flowers during July and August. Attracts much attention in the perennial border, and is splendid for cutting. Combined with orange gladioli or lemon marigolds, the effect is most outstanding. Pkt. 20c.

1486. LINARIA maroccana. Attractive low-growing annuals bearing an abundance of flowers like miniature snapdragons in a variety of gay colors. Very decorative for the border. Pkt. 15c.

1487. LUNARIA (Honesty or St. Peter's Penny). 2 ft. A biennial with interesting purple flowers, followed by shiny, silvery seed pods. Called "Honesty" because the seeds can be seen through the pods. Very attractive in winter bouquets. Pkt. 10c.

1489. LOBELIA Crystal Palace. Graceful annuals, used for bedding, borders, and baskets; foliage dark green, flowers brilliant dark blue. They require good soil, with plenty of water, and should be cut back during the hot summer months, so as to produce flowers again in the fall.  $\frac{1}{8}$  oz. 50c, pkt. 10c.



Lunaria—Honesty.

## MARIGOLDS (Tagetes)

Free flowering annuals of easiest culture. They succeed best in light soil, with plenty of sun, and bloom from early summer until killed by heavy frosts. They are beautiful for cutting, and last longer in water than almost any other flowers. The African varieties grow to a height of 3 feet, and are best for massing, while the French Marigolds are dwarf, and make effective borders.

## AFRICAN MARIGOLDS

1500. LEMON QUEEN. Giant double quilled flowers of lemon yellow.  $\frac{1}{4}$  oz. 30c, pkt. 10c.

1501. PRINCE OF ORANGE. The most striking of all. Immense double quilled flowers, with ends of petals slightly frilled. Deep orange.  $\frac{1}{4}$  oz. 30c, pkt. 10c.

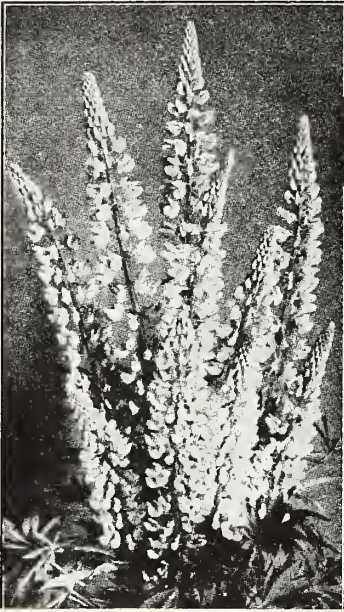
1502. FINEST MIXED VARIETIES. All shades of yellow and orange, single and double sorts, mixed.  $\frac{1}{4}$  oz. 25c, pkt. 10c.

## FRENCH MARIGOLDS

1504. DWARF LEGION OF HONOR. Single flowers of bright yellow, striped with reddish brown. The best for borders.  $\frac{1}{4}$  oz. 25c, pkt. 5c.

1505. GOLD STRIPED. Velvety maroon striped with gold. Pkt. 10c.

1506. TALL FRENCH JOSEPHINE. We consider this the most beautiful Marigold. Flowers are large and single, velvety maroon, with a wide border of old gold. Plants grow about 2 feet high, very bushy, and covered with bright flowers. Fine for borders, massing and cutting. Pkt. 10c,  $\frac{1}{4}$  oz. 25c.



Lupins.

## LUPINS

Ornamental annuals and perennials, with very beautiful, deeply cut foliage of greyish green. The plants are of branching habit, and produce many spikes of pea-shaped lavender or blue flowers. They grow easily from seed, in any soil, and should be watered freely.

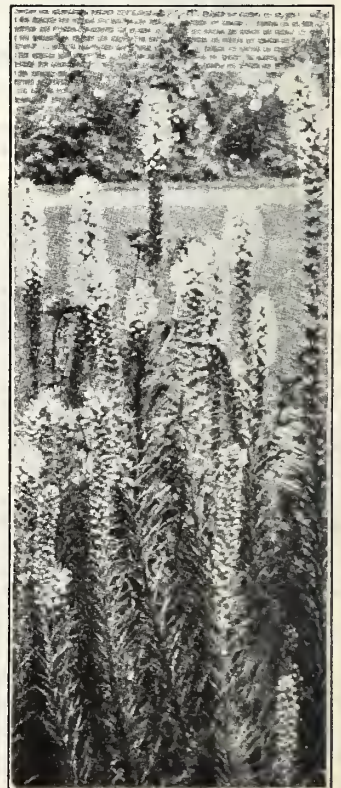
1493. HARTWEGI. Annual. Very free flowering, with beautiful lavender flowers and lovely ornamental foliage.  $\frac{1}{2}$  oz. 25c, pkt. 10c.

1494. POLYPHYLLUS. Perennial. Hardy plants, 2 to 3 feet high, bearing numerous spikes of variously colored flowers. Prefers shade, thrives in poor soil, and blooms in June. Pkt. 10c.

1495. LYCHNIS chalcedonica. Handsome old-fashioned perennials 2 to 3 feet tall, with large heads of brilliant scarlet flowers from June to August. Make a fine showing in the hardy border. Plants are of easy culture, and bloom from seed the first year. Pkt. 10c.



Lychnis blooms all summer.



Liatris—Blazing Star.



**MORNING GLORIES (Ipomea)**

**1456. GIANT JAPANESE MORNING GLORIES** (Hederacea). The best of the morning glories, with dense foliage. Flowers of many colors, oddly blotched with white or cream. Oz. 25c, pkt. 10c.

**1458. TALL PURPLE MORNING GLORIES.** The old variety, with purple flowers, indispensable for covering porches, etc. Oz. 20c, pkt. 5c.

**1460. BRAZILIAN MORNING GLORY.** Quick growing vine with large, deeply lobed leaves, resembling oak leaves. Handsome rosc-pink flowers are borne in large clusters. Oz. 30c, pkt. 15c.

**1512. MATRICARIA (Feverfew).** Clusters of small, tightly double white flowers, similar to the pompom chrysanthemums, and pretty, finely cut foliage, making the plants valuable for pot culture and bedding. Double white flowers. Pkt. 10c.

WRITE FOR OUR FALL CIRCULAR. It contains full descriptions of Tulips and Hardy Bulbs for Fall planting and will be sent free upon request.



Climbing Nasturtiums.



Nicotiana.

**NASTURTITIUMS**

Of all annuals, these give the greatest return for the money and care spent on them. All they want is fair soil in a well-drained, sunny position, and they will furnish a gorgeous display of flowers from within a month of the time they are planted, until killed by heavy frosts. Plant dwarf nasturtiums for borders, and tall varieties for cut flowers and covering fences, etc.

**1574. DWARF NASTURTITIUMS.** A splendid mixture of the best colors, maroon, rose, orange, and yellow. These make showy borders, as they are covered from July until frost with bright flowers. Mixed colors. Pkt. 10c, oz. 15c, ¼ lb. 60c.

**1598. LOBB'S TALL NASTURTITIUMS.** A beautiful mixture of many shades of crimson, orange and yellow. For cutting and decorating, tall Nasturtiums are superior to the dwarf sorts, because of their large, long-stemmed flowers. Fine for covering fences, trellises, and for window and porch boxes. Mixed colors. ¼ lb. 60c, oz. 15c, large pkt. 10c.

**1545. NIGELLA (Devil-in-bush or Love-in-a-mist).** Half-hardy annuals, with finely cut, feathery foliage, in which the flowers are set. Flowers are oddly shaped, and bright blue in color. Sow seed outdoors, and thin plants to a distance of 6 inches apart in the rows. ¼ oz. 30c, pkt. 10c.

For Pansy Plants see page 27.



Mignonette.

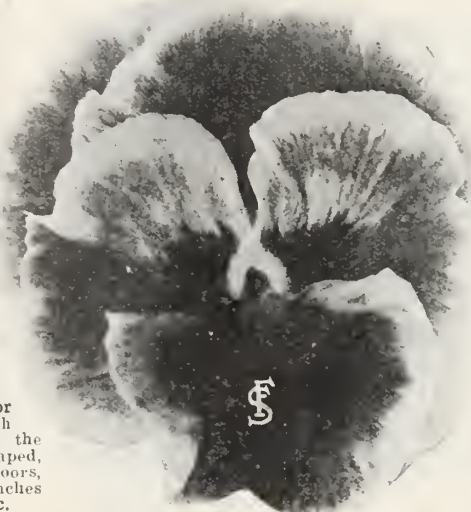
**1516. MIGNONETTE** Allen's Defiance. (Reseda.) Graceful, fragrant spikes of flowers without which no garden or bouquet is complete. We offer the Defiance strain with massive red spikes, 12 to 15 inches long, of bright flowers which keep well in water. ¼ oz. 35c, pkt. 10c.

**1528. MIRABILIS (Four O'clock or Marvel of Peru).** 2 ft. Old-fashioned annuals of tall bush-like habit, with dense, glossy foliage. The brightly colored flowers open at about four o'clock in the afternoon and remain open all night. Easily grown in any good garden soil. ½ oz. 25c, pkt. 5c.

**1537. NEMOPHILA.** 6 in. Pretty annuals, with heavy, glossy foliage on well branched plants. The flowers are cup shaped, lilac blue and white, and cover the plants from early summer until frost. Oz. 30c, pkt. 5c.

**1538. NEMESIA (Strumosa).** A very beautiful, hardy annual. Plants are of dwarf growth, like miniature cypress, with fine foliage, and are completely covered with orchid-like flowers, in a great variety of bright colors, rose, blue, orange, yellow, etc. A fine border plant. Pkt. 15c.

**1540. NICOTIANA Affinis (Sweet Scented Tobacco Plant).** 2-3 ft. Graceful annuals, with clusters of long-throated, star-shaped, white and pink flowers, of exquisite fragrance. Sow the seed in a warm, sunny place, in rich, well drained soil. ¼ oz. 25c, pkt. 10c.



New Giant Colossal Record Pansy.

**GIANT PANSIES**

The seed should be started indoors in March in carefully pulverized rich soil. Cover lightly, keeping the ground moist with a spray. Pansy seed germinates slowly and grows best in a cool location with good drainage. Plants should be set outdoors in May in a sunny, open position and watered frequently. If flowers are picked regularly, the plants will continue to bloom until frost. Protect with a mulch in fall and they will endure hard winters with perfect safety.

- 1606. BRONZE SHADES.** Large artistic flowers. Pkt. 15c.
- 1608. PURPLE AND BLUE SHADES.** Rich blues and purples. Pkt. 15c.
- 1609. MADAME PERRET.** Rose and wine shades. Pkt. 15c.
- 1610.** One packet each of above three strains for 35c.
- 1626. GIANT COLOSSAL RECORD PANSY.** A new pansy superior to most all other varieties. Flowers are of mammoth size on long stems. Colors are magnificent. Pkt. 20c.
- 1628. ROGGLI GIANT PANSIES.** A distinct and beautiful strain with richly colored flowers, truly giant in size. Pkt. 20c.
- 1629. MASTERPIECE OR RUFFLED PANSIES.** Fine large flowers in rich dark shades, with petals waved and frilled. Pkt. 20c.
- 1631. BEST BEDDING MIXTURE.** Mammoth flowering types of great beauty in a complete range of rich colors. Pkt. 10c, ¼ oz. 75c.

**1638. PENTSTEMON (Hybrid Gloxinoides Type).** 2½-4 ft. One of the best and showiest perennials for the hardy border. Seed may be sown in May in a cool, shady place. The pretty long-tubed flowers grow in panicles, and are purple, blue, scarlet, rose and white. Bloom all summer, and are splendid for cutting. Mixed colors. Pkt. 15c.



Pentstemon.





Bedding Petunias.

**PHLOX DRUMMONDI**

Valuable for bedding, borders and cutting. Flowers grow in flat clusters, and come in a wide range of bright colors.

1660. WHITE. 1663. BUFF.  
1661. VIOLET. 1664. SCARLET.  
1662. PINK. 1673. STAR.

Each of the above. Pkt. 10c.

1665. Collection one pkt. each of above varieties for 50c.

1666. FINEST MIXED BEDDING PHLOX.  $\frac{1}{4}$  oz. 50c, pkt. 10c.

**HARDY PERENNIAL PHLOX**

1675. DECUSSATA. Tall, massive trusses of flowers in a wide range of brilliant colors are produced throughout the summer. Plants require rich soil and plenty of sun, and should be divided every three years. Seed germinates slowly. Pkt. 15c.



Physalis—  
Chinese  
Lantern.

**PETUNIAS**

Annual. Petunias surpass all other plants for bedding purposes. They thrive in poor soil, and under the most adverse conditions. They come in bloom about six weeks after planting, and continue to bloom until killed by heavy frosts.

**GIANT FLOWERING VARIETIES**

1644. GIANT DOUBLE PETUNIAS. For beauty of form and coloring, these surpass every other strain. The weaker seedlings produce the best colors. Only a certain percentage of double flowers will come true, but the balance will be giant single flowers, some frilled. Pkt. 30c.

1655. RUFFLED GIANTS. Flowers of this strain often measure 5 inches across, and are beautifully frilled and veined. Every color, from white and pale pink, to deep purple, is included in this mixture. Pkt. 25c.

1656. PRIDE OF PORTLAND. An exquisite new variety, with enormous frilled flowers of deep rose pink. Fine for porch boxes, bedding, etc. Pkt. 25c.

**BEDDING PETUNIAS**

1649. ROSE OF HEAVEN. Rich, brilliant rose, with inconspicuous white throat. Pkt. 15c,  $\frac{1}{8}$  oz. 50c.

1650. VIOLACEA. A rich, violet-blue. Pkt. 15c,  $\frac{1}{8}$  oz. 50c.

1651. F. S. & N. CO'S BEDDING PETUNIAS. Finest Mixed. A splendid, showy mixture of dwarf sorts best adapted to bedding, in a complete range of colors. These petunias will afford a gorgeous mass of fragrant flowers all summer and fall.  $\frac{1}{4}$  oz. 40c, pkt. 10c.



Platycodon—Balloon Flower.

For Petunia Plants see page 27.

1642. PHYSALIS Franchetti (Chinese Lantern Plant). 2 ft. Attractive perennials easily grown from seed. Plants form dense bushes, and bear quantities of bright orange colored pods, resembling miniature Chinese lanterns. May be cut and dried for winter bouquets. Pkt. 10c.

PINKS—See Carnation, Dianthus, and Sweet William.

1679. PLATYCODON OR BALLOON FLOWER. 1-2 ft. One of the best hardy perennials. Plants form large clumps and are excellent for the border or among shrubbery. The flowers are star shaped, and when in bud have the appearance of inflated balloons. Pkt. 10c.

1726. PYRETHRUM HYBRIDUM (Persian or Painted Daisy). 1-2 ft. Valuable hardy perennials, with beautiful daisy-like flowers in all shades of pink, rose and crimson from May to July. Their long flowering period, long stems and wonderful lasting properties, make them especially desirable for cutting. Easily grown from seed in any good garden soil. Pkt. 15c.



Oriental Poppy.

**ANNUAL POPPIES****SHIRLEY POPPIES (Silk or Ghost)**

The most graceful and delicate of all poppies with beautiful satiny flowers. Sow in the tulip or bulb bed, or as a border for perennials.

1691. AMERICAN LEGION. Immense flowers of orange-scarlet on long stout stems. Pkt. 15c,  $\frac{1}{4}$  oz. 25c.

1692. SHIRLEY MIXED. Lovely colors in delicate shades of rose, apricot, salmon-pink, red and occasional blues. Pkt. 10c,  $\frac{1}{2}$  oz. 25c.

1704. SINGLE MIXED POPPIES. Best for mass planting, naturalizing, etc. Contains the best known varieties, in beautiful bright colors. Oz. 25c, pkt. 5c.

1705. DOUBLE MIXED POPPIES. A fine mixture that will produce a brilliant display of color throughout the summer. Oz. 25c, pkt. 5c.

**PERENNIAL POPPIES**

1707. ICELAND POPPY (Nudicaule). Very hardy plants of graceful habit. They delight in a cool position, and produce exquisite yellow and orange poppies all summer. Will bloom the first year from seed. Pkt. 10c.

1708. ORIENTAL POPPY. The most gorgeous of all poppies. Very large flowers of orange, crimson, and salmon shades, appear in June. Plants die down after flowering, until fall, when new growth is formed. Seed may be sown outdoors in August, or started indoors in spring.  $\frac{1}{4}$  oz. 50c, pkt. 10c.

CALIFORNIA POPPY—See Eschscholtzia, page 50.

**PORTULACA (Moss Rose)**

Showy dwarf border plants with thick creeping foliage covered with a profusion of small rose-like flowers in brilliant colors. Prefers sunshine.

1712. SINGLE. Mixed colors.  $\frac{1}{4}$  oz. 25c, pkt. 10c.

1713. DOUBLE. Mixed colors.  $\frac{1}{4}$  oz. 75c, pkt. 10c.



Pink, Rose and Red Pyrethrum.



**1730. RICINUS—RED SPIRE** (Castor Bean). Tall, handsome annuals, of tropical appearance and rapid growth, valuable for backgrounds and screens. Foliage is deeply lobed and conspicuously veined, dark green and bronze in color. Plants do well in a hot, sunny position, and are not particular as to soil. Grow 6-8 feet high and spread widely. Oz. 25c, pkt. 10c.

**1741. SALPIGLOSSIS** (Painted Tongue or Velvet Flower). Showy annuals of exquisite form and color, which bloom from July to October. Sow outdoors in rows, when danger of frost is past, in rich sandy loam having good drainage. Cover lightly and water carefully. Flowers range from deep crimson, rose and purple, through gold, pale blue, and white, usually veined with gold. ¼ oz. 50c, pkt. 10c.

### SALVIA (Scarlet Sage)

Annual. One of the best summer bedding plants, with healthy green foliage and tall spikes of vivid scarlet blossoms. They form an effective combination with coleus or cannas, and bloom from July until killed by frost.

**1745. SPLENDENS.** Plants grow 3 feet high and are much branched, producing many tall spikes of scarlet blooms. The best for tall borders. ¼ oz. 75c, pkt. 10c.

**1746. FIREBALL.** Compact plants, 12 to 15 inches tall, with orange scarlet flowers on massive spikes. ¼ oz. \$1.25, pkt. 10c.

**1749. SAPONARIA** (Bouncing Bet). A very pretty annual, 2 feet high, bearing clusters of small satiny pink flowers. A charming cut flower, especially in mixed bouquets. Make several sowings of this. ½ oz. 25c, pkt. 10c.

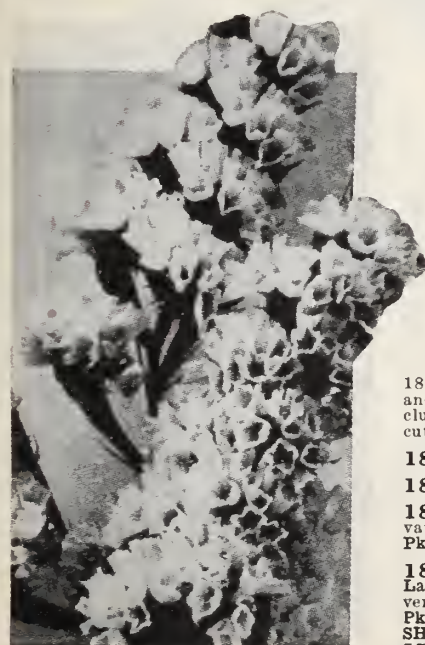
### SCABIOSA (Pin Cushion Flower)

Lovely old-fashioned annuals that deserve a place in every garden. They grow 2 to 3 feet high and bloom from July to October. Flowers are produced on long slender stems, in a variety of soft pastel shades, making them exquisite for cutting. Sow outdoors, in rich sandy loam, and a sunny position.

- 1751. MIXED COLORS.**
  - 1752. AZURE FAIRY,** soft blue.
  - 1753. WHITE.**
  - 1754. ROSE.**
  - 1755. CHERRY RED.**
  - 1756. BLACKISH PURPLE.**
- Pkt. 10c, 5 pkts. for 40c, ½ oz. 25c.

**1750. PERENNIAL SCABIOSA** (Caucasica). Hardy perennial, with exquisite soft lavender flowers, splendid for cutting. Blooms from August to October. Pkt. 15c.

**1764. SCHIZANTHUS** (Butterfly Flower). Dainty tender annuals, which deserve a place in every garden. Plants are of bushy, luxuriant growth, with delicate foliage and masses of exquisite orchid-shaped flowers. Colors range from cream to deep lavender and rose, with orange, yellow, brown, or purple markings. Valuable for massing among bare stemmed plants, and for cutting. Pkt. 15c.



Statice sinuata.



Scabiosa caucasica.

**1768. SOLANUM** (Jerusalem or Christmas Cherry). One of the prettiest plants for indoor culture. Bushy, compact, with small, shiny leaves and many bright scarlet berries. Very easily grown from seed. Pkt. 10c.

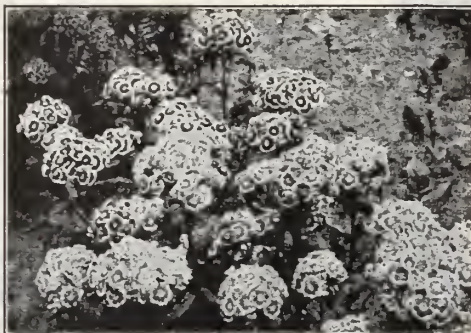
**1769. STATICE sinuata.** 3 ft. Annual. Produces panicles of minute flowers, which can be dried and used for winter bouquets. Also very attractive in the border when in bloom. Mixed colors. Pkt. 10c.

### STOCKS

Early Giant Imperial, 24-30 in. An improved strain, producing many spikes of massive, double flowers, of exquisite fragrance. Blooms from late July until frost.

- 1771. CHAMOIS,** cream, tinted rose. Pkt. 10c.
- 1772. DEEP ROSE PINK.** Pkt. 10c.
- 1774. FIERY BLOOD RED.** Pkt. 10c.
- 1776. MAUVE LAVENDER.** Pkt. 10c.
- 1777. MIXED COLORS.** Pkt. 10c.
- 1778. EVENING SCENTED STOCK** (Matthiola bicornis). This old fashioned annual is grown chiefly for its delicious fragrance, which fills the garden at night. Flowers are purplish lavender. Pkt. 10c.

Flowers for Winter Bouquets should be cut just before they are fully open. Hang with heads downward in small bunches in a well ventilated, dry, shady place.



Sweet William (Dianthus Barbatus).

### SUNFLOWER (Helianthus)

**1830. MINIATURE SUNFLOWER.** Dwarf plants producing sunflowers in many shades of rose, bronze and orange. Bloom all summer. Good for backgrounds and borders. Pkt. 10c.

**1831. RED SUNFLOWER.** 4-6 ft. Curled petals in various shades of red and orange, beautifully shaded and bordered. Pkt. 10c.

**1832. MAMMOTH RUSSIAN.** 8-10 ft. Large flat flower heads. Several rows planted outside the poultry yard fence will furnish shade as well as feed. Large pkt. 5c.

**1880. SWEET ROCKET** (Hesperis Matronalis). Hardy biennial. Plants grow 2-3 ft. high, with showy spikes of purple and white flowers, which are deliciously fragrant after sunset. Effective in the shrubbery or perennial border and fine for cutting. Pkt. 10c.

### SWEET WILLIAM (Dianthus Barbatus)

18-24 in. Showy perennials very effective in beds and borders. The flowers are borne in flat compact clusters on tall stiff stems, and are excellent for cutting. Bloom all summer.

- 1890. SINGLE MIXED.** ½ oz. 35c, pkt. 10c.
- 1891. DOUBLE MIXED.** ½ oz. 50c, pkt. 10c.
- 1894. PINK BEAUTY.** Beautiful salmon-pink variety which should be grown in every garden. Pkt. 10c.

**1895. HARDY EVERBLOOMING** (Dianthus latifolius atrocinereum). Intense velvety crimson, very brilliant in the garden, and a fine cut flower. Pkt. 10c.

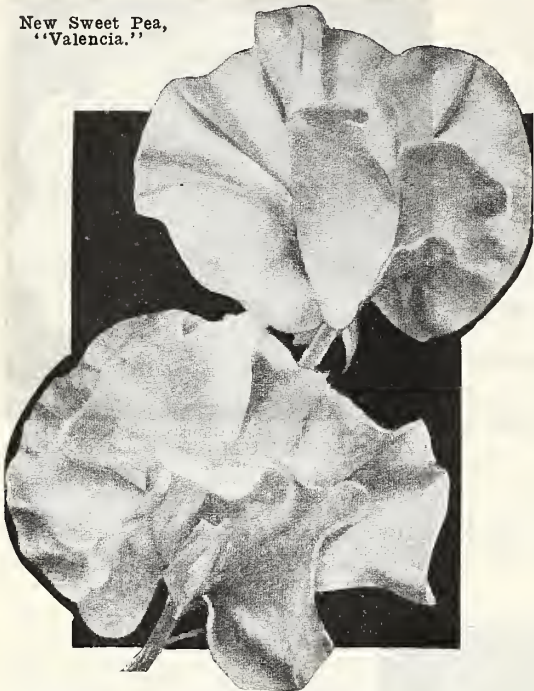
**SHASTA DAISY**—See Chrysanthemum, page 49.  
**SCARLET RUNNER**—See page 4.  
**SWEET SULTANS**—See Centaurea, page 49.



Early Giant Imperial Stock.



New Sweet Pea,  
"Valencia."



## SPENCER SWEET PEAS

One ounce of seed will plant a single row 50 feet long.

The flowers of Spencer Sweet Peas are of immense size, beautifully waved, and usually borne 3-4 on long, substantial stems. The seed should be sown very early in spring (preferably in March) as Sweet Peas thrive best in cool, moist weather. Our leaflet with complete cultural directions will be sent free with order if requested.

### TWO BEAUTIFUL NEW VARIETIES

**1851. VALENCIA.** Color a bright orange, sunproof. In vigor of growth, length of stem, and size of bloom, Valencia excels all other early Sweet Peas. Pkt. 20c.

**1852. AVIATOR.** A dazzling crimson scarlet. Far superior to any other scarlet on the market. Of vigorous growth, with fine, long stems. Pkt. 20c.

### 14 UP-TO-THE-MINUTE SPENCERS

- 1837. BRILLIANT ROSE.** A rich, shining rose. Very choice.
  - 1838. BLUE BIRD.** Lovely violet blue. A most popular shade.
  - 1839. MARY PICKFORD.** Dainty cream-pink, suffused salmon.
  - 1840. ROYAL PURPLE.** Rich, true purple. Very distinct.
  - 1841. DAFFODIL.** Deep cream. Beautiful combined with Blue Bird.
  - 1842. PINKIE.** Exquisite rose-pink, with 3-4 blooms on each stem.
  - 1843. CHARITY.** Large flowers of a brilliant crimson.
  - 1844. EDNA MAY.** Improved pure white. A perfect white Sweet Pea.
  - 1845. POWERSCOURT.** The best of all the lavenders.
  - 1846. GRENADIER.** Glowing geranium red. Outstanding in every way.
  - 1847. MISS CALIFORNIA.** Orange-salmon with cream-pink.
  - 1848. HAWLMARK SALMON-PINK.** Most beautiful of all.
  - 1849. THE SULTAN.** Deep, velvety maroon. A fine rich shade.
  - 1850. MAGNET.** Bright cream-pink. Lovely with deep rose shades.
- Each of above, pkt. 10c, oz. 25c.

**SPECIAL.** One pkt. each above 14 beautiful varieties in rainbow colors (value \$1.40) for.....\$1.00 ppd.

## GIANT HYBRID VERBENAS

Showy, hardy annuals of low spreading growth, covered with big clusters of brilliant fragrant flowers from June to October. Excellent for borders and bedding, and especially fine for cutting.

- 1900. BLUE AND PURPLE SHADES.** Shades of blue, lavender, and purple. Pkt. 15c.
- 1904. GIANT SALMON PINK.** Pkt. 15c.
- 1905. MAMMOTH ROSE QUEEN.** Pkt. 15c.
- 1907. GIANT LUCIFER.** Intense scarlet. Pkt. 15c.

**SPECIAL OFFER.** One pkt. each above 4 varieties, 50c ppd.

**1908. GIANT HYBRID MIXED VERBENAS.** This mixture will produce large, handsome flowers in beautiful shades of blue, lavender, purple, scarlet and rose throughout the summer. Pkt. 10c. See page 51 for illustration in color.

For best results with flowers and vegetables use Sacco fertilizer. See page 79.



Tritoma—Red Hot Poker Plant.



Violas (Tufted Pansies).

**1835. TRITOMA (Hybrida Mirabilis).** An annual Red Hot Poker plant. Also called Torch Lily or Flame Flower. Plants 2-3 feet high, and produces striking orange-scarlet flower spikes from August until frost. Start seed indoors in March, and set plants out in May. The roots may be taken up late in fall and stored in a cool, dry cellar until spring, like Dahlia roots. Pkt. 15c.

**1918. VERONICA SPICATA (Speedwell).** Hardy perennial, with glaucous blue foliage and tall spikes of handsome blue flowers. Height about 2 feet. One of the most decorative plants for the hardy border, and a choice variety for cutting. Pkt. 15c.

**1919. VIOLA CORNUTA (Tufted Pansy).** Charming, dainty flowers, of free blooming habit. Plants are half-hardy, and require the same attention as pansies, while the flowers resemble the violet more than the pansy, with their bright yellow centers and clear bright coloring. Particularly lovely as a border for Darwin Tulips and Iris. If sown in fall or early spring, they will bloom in May or June. Mixed colors. Pkt. 10c.

**1928. EVERLASTINGS.** The best strawflowers and other Everlastings in a fine mixture for winter bouquets. Large pkt. 15c.

**1865. RAINBOW MIXED SPENCER SWEET PEAS.** Made up of the best named varieties in a complete range of colors. For the average garden, and for planting large areas, our Rainbow Mixed Spencers are unsurpassed. Lb. \$1.75, 1/4 lb. 50c, oz. 25c, pkt. 10c, prepaid.

**1875. EARLY FLOWERING SPENCER SWEET PEAS.** This strain comes into bloom a month earlier than the common sorts, and produces large frilled flowers, in an extensive range of color, on long, strong stems. We offer a choice mixture of colors. Oz. 50c, pkt. 10c.

Use Nitragin for Sweet Peas. It pays. See page 70.



Veronica has long spikes of violet-blue flowers.



## GIANT ZINNIAS

Hardy annuals, beautiful in the garden and excellent for cutting. For a gorgeous color display plant Zinnias in large masses. The plants are sturdy, bushy and well branched, and bloom from July until killed by heavy frosts. Zinnias are not particular as to soil, but prefer a sunny location and plenty of moisture. When plants are 2 or 3 inches high, thin out to stand 12 or 15 inches apart.

### GIANT DAHLIA FLOWERED

The Dahlia Flowered Zinnia is one of the most popular flowers on the market today. It has been improved and perfected as to type and color, and produces flowers of enormous size, often measuring 4 inches in depth and 6-8 inches in diameter.

**1931. SCARLET FLAME.** Beautiful bright scarlet, with a blending of orange.

**1936. DREAM.** Fine deep lavender turning to purple. (Mallow Purple.)

**1937. ORIOLE.** An immense orange and gold bicolor, changing slightly as it ages, but always beautiful.

**1938. EXQUISITE.** Light rose, center deep rose. Truly an "exquisite" Dahlia.

**1939. CRIMSON MONARCH.** The best red. Each of the above, pkt. 15c. One pkt. each above 5 colors for 60c.

**1940. GIANT DAHLIA FLOWERED MIXED.** A wonderful mixture. Pkt. 15c, ¼ oz. \$1.00.



Giant Dahlia Flowered Zinnia.

### GIANT MAMMOTH

An improved strain of the old Giant Show type, with flowers often measuring 5 inches across. Plants grow 3 feet high, and are splendid for massing and bedding.

**1960. CERISE QUEEN.** Bright cerise. Very distinctive. Should be in every collection.

**1961. ENCHANTRESS.** Beautiful shade of rose, that always comes true to color.

**1962. ORANGE KING.** Rich glowing orange. A wonderful shade.

Each of the above, pkt. 15c. One pkt. each above 3 colors for 35c.

**1965. GIANT MAMMOTH MIXED.** Pkt. 10c, ¼ oz. 50c. See colored illustration, page 51.

**1968. GIANT PICOTEE ZINNIA.** Flowers are very double, with edges of petals serrated and tipped with a deeper color. Pkt. 15c.

**1969. NEW SCABIOSA FLOWERED ZINNIA.** A novelty entirely different from other zinnias. The flowers form a disk with encircling guard petals, and resemble the scabiosa. Plants of this new race grow 3 feet tall, and bear blossoms on long stiff stems, admirable for cutting. Mixed colors, orange, yellow, and rose. Pkt. 20c.

Treat Flower Seed with Semesan—it increases the growth and vigor of young plants, and prevents damping-off. Simple to apply—shake dry Semesan and seed together in a closed container, so that each seed is coated. 2-oz. can 50c, prepaid.



Liliput or Pompon Zinnia.

**1920. EARLY WONDER WALLFLOWER.** 12-15 in. Attractive annual for pot culture and outdoor bedding. If seed is started early in spring, the plants will bloom in June. Flowers are large and double and delightfully fragrant. Mixed colors, yellow, orange and red. Pkt. 20c.

**1925. WILD CUCUMBER (Echinocystis Lobata).** Quick growing annual climber, with dense foliage and sprays of delicate white flowers. These are followed by an abundance of ornamental and prickly seed pods. Pkt. 5c, oz. 25c.

**1929. YUCCA filamentosa (Adam's Needle).** 3-5 ft. Handsome perennials with a striking tropical appearance. Very effective in the border, rockery or for isolated positions on the lawn. Strong sword-like, evergreen foliage with tall spikes of creamy white flowers in July. Prefers a warm dry situation. Pkt. 10c.



New Zinnia Scabiosa Flowered.

Be sure to plant a Rock Garden. See page 37.

**1970. QUILLED ZINNIA. "ACHIEVEMENT."** Beautiful flowers resembling the cactus dahlias, with long narrow quilled petals, in a rich variety of colors, such as salmon, old rose, deep rose, lilac, bronze and red tones. Reverse of petals light or dark lilac, making a wonderful color combination. Pkt. 15c.

**1975. LILIPUT OR POMPON ZINNIA.** Very desirable for bedding and cut flowers. Plants grow 12-15 inches high and are literally covered with tiny, very double flowers all summer and fall. Mixed colors. Pkt. 10c, ½ oz. 60c.

**1976. RED RIDING-HOOD ZINNIA.** One-foot plants form handsome little bushes, covered with intense scarlet flowers not over an inch across. Bloom all summer, and are very effective in solid beds and for edging. Pkt. 10c, ¼ oz. 30c.

### OUR SPECIAL ZINNIA COLLECTION

- |                                       |                   |
|---------------------------------------|-------------------|
| 1 pkt. 1940 Dahlia Flowered Mixed.    |                   |
| 1 pkt. 1965 Giant Mammoth Mixed.      | 5 Pkts.           |
| 1 pkt. 1968 Giant Picotee Zinnia.     | (Value 65c.)      |
| 1 pkt. 1970 Giant Quilled Zinnia.     | for 50c. Prepaid. |
| 1 pkt. 1975 Liliput or Pompon Zinnia. |                   |

Farmer Seed & Nursery Co.

November, 1931.

I have had more favorable comments on your new Salmon-Gold Aster and those Mammoth Giant Zinnias than on any of the many fine flower varieties in my garden. I am sure these have helped us to capture the Championship Loving Cup in the 1931 Yard and Garden Contest.—Mrs. Wm. Botke, Faribault, Minn.

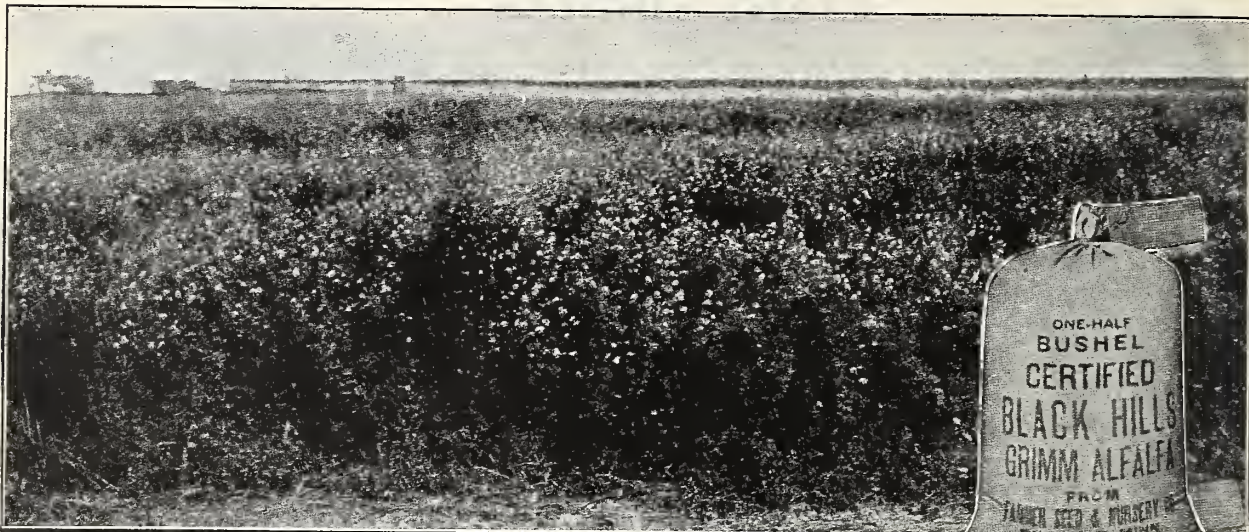


Early Wonder Wallflower.



Yucca (Adam's Needle).





A well established field of Grimm will prove a gold mine on any farm.

## ALFALFA—THE WONDER CROP

Alfalfa is one of the oldest known agricultural plants and wonderful plant was fully realized.

As a seed or cash crop, Alfalfa pays the biggest returns for labor and use of land. As a soil builder, Alfalfa will increase the value of your farm faster than any other crop. Alfalfa contains as much digestible nutrients pound for pound as bran, at a much smaller cost. For dairy cattle, Alfalfa hay, corn fodder and a small amount of ground oats make an ideal ration. For fattening beef cattle, Alfalfa has no equal. 1,000 lbs. of grain will produce 100 lbs. of beef on mature cattle with the ordinary roughages. If good Alfalfa hay is fed with corn, the amount of grain required will be reduced nearly one-half. Statistics show that 776 lbs. of pork will be produced on one acre of Alfalfa. For good pasture results, Alfalfa sown with other grasses will make an ideal feed. There are numerous varieties of Alfalfa, and others are being introduced each year. Many of them have merit for certain localities, but for the Northwest, Grimm and Cossack are greatly to be desired. Dry Land Alfalfa seed from the Dakotas, Montana and Idaho has proven hardy, especially when it comes from fields 15 to 30 years or more old as our seed does.

yet it was only within recent years that the value of this

Alfalfa is one of the oldest known agricultural plants and wonderful plant was fully realized. As a seed or cash crop, Alfalfa pays the biggest returns for labor and use of land. As a soil builder, Alfalfa will increase the value of your farm faster than any other crop. Alfalfa contains as much digestible nutrients pound for pound as bran, at a much smaller cost. For dairy cattle, Alfalfa hay, corn fodder and a small amount of ground oats make an ideal ration. For fattening beef cattle, Alfalfa has no equal. 1,000 lbs. of grain will produce 100 lbs. of beef on mature cattle with the ordinary roughages. If good Alfalfa hay is fed with corn, the amount of grain required will be reduced nearly one-half. Statistics show that 776 lbs. of pork will be produced on one acre of Alfalfa. For good pasture results, Alfalfa sown with other grasses will make an ideal feed. There are numerous varieties of Alfalfa, and others are being introduced each year. Many of them have merit for certain localities, but for the Northwest, Grimm and Cossack are greatly to be desired. Dry Land Alfalfa seed from the Dakotas, Montana and Idaho has proven hardy, especially when it comes from fields 15 to 30 years or more old as our seed does.

### How to Succeed with Alfalfa

**The Soil.** Any soil that produces good crops of small grain, corn, potatoes and clover, is generally suitable for Alfalfa. It must be deep, well drained loam, with an abundance of humus. If the soil is underlaid by hard-pan, with the roots can not penetrate, consequently, they stop growing, and soon die out. The ground should be as free from weeds as possible and should be plowed several months before seeding, with frequent harrowing until seeding time.

**Acid Soil.** Alfalfa will not grow in acid soil. The bacteria on the Alfalfa and other legumes draw nitrogen from the air and deposit it in the soil, thereby producing fertility. If you want to know whether your soil is acid, test it with Soiltex listed on page 64 or send a sample to the Division of Soils, University Farm, St. Paul. On acid soil spread lime at least two weeks before sowing.

**The Seed.** Grimm Alfalfa is the best and surest variety for a permanent stand. Only the hardiest varieties that will not winter kill should be sown here in the Northwest.

**Seeding.** Seeding may be done from April 1 to July 1, also in August. Early seeding is best as the Alfalfa gets the benefit of the warm spring rains. Sow one inch deep on sandy soil, three-quarters inch deep on heavy soil, using 12 to 15 lbs. of seed per acre. Early maturing small grains or flax may be sown as a nurse crop with Alfalfa.

**Harrowing.** Harrow the field once a year after the first cutting with a spring tooth harrow set two inches deep. Harrowing pulls out all shallow rooted weeds and stimulates the growth of Alfalfa.

**Inoculate.** To insure a good stand of Alfalfa inoculation of the seed is necessary. Nitragin is the most effective and inexpensive means of inoculating. See pages 60 and 70.

### Alfalfa Pays Best of all Crops

1. Alfalfa is easier to start than clover.
2. It withstands drought better than clover because of its long penetrating roots.
3. It is the best and most nutritious hay for all livestock. Feed with corn or grain for balanced ration.
4. It makes dairying pay better.
5. It also makes good green feed for poultry.
6. It is the best of all soil builders.
7. It exterminates weeds, even quack grass, by crowding them out.
8. Good clean alfalfa seed always brings a high price.
9. It is unequalled for hog pastures. Sow in 2 plots and change hogs from one to the other between cuttings. You can raise 3 crops of hay and never miss the alfalfa eaten by the hogs.

### BUY ONLY U. S. VERIFIED SEED

The United States Seed Verification Service gives to the buyer of Alfalfa Seed, proper assurance that such seed was produced where stated on the Verified Origin Seed Certificate attached to each bag. This service was inaugurated by the Government when it was found that unscrupulous seed dealers were substituting strains that were non-hardy, or otherwise unadapted, in place of those that were particularly adapted to certain sections of the country.

The Government has authorized certain seedsmen who meet with the prescribed qualifications to be Verified Origin Dealers. We have been appointed as such and any Alfalfa seed that we send to you will be sealed and tagged, either with the United States Verified Origin Certificate, or with a Certificate of the State authorities in which the seed is grown which the Government recognizes as a Verified Origin Certificate. This will safeguard you so that you can buy Alfalfa seed, knowing that it will positively have been grown in the state so designated on the tag. Remember we are Verified Origin Alfalfa Dealers. Look for the Verified Origin Seed Tag or an authorized State Tag on each bag.

### Inoculation Is Necessary

While it is advisable to inoculate Sweet Clover, Soy Beans, and Red Clover, which produce only one or two crops, it is most important to inoculate Alfalfa, which is intended to produce crops for many years. The expense is only about 25c an acre, for inoculating bacteria.

If the Alfalfa is to be sown on land on which inoculated Sweet Clover has been grown, reinoculation is not necessary. The nodules on the roots of legumes draw the nitrogen from the air, deposit it in the soil, thereby stimulating the growth of the plants and increasing the fertility of the soil.

**Nitragin** is the most effective inoculator. The treatment is simple—dissolve the contents of a box of Nitragin in water—dampen the seed with this solution. Dry the seed and plant.

**Note:** Dry inoculants which are applied in dry dust form have to date been found unsatisfactory in tests made by the United States Department of Agriculture. We do not list dry inoculants for this reason. Nitragin is the most dependable inoculant.

Price of Nitragin for Alfalfa and all clovers:

Size	Not prepaid	Postpaid
¼ bu. ( 15 lbs. seed).....	\$.40	\$.45
½ bu. ( 30 lbs. seed).....	.60	.65
1 bu. ( 60 lbs. seed).....	1.00	1.00
5 bu. (300 lbs. seed).....	4.75	4.75

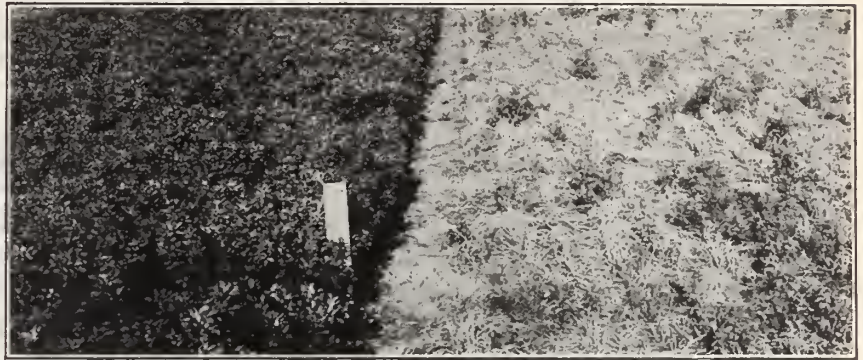
"Alfalfa," a practical booklet on Alfalfa culture is free with orders for Alfalfa Seed, if requested.



# HARDY NORTHERN GROWN ALFALFA

**GRIMM ALFALFA—The Hardest Alfalfa Known**

Grimm Alfalfa was introduced by Wendelin Grimm in Carver County, Minnesota. Mr. Grimm saved the seeds from those plants that did not winterkill and reseeded his field so that he eventually had a perfect stand. This variety was thoroughly investigated and found to be exceptionally hardy and was named Grimm in 1903. Every field of genuine Grimm Alfalfa is traceable back to the original field of Carver County, so when we offer you Grimm Alfalfa you can be assured that it is the same hardy type grown for 70 years in Carver County. Grimm Alfalfa has more lateral or branching roots than will be found on Common Alfalfa. This characteristic undoubtedly plays a big part in its hardiness, enabling it to withstand soil heaving, freezing and thawing better than many varieties having only one tap root. The blossoms of Grimm are variegated from white to a very dark with yellowish to purple predominating. Grimm Alfalfa is so valuable a variety in the Northwest that it should be grown in preference to all others.



Hardy Grimm on the left; non-hardy seed on the right.

### Registered and State Sealed Grimm

This name is used to describe Grimm Alfalfa which is grown on fields that have been registered, inspected, graded and sealed by state authorities. It represents the very best in Grimm Alfalfa. We offer Registered and State Sealed Grimm from Montana, South Dakota, Minnesota and Idaho.

### Certified or Grower's Affidavit Grimm

Not for sale in Minnesota and Wisconsin

This represents genuine Grimm which is covered by a grower's affidavit showing that the seed traces back to Registered Grimm fields. We carefully inspect the fields which produce this seed and we know that it is dependable. We offer Grower's Affidavit Grimm from the states of Minnesota, Montana and South Dakota.

### BLACK HILLS GRIMM

State Registered and Sealed and Certified Grower's Affidavit Strains. We have specialized in Black Hills Grimm Alfalfa Seed for many years as this section of South Dakota is the natural Alfalfa country and the plants are subjected to very rigorous climatic conditions making them entirely hardy and suitable to all sections of the country. Growers know that they can depend upon our strains of Alfalfa Seed as they come from recognized clean Grimm fields that have had careful inspection. Black Hills Grimm has been proven definitely to be as hardy a strain as exists. A State Certificate or Grower's Affidavit accompanies each shipment. Price: State Sealed Grimm per lb. 50c, postpaid; Certified Grower's Affidavit Grimm per lb. 40c, postpaid.

### MONTANA GRIMM

State Registered and Certified Grower's Affidavit Strains. This strain has proven to be as hardy as any known strain of Grimm. A rigid inspection system is carried on by the Montana Authorities which gives assurance to the buyer that the seed is not only genuine Grimm, but will be free from noxious weeds and mixtures of other crops. A State Certificate or Grower's Affidavit accompanies each shipment. Price: Same as for Black Hills Grimm.

## DRY LAND ALFALFA

Dry Land Alfalfa is the name given to those varieties that are designated as the Common types. Seed production takes place in the drier sections of the United States which are peculiarly adapted for such a purpose. These dry regions are subjected to extremes of heat and cold and for a good many days during the winter are not even protected with a covering of snow. Alfalfa varieties grown under such conditions for 15 to 25 years or more without winterkilling must be hardy. We list a number of these varieties that are well adapted to Northwest conditions and we can highly recommend them, especially for a short stand of 4 to 5 years.

### DAKOTA NO. 12

This is the most commonly grown variety of Dry Land Alfalfa since it has given the best of results on all types of soil and under all climatic conditions. Our seed stocks come from fields that have been in Alfalfa 25 to 30 years or more and the plants which endure the extremes of hot summers and severe winters and dry, high altitudes are thoroughly hardy. Only a fair crop of seed of this variety was harvested because of the dry season and consequently, there will not be an oversupply. As Dakota No. 12 is always in great demand, we suggest placing your orders as early as possible. Price: Per lb. 35c, postpaid.

### MONTANA COMMON

This strain resembles Dakota No. 12 in hardiness, yields and the quality of the hay. The conditions under which it is grown are severe as any found in this country and consequently only those plants that are hardy have been able to survive. We offer you seed from fields that have been growing for many years and we can recommend this variety for Northwest conditions. The drought has had a tendency to cut down the yields of Montana Common Alfalfa seed and consequently there will be only a moderate supply available. Price: Per lb. 35c, postpaid.

### MINNESOTA GRIMM

State Registered and Sealed. While Minnesota is the home of Grimm Alfalfa, yet in the past there has been comparatively little seed produced as the weather conditions at seed setting time were always unsatisfactory. During the past season conditions for setting Alfalfa seed were quite good and consequently, we have been able to secure a limited quantity of excellent quality seed. Those growers who have always wanted Minnesota Grimm Alfalfa can now obtain it. Price per lb. 50c, postpaid.

### BLACKFOOT GRIMM

Registered in Sealed Bags. Blackfoot Grimm is a highly dependable strain of Idaho Registered and State Sealed Grimm put up by the Blackfoot Grimm Grower's Association of Idaho under the supervision of the state authorities. Like all other state certified Alfalfas, it is inspected during the growing season and after the seed is threshed and cleaned, it is sealed under the authority of the State Seed Commissioner of Idaho. Like the Montana Registered strain, Blackfoot Grimm is especially desired if it is your intention to register your fields for seed production. Price: Per lb. 50c, postpaid.

### COSSACK ALFALFA

Cossack Alfalfa was brought over from Siberia by Prof. Hansen of the South Dakota Experiment Station some years ago. This strain, which was under observation for five years in Russia, during which time not a single plant winterkilled, was proven to be absolutely hardy. In recent years, the demand for Cossack Alfalfa has been increasing steadily and there never has been sufficient seed to take care of all requirements. Cossack Alfalfa produces a somewhat finer hay than many of the other varieties and is equally as hardy as Grimm. Cossack Alfalfa seems to withstand intense cold, heat and drought equally well. The flowers, like those of Grimm, have a great range of colors, white, purple, yellow, striped, etc. A certificate of genuineness is sent with each order. We advise sowing 15 lbs. per acre. Price: Per lb. 50c, postpaid.

### NORTHWESTERN ALFALFA

This is a strain of Alfalfa which can be depended upon for the production of large crops of hay or pasture and has proven to be well adapted in the northern part of the country, especially where there is a good snow protection during the winter. Throughout the Corn Belt states there is a very large demand for this variety since it yields a large tonnage of hay. Our seed is grown in Montana. Price: Per lb. 35c, postpaid.

### VARIEGATED ALFALFA

For Sale in All States.

Variigated Alfalfa is of a type very similar to Grimm with blossoms having a color range of white, yellow and purple. It is thought by many to be of the same origin as Grimm but no definite records of the origin were kept so it cannot be definitely stated from what variety it came. It has shown itself to be completely hardy in the most severe climate of Minnesota, the Dakotas and Montana and can be recommended as being very desirable for seeding in any part of northern United States where winter hardiness is essential. Price: Per lb. 40c, postpaid.

We quote prices on small quantities of Alfalfa postpaid. For prices on larger quantities, see Blue Figure Price List enclosed.



# MINNESOTA GROWN CLOVER SEED



Medium Red Clover—The Backbone of Agriculture.

## CLOVER IS ESSENTIAL

Clover is truly the backbone of agriculture in the Northwest. For building up the soil and maintaining fertility or producing profitable hay and forage crops, Clovers cannot be surpassed. This is brought more forcibly before us since such a great percentage of new plantings were killed or severely injured by the drought the past season, the seed crop also was reduced far below the usual production. We anticipate a very great demand for Clovers from all sections of the Central and Northwest states. Even with the small supply, you will be agreeably surprised to note from the blue figure list just how reasonably priced the highest quality "Master Farmer" Brand Clovers may be obtained. Do not overlook the various special lots fully described on the blue figure list. Every one of them represents full value for the money and you can depend on them being free from noxious weeds. For those who grow Clovers for seed production, we advise the "Master Farmer" quality. However, for those whose aim it is to build up the soil and produce hay crops, the special lots offered will answer every purpose and mean quite a saving in seed cost. Samples will be sent free on request.

## WHY THERE IS A DIFFERENCE IN CLOVER SEED

The severe winters of Northern United States have taught us the importance of sowing only Clover Seed which we know to be of hardy origin, and, what is equally important, to be sure of the purity and germination of the seed we sow.

A few years ago a movement was started by various agricultural agencies to determine the Master Farmers of the Country. A limited number were chosen, after most rigid investigation, and each year will see others added to the list, though all of them must be outstanding farmers of real accomplishment.

We find that the better farmers are users of our high quality seeds which are the very best that money can buy, and as these better farmers have set the pace for the farmers in the country, so have our seeds for the past 44 years taken the lead for quality and dependability among agricultural seeds. Therefore, keeping abreast with progress, we changed the brand of our highest quality seed to "Master Farmer" in honor of those master farmers who use

only the best. This name has been readily accepted by our many thousands of satisfied customers for they know it is truly a fitting name, as the title of "Master Farmer" represents a goal towards which all good farmers strive, while "Master Farmer" Seeds represent the goal of highest purity, hardness, freedom from noxious weeds and strong germination.

We point with pride to having maintained such a high standard during the 44 years of our company's history. This high standard was set up long before seed laws were enacted, or before it was found necessary to verify the origin of the seed in order to prevent mixtures with non-hardy strains now frequently sold in unfair competition with our hardy northern strains.

The "Master Farmer" tag tells its story—a true statement of the purity and germination, and locality where grown. It is a guarantee of satisfaction to the purchaser or your money back promptly upon return of the seed.

## ALSIKE CLOVER

Alsike Clover has the same soil building properties as red clover, storing nitrogen in the soil, thereby increasing the yields of succeeding grain and corn crops from 25 to 50%. It is a true hardy perennial, with fiber instead of tap roots, and is not injured by thawing and freezing.

Alsike can be sown on soil that is slightly acid or sour, where lime cannot be applied, and where other clover or alfalfa will not grow. It can be sown on heavy, wet, or low soil that sometimes becomes waterlogged, and also endures drought well.

It makes better hay than Red Clover, because of its fine smooth leafy foliage. Its feeding value is nearly equal to that of alfalfa. It produces a thick undergrowth, which makes it the best clover to sow with grains and in mixtures with grasses, for pastures and meadows. It makes very fine pasture, as it is extremely hardy and will stand for years.

The seed of Alsike is very fine, therefore it is more economical to sow, only 7 or 8 pounds per acre being required. As a seed crop, it is often more profitable than Red Clover. It is cut for seed when two-thirds of the heads are ripe.

Alsike Clover has its place in the crop rotation the same as Red Clover and for best results is usually reseeded at the end of two years' growth. Price: Lb. 35c, postpaid.

## WHITE CLOVER

Best for lawns and pastures. White Clover is sown mostly in mixture with other grasses, especially with Blue Grass, for lawns, golf grounds, also for pastures for sheep and cattle. It thrives best in moist soil containing lime and considerable humus, but is also grown on sandy soil which is not too loose and dry. For lawns sow 5 to 6 lbs. mixed with grass seeds, to the acre. Price: Lb. 55c, 5 lbs. \$2.50, prepaid.

## MEDIUM RED CLOVER

Medium Red Clover fits better into crop rotations than any other legume. It will increase succeeding crops from 25 to 60%, besides furnishing many tons of hay of high protein content. The first crop is usually cut for hay, before it comes into full bloom. The second crop may be cut for hay or seed or turned under, to fertilize the soil.

Red Clover is a biennial which means that it will grow for two seasons only and then must be reseeded. It is adapted to any well drained soil free from acidity and is better for general north-west conditions than any other clover. It furnishes luxuriant pasture and hay for cattle but is not quite so good for horses.

Sow Red Clover at the rate of 10 lbs. per acre with small grain or flax. Use about one-half or two-thirds of a normal seeding of grain or flax so as not to smother the clover. We use a clover seed attachment to the grain drill, sowing the seed ahead of the drills, and cover it lightly with a harrow. Price: Lb. 35c, postpaid.

## MAMMOTH CLOVER

Extremely hardy, and valuable for fertilizing poor soil which is too low and heavy for growing Red Clover. It makes the best permanent hog pastures, seldom freezing out, and produces a large crop of hay, as much as 3 to 5 tons to the acre. Sow 5 to 6 lbs. per acre, with small grain, for plowing under. For a hay crop, sow 8 to 12 lbs. per acre. Grows on acid soil where Medium Red and Alfalfa fails. Yields again as much as Medium Red Clover, though the hay is rather coarse. Price: Lb. 35c, postpaid.



# SWEET CLOVER

THE GREAT SOIL BUILDER AND FORAGE CROP



Note the dense, heavy growth produced by Grundy County Sweet Clover.

## SWEET CLOVER AS A SOIL BUILDER

Sweet Clover is now a leading crop here in the Northwest. The acreage has been steadily increasing and has now reached the point where every progressive farmer has at least a portion of his land devoted to this valuable crop. As a true biennial legume it fits in with any crop rotation, the same as Red Clover, besides yielding very large returns in the way of hay and pasture.

Sweet Clover is now a necessity if you are handling livestock, especially dairy cattle. It grows on clay, sandy, alkaline or gumbo soil. It prevents drifting on shifting sandy soil. A hard pan subsoil is loosened by the heavy penetrating roots, allowing the necessary aeration and depositing large quantities of humus and nitrogen. Sweet Clover is a rank, dense grower of great value in exterminating weeds such as quack grass, thistle, etc. It grows rapidly the second season obtaining a height of 3 to 8 ft. under favorable conditions, depending upon the variety. It puts the land in shape for alfalfa by holding the weeds in check and depositing nitrogen in the soil.

## SWEET CLOVER AS A HAY CROP

For pastures and hay, it is second only to alfalfa. It may grow from 1 to 3 ft. high the first season and may be clipped for hay or pastured lightly as it is not easily injured by tramping of stock. It grows very dense and rapidly during the second year. If it is to be cut for hay, this should be done early in the season before the blossoms appear and the stems become woody.

Cut Sweet Clover 5 to 8 in. above the ground as otherwise you will damage the plants and many of them will be killed. Allow the hay to wilt a few hours after cutting, then place upright in small cocks until it is dry enough to stack. Handle carefully to prevent shattering of leaves.

Sweet Clover has a great feeding value, containing about 68 per cent protein as compared to 70 per cent in alfalfa and 46 per cent in red clover. One acre furnishes sufficient pasture for 2 to 4 cows throughout the season. Cattle rarely bloat on it.

Use 12 to 15 lbs. of scarified seed per acre along with 1½ bushel of oats or ¾ bushel of wheat or sow in spring on fall sown wheat or rye. Firm the seed bed well after seeding which aids germination. Cover 1 to 1½ inches deep. It is absolutely necessary that Sweet Clover be inoculated with Nitragin unless the field previously has been inoculated for sweet clover or alfalfa.

## GRUNDY COUNTY SWEET CLOVER

Grundy County Sweet Clover is preferred by many farmers since it does not grow quite as tall as the common white blossom variety and it produces finer stems and a greater number of leaves, making it better adapted for hay purposes. It matures earlier so that the hay crop can be cut before the small grain is harvested. It produces a seed crop earlier than other varieties and this is an advantage in many localities that are subjected to early frosts. The hay cures more rapidly than the common tall variety and is very palatable. Grundy County Sweet Clover makes an excellent pasture but it does not last as late in the season as the common tall variety. Often 8 to 15 bushels of seed are produced per acre which would net a very excellent return. Price: Lb. 25c, 5 lbs. \$1.00, postpaid.

25% cash will hold your order until wanted; balance to be sent at shipping time. Save at present low prices.

## WHITE BLOSSOM SWEET CLOVER

This makes the rankest, tallest growth of any clover, producing the biggest hay crops and most luxuriant pastures. Because of its dense growth and the great size of its root system, it is the best soil enricher and green fertilizer. It is the best crop to grow to prepare the ground for a stand of alfalfa. The plant looks much like alfalfa, especially when young, but the leaves are not quite as smooth, and taste slightly bitter. It forms a main stem, from which the side branches grow, while in alfalfa, the crown sends up numerous shoots. It makes even better pasture for cattle than alfalfa because they do not bloat on it.

White Blossom Sweet Clover is cheaper to grow than alfalfa and fits perfectly into any crop rotation. This is the best strain, and the one most commonly sown, to prepare the ground for alfalfa. It breaks up the soil, and deposits large quantities of nitrogen.

Our seed is of fine quality, free from fowl weed seeds, and of highest germination. Price: Lb. 25c, 5 lbs. \$1.00, postpaid.

## YELLOW BLOSSOM SWEET CLOVER

This variety is dwarfier, finer and more spreading than the white. It makes a very fine quality hay and pasture.

Yellow Blossom Sweet Clover is 10 to 15 days earlier in maturing its seed, and where seasons are very short or unfavorable, there is a decided advantage in sowing this strain. It can be cut for hay very early, and cut close to the ground, whereas the white must be cut high. It is also excellent for bees, supplementing the use of the white variety, and extending the season, on account of its earliness. Price: Lb. 25c, 5 lbs. \$1.00, postpaid.

## HUBAM ANNUAL SWEET CLOVER

Hubam has come rapidly to the front as an emergency pasture and hay crop to be sown in seasons where drought, freezing injury or other adverse conditions have wiped out pastures and meadows leaving the farmers without any definite hay prospects. Hubam is a rapid grower and once it is well established can be pastured as you would pasture the biennial varieties of Sweet Clover.

Hubam is an annual legume, the seed of which resembles that of White Blossom Sweet Clover. It is best suited for the corn belt section. It grows from 3 to 7 feet high, depending upon soil and climatic conditions. It will produce as much as 3 tons of hay per acre, cut just before blossoming time. It grows on any good non-acid soil, and should be sown the same as other sweet clovers. Hubam will produce a seed crop in this latitude, in a long, favorable growing season. Price: Lb. 30c, 5 lbs. for \$1.40, postpaid.

Sweet Clover—the "Sweetheart of the Northwest," is the title of an interesting and valuable booklet published by the International Harvester Co. Sent free with orders for Sweet Clover, upon request.

VALUABLE BULLETINS EVERY FARMER SHOULD READ  
Send to the U. S. Dept. of Agriculture, Washington, D. C.  
These bulletins are free: write for the bulletins you want.  
Red Clover, Farmers' Bulletin No. 1339.  
Alsike Clover, Farmers' Bulletin No. 1151.  
Sweet Clover, Farmers' Bulletin No. 836.



# CLOVER-GRASS MIXTURES



A profitable hay crop is always assured with Timothy and Alsike.

## TIMOTHY AND ALSIKE MIXTURE

Best for Permanent Pastures and Meadows Because:

1. It makes an excellent permanent pasture, for they are both perennial.
  2. It may be grown on soil slightly acid, where Red and Sweet Clover or Alfalfa cannot grow.
  3. The hay produced is very leafy, of fine quality, and richer in protein than Timothy alone.
  4. More tons per acre can be produced.
  5. Fertility will be added to the soil through the Alsike and the Timothy will grow much better as a result.
  6. The hay can be fed to all kinds of livestock and it is relished by them.
  7. Not only will this mixture of forage crops produce well on lowlands with slightly acid soil, but it also makes as good returns on uplands as many other forage crops.
  8. Timothy and Alsike Seed Mixtures are often found to be inseparable, and the cost of producing them together is less than if the two kinds of seed were produced separately and mixed.
- We offer two mixtures, one containing 20 to 25% Alsike which has been a very popular mixture and for those who wish a larger percentage of Alsike, we offer a mixture having 30 to 35% Alsike. Sow about 12 pounds to the acre. Price: Lb. 25c, 5 lbs. \$1.00, postpaid. For prices on larger quantities, see Blue Figure Price List enclosed.

May 29, 1931.

Received last order in good shape—well pleased with your lot "Superior" Timothy and Alsike Seed—will want more next year.  
Oscar H. Olson, Mason, Wis., Rt. 1, Box 55.

## TEST YOUR OWN SOIL WITH SOILTEX

Success with alfalfa, clover, sweet clover, soy beans, and other legumes, depends largely upon the condition of your soil. If this contains acid, you can not expect a good stand. You certainly can not afford to sow expensive alfalfa and clover seed on land not fit to produce a good crop.

To correct this acid soil condition, crushed lime rock is usually spread on the land, at the rate of 1½ to 4 tons per acre.

**SOILTEX** enables you to determine if your soil needs lime, and how much. The test is very simple. A small quantity of soil is placed on waxed paper folded lengthwise, and the Soiltex solution dropped on one end of the soil until it is saturated. After standing a short time, the solution is drawn from the other end of the soil, and its color compared with the color chart, to determine the reaction and lime requirement. Directions with each outfit, and material for 100 tests.

**SOILTEX** outfits are being used in agricultural colleges, by county agents, extension workers, and farmers.

Price: \$1.00, postpaid.



## PERMANENT PASTURE AND MEADOW MIXTURE

For all soils except low wet ground. To resist the extremes of our cold northern winters and our hot dry summers, and endure the abuse of close pasturing, we offer a special pasture mixture, consisting of hardy, deep rooted grasses and clovers. This will furnish good grazing thruout the season. It consists of Meadow Fescue, Bromus Inermis, English and Italian Rye Grass, Timothy, Kentucky Blue Grass, Alsike and White Clover. Sow at the rate of 25 lbs. per acre. Price: Lb. 45c, prepaid. Not prepaid, 10 lbs. \$2.50, 25 lbs. \$4.25, 50 lbs. \$7.75, 100 lbs. \$14.90.

## PASTURE AND MEADOW MIXTURE FOR LOW WET GROUND

For land that is occasionally overflowed. Only a few grasses withstand overflowing and standing moisture on the soil. We have found the following mixture most satisfactory for this purpose: Red Top, Domestic Rye, Grass, Bromus Inermis, Timothy, Reed Canary Grass, and Alsike Clover. Sow 20 to 25 lbs. per acre. For top seeding, sow 10 to 15 lbs. per acre. Price: Lb. 45c, prepaid. Not prepaid, 10 lbs. \$2.50, 25 lbs. \$4.25, 50 lbs. \$7.75, 100 lbs. \$14.90.

## PERMANENT HOG PASTURE MIXTURE

Permanent Hog Pasture Mixture contains the following mixed in the right proportion to produce the greatest feeding value:

Alfalfa.	Meadow Fescue.
Orchard Grass.	Domestic Rye Grass.
Red and Alsike Clover.	Bromus.
Sweet Clover.	Timothy.

This mixture can be sown any time, from early spring until midsummer, and does not require any particular kind of soil, in fact, any soil that produces crops of small grain or corn, will answer the purpose. Because of the large amount of clover and alfalfa it contains, it serves the double purpose of providing the hogs with pasture of high feeding value, and building up the soil at the same time. Sow 25 lbs. per acre. Price: Not prepaid, 25 lbs. \$3.85, 50 lbs. \$7.20, 100 lbs. \$13.85.

## ANNUAL HOG PASTURE MIXTURE

ONE ACRE ENOUGH FOR 40 SPRING PIGS OR 20 OLDER HOGS

This mixture was put up to meet the demand for a pasture that will develop young pigs rapidly, and produce pork at a minimum cost. It contains all the necessary body and bone building elements, and will prove much more economical than the use of corn, grain and mill feed throughout the year. A good pasture of legumes, grasses and grains, will keep hogs in healthy condition, fatten them quickly, so that but little corn is required to finish them off. Our balanced ration mixture consists of the following in the right proportions:

Amber Cane.	Field Peas.	Rye.	Sudan Grass.
Vetches.	Barley.	Oats.	Dwarf Essex Rape.

One acre of pasture sown to this mixture is sufficient for 30 to 40 spring pigs, and 15 to 20 older hogs. It is best to divide the hog pasture into two parts and change the hogs from one section to the other, about once a week, to give the grains and grasses a chance to recuperate. Sow at the rate of 60 to 85 lbs. per acre.

Price: 25 lbs. \$1.50, 50 lbs. \$2.75, 100 lbs. \$5.00, sacks included.



# HARDY GRASSES

## REED CANARY GRASS (Phalaris Arundinacea.) A profitable crop for peat and wet soils.

Reed Canary Grass recently has gained great popularity due to its being adapted to the types of soil that are unproductive for other crops.

The Farmer Seed Co. introduced Reed Canary Grass as a cultivated crop nearly 25 years ago. In central Minnesota it has been grown for about 15 years. Many of these fields were started from seed purchased from us and they have been giving excellent returns on land that otherwise would not be bringing anything.

### Four to Ten Tons of Hay Per Acre

Over a period of three or four years, Reed Canary Grass was observed growing in swampy regions in Waseca and Le Sueur Counties. This grass was so outstanding in its performance that steps were taken to obtain seed and distribute it. The demand for this variety has increased greatly and in a very few years Reed Canary Grass will be grown generally throughout the Northwest. Peat and muck soils have yielded pasture and hay equal to foreign crops harvested from well drained soils.

### Plants Hardy and Vigorous

Reed Canary Grass is a perennial and will continue to live until broken up. The plants are cold resistant, both as seedlings and in the mature stages. If the seed becomes covered up by fresh water, it will grow, but if covered by stagnant water for any length of time, it will be injured. The grass grows rapidly beginning early in the spring. The heads appear about the first week in June and are ripe about four weeks later. The leaves are broad and light green in color and the plants often grow five to six feet in height. Underground stems rapidly form a tough sod and will hold hay making machinery without difficulty.



Reed Canary Grass makes worthless wet fields productive

Underground stems rapidly form a tough sod and will hold hay making machinery without difficulty.

### HOW TO GROW THE CROP

If the land is well drained so that you can prepare a seed bed, do so for on a good seed bed it will not take quite so much seed per acre. If possible, plow in the fall for then you can seed early in the spring. The seed also may be sown in October if there is any difficulty in getting on the field in the spring for it does not germinate until the following spring when sown late in the fall. The seed will germinate in water, but if covered by soil underneath the water, it will not get started until after the water has drained off.

Sow the seed in the spring as early as possible so that the seedlings may become well established before the weeds begin to grow. On very weedy land, seeding may best be done in the last week in June or the first week in July. This allows an opportunity for

discing the land in the spring in order to kill the weeds. The seed should be sown at the following rate: Broadcast 5 to 6 lbs. per acre, drilled 2 to 3 lbs. per acre, in 16 to 18 in. rows. A roller can be used to advantage on peat soils after seeding.

Reed Canary Grass will produce an abundance of pasture from early spring until fall. An acre will pasture 3 or 4 dairy cows throughout the season where there is a plentiful supply of moisture. The grass should be kept grazed very close except in the fall. Cut the first crop for hay as soon as the heads begin to appear, as the hay contains the highest value and is finest at this stage. Two or three crops of hay and some fall pasture may be obtained by such a practice. Reed Canary Grass will yield 4 to 10 tons or more per acre. Price: Lb. \$1.00, postpaid. See Blue Figure List.

### TIMOTHY

A hardy perennial, resisting both cold and drought. It is best adapted for sowing with clovers, which supply nitrogen and increase the vigor of the Timothy. It may also be sown with grain. The soil must be well pulverized and the seed lightly covered. Timothy has shallow, fibrous roots, and increases by multiplication of bulbs. If it is cut too early, or pastured after the hay is cut in fall, these bulbs are weakened and the stand decreases.

Timothy makes good nutritious hay that is easily cured. It produces from 1 1/2 to 3 tons of hay per acre. It should be cut at flowering time. Sow 15 to 20 lbs. per acre alone; with clover, sow 10 to 12 lbs. Price: Lb. 25c, 5 lbs. \$1.00, postpaid.

### BROMUS INERMIS

Bromus is a vigorous hardy perennial, with strong creeping roots. It is especially valuable for poor, dry soil, for hay and pasture, as it withstands heat, drought, and cold. It is useful for sowing on hillsides, terraces, and levees, as it forms a firm sod and keeps the soil from being washed away. The roots push thru the soil and form new plants on every side. It makes an early growth, 2 or 3 weeks before any other grass, and remains green until November, and stands close cropping without injury. It is good to use on moist low ground that is flooded at times.

It grows 3 to 4 feet high, yielding enormous crops of excellent hay, 2 to 4 tons per acre. The best hay is cut while the grass is in full bloom. It is also a profitable seed crop. Bromus should be sown at the rate of 25 to 30 lbs. per acre, with two-thirds the usual quantity of small grain. It may also be sown with winter grain. Price: Lb. 35c, 5 lbs. \$1.50, postpaid.

### ENGLISH AND ITALIAN RYE GRASS

These grasses are very similar and are well adapted for pastures, meadows and lawns as they endure close cropping and make a dense leafy undergrowth. They thrive almost everywhere but grow best in moderately rich soil. Italian Rye Grass perhaps does a little better on moist soil, sow 20 to 30 lbs. per acre. Price: Per lb. 35c, 5 lbs. \$1.50, postpaid.

### ORCHARD GRASS

A coarse tufted perennial which will stand considerable shade and is excellent for hay when young. It is early and stools heavily and may be sown in orchards, groves and other shady places. Price: Per lb. 35c, 5 lbs. \$1.50, postpaid.

### KENTUCKY BLUE GRASS

This famous grass does well almost everywhere, if the soil is fairly rich, moist, and moderately well drained, or there is lime present in the soil. It requires about 2 years to become well established.

Kentucky Blue Grass will last for many years, as the plants spread from underground roots, and rarely needs reseeding. It withstands hard wear, remarkably well, forming a firm, tough sod. Kentucky Blue Grass should be sown as early as possible, to give it a good start before weeds spring up. Blue Grass is the best of all grasses for lawns, golf courses and parks. When sown alone, use 35 to 40 lbs. per acre. Price: Lb. 40c, 5 lbs. \$1.75, postpaid.

### CREEPING BENT GRASS

This grass makes a fine dense firm turf which withstands hard usage; it is ideal for lawn, terraces, and putting greens on golf courses because it makes a compact sod due to its spreading habit. It makes rapid growth in a year crowding out other grasses. Our seed is true to name and of finest quality. Sow 3 to 4 lbs. per 1,000 square feet. Price: Lb. \$1.25, postpaid.

### RED TOP

A hardy perennial grass, found almost everywhere, but predominating on low, marshy ground, where it forms luxuriant growth. It grows 2 to 5 ft. high, depending on soil and climatic conditions, with creeping roots, which enable it to grow on very wet and even very dry soil where other grasses grow but sparsely. It makes good pasture, and fair hay, if cut early, but the matured plants are wiry and coarse. It is best grown with other grasses and clover. Price: Lb. 35c, 5 lbs. \$1.50, postpaid.

### MEADOW FESCUE

This hardy western grass should always be included in pasture and meadow mixtures. It stands more abuse such as close cropping, drought, and unfavorable soil and climatic conditions, than Timothy and most other grasses. It succeeds even in poor soil, as the roots penetrate from 12 to 15 inches. Meadow Fescue grows 2 to 3 feet high, and produces a very leafy undergrowth. In sowing alone, use 20 to 25 pounds per acre. Price: Lb. 30c, 5 lbs. \$1.40, postpaid.



## QUALITY SEED GRAIN



Ceres Made the Greatest Yields and Biggest Profits of any Variety in Southern Minnesota.

### NEW DEVELOPMENTS IN GRAIN BREEDING

From year to year we have endeavored to supply you with proven varieties of seed grains. We have advised you to buy with confidence, feeling sure that you would benefit greatly. From the many letters coming to us daily, we feel that we have not overrated any variety. It is a pleasure to know that our customers, old and new, are finding complete satisfaction and we can therefore present our offerings this season knowing that they will be just as acceptable.

On the following pages some of the outstanding new varieties to be found are Hope and Marquillo Wheats; Glabron and New Era Barleys; Anthony, Minrus, and Iogold Rust Resistant Oats. These varieties will be in great demand because they have been especially bred to meet adverse conditions as well as to take advantage of good growing conditions.

#### HOPE WHEAT

##### Rust and Smut Resistant

Since its introduction, Hope Wheat has spread rapidly throughout the spring wheat section. It is the one variety that combines the highest resistance to black stem rust with resistance to smut, root rot, scab and other diseases. What the farmer wants is a wheat that will give good returns every year, and Hope comes nearest being that variety. Until other varieties are proven superior, we recommend growing Hope in the general areas affected by rust, smut and drought.

A large number of farmers have taken Hope Wheat and grown it under field conditions for a number of years when growing conditions were perhaps the most adverse that could be looked for and they would not change from Hope to any other variety now on the market because of its superiority.

Hope Wheat was developed from a cross between Emmer or Speltz and Marquis by Edgar S. McFadden of Webster, South Dakota. It combines the desirable qualities of the Emmer parent, namely flexible straw, resistance to drought, heat, black stem rust and smut, it resists shattering by wind and hail and is well adapted for combine harvesting which appears to be the coming method of harvesting grain in the Northwest. From the Marquis parent it gets its high milling quality as well as many of its plant characteristics.

#### MARQUIS WHEAT

This has been the standard spring wheat variety grown throughout the Northwest for over fifteen years. It is an excellent yielder in seasons when there is no black stem rust. The milling and baking qualities are very fine and it ripens along with other early grains.

#### DUST SEED WHEAT TO PREVENT SMUT

##### Ceresan

This substance may be used not only for treating wheat, but also for oats, rye, and barley as well. It is easy to handle. For wheat use 2 ounces of Ceresan per bushel. Circular giving full details will be sent free upon request. Price: 1 lb. tin 75c, 5 lb. tin \$3.00, 25 lb. pail \$12.50. Cannot be mailed.

#### Keep Your Eye On This Corn

##### DOUBLE CROSS OR HYBRID CORN

Yields 16 to 20% more, matures early and ripens uniformly. The strains we offer are especially bred for central Minnesota and similar latitudes such as central Wisconsin and northern South Dakota. You will find full descriptions on page 75 or write for special circular.

##### The Latest Triumph in Plant Breeding

#### CERES RUST RESISTANT WHEAT

Ceres is a hard, red spring wheat developed by the North Dakota Experiment Station. It is a bearded variety quite resistant to rust and an excellent yielder. It has a very good milling quality and is especially recommended for the whole spring wheat section. Ceres wheat has been grown for a number of seasons and has produced yields from 30 to 45 bushels or more per acre. The plants grow uniformly, and under normal conditions will produce three to four plump kernels in each spikelet. Ceres was the first rust resistant variety put on the market.

#### MARQUILLO WHEAT

##### Rust Resistant.

Marquillo Wheat was developed by the Minnesota Experiment Station and is a hard, red spring wheat. It is beardless and very rust resistant. It resembles Marquis in appearance and has a yielding ability and is especially well adapted to the spring wheat sections. Unlike Hope Wheat it is not resistant to smut and therefore it should be treated before seeding. The milling quality is good and protein content about the same as Marquis. As it is a beardless variety, it has met with favor in those sections that have been used to beardless types. Marquillo was developed from a cross between Marquis and Lumillo, a rust resistant Durum Wheat.

#### MINDUM DURUM WHEAT

Mindum is an Amber Durum variety developed by the Minnesota Experiment Station and has been found to be outstanding among all Durum Wheat. It is a very good yielder and always brings a good price on the market.

#### SPRING RYE

Spring Rye should be sown more extensively. It is a great land cleaner, and for summer pasture, is much superior to winter rye. It can be grown on light and sandy soil, on land too poor for wheat, and does equally well on acid and non-acid soils.

There is not a better general utility crop than Spring Rye. It is sure to produce a good crop of grain or hay, that is rich and nourishing to all kinds of livestock. It is one of the best nurse crops to sow with clover, as it can be harvested so early in the season. It makes splendid pasture, furnishing early green feed.

Farmer Seed & Nursery Co.

Dec. 15, 1931.

The only wheat crop I had was from land I had in Turghai Millet in 1930, had nearly all of this in Hope Wheat and this yielded from 10 to 12 bus. per acre while other wheats did not yield over 2 to 5 bus. per acre, and half was cut for hay.

A. L. Hillemann, Windsor, N. Dak.

Farmer Seed & Nursery Co.

Feb. 7, 1931.

We get your seed catalog each year and are always glad to get it as I know that good seed is the main thing to success in a crop. I take lots of pride in good seed corn and have had very good success.

J. A. Drinnell, Canby, Minn., Rt. 3.



# NORTHERN GROWN SEED BARLEY



Velvet Barley—Smooth Bearded and Heavy Yielding.

## GLABRON BARLEY MINNESOTA NO. 445—CERTIFIED

The plant breeders of the country are striving at all times to give the farmers new varieties of merit. This is especially true at the Minnesota Experiment Station where the most able plant breeders of the country have given you Manchuria (Minn. No. 184) and Velvet (Minn. No. 447) Barleys among other varieties. Now we are able to offer you their newest barley origination known as Glabron Barley.

Glabron is the result of a cross between Smooth Awn and Manchuria. It is smooth bearded, making it very easy to handle, and the beards thresh clean. With a straw much stiffer than that of most other varieties, it will withstand lodging. It grows slightly taller than Velvet, produces a larger kernel, and yield data show that it will outyield consistently all other varieties. It can be successfully grown throughout the northern half of the country from the Dakotas and Nebraska east to the Atlantic Ocean, also in many localities in the Great Plains area where the rainfall is sufficient.

Glabron is being generally distributed this year and we confidently feel that with the large demand for seed barley all over the country, due to the drought last season, that the seed of this excellent variety will be all sold before planting time. We, therefore, recommend to you to place your orders early.

## NEW ERA BARLEY—CERTIFIED

New Era Barley was developed by E. S. McFadden (the originator of Hope Wheat) by crossing the common white hullless variety with Manchuria (Minnesota No. 184) which for years was the outstanding barley. New Era Barley is bearded like Manchuria, but the beards and hulls drop off when threshed leaving naked white kernels. The yields of New Era are equal to those of Manchuria which ranks as one of the highest yielding varieties.

New Era was one of the few varieties that produced a good crop in the drought stricken areas of North and South Dakota during the season of 1930. Its drought resistant qualities make it ideal for the lighter types of soil and the dryer areas of the Northwest. It also does exceptionally well in areas of greater rainfall and on heavier richer soils.

New Era has a greater feeding value than most varieties with hulls because the kernel is hullless.

Growers in the drought stricken areas of the Northwest report that New Era White Hullless Barley was one of the few varieties that produced a worthwhile crop.

## SPELTZ OR EMMER

A valuable grain belonging to the wheat family. Kernels are tightly enclosed in hulls which adhere at threshing. Speltz has a feeding value equal to oats, and only slightly less than barley and corn. It is extremely rust resistant, and will not lodge like other grains, because of its stiff heavy straw. Speltz can be grown on many kinds of soil, rich or poor, throughout Minnesota, Iowa, Wisconsin, and the Dakotas.

Speltz makes wonderful feed and is especially fine for hogs and poultry.

Sow 1½ to 2 bushels per acre, and adjust the drill the same as for sowing oats.

Price: See Blue Figure Price List.

## VELVET BARLEY

### MINNESOTA NO. 447—CERTIFIED

The interest in Velvet Barley has been steadily increasing each year since its introduction. If you have not yet tried this most excellent variety, we suggest that you get started with it this year for it is a type of barley that will eventually replace most other varieties now being grown.

Velvet originated in a cross between Luth, a rough awn six rowed barley of the Manchurian type and a smooth awn variety. It is a most excellent yielder, producing as much grain as Minnesota No. 184. The straw is quite stiff, the lodging percentage being no greater than that of our stiffest strawed varieties. Velvet appears to be more disease resistant than other varieties. This variety with its smooth beards or awns has a very distinct advantage over the rough awned type since it has no barbs that will stick in the clothing or dig into the flesh, therefore can be handled much more easily.

We have many excellent reports from all over the North Central and Northwest sections of the United States. Last year a large number of cars of Velvet Barley were shipped into Iowa, Illinois, Indiana, Ohio and even Pennsylvania and already we are getting inquiries on carlot shipments into these sections and also other states.

Once you try this smooth bearded variety, you will not want to change back to the rough type. All of our Velvet Barley seed has been certified by the Minnesota Crop Improvement Association and can be certified next season.

## DRYLAND BARLEY—(Smooth Bearded)

Dryland Barley, another McFadden introduction, is a smooth bearded variety having strong straw and growing moderately tall. Dryland was introduced in the drier regions of the Dakotas where it proved its value over other varieties. Dryland has continued to be the highest yielding barley year after year on the lighter, drier soils and is perhaps better suited for these areas than Velvet or Glabron. One South Dakota grower reports a yield of 50 bu. per acre during 1930 which is truly outstanding as other varieties of the Manchuria and Velvet types produced far less.

We have a limited quantity of seed to offer so place your orders early.

25% cash will hold your order until wanted; balance to be sent at shipping time.

## BUCKWHEAT

Buckwheat makes an excellent catch crop, or it may be sown after harvesting winter wheat or rye. It is also good to sow on newly broken ground, but its greatest value lies in the fact that it is the best and surest means of getting rid of quack grass.

**JAPANESE**—Large kernelled, dark brown, and early. It is very productive, and an excellent feed for cattle and hogs. Sow from June 1 to July 1, at the rate of 3 pecks to the acre.

**SILVER HULL**—A popular thin shelled buckwheat, with silvery grey kernels of medium size, very sound. Silver Hull is a prolific grower and heavy yielder, and makes first class buckwheat flour. Excellent for bees.

**MIXED BUCKWHEAT**—For a cheap catch crop; also makes excellent feed.

Prices: See Blue Figure Price List.

*Farmer Seed & Nursery Co. June 7, 1931.  
Received shipment of corn O. K. Many thanks for the prompt and courteous way you handled my order. I will be a booster for your house in the future.  
T. A. Corter, Brewster, Minn., Box 52.*

*Farmer Seed & Nursery Co.  
That Golden Jewel Seed Corn I sent for this spring did just fine. It filled out good, and I thank you for it.  
Please send me your catalog and prices on potatoes.  
I. H. Brooks, Armstrong, Iowa.*



## SELECT SEED OATS



Farmers Came for Miles Around to Inspect This Wonderful Field of Iogold Oats.

**Iogold Rust Resistant Oats  
CERTIFIED**

The necessary requirements for any variety of grain are yield, stiffness of straw (resistance to lodging), rust resistance and early maturity. Iogold Oats includes all of these which makes it such an outstanding variety.

The development of Iogold Oats by the Iowa Agricultural Experiment Station has taken many years. A single plant which differed from the others was selected in 1906 at Iowa City, Iowa, from a plot of Kherson Oats. Until 1925 it was grown in small plots under close supervision so that the characters might be carefully studied when it was increased under field conditions and compared with other varieties. It proved superior to all other varieties so that in 1925 and 1926 it was increased and distributed to farmers for growing in comparison with the varieties they were already using. The yields reported in 1929 and 1930 are from 80 bushels to 115 bushels or more per acre. We have a good supply of the highest quality certified seed.

Iogold Oats produces heads that are spreading, erect, cream colored and very uniform. The kernels are golden yellow and larger than Iowa No. 105. The straw is coarser than Kherson and is stiffer than any other variety produced by the Iowa Experiment Station. The plants grow about three inches taller than Iowa No. 105 and ripen about the same time and are a few days earlier than Iowar.

**Gopher Oats  
MINNESOTA NO. 674—CERTIFIED**

Gopher is a white, early maturing variety with straw so stiff and strong that it does not lodge even on well manured farm land. It is also adapted for growing on peat land. It is without any question the best oats for the rich dairy farms of southern Minnesota, Iowa and Wisconsin and unequalled for sowing with clover and alfalfa as a nurse crop.

This variety was developed by the Minnesota Experiment Station and has become widespread throughout the Northwest. Excellent reports not only from Minnesota but from North and South Dakota, Wisconsin and Iowa show that Gopher is still leading in yield, earliness and stiffness of straw. Our growers report 75 to 100 bushels per acre of plump, bright grain.

The oat crop in many sections was very light, having been damaged by adverse weather conditions and the demand for seed will be quite great. Our stocks of high quality certified seed oats are reasonably large, especially the Gopher variety but with the strong demand may not last long.

**EARLY MINNESOTA WHITE OATS**

This excellent variety was in great demand last season and as a result, our stocks were quickly sold. It matured about the same time as Gopher and yielded 75 to 80 bushels per acre. The straw is stiff and the plants grow taller than other early varieties. The seed contains a small amount of barley but this does not lower the value of this variety for feeding purposes; and for seed a small amount of roguing out should eliminate the barley. Order early as the demand again will be strong.

We cannot emphasize this variety of oats too strongly. In order to fully appreciate Early Minnesota White Oats you should grow a few acres and we feel sure that you will continue to sow it each year.

Prices on all Seed Oats: Lb. 20c, postpaid. See Blue Figure Price List.

**Farmer Seed & Nursery Co.**

Your catalog is one of the most instructive and best I have seen this season. There can be no doubt but that your house will live up to the high recommendation which the Agricultural College of Minnesota University has sent to me, namely, one of the most reliable seed houses in Minnesota.

Maurice J. Connor, Omaha, Nebr.—2224 Howard St.

**IOWA NO. 105 OATS CERTIFIED**

This variety was produced at the Iowa Agricultural College, at Ames, Iowa. It is very early, fine to use as a nurse crop, and is a heavy yielder.

The kernels are of medium size, light yellow, plump and heavy. The oats grow about 4 inches taller than Kherson, with stiff straw that holds up its heavy load of plump grain well. It will grow without lodging, on heavy bottom land where it is impossible to sow many other varieties.

**EARLY KHERSON OATS**

One of the earliest oats in cultivation. It was introduced by the Experiment Station of Nebraska, and has proved a success in that state, being naturally adapted to sections that are subject to drought. It is a vigorous but not rank grower, producing shorter straw than other varieties, with branching heads and very broad leaves. The berries are light yellow in color, small, but numerous, and have a very thin hull.



Minrus Oats—Rust Resistant. See opposite page.



# SELECT SEED OATS



Anthony Oats—Rust Resistant, Strong Strawed, High Yielding.

## MINRUS OATS—CERTIFIED

Minn. No. 693.

Minrus matures about half way between Gopher and Anthony; produces white glumes and has a spreading panicle. It is about equal in height and stiffness of straw to Anthony and is highly resistant to stem rust. It was produced by the Minnesota Experiment Station from a cross of Minota and White Russian. The seed is being generally distributed for the first time this year and with a shortage of good seed oats, we do not expect our stocks of Minrus to last very long.

Observations to date indicate that Minrus will outyield Gopher Oats on any ground except the very richest. Gopher Oats should be used on the rich soils as it is more able to resist lodging under those conditions. Minrus should be very popular on lighter soils where Gopher Oats does not get tall enough to handle well. Minrus may be grown with varieties of spring wheat as succotash as it is a few days later than Gopher. Minrus has already met with great favor wherever tried.

## ROOSEVELT OATS

This variety was introduced by us and is a very popular one. It is of the Swedish type, large plump kernels and stiff straw. It ripens about the same time as Anthony or Swedish Select and produces yields of 80 to 100 bushels per acre.

## ANTHONY RUST RESISTANT OATS

A Midseason Variety—Certified.

Anthony Rust Resistant Oats (Minnesota No. 686) is a new variety produced from a cross of White Russian (White Tartar) and Victory, it is a midseason type maturing about two weeks later than Gopher or Iogold and has a spreading panicle. The straw is about equal in length to Victory and is very strong. Anthony is well adapted to all types of soils but does especially well on those soils that are only moderately fertile.

It is very highly resistant to black stem rust and during the season of 1931 our own fields produced close to 100 bushels per acre while other midseason varieties, not resistant to rust, had broken over and had very poor yields. Anthony excels in weight per bushel and yield.

Wherever it has been grown it met with instant favor and we especially recommend it for those sections where the early varieties do not seem to give the very best results.

## SWEDISH SELECT OATS

Improved Strain Wis. No. 5.

This is a very popular midseason variety, the kernels are large, plump and white in color. It is a very excellent yielder and is especially well adapted to lighter soils.

# HARDY FLAX VARIETIES

Flax is an important crop, for not only is the seed utilized for oil, etc., but the straw is made into rugs, sewing materials and other items. In the past flax was considered more of a catch crop to be planted when conditions for other crops were unsatisfactory. The last few seasons have demonstrated that flax is a real money maker on the farm and with the increasing demand for seed and fiber, it will surely pay to raise it.

Most farmers plant their flax after other crops are sown. This is a very poor procedure, for flax does best in moderately warm weather and if planted too late usually is greatly affected by heat or drought. To obtain large crops of high quality flax, sow early from middle of April to the middle of May. The earlier that flax is sown the better able the plant will be to withstand wilt and other diseases too. Sow wilt and rust resistant strains of flax.

**BISON—(Certified).** This variety comes from the North Dakota Experiment Station. It is a large seeded type both rust and wilt resistant and is exceptionally popular in the Dakotas, Minnesota and other points of the Northwest. It has already replaced many other varieties now being grown. From the yield standpoint it will produce about as much as Buda, yields have been reported as high as 30 bu. per acre, but an average yield can be expected of about 20 bu. or more per acre.

## SEED DISINFECTION TO PREVENT SMUT

All seed grain, wheat, barley and oats are susceptible to smuts of various kinds, which reduce the yields from 10 to 50 per cent, in many instances. Some varieties are attacked more vigorously than others, but no matter how severe the attack, smut can be controlled almost entirely, by simple methods.

Grains with hulls, such as oats and barley, may be treated for smut with formaldehyde, 1 pint to 40 gallons of water. The seed is put loosely into burlap sacks, and dipped into a barrel containing the solution. Any druggist can supply formaldehyde.



**RED WING FLAX—(Certified).** Rust and Wilt Resistant. Like Buda and Bison Flax varieties, Red Wing is outstanding for its resistance to rust and wilt. It was developed by the Minnesota Experiment Station and has proven a good yielder throughout the Northwest. The blossoms of Red Wing Flax are a lighter blue than the other varieties and the seed is somewhat lighter in color. Red Wing Flax is quite limited this season and we anticipate a good demand.

**WINONA—(Minn. No. 182.) Certified.** This variety is widely distributed and is highly resistant to wilt. It has moderately long stems, small blue flowers, small brown seeds and is very productive.

**BUDA—(N. D. No. 119.) Certified.** Developed at the North Dakota Experiment Station by selecting wilt resistant plants from a Russian variety. It is resistant to wilt and more rust resistant than any other variety that we list. It grows taller than Winona and matures a few days later. Buda has yielded the highest per acre over a period of five years at Morris and Crookston Experiment Stations. Recommended for use especially in Minnesota, North and South Dakota and Montana.

**MINNESOTA No. 25—**This is a commonly grown variety which is very productive on soils free from wilt. Prices: See Blue Figure Price List.

The covered smuts that affect wheat, hullless barley and rye can be controlled by dusting the grain with copper carbonate dust. Only 2 to 3 ounces per bushel are required. The germination of the seed is stimulated and the seed is in no way injured. This is the very best kind of crop insurance. This dust may be bought at your drug store.

**THE NEWEST AND BEST TREATMENT IS CERESAN.** This is a dust and is much more effective and easier to handle than formaldehyde. It can be depended upon to control smut in oats without lowering the germination. It is very economical to use, 3 ounces per bushel being sufficient.

Price of Ceresan: 1 lb. tin 75c, 5 lb. tin \$3.00, 25 lb. pail \$12.50. Cannot be mailed.

Write for circular giving full details about Ceresan.



## SOY BEANS

### VALUABLE AS A HAY AND SEED CROP, AND FOR ENRICHING THE SOIL

1. Soy Beans are easy to grow, and are especially valuable for soil too poor or acid for other legumes.
2. They withstand both drought and heat well, and are not easily damaged by moisture.
3. They make a good emergency crop, as they can be sown late, after other crops fail or are washed out.
4. They deposit large quantities of nitrogen in the soil, building up poor land on which clover or alfalfa cannot be grown.

### MOST IMPORTANT AS A FEED AND ENSILAGE CROP

1. Soy Beans as a hay crop, are higher in protein content than clover hay, or field peas and oats mixed. For dairy cattle, the hay is equal to alfalfa hay.
2. They make wonderful ensilage, when grown with corn, and are also used for hog pasture.
3. They take the place of oilmeal, and are even more digestible.

**CULTURE.** Soy Beans require about the same treatment as corn, and will grow on almost any kind of soil, shallow peat or sandy loam, and even ground containing too much alkali for corn. Do not plant Soy Beans too early, about corn planting time is right. Sow in drills using 30 to 45 lbs. per acre or broadcast, 60 to 90 lbs. Rows 28 to 30 inches apart are usually best, as the rows can be cultivated and kept free from weeds.

The seed crop is quite profitable. The seeds broken or split in threshing can be fed to live stock. For seed, the Soy Beans should be cut with a grain binder, while the dew is still on them, so they will not shatter. They can be threshed without much curing, if the seed is spread out so it cannot sprout in the bins.

**MANCHU**—Manchu takes the lead among Soy Beans for all purposes—for hogging down as well as for planting with corn for the silo. It also produces a large crop of beans, if allowed to mature, 20 to 30 bushels per acre being a good average crop. The Manchu is a robust grower of vines which stand up well and are easily cut with the corn binder. This variety matures in 105 to 110 days and is suited for the southern half of Minnesota, Wisconsin, South Dakota, and all sections farther south. Beans are yellow and of medium size.

**WISCONSIN EARLY BLACK**—An extremely early sort, black seeded, and well adapted for planting in the Northwest. Grows to a medium height, and therefore is not suitable for planting with corn for ensilage. It should be planted with early maturing corn for hogging down. It is extremely hardy, and but little affected by cold, wet weather. One of the most profitable to grow for seed, producing from 20 to 25 bushels of seed per acre.

**ILLINI**—Illini Soy Beans developed in recent years are perhaps the most popular variety now being grown in the central states. Wherever they have been tried, they have given the very best of satisfaction as they grow taller than Manchu, ripen earlier and produce larger yields of beans—records showing that 45 to 50 bushels per acre are not uncommon. The average yield of beans would be about 30 to 35 bushels per acre or about 50 per cent more than other varieties. Illini Soy Beans are yellow, the seed being a little smaller and rounder than Manchu. You will appreciate this variety if you give it a trial. It is well adapted for hay, silage or mature beans. Prices on Soy Beans: Per lb. 20c postpaid. See Blue Figure List for prices on larger quantities.

### WINTER OR HAIRY VETCHES

Also known as Sand Vetches. They are leguminous plants, biennial, and especially suited to localities where winters are very severe. They make good hay, ensilage, pasture, and green feed, and are also valuable as a fertilizer, and as a cover crop in orchards, preventing the washing away of the soil during the winter and spring.

They should be sown together with winter rye for a hay crop. Sow about August first, using one bushel vetches (60 lbs.) and one bushel rye. They mature at the same time, and can be threshed together. Price: Lb. 30c, 5 lbs. \$1.25, postpaid.



Manchu—The Most Profitable of Soy Beans.

### CANADA YELLOW FIELD PEAS

Field Peas are an important class of legumes, and should be more generally planted. Few farmers know the value of field peas as a hay crop and fertilizer. They fit into crop rotation well, and are better suited to conditions of the Northwest than any other annual legume, for building up worn out soil.

Field Peas are usually grown with oats, for hay, a combination that is equal in feeding value to clover hay. They contain more digestible crude protein and fat than alfalfa and corn.

When they are grown with oats, they are threshed together, and easily separated with a fanning mill after threshing, thereby getting two crops from one operation. Sow 2 bushels oats to 1½ bushels of peas per acre. Drill the peas in 4 inches deep, as early as the ground can be worked. Then, 2 or 3 weeks later, sow the oats, drilling it in the other way. If the oats are sown with the peas, it grows too rapidly, and checks or smothers the growth of the peas.

Price: Lb. 25c, 5 lbs. \$1.00, postpaid. For prices on larger quantities, See Blue Figure Price List.

## INOCULATE THESE CROPS WITH NITRAGIN

### Alfalfa—Clovers—Sweet Clovers—Peas—Beans—Soybeans—Vetches



All legumes should be inoculated, to secure the best results. They draw the nitrogen from the air, which is the chief plant food, and deposit it in the small nodules on the roots of the plants. Thus, nitrogen is stored up in the soil, enriching it, and stimulating the growth of the plants. The inoculated seed produces heavy clusters of nodules.

Nitragin is fresh and full of life. It is put up in cans of convenient size, bearing the date of packing, and the germ count. This means that you are getting the most for your money, for you will know the number of organisms contained in the can. Nitragin is cheap, easy to use, and is recommended by leading Agricultural Colleges and County Agents.

ALFALFA, ALL CLOVERS		PRICES FOR FIELD NITRAGIN: PEAS, BEANS, VETCHES		SOY BEANS AND COW PEAS	
Size		Size		Size	
¼ bu. ( 15 lbs. seed)...	\$.40	½ bu. ( 30 lbs. seed)...	\$.40	1 bu. ( 60 lbs. seed)...	\$.40
½ bu. ( 30 lbs. seed)...	.60	1 bu. ( 60 lbs. seed)...	.60	2 bu. (120 lbs. seed)...	.70
1 bu. ( 60 lbs. seed)...	1.00	1 ½ bu. (100 lbs. seed)...	.90	5 bu. (300 lbs. seed)...	1.50
5 bu. (300 lbs. seed)...	4.75	3 ½ bu. (210 lbs. seed)...	1.80	10 bu. (600 lbs. seed)...	2.50
		5 bu. (300 lbs. seed)...	2.50		

When ordering always state kind of seed you want to inoculate.

### NITRAGIN FOR GARDEN USE.

Every garden needs Nitragin. Garden size is for peas, sweet peas and beans including lima (three in one inoculant). Price: 25c, postpaid.







German Millet.

## MILLET

Although many farmers and dairymen are not growing Millet regularly as a hay crop, they find it of greatest value in case of crop failure of clover and timothy. It is then that Millet is appreciated. When droughty spring weather cuts short clover and timothy crops, there is still time to plow up such meadows, and seed them to Millet, to prevent a shortage of the hay crop. Millet hay, properly handled, has great feeding value and milk producing qualities. For hay, it should be cut as soon as it blooms, before any seeds form, otherwise the hay is apt to be woody. In more southern sections, Millet is sown as a catch crop after the grain has been harvested. Here in the Northwest, it can be sown from the latter part of May to the middle of July. It produces best results on warm rich soil.

Sow broadcast, using about 40 lbs. per acre, covering three quarters of an inch deep. For a seed crop, allow the Millet to ripen fully, and harvest with a grain binder.

**GERMAN OR GOLDEN MILLET**—This is one of the best varieties for hay and fodder. It makes rapid, vigorous growth, often yielding 3 to 5 tons of hay per acre, on good rich soil. It grows 4 to 5 feet high, is of rather coarse appearance, and should be cut for hay before it is in full bloom. At this stage, the hay is of the best quality, and so tender that it can be fed to hogs.

**HUNGARIAN**—The great value of this variety is in its earliness and fine quality. It is about a week earlier than German or Golden Millet, and much safer for northern sections, especially if sown late in the season. It does not grow as vigorously, but the hay is of finer quality, especially good for cattle, as it is nourishing and milk producing. We consider Hungarian Millet one of the best catch crops grown.

**SIBERIAN**—We consider this the best Millet for dry sections. It is extremely hardy, drought resistant, and about two weeks earlier than Golden Millet. It stools heavily, is very leafy, and yields enormous quantities of fine quality hay. It produces 50 to 70 bushels of seed per acre.

**COMMON**—Especially adapted for dry and light soil. It is very early and dwarf, growing 3 to 4 feet high, is harder than Golden Millet, therefore better for cold northern sections and unfavorable conditions, but does not yield as heavily as Golden Millet.

### PROSO MILLETS (ALSO CALLED HERSCHE)

**EARLY FORTUNE**—This seed is of a shiny reddish brown and is about the same size as Turghai and Hog Millet. The heads are compact and it matures rather early, growing about medium height. It is ready to harvest in 50 to 60 days after sowing. Early Fortune has been a very popular variety.

**HOG OR BROOM CORN MILLET**—The hay is of a coarse quality, except when cut very young. The seed is of high food value especially for poultry and hogs. It is yellowish white in color. Hog Millet is very early and drought resistant and will produce excellent yields of seed and hay.

**TURGHAI PROSO**—This variety introduced in 1903 has been found to be especially adapted to the Northwest as it will withstand considerable drought. It is a red seeded variety very much in appearance like the Early Fortune but the heads are of the open panicle type while the Early Fortune has a short compact head. Turghai Proso will yield nearly twice as much seed as some of the other varieties. It is slightly later than Early Fortune but will mature in any normal season.

Price on All Millet: 1 lb. 20c, postpaid.—For prices on larger quantities, see Blue Figure Price List enclosed.

### JAPANESE MILLET

(Also Called Billion Dollar Grass.)

Japanese Millet is one of the best forage crops we have, for feeding all kinds of livestock. It ranks high in milk producing qualities, being rich in protein and fats. Combined with soy beans, as ensilage, it makes an ideal balanced ration, two parts of millet to one of soy beans being the right proportion.

Japanese Millet is adapted to all sections of the country; it makes more hay than any other millet, and requires less seed. It is the ideal catch crop, and may be sown any time from May to July.

For hay, cut it just before it blossoms, and cure the same as clover. It also makes good pasture, but the cattle must be accustomed to it gradually.

#### JAPANESE MILLET IS THE BEST ANNUAL FORAGE PLANT

- 1—It grows 4 to 8 feet high and produces 5 to 6 tons of hay per acre.
- 2—It is drought resistant, yet can be grown on wet or poor soil not fit for other millet.
- 3—It is good for exterminating quack grass, as it stools heavily.
- 4—It is cheap to sow, only 15 to 20 lbs. of seed per acre being required.

Do not plant millets until the soil is warm and danger of freezing is over.

### SUGAR CANE

**MINNESOTA EARLY AMBER CANE**—The Early Amber Sugar Cane grown in Minnesota is superior to that grown anywhere else. It is the earliest strain grown, very hardy, of fine quality, and yields from 12 to 20 tons of cane per acre, according to soil conditions and cultivation. It grows 12 to 18 feet high, yielding twice as much fodder, of much better quality, than any southern cane. Early Amber Cane and fodder corn are often planted together, and produce immense yields of high grade ensilage.

One acre of our Early Amber Cane will produce enough cane to make 175 to 200 gallons of syrup, of delicious rich quality, golden yellow in color.

We offer an improved strain of Minnesota Early Amber Sugar Cane which has been carefully bred for size, sugar content, and palatability. Sow 8 to 10 lbs. per acre for syrup. Prices: 1 lb. 20c, postpaid. 5 lbs. 80c, postpaid.

### FODDER CANE

A profitable feed crop, that can be grown almost everywhere, producing even bigger yields than millet. As much as 30-35 tons of green feed have been harvested per acre. It makes good hay if cut before it grows too high, and can often be cut a second time. It matures much later than Early Amber Cane, and will not produce seed here. The seed is much cheaper than that of Early Amber Cane, and the yield of fodder much greater. Sow 50 to 60 lbs. broadcast or 12 to 15 lbs. in drills per acre. Price: Lb. 20c, postpaid. For prices on larger quantities, see Blue Figure Price List.



Minnesota Early Amber Sugar Cane.



# SUDAN GRASS, SORGHUMS, RAPE



Sudan Grass Produces Enormous Crops of Quality Hay.

## RAPE

### Advantages in Sowing Rape:

1. Grows wherever corn or turnips grow.
2. Provides pasture in 6 to 8 weeks' time.
3. The best forage plant for dry seasons, because of its strong, deep root system.
4. Plant alone or with grain, soy beans, sudan grass or cane.
5. Adds humus matter to soil when plowed under.
6. Its cheapness; sown broadcast, use 5 or 6 lbs., sown in rows, use only 3 lbs. per acre.

Rape is an annual forage plant of great value, profitable in all sections of the country. It can be grown to advantage on land which has already produced an early grain crop, like oats, rye, or winter wheat.

Rape provides excellent pasture for all kinds of livestock, cattle, hogs, and sheep. It can be sown at any time during spring or summer, so a good pasture can be had whenever it is needed. Rape will prepare sheep and hogs for market better and in less time than any other forage plant. One acre is sufficient to pasture 12 to 15 sheep from six weeks to two months, and is the ideal pasture for weaning lambs. Spring pigs can easily be brought up to 200 lbs. in weight when six months old, if fed on rape. It is a mild succulent feed for cattle, and will not flavor the milk, if the cattle are pastured properly. Stock that is being fed on rape should always have access to salt. Two pieces of land may be seeded at once, to be used alternately, pasturing one while the other is growing. Do not graze too closely. Rape makes a good fall pasture.

**DWARF VICTORIA RAPE**—An outstanding variety that produces an enormous of forage and has met with great favor wherever grown.

**DWARF ESSEX RAPE**—The commonly grown type that has produced the finest pastures for many years.

Price: Lb. 20c, 5 lbs. 80c, postpaid.

## KAFFIR CORN

A good fodder plant for Iowa and sections farther south, that grows 5 to 7 feet high, with broad leaves and brittle green stalks. Green or dried, this makes excellent fodder for horses and cattle. The seed heads form at the top of each stalk. The seed is good as poultry food. Sow 10 lbs. of seed per acre, in rows 3 feet apart, or 50 lbs. per acre broadcast or in drills. Price: Lb. 25c, postpaid.

## FETERITA

The most drought resistant forage plant we have, especially valuable for the southern prairie states. It is much like Kaffir Corn, but matures 20 days earlier, the seed is one-half larger, the heads plumper, and better filled. It is profitable for pasture, hay crop, ensilage or grain, and is used for feeding cattle, sheep, and poultry. Culture is same as for Kaffir Corn. Price: Lb. 25c, postpaid.

We quote prices on small quantities, prepaid. For prices on larger quantities, see Blue Figure Price List enclosed.

## SUDAN GRASS

One of the best annual forage plants ever introduced, suitable for almost any locality. Sudan Grass thrives best on rich loam, but has been successfully grown on almost every kind of soil, from heavy clay to light sand. Cold, wet soils are not suited to Sudan Grass. Sudan Grass is a sorghum, and an annual, without underground root sprouts. It grows 4 to 5 feet high in drilled seedings, and 5 to 8 feet in cultivated rows. **DO NOT SOW SUDAN GRASS BEFORE CORN PLANTING TIME.** Like corn, it is a warm weather crop. In favorable seasons, the growing period is long, and several cuttings can be obtained in one season. For hay it is ready to cut in 60 to 75 days, when it is in full head. It continues its growth, and in 40 to 45 days it is ready for another cutting. If Sudan Grass is grown for seed, only one crop can be harvested.

Sudan Grass is an enormous yielder, producing 3 or 4 tons of hay at the first cutting. The second cutting is lighter, and the hay is much finer. Live stock of all kinds will eat the hay readily.

**CULTURE.** For a seed crop, sow 15 lbs. per acre, in drills, 15 to 20 inches apart. The crop should be harvested with a grain binder.

For hay, sow at the rate of 20 to 30 lbs. per acre, using a grain drill, and cover from one to one and one-half inches deep. Heavy seeding makes finer quality hay.

The hay crop is harvested with a regular mower, when the Sudan Grass is fully headed out. It can be cut in the morning, and if the sun is bright, it should be raked up in the afternoon of the next day. After bunching, it is placed in cocks, just the same as alfalfa. After it has been thoroughly cured, it is removed from the cocks to the barn, or stacked. Because of the large amount of juice in the stems of Sudan Grass, the leaves cure first and the hay often appears ready to stack, when it is not. Therefore, the only sure way to avoid heating, is to allow Sudan Grass to remain in cocks long enough for the stems to become dry. The leaves are retained well, and if cut at the right stage of maturity and handled properly, will make a bright, leafy, sweet hay, of the very best quality.

## SUDAN GRASS AND LEGUMES MAKE A GOOD MIXTURE

Sudan Grass grown with legumes such as soy beans, makes a well balanced mixture for pasture, ensilage and hay. Sudan Grass grows stiffly erect, with stems strong enough to support the vines and makes harvesting easier, by keeping them off the ground. It hastens curing, by preventing the beans rotting.

Sudan Grass and soy beans, planted together, make a good hog pasture. Sow 25 to 30 lbs. Sudan Grass and the same quantity of soy beans, to the acre, drilling in the seed with a grain drill. For quickest results, sow in rows 18 to 20 inches apart, and cultivate. Price: Lb. 20c, 5 lbs. 90c, postpaid.

## SUNFLOWER—MAMMOTH RUSSIAN

The production of Sunflower for ensilage and fodder is now advocated by many seed dealers. This is fairly profitable where the seasons are too short to grow other forage plants, sorghums, etc. We do recommend Sunflower as a highly important and profitable crop for poultry breeders and farmers, for fattening hens or producing eggs. Single flower heads measure 12 to 22 inches across, containing a lot of seed. Stalks can be used for fire wood. Price: Lb. 30c, 5 lbs. \$1.25, postpaid.



# MINNESOTA GROWN SEED CORN



Golden Jewel—the highest yielding Yellow Dent Corn grown in Minnesota.

The growing season of 1931 was perhaps the driest season that we have known in this country. There was not sufficient moisture for the production of crops and consequently yields were very seriously reduced. Corn perhaps was hit as hard as any crop, resulting in complete losses in many sections and where a crop was harvested, the quality of the ears was very poor. From the standpoint of seed corn, this means that there will be a shortage of acclimated seed, for much of the seed that is available will be of poor vitality which if planted would give a poor stand.

In our own particular section of Minnesota, conditions were almost normal and as a result, we have excellent seed corn with a germination well over 90% with extra strong vitality. We have varieties of corn adapted to every part of the corn producing areas.

Many customers in the corn belt states grow varieties obtained from us; and because of the earlier maturity, they are preferred to some of their local varieties as they can depend upon a crop every year.

**Our Guarantee:** Our Seed Corn has been thoroughly fire dried and tested for germination, and freedom from disease. Not only is it your privilege, but we ask you to test your corn as soon as it is received. If the results of a fair test indicate that the seed is not up to standard, write us. If unsatisfactory, we do not want you to keep it, and you may return it to us and your money plus transportation will be cheerfully refunded or you may exchange it for other items.

## STATE CERTIFIED AND SEALED SEED CORN

The Minnesota Crop Improvement Association in recent years inaugurated an addition to their inspection service by including a State Certified and Sealed Service for Seed Corn grown and offered for sale by seed houses. To those that wish extra assurance that a particular variety will be true to name and adapted to their section of the country, this certification service has meant considerable, and has met with instant approval; and our already large business in Seed Corn increased considerably. Careful inspection is given to the crop from the time the seed goes into the ground and during the growing period until the new crop is husked, sorted, dried, shelled and graded and finally sealed into sacks for shipment to you.

We offer State Certified and Sealed Seed Corn in all main crop varieties at only a slight increase in price over the non-certified seed.

## GOLDEN JEWEL CERTIFIED

Since our introduction of Golden Jewel Corn, there has been no variety of yellow dent corn grown in southern Minnesota and adjacent territories that matured as early and still produced large yields of 70 to 100 bu. or more per acre. Golden Jewel Corn is the result of careful breeding and selection conducted by us on our own farm. In tests in southern Minnesota during the past two years conducted by the Minnesota Experiment Station, there was no other variety of yellow dent corn that superseded it in quality and yield.

In developing Golden Jewel, we crossed Early Murdock with the large type Mastodon which produced this high yielding variety with the great feeding value. Never has any other variety been distributed so rapidly and completely throughout the corn belt which has met with such permanent satisfaction. It is especially adapted to southern Minnesota, South Dakota, Iowa, southern Wisconsin, Illinois and other corn belt states.

The ears are of a golden yellow color, very compact, 8 to 10 in. in length, 16 to 20 rows of medium deep, square shouldered kernels on a small red cob. This variety has been selected in accordance with the findings of the various experiment stations in the corn belt, and runs from a moderately smooth to slightly rough ear. It has been shown that the smoother, longer types of corn produce a larger quantity of dry corn, ripen earlier, are freer from disease with a much greater feeding value than the old, very rough pinched type.

Golden Jewel produces an abundance of fodder or silage as the stalks will grow seven to eight feet tall or more and the leaves are vigorous, broad and succulent. It is what is known as a 95 to 100 day corn.

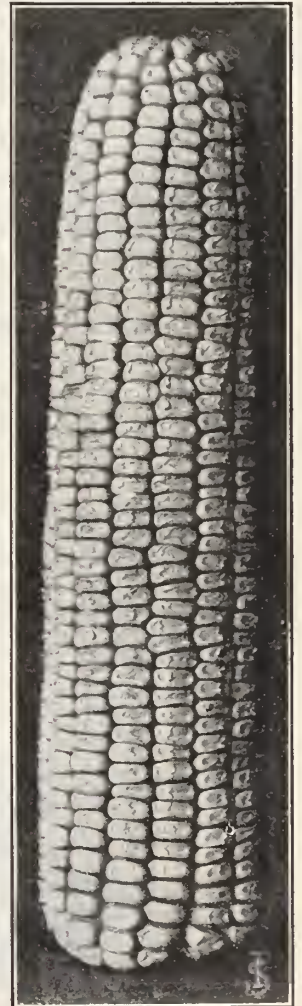
## SILVER KING OR WIS. NO. 7 CERTIFIED

Silver King is the best main crop white dent variety for the southern part of Minnesota, Wisconsin, South Dakota, also for Iowa and Illinois. It has been grown very extensively for a number of years and constant improvements in the variety have brought it to the point where it will outyield all other white dent varieties and most of the yellow dent varieties now being grown. In Wisconsin it is estimated that one-fifth of the corn grown is of the Silver King variety. This variety is creamy white in color with slightly rough kernels. The ears are well formed, 8 to 10 inches long, 16 to 18 rows and completely filled out to the tip.

Silver King is a strong, leafy grower with heavy foliage which makes it very excellent for the silo. The Waseca Sub-Experiment Station has developed the variety so that it yields well over 90 bushels per acre. Silver King resists cold weather to a remarkable degree and matures in about 100 days. It is a fine show type corn and has won many prizes at the corn shows.

## RUSTLER WHITE DENT CERTIFIED

This early variety, originated in North Dakota, is well acclimated to the Northwest. For early ripening, big yields and compact growth of ears, it is one of the best; admirably adapted to a northern climate. The average height of the stalk is 8 feet; average distance to base of ears from ground is 3½ feet. The ears are large, closely filled with large, deep kernels. Matures in 95 days. We know of no better all around dependable white dent corn than Rustler, and recommend it for all sections of southern and central Minnesota, Iowa, Wisconsin and South Dakota. Rustler is the main white corn for southern and central Minnesota.



Rustler.





**Early Murdock—A high yielding, early maturing main crop variety.**

### **EARLY MURDOCK GOLDEN DENT CERTIFIED**

Murdock is a yellow dent variety in appearance quite similar to Golden Jewel except that it has a fewer number of rows, the kernels are medium deep and have a wrinkled to pinched dent. Our strain is about 5 days earlier than the Golden Jewel and it produces high yields of very fine quality. Like the Golden Jewel, it has won many prizes and is very popular. The ears are  $8\frac{1}{2}$  to  $9\frac{1}{2}$  inches long, of a golden color, fairly compact and uniform. Murdock is grown successfully as far north as Central Minnesota and Wisconsin and is an excellent early variety for Illinois, Iowa and other states of the Corn Belt. It matures in about 92 to 97 days. In the past few years, yield tests showed Murdock to be outstanding as it produced from 65 to 90 bushels per acre with an average of about 80 bushels.

### **CERTIFIED STRAINS OF MINNESOTA NO. 13**

Minnesota No. 13 was developed by the Minnesota Experiment Station. The original strain was adapted to central and southern Minnesota conditions but would not produce mature corn in the northern part of the state. To meet this requirement for earliness and also a demand in the southern section for a larger type, two new strains were developed known as the Extra Early and Southern or Large Type Minnesota No. 13. We offer all three strains.

### **LARGE TYPE OR SOUTHERN STRAIN NO. 13**

This strain is particularly adapted to southern Minnesota and Wisconsin, South Dakota, northern Iowa, Illinois and Nebraska. The ears are smooth, deep yellow in color, 7 to 9 inches in length, with 14 to 16 rows of medium deep kernels. Stalks grow 6 to  $7\frac{1}{2}$  feet tall and ears are just the right height for husking, being  $3\frac{1}{2}$  to 4 feet from the ground. It matures in about 90 days and produces average yields of 75 bushels per acre on good corn land. We have the finest of stocks and prices are very reasonable this season. Now is the time to get started with new seed.

### **CENTRAL STRAIN NO. 13**

This was the original strain developed by the Experiment Station and is similar to the other strains of Minnesota No. 13 except that it is about a week earlier, maturing in 80 to 85 days. The ears are a trifle smaller but it will yield almost as well as the southern strain and is pretty sure to produce ripe corn practically every year. It is better to have ripe corn every year than to have a larger type that will ripen only two or three years out of five. This corn is grown from seed produced in Meeker County, Minnesota, and is adapted to central Minnesota and Wisconsin and northern South Dakota.

### **EXTRA EARLY STRAIN NO. 13**

(Northern or Haney's Strain)

This strain is adapted for northern Minnesota, Wisconsin and North Dakota and is the earliest yellow dent corn now being grown. It has the same general characteristics of the other Minnesota No. 13 strains although the ears are necessarily smaller and the stalks grow about 5 to 6 feet tall. It matures very readily under normal conditions, producing as much as 45 to 50 bushels of ripe corn.

### **GOLDEN KING CERTIFIED**

**A New High Yielding, Early Maturing Variety of Great Merit**  
Golden King Corn was developed by MacArthur in northern Iowa, near the Minnesota line. It was entered in the Iowa corn yield tests from 1923 up to the present date. It won high average over an eight-year period, the yield being 4 bu. more per acre with 4.3% less moisture than any other variety.

Golden King Corn has been grown in southern Minnesota for a number of years. It made such a good performance that it attracted the attention of the experiment station authorities who have now tested it for two seasons and found that it ripens about as early as the Double Cross varieties and yields among the highest with low moisture content. The market or feeding values are really determined by maturity, dryness and the weight per bushel. In these, Golden King excels over all other standard varieties.

Our seed stocks were grown near Waseca, Minnesota, from seed obtained from the originator and we do not hesitate to recommend this variety for the southern parts of Minnesota, South Dakota, Wisconsin and all other states in the Corn Belt.

#### **Summary of Golden King characteristics:**

**Yields**—4 bu. more per acre.

**Maturity**—Ripens along with Minnesota Experiment Station early Double Crosses.

**Moisture Content**—4 to 5% less than the average.

**Test Weight**—1.65 lbs. per bu. above the average.

**Early Picking**—Ready about one week before the average.

**Shelling Per Cent**—Considerably above the average.

**Adaptability**—Matures wherever a 90 to 100-day corn can be grown. Golden King shows a much smaller percentage of barren stalks than any of the other standard varieties. It is next to the Double Crosses in this respect.

### **NORTHWESTERN DENT CERTIFIED**

Northwestern Dent Corn is a cross between a red flint and a yellow dent, and has red kernels with light yellowish and cream shadings. No other variety is grown as extensively in North Dakota, northern Minnesota and Wisconsin as Northwestern Dent. Under ordinary conditions, it matures in 85 to 90 days, and under very favorable conditions, in 75 days.

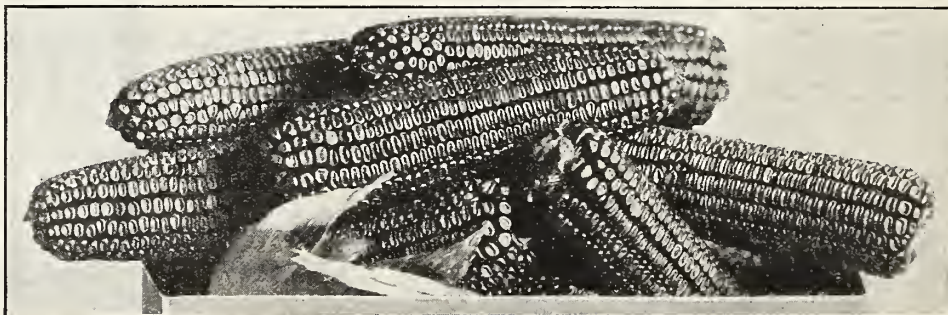
Northwestern Dent yields from 50 to 70 bushels per acre. The ears are of good size, 7 to 9 inches long, bearing 10 to 14 rows of kernels. The stalks average 7 to 8 feet in height, bearing the ears about  $3\frac{1}{2}$  feet from the ground.

Because of its earliness and large yields, it is the corn for hogging down.

### **MINNESOTA IDEAL CERTIFIED**

This splendid large eared yellow dent corn which we originated is very productive. It is one of the standard corn varieties which are suitable for southern Minnesota and states of the Corn Belt. Minnesota Ideal is the largest eared yellow dent corn and matures a few days later than Minnesota No. 13. Under ordinary conditions its average yield is 80 to 85 bus. per acre and under favorable conditions and good culture, the yield has been 100 bus. per acre. Minnesota Ideal has a strong, vigorous root system and comparatively stiff stalks which enable it to stand up well. It is also an outstanding silage and fodder corn.

Plant  
State  
Certified  
and  
Sealed  
Seed  
Corn.



Treat  
Your  
Seed Corn  
with  
Semesan Jr.  
(See page 79.)

Minnesota No. 13.



# DOUBLE CROSS CORN

New Hybrid Varieties

Vigorous, sturdy plants, a good sound ear on every stalk, no weak and spindling plants, few nubbins or moldy ears. These are some of the outstanding characteristics of Double Cross corn. All of these desirable features combined enable this new kind of corn to outyield the old standard varieties year after year and under all sorts of conditions. The Minnesota Experiment Station has been a pioneer in developing Double Cross varieties of corn. Our own plant breeding department has been conducting similar trials but our varieties have yet to be more thoroughly tested before being put on the market.

### THE LATEST TRIUMPH IN CORN BREEDING BY MINNESOTA EXPERIMENT STATION

We are able to offer the Minnesota Experiment Station varieties which are the results of crosses between Minnesota No. 13 and Rustler White Dent. They have consistently yielded 16 to 20% more dry shelled corn per acre than the standard varieties now being grown in Minnesota. They ripen uniformly early in September, all the plants grow about the same height, and there are no soft or milky ears at picking time. These Double Cross varieties were primarily bred for central Minnesota and similar latitudes such as central Wisconsin, northern South Dakota, but may be grown farther south as they are desirable for early ripe corn or hogging-off purposes. Because of the nature of the breeding of this corn, Double Cross corn may only be used for seed one year; also the seed cannot be graded quite as sharply as the standard varieties and in some instances it may be necessary to use special plates to plant it. Consider, however, the fact that a 16 to 20% increased yield of ripe corn that can be picked at an early date will bring additional returns more than five times the cost of the seed stock. One bu. of Double Cross corn will seed 6 to 8 acres planted at 3 or 4 kernels to the hill, which means a very low cost per acre for seed stocks.

### RETURNS FOUR TO FIVE TIMES THE SEED COST IN EXTRA BUSHELS

Remember, Double Cross corn is 16 to 20% higher yielding, ripens uniformly about two weeks earlier, the plants are vigorous, sturdy and grow to a uniform height and a good sound ear may be found on every stalk. Although the seed may be used only once, Double Cross is a profitable variety to grow. Due to limited space, it is not possible to tell you all about Double Cross varieties in the catalog but we will be glad to send you a circular giving complete details about this new kind of corn. Our supply is small and we will not be able to take care of all the demands, so order early. For price of seed see Blue Figure List.

### This Table Shows the Advantage of Double Crosses Over the Farmers' Varieties

Data Taken From a Few Typical Counties—Minn. Experiment Sta. Demonstrations 1931

County	Number of Tests	Average Yield Farmer's Variety	Average Yield Double Crosses	% Increase of Cross
Rice	5	31.0	44.4	43.0
Renville	5	33.4	44.6	34.7
Dakota	4	22.0	36.5	65.9
Yellow Medicine	10	23.9	28.8	20.5
Steele	10	39.2	50.3	28.3

Seed Supply Limited—See Blue Figure Price List.



Double Cross Corn, IXE Strain.

## FLINT AND FODDER VARIETIES

### KING PHILIP FLINT

This extra early red flint corn is eight-rowed and one of the most reliable and productive varieties for the Northwest. The ears grow 12 inches long with eight straight rows of broad kernels of shiny red color. Stalks produce two and sometimes three good large ears. Not nearly as hard as ordinary Flint Corn. The stalks grow about 7 feet in height and are very leafy, therefore more valuable for fodder than Dent Corn. Matures in 80 days.

### LONGFELLOW FLINT

A yellow flint corn of rich and glossy appearance. The ears are 12 to 16 inches long, filled with large, broad kernels. It is not unusual to find three full-sized ears growing on one stalk and fields that yield 60 bushels per acre. It is a heavy producer of fodder as well as of ears. The average height is 7 1/2 feet, while the ears are set about 3 feet from the ground. Matures in 85 days.

### CANADA SMUT NOSE FLINT

This corn matures in 80 to 85 days and averages 60 bushels per acre of well matured corn. The stalks, which average 7 feet in height, often bear two or three ears, 10 to 15 inches long, very compact, and rich golden yellow, blazed with red towards the tip. The ears are set about three feet from the ground. Canada Smut Nose is well liked for hogging-off purposes as it puts on very rapid gain. In the northern sections it is also grown extensively for silage and fodder.

### RED COB FODDER CORN

A pure white corn which is sweet, tender and juicy, and furnishing great quantities of nourishment. The plants produce an abundance of leaves, and grow to a good height. This corn is suitable for all sections for fodder, but will not ripen here.

### YELLOW DENT FODDER CORN

A standard early variety that has given our customers very good satisfaction for many years. It is a heavy yielder of fodder and may be used for feeding green from the field, as well as for silo filling and for curing in shocks, to be fed later in the bundle. Early type—Stalks large, ears medium, matures in 85 to 90 days. Late type—Stalks and ears large, matures in 95 to 100 days.

### WHITE DENT FODDER CORN

Similar to the yellow dent fodder varieties, and is especially productive of leafy growth and large ears. We offer both early and late types.

### SWEET FODDER CORN

This variety will grow 9 to 10 feet high and produce a great amount of fodder. It will increase the production of milk wonderfully, when fed to dairy cows. Stalks are sweet, tender, juicy, and nutritious, with large broad leaves produced in great abundance. Weight, 48 lbs. per bu., same as sweet corn. Price: All varieties of corn—Lb. 25c, 5 lbs., \$1.00, postpaid. Not prepaid, lb. 20c, 5 lbs. 60c. For larger quantities, see Blue Figure Price List.



Canada Smut Nose.





Homer Rock and his prize field of Ideal Silo Corn, also his new 12x30 Triple Wall Independent Silo—see letter below.

### THIS MEANS SOMETHING TO YOU

St. Paul, Minn.,  
Dec. 5, 1931.

Farmer Seed & Nursery Co.,  
Faribault, Minn.

For more than 25 years we have been manufacturing quality Silos for the Northwest. We are therefore keenly interested in ensilage crops.

In many territories it has been difficult to produce a suitable ensilage crop. Many strains of corn were tried but none were successful. Eventually we became acquainted with your Ideal Silo Corn. We tried it out on our own experimental farms and in areas where corn growing was discouraged by failures. Ideal Silo Corn proved to be a corn especially suited to these areas and I want to thank you for your contribution.

I am sure I express the gratitude of others for your development of this splendid corn for ensilage purposes.

Very truly yours,  
Independent Silo Co.,  
F. F. Rowell, Sales Mgr.

### F. S. & N. CO.'S IDEAL SILO CORN

Known throughout the Northwest as the greatest yielder of corn for fodder purposes. For feeding green, ensilage, and for curing in shocks to be fed in the bundle, it is the most productive corn obtainable.

Ideal Silo Corn is of exceptionally strong, vigorous growth, with stalks growing 8 to 10 feet high, and broad, thick leaves that make succulent fodder. It is not coarse, like southern fodder corn. The ears grow from 8 to 12 inches long, with medium deep yellow kernels.

Because of its deep vigorous root system, it adapts itself readily to unfavorable soil and climatic conditions, withstanding drought and wind, and cold, wet weather equally well. It matures in 95 to 100 days, only a few days later than Minnesota No. 13.

As a silo filler, Ideal Silo Corn is unsurpassed. Many of our customers, who now depend upon Ideal Silo Corn for all their fodder, have filled silos, 12x30, with corn from 4 acres and 12x35, with corn from 5 acres, when ordinary corn from 10 to 12 acres for the same size silo was formerly required. See blue figure price list for quotations.

25% cash will hold your order until wanted, balance to be paid at shipping time. We guarantee to satisfy you.

### OUR 1932 "WHITE GOLD" POTATO GROWING CONTEST

No contest we have ever conducted brought out so many fine letters and expressions of genuine satisfaction as did our White Gold Potato Growing Contest. Nearly 200 exhibits were entered from all parts of the continent. It proved without a doubt that White Gold Potatoes fulfilled all of the claims we made for them—that they matured far earlier than any other variety and yielded good crops even in drought-ridden sections. Some growers reported yields of 300 bushels and up to 402 bushels per acre. All of the specimens sent were of fine uniform shape and quality. The contest was judged by C. M. Larson, agricultural instructor of Northfield, Minnesota.

We regret that space forbids publishing the many fine testimonials our customers sent us and we are sorry all could not be prize winners, but 1932 brings you another chance—for again we repeat our offer: \$61.00 in cash prizes to our customers who send five or more of their best White Gold Potatoes, to reach here by not later than August 25th. Fifteen prizes, with 1st prize \$20.00 in cash. What wouldn't \$20.00 buy this season? So plan now to enter the contest—even should you not win a prize, White Gold Potatoes will give you a real surprise and prove to be the most profitable crop you can grow in 1932.

#### \$61.00 IN CASH—15 PRIZES FOR THE 5 BEST POTATOES

1st prize .....	\$20.00	cash
2nd prize .....	15.00	cash
3rd prize .....	10.00	cash
4th prize .....	5.00	cash
5th to 15th prizes .....	1.00	cash to each

See front cover page for illustration.

**Conditions of Contest.** Every person who sends in an order for 10 lbs. or more of White Gold Potatoes this season is eligible. Send your five best specimens by not later than August 25th, and write us at the same time what you think of this Potato—how it yielded—how it compares with other varieties in earliness and quality. Prizes will be awarded immediately after, and the names of the prize winners will appear in next season's catalog.

Disinterested experts from the Experiment Station will judge the contest. Be sure to read description of White Gold Potatoes on page 77.

#### PRIZE WINNERS OF OUR 1931 WHITE GOLD POTATO GROWING CONTEST

N. Dellwo, Ronan, Mont., 1st prize .....	\$20.00
Henry Blaise, Merrill, Wis., 2nd prize .....	15.00
Robert Bolk, South Range, Wis., 3rd prize .....	10.00
Theo Lueck, Bloomer, Wis., 4th prize .....	5.00
Mrs. Anton Palisch, Murphysboro, Ill., 5th prize .....	1.00
Edwin Seefeldt, Spencer, Wis., 6th prize .....	1.00
Mrs. Victor Neuvonen, Hayward, Wis., 7th prize .....	1.00
David Taylor, Bagley, Wis., 8th prize .....	1.00
Mrs. Mary Ahmann, Mahanomen, Minn., 9th prize .....	1.00
L. M. Roth, Muskogee, Okla., 10th prize .....	1.00

Melvin Anderson, Brook Park, Minn., 11th prize .....	1.00
Aug. Grunst, Eagle River, Wis., 12th prize .....	1.00
Mrs. Katherine Thelen, Arago, Minn., 13th prize .....	1.00
H. M. Waldo, Kelliher, Minn., 14th prize .....	1.00
Wm. Weishar, Polson, Mont., 15th prize .....	1.00
Mrs. Ed Muggli, Williams, Minn., 16th prize .....	1.00
Otto Hendrickson, Rochert, Minn., 17th prize .....	1.00
Mrs. G. B. Hutchinson, Bradley, Miss., 18th prize .....	1.00
John F. Passa, Oslo, Minn., 19th prize .....	1.00
P. P. Bergquist, Kensington, Minn., 20th prize .....	1.00

### A GROWER TALKS FROM EXPERIENCE

Farmer Seed & Nursery Co.  
Faribault, Minn.

On May 5 I planted five acres of Ideal Silo Corn.

This corn made a growth of from 12 to 14 ft., and had from one to four ears to each stalk. I have my hundred-ton silo full to the top and 20 or 25 tons left in the field.

Everybody I have talked to says it is the best they ever saw. This is my first experience with a silo and I sure am glad to know that a man can produce such an enormous amount of feed on such a small acreage. I bought my silo from the Independent Silo Company of St. Paul, through their salesman, T. W. Issajeff who recommended your Ideal Silo Corn as the best corn I could plant. I have about half an acre that I didn't cut which is maturing nicely for seed.

Homer W. Rock, Lolo, Mont.



# MINNESOTA GROWN SEED POTATOES



Think of Growing 300 Bushels of "White Gold" Potatoes Per Acre Like These as a Knock-out for Old Man Depression.

## KREMER'S EARLY WHITE GOLD—A MONEY MAKER SEE FRONT COVER

When we offered Kremer's new Early White Gold Potatoes for the first time last season, little did we realize the great demand awaiting this wonderful Potato. To the hundreds of customers who were unable to get seed, we suggest—"Don't delay your order."

We regret it is impossible to publish the fine reports from satisfied customers totalling over 100 and located in all parts of the United States—all telling of the great satisfaction this new Potato brought them. Space forbids printing even a part of them. However we will be glad to send a special circular containing some of these reports if you will ask for it. All have conceded that Kremer's White Gold fulfilled every promise made for it—that it proved to be 10 days to two weeks earlier than Early Bliss Triumph, Early Ohio or Irish Cobbler and that it produced enormous yields even in drought-ridden sections. In a number of localities, no other varieties survived the terrific heat and drought. Several reported yields of 300 bushels per acre and the record goes to George Heinrich of Itasca County with a yield of 402½ bushels, harvested from a single acre—all were fine, clean good-sized Potatoes, with less than 2% under U. S. No. 1 grading.

One of the leading Potato experts of the Northwest, according to the Duluth News Tribune, stated while judging a County Potato Exhibit—"There is no other Potato in the show that can even approach 'White Gold.'" At the Minnesota State Fair and at numerous County Fairs, this new variety again carried off highest honors.

White Gold Potatoes were developed from a potato seedling, by George Kremer of Itasca County, Minnesota. For six years the seedlings were carefully selected and increased before White Gold was introduced. It has the size and shape of the Green Mountain, though the eyes are shallow and it is of slightly netted appearance. The yields compare favorably with late varieties such as Carmans and Rural New Yorkers. The outstanding feature however is its earliness, for here is a White Potato of good size and appearance, a big yielder and ten days earlier than Irish Cobbler, Early Ohio or Bliss Triumph. Can you appreciate what this means for early market?

The past season was exceptionally hot and dry in most sections so that yields were cut down on all varieties, however, White Gold outyielded other sorts in most all sections.

We have secured exclusive distribution of the originator's stock of White Gold Potatoes and as the seed supply is limited, we advise placing your order at once. Send half remittance only if more convenient—balance when you want shipment made.

Price: 10 lbs. \$1.00, postpaid to 3rd zone; ¼ bu. 85c, ½ bu. \$1.25, 1 bu. \$2.25. See blue figure list for quotations on larger quantities.

## EXTRA EARLY BLISS TRIUMPH

Bliss Triumph is at least a week or ten days earlier than the Early Ohio. The tubers are of handsome appearance, being almost round, with slightly depressed eyes, mostly at the seed end. They run very uniform as to size and shape. The skin is light to solid red. Flesh is pure white, both when raw and cooked. Its beautiful appearance, wonderful productiveness and superior table qualities make this potato a favorite for the early market.

## EARLY IRISH COBBLER

Another extra fine early potato, and one that is not easily affected by blight and insects. The tubers are nearly round, with prominent ridge at ends, causing uneven surface, and slightly flattened, rather blocky. The skin is white, well netted, with eyes of medium depth and number. It is a fine flavored potato of good cooking and keeping qualities and a heavy yielder.

## EARLY OHIO

The old favorite, and the most profitable, dependable early potato grown. It is a heavy yielder, producing 150 to 250 bu. per acre, tubers being of even size, medium to large, oval in shape, very smooth, with shallow eyes. Early Ohios always bring a high market price, and though very early, they will keep until May or June if properly stored. The flesh is white, firm, fine grained, and of excellent flavor. The cooking and baking qualities are unsurpassed.

## HYBRIDIZED POTATO SEED

Many of the choicest varieties have been originated by amateurs from Potato Seed. They have an equal chance with the Potato specialist, as Nature does the work. Very interesting. Directions for planting and cultivating on every packet. Pkt. 15c.

## GREEN MOUNTAIN CERTIFIED

One of the best main crop Potatoes—a late white variety producing remarkable yields and especially adapted for the Northwest. Owing to their large size, there are very few unmarketable Potatoes, to be found in a field. Green Mountain is a vigorous grower, a good keeper and outstanding as a haking Potato. Our seed is certified.

## RURAL NEW YORKER

This is the best known, and the standard late market potato. The tubers are of large size, nearly round to oval, considerably flattened, with stem and seed ends roundish. The skin is smooth and white, with broad shallow eyes at the seed end. The foliage is deep green, vigorous and heavy, therefore unusually scab and insect resistant. Rural New Yorker is an exceptionally hardy potato, and on heavy black and clay soils it yields 200 to 400 bushels per acre.

## RUSSET RURAL

This Potato has all the characteristics of the regular Rural New Yorker, and in addition a finely netted or russet skin. It outyielded most all late varieties—is disease-free and a wonderful cooker and baker. We consider it equal to the finest Idaho Russets.

## CARMAN NO. 1

This variety is quite similar to the Green Mountain—good size, oblong shape—fine keeper and always of the best table quality. It is especially liked in many sections where it is known to give higher yields than some of the other main crop varieties. Stocks are of very fine quality.

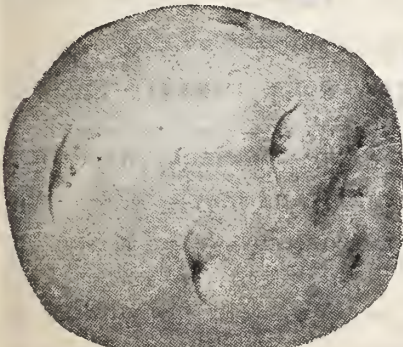
Potatoes cannot be shipped by freight until April 15th. Earlier shipments are sent by express.

Use Semesan-Bel for Treating Potatoes. See Page 79.

## FARIBAULT MAMMOTH PRIZE

The largest choice white potato in cultivation. It is of strong, vigorous growth, well suited to most soils and climatic conditions, and an enormous yielder. It is practically scab-proof, and but little affected by the ravages of potato bugs. It matures with Carman, and is one of the most profitable for the market.

\$61.00 in cash prizes to growers of Early White Gold Potatoes. 15 prizes. It's easy to win and you can't lose with New White Gold Potatoes. They will bring highest market prices. See page 76 for contest particulars.



Irish Cobbler.



Early Ohio.

See Blue Figure Price List for Quotations.



# INSECTICIDES—FUNGICIDES AND REMEDIES

Write for Acme Sprayer Chart and Guide Free. Poisons Cannot be Mailed.



**ACME GARDEN GUARD**—A garden insecticide and fungicide for use as a dust. No water, no mixing, no muss. For use on cabbage, cauliflower, tomato plants, melon vines and other vegetables, currants and gooseberries, flowers and shrubs of many kinds. Price: 1 lb. sifter carton 30c, prepaid.

**ACME BORDEAUX MIXTURE**—Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungous diseases. Price: 1 lb. 35c, prepaid. Not prepaid, 1 lb. 30c, 4 lbs. \$1.00.

**ACME ARSENATE OF LEAD**—The most favored arsenical insecticide. It is safest to use on tender foliage and sticks well on the leaves. Can be used as dust or spray. Price: ½ lb. 20c, 1 lb. 30c, not prepaid.

4 lbs. \$1.00, not prepaid.

**ACME ALL ROUND SPRAY**—One product which will combat blight and fungous diseases, control sucking insects and destroy chewing insects in one application. Price: ¼ lb. 35c, 1 lb. 85c, not prepaid.

**ACME LIME SULFUR**—Summer spraying against scab, soot, blotch, red spider and mite. Price: 1 lb. 35c, prepaid.—Not prepaid: 1 lb. 30c, 5 lbs. \$1.20, 10 lbs. \$2.00.

**ACME BAIT-M**—For use against snails, cutworms, sow bugs, grasshoppers and many other insects which migrate along the ground. Price: 1 lb. 40c, 3 lbs. 75c, prepaid.—Not prepaid: 15-lb. carton, \$2.25.

**ACME TWO-WAY SPRAY**—A balanced insecticide and fungicide. Use wet or dry on fruits and vegetables. Price: ½ lb. 25c, 1 lb. 40c, 4 lb. bag \$1.35, not prepaid.

**LICE POWDER**—Will successfully kill body lice on chickens, horses and cattle. It is very effective when applied to roosts, walls and crevices with a powder gun. Price: 1 lb. 30c, postpaid.—Not prepaid: 1 lb. 25c, 5 lbs. \$1.00.

**TOBACCO DUST**—Destroys rose bugs, lice, vine bugs, tomato worms, currant worms, cabbage lice, and the parasites of all descriptions. Apply when foliage is wet. Price: 1 lb. 30c, prepaid.—Not prepaid: 1 lb. 25c, 5 lbs. \$1.10, 10 lbs. \$2.00.

**SULPHO TOBACCO SOAP**—For exterminating all insect life on plants and flowers. Kicks the house of cockroaches, and is a superior wash for animals. Prevents poultry lice. Price: 3 oz. cake, sufficient for 1½ gallons prepared solution, prepaid, 15c. 8 oz. cake, prepaid, 25c.

**SLUG SHOT**—The standard remedy for worms, rose slugs, caterpillars, cabbage worms, and all soft shelled insects—effective, and entirely harmless to plants. Use on potatoes, currants, cabbage, roses, bushes. Price: 1 lb. carton, with perforated top, ready for use, each 30c, prepaid.—Not prepaid: 1 lb. carton 25c, 5 lbs. 85c, 10 lbs. \$1.50.

**"NOK-EM-KOLD" GARDEN INSECTICIDE**—Endorsed by many market growers associations and used in our own trial grounds. It controls cabbage and cauliflower worms, cucumber beetles and all insects infesting vine crops, berries and shrubs. Dust on while the foliage is damp with dew. Will not burn or injure plants or fruit. Price: 1 lb. 25c, prepaid.—5 lbs. 90c, not prepaid.

**"BLACK LEAF 40"**—(Sulphate of Nicotine.) Is especially recommended for killing the green aphid or lice which usually appear on sweet peas, cucumber and other vines. It can be used for spraying all kinds of plants. Also very valuable when used as a dip for cattle and sheep. A 10-lb. can of "Black Leaf 40" will produce 960 gallons of dipping solution. Cannot be sent by mail. Price: By express, 1-oz. bottle 35c, 8-oz. tins \$1.35, 2-lb. tins \$3.75, not prepaid. Delouse poultry by painting roosts with "Black Leaf 40."

**SEMESAN BEL**—For Potatoes. Potato diseases cause a loss equivalent to the yield of 1 acre in every 5 or 6 acres planted. Much of this loss can be prevented by treating seed before planting with Semesan Bel, the instantaneous dip disinfectant. Effective in controlling such seed-borne diseases as scab, rhizoctonia and black leg. Improves germination and usually produces a bigger crop of better quality. One pound treats 70 to 80 bushels of seed. Prices: 4 ozs. 50c, 1 lb. \$1.75, prepaid.—5 lbs. \$8.00, 25 lbs. \$31.25, not prepaid.

**EVERGREEN**—Non-Poisonous Insecticide. Effective against most other plant pests, including cucumber and melon beetles, cabbage worms, rose slugs, leaf hoppers, currant worms, etc. Safe—Kills only insects—harmless to man, live stock, birds and pets. Non-Injurious—Spray freely on the tenderest plants. Won't injure the ground. Price: 1-oz. bottle 35c, 6-oz. bottle, \$1.00, prepaid.

Poultry Men—Be sure to read about Hen-O-Fume and Hen-O-Mist, the new roup and cold remedy, described on page 83.

## KILL INSECTS

Quicker—Safer—Easier

with

## KALO NON-ARSENICAL INSECTICIDES

Using Proven, Modern Principles,  
Controlling More Insects

WITHOUT ARSENIC



**KALITE**—a quick-killing dust for most chewing insects, as Beetles, Worms, Caterpillars, including Cucumber Beetles, Mexican Bean Beetles, Cabbage and Tomato Worms, Blister Beetles, Flea Beetles, and many others not killed by old-fashioned insecticides. Safe to use. Does not burn foliage.

1 lb. can 35c 3¼ lb. can \$1.00 25 lbs. \$5.00

## KALO SPRAY

—used as a wet spray for same insects as Kalite. Also for Codling Moth, Oriental Fruit Moth, Curculio. Safe to use and safe for foliage.

½ lb. can 35c 4 lb. bag \$1.40



**KALOIL**—a non-poisonous spray for most insects. An economical pyrethrum contact spray. Mixes readily with any water for instant use. Needs no soap. Particularly for sucking insects such as Aphid (plant lice), Leaf Hoppers, Mites, Thrips, White Flies.

1½ oz. can 35c 6oz. \$1.00 32 oz. \$3.50

KALITE AND KALOIL ARE MAILABLE

Kalite Products are Quoted f. o. b. Faribault

**SHEPS PLANT SPRAY**—Non-Poisonous. Kills and controls both sucking and chewing insects but absolutely harmless to humans, birds, animals and pets. Will not "burn" delicate leaves or flowers. Makes green, healthy, lustrous foliage. No soap solution needed—simply mix with water. Prices, Postpaid:

2-oz. bottle (makes 4 gals. spray solution).....	\$0.35
8-oz. bottle (makes 16 gals. spray solution).....	.75
Pint bottle (makes 32 gals. spray solution).....	1.25
Quart can (makes 64 gals. spray solution).....	2.00

## POULTRY SUPPLIES AND REMEDIES

**MINK'S LOUSE KILLER OINTMENT**—One application keeps hens free from lice for six months. Pays its cost tenfold in increased egg production. Wonderful remedy for head lice on baby chicks and turkeys. If not completely satisfied, return empty box and get your money back. One box sufficient for treating 75 to 100 hens. Perfectly harmless. Price: \$1.00, prepaid.

**GONKEY'S Y-O**—Yeast with cod liver oil. Builds healthy chicks. Price: 1 lb. 65c, prepaid.

**GONKEY'S CHOLERA REMEDY**—2 sizes—Price: 25c and 55c, postpaid.

**GONKEY'S POULTRY TONIC**—Price: 30c, postpaid, 3½ lbs. for 50c, not prepaid.

**GONKEY'S POULTRY WORM REMEDY**—Two sizes—Price: 30c and 50c, postpaid.

**BALMO OR CANKER REMEDY**—Price: 35c, postpaid.

**OLD RELIABLE POWDER—FORMERLY ROUP REMEDY**—Two sizes—Price: 30c and 65c, postpaid.

**DIATEX WHITE DIARRHEA REMEDY**—Two sizes—Price: 30c and 60c, postpaid.

**GONKEY'S SCALY LEG REMEDY**—Price: 25c, postpaid.

**POULTRY BONE**—Price: 25 lbs. 80c, 50 lbs. \$1.40, 100 lbs. \$2.40, f. o. b. Faribault.

**BEEF SCRAPS**—Price: 25 lbs. 80c, 50 lbs. \$1.30, 100 lbs. \$2.25, f. o. b. Faribault.

**CRUSHED CHARCOAL**—Price: 25 lbs. 75c, 50 lbs. \$1.35, 100 lbs. \$2.50, f. o. b. Faribault.



# SACCO

TRADE MARK REG. U. S. PAT. OFF.

Makes Things Grow

**All Purpose Balanced Fertilizer**

SACCO is the finest of fertilizers—a combined soil rectifier and growth producer for use on LAWNS, GARDENS, SHRUBS, FLOWERS, TREES, POTTED PLANTS and VEGETABLES. It is a well-balanced preparation containing ALL THE FEEDING ELEMENTS essential to the perfect growth and development of all plants.

**EASY TO APPLY—ECONOMICAL TO USE**

Use 2 to 4 lbs. for every 100 sq. ft. (10x10 ft. area). Full directions for applying SACCO are printed on each package.

**One Application Produces Amazing Results**

A single SACCO application can be depended upon to make grass and vegetables grow vigorously and to make flowers and shrubby beautiful with bloom and foliage. This plant food gives quick results, is easy to apply and, because only a small quantity is required, is very economical. SACCO has no offensive odor.

**SACCO is Recommended by Highest Authorities**

SACCO has the approval of horticulturists and of many thousands of satisfied users. On the lawns of fine homes—on golf courses—in private gardens—in hot-houses—and in the nurseries of progressive florists and commercial growers—SACCO has proved its unquestionable superiority.

The 80 cent size—10 lbs.—is sufficient to fertilize plot of lawn 20x25 ft. The \$1.60 size—25 lbs.—will cover plot 40x30 ft. See "Amount to Apply" above.

Price: 5-lb. bag 45c, 10-lb. bag 80c, 25-lb. bag \$1.60, 50-lb. bag \$2.80, 100-lb. bag \$4.75, f. o. b. Faribault.

A booklet of Detailed Instructions is contained in each package.



**FOR WEED CONTROL IN LAWNS**

Here is an ideally balanced fertilizer made especially to rid your lawn of weeds. Grass will grow luxuriantly and weeds will gradually disappear. WEDO is formulated after recommendations of leading experiment stations and soil authorities. It contains the recommended amounts of nitrogen, phosphates and potash most suitable to lawn grasses. WEDO is an ideal fertilizer for creeping bent lawns and putting greens.

**WEED ELIMINATING FEATURES**

Incorporated in WEDO are the valuable weed eliminating features of sulphate of ammonia and other weed control elements.

**How Much WEDO to Buy**

Only one pound is required for 100 square feet. Multiply the dimensions of the area to be treated and divide by 100. This will give you the number of pounds required.

10 lbs. 95c, 25 lbs. \$2.00, 50 lbs. \$3.75, 100 lbs. \$6.50.

**OYAMA JAPANESE PLANT FOOD**

**Safe to Use—Odorless—Clean—Contains No Bone, Soda or Lime**

Oyama will keep house plants in bloom all winter and as green and luxuriant as if grown outdoors. It makes no difference how delicate your plants may be. Oyama will bring out new flowers and foliage. Fine for all kinds of plants, ferns, roses, bulbs, shrubs, fruits, flowers, seedlings and early vegetables. Oyama contains nitrogen, 17 per cent; available phosphoric acid, 17.35 per cent; potash, 24.52 per cent. All soluble and available.

**NU-LIFE PLANT GROWER**



The best of plants need stimulating. The soil becomes stale and worn out and the plants sickly—then the leaves discolor and the blooms lack brilliancy.

Here is where Nu-Life Plant Food comes to the rescue. Immediately results will be noticed. It is easy to use, entirely odorless, and it will put new life into your sick plants. It will pep up your flower bed and stimulate growth of all vegetation, indoor or outdoor. Nu-Life Fertilizer will produce more perfect

flowers or fruits, and healthy foliage.

Because Nu-Life is a most highly concentrated plant food and contains 15% Nitrogen, 30% Phosphoric Acid and 15% Potash, only a small amount is required per pot. For a sick plant, scatter a two-finger pinch of Nu-Life on the soil. After a new leaf growth has started, use a level teaspoonful of Nu-Life with a gallon of water and apply approximately half a teacup full per plant on a three-inch pot and a teacup full on a four or five-inch pot. Apply every two or three weeks.

Nu-Life Plant Food is readily dissolved and carried right to the roots. Its fertilizing value is four to five times that of ordinary plant food. It is properly balanced and practically water soluble. Liberal Trial Size 15c, 1/2-lb. package 50c, postpaid.

Special—Try a 15c packet; return the empty packet for credit of 10c on a 50c package.

**LENOX MISTY SPRAYER**

Just the thing for house plants or small shrubs. It throws a fine misty spray under or over the plants, thoroughly drenching the foliage and removing dust and insects. Any liquid insecticide or poison may be used, and with this sprayer every part of the plant can be covered with effective results.

Price: 80c. Extra bulbs 35c each, prepaid.

**SULPHO TOBACCO SOAP**

For cleansing, disinfecting and invigorating plants. 3-oz. cake, sufficient for 1 1/2 gallon solution. 15c; 8-oz. cake, 25c, prepaid.



**SPRAYING UNDER THE LEAVES THE THING LONG NEEDED**

**STIM-U-PLANT**

A highly concentrated fertilizer in tablet form. Is readily dissolved and very effective. Easy to use—simply insert tablet in the soil near the base of plant.

Price: 30 tablets 25c, 100 tablets 75c, prepaid.

**INCREASE FARM PROFITS AND GARDEN PLEASURES**

Prevent Disease Losses by Using Du Bay Seed Disinfectants

**SEMESAN**—For vegetable and flower seeds. Diseases often reduce germination and result in poor stand, lowered quality and reduced yield. Kill these harmful disease organisms on the seed before planting. Semesan may be applied as a dust or liquid and is harmless to seeds. Effective in controlling damping-off of seedlings. Full directions in can. Prices: 2 oz. 50c, 1 lb. \$2.75, 5 lbs. \$13.00, 25 lbs. \$56.25.

**SEMESAN BEL**—For seed potatoes. Potato diseases cause a loss equivalent to the yield of 1 acre in every 5 or 6 acres planted. Much of this loss can be prevented by treating seed before planting with Semesan Bel, the instantaneous dip disinfectant. Effective in controlling such seed-borne diseases as scab, rhizoctonia and black leg. Improves germination and usually produces a bigger crop of better quality. One pound treats 70 to 80 bushels of seed. Prices: 4 ozs. 50c, 1 lb. \$1.75. Prepaid, 5 lbs. \$8.00; 25 lbs. \$31.25. Not Prepaid.

**SEMESAN JR.**—For seed field and sweet corn. Our corn crop is reduced over 80 million bushels annually by diseases that are carried on the seed. Destroy these costly diseases by treating your seed corn with Semesan Jr. Simple, quick, effective. Costs only 2 1/2 c an acre. It destroys harmful disease organisms on the seed, protects seed from rotting in cold wet soil, makes earlier planting possible, controls seedling blight, reduces root and stalk rots, and generally increases crop yields. Use 2 ozs. per bushel of seed. 4 ozs. 50c, 1 lb. \$1.75, 5 lbs. \$8.00, 25 lbs. \$31.25.

**GERESAN**—For seed grains. Prevent losses and protect your profits by treating all seed grains with Geresan before sowing. Effective in controlling smuts of wheat; seedling blight of cereals caused by seed-borne scab; smuts of oats; covered smut and stripe of barley; kernel smuts of sorghums and millets; and seed-borne stem smut of rye. Seed may be treated in spare time. Only 2 ounces needed per bushel of seed wheat, rye, sorghums or millets and 3 ounces for oats and barley. Prices: 1 lb. 75c, 8 oz. 50c, 5 lbs. \$3.00, 25 lbs. \$12.50.



**THE NEW AMERICAN GARDENER NO. G2**

A complete garden outfit for all purposes. 1—A plow for trenching; 2—A scuffle hoe or sweep for weeding; 3—A cultivator for breaking up the soil; 4—A mulcher, pulverizer or rotary hoe for pulverizing, killing weeds, stimulating plant growth and leaving a dust mulch to save moisture. It is simple, compact, easy to use and speedy. This single tool will do everything that any other tool or combination of tools will do. The mulcher attachment is interchangeable with trenching plow. Loosen the hand wheel and turn any one of these tools into position. Fully guaranteed. For a seeding attachment, we recommend Midget No. 2—described below.



**4 TOOLS IN 1**

**\$4.90 Complete**

Price: Complete, \$4.90, not prepaid. Weight, 23 lbs.

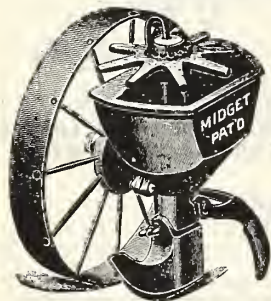
**“STANDARD” NO. 20 SINGLE WHEEL CULTIVATOR**



With this tool you can get your money's worth in a few hours work, whether you have 5 acres, one acre or a garden only 25 feet square. Has a strong steel wheel 24 inches in diameter, making it work easily and carrying the tool in perfect balance. The handles are quickly adjusted to suit the height of the operator or to regulate the depth desired to run attachments. The equipment includes double end shovel mold board with landside, combined sweep and rake, (practically 5 tools.) Weight, 18 lbs.

Price: Complete, \$3.25.

**STANDARD MIDGET SEEDER NO. 1**



For sowing any kind of seed, from the smallest up to peas, and beans, in any quantity. Will attach with one bolt to any Standard Single Wheel cultivator, or any other Single Wheel cultivator, having 5 1/2 inches or more space between shank and wheel. Shoe is adjustable for any depth and coverer swings easily. Shipping weight, 8 lbs.

Price: Set up, ready to be attached, \$3.50. With handle, \$4.00.

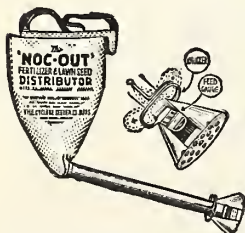
**STANDARD MIDGET NO. 2**

This perfect seeding device will hold one quart of seed. It drills accurately all kinds of seeds from radishes to peas or beans, covering at uniform depth and giving an even stand. Use this tool in combination with the new American Gardener and you have a complete outfit that will meet every requirement of your garden from seed time to harvest.

Price: \$4.25, not prepaid. Shipping weight, 10 lbs.

Ask for Complete Catalog.

**“NOG-OUT” FERTILIZER AND LAWN SEED DISTRIBUTOR**



An inexpensive time and labor-saving device for applying various commercial fertilizers or plant foods on small areas, like gardens, lawns, around shrubs, flower beds, potato furrows, etc. Also very convenient for distributing lawn seed.

It is fitted with an oscillating “knocker” which, in operation, sets up a vigorous vibration insuring a steady flow of material to be distributed. The container, made from good weight Grade “A” duck holds about 14 quarts. The tube and

hood are of heavy lacquered tin. An adjustable feed gauge controls flow of material as desired. A very useful and desirable tool at a low price. Price: \$1.25, prepaid.

**BARKER WEEDER, MULCHER AND CULTIVATOR**

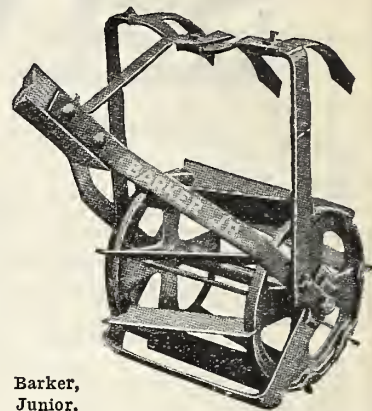
The only garden tool which will form a complete, porous and level soil mulch for conserving the moisture and holding it at the roots. This soil mulch is of such an even granulation that it readily permits complete aeration of the ground.

Eight reel blades, working in combination with the knife passing under the surface, do the work. Best weed killer ever used. Easy to operate, no delicate parts to get out of order.

For market gardeners we recommend The Barker; for home gardens the Barker Jr.

Prices: f. o. b. Faribault.

No. 9D—9 ins. wide.....	\$ 9.35
No. 10D—10 ins. wide.....	10.25
No. 11D—11 ins. wide.....	11.50
No. 12D—12 ins. wide.....	12.25



Barker, Junior.

**THE BARKER JUNIOR**

The BARKER Jrs. are built of the same high quality materials as the BARKER, and have the advantage of our expert workmanship and expert knowledge of construction. They have open wheels, and are slightly less rugged than the BARKER.

Prices

No. 6 —6 ins. wide.....	\$ 7.00
No. 8 1/2—8 1/2 ins. wide.....	7.75
No. 10 —10 ins. wide.....	8.25
No. 66—2 each—6 ins. wide. For working two sides of a row.	14.25

Write for catalog of full line of Barker Weeders and Mulchers.

**CYCLONE HAND SEEDER**

Grass Seed mixtures cannot be seeded to advantage with the grass seeder attachment to the grain drill because of clogging and uneven work. The Cyclone Seeder is simple, light but strong. It will sow timothy, clover, millet, and grass seeds, as well as flax, wheat, rye, oats, buckwheat, turnips, and fertilizers perfectly even. Any desired quantity, from one quart to three bushels can be sown, per acre. Canvas bag holds one-half bushel seed. Shipping weight, 4 pounds. Price: \$2.00, not prepaid.



**HORN HAND SEED SOWER**

Has a heavy canvas bag, with shoulder strap. The tube is in 3 sections, 30 inches long. The larger end fits into a stub joint which is fastened to the bag, and in which is a gauge to regulate the sowing of the seed. Holds about one-half bushel of seed, operates quickly and easily, for all broadcasting seeding. Shipping weight, 1 lb. Price: \$1.00 each, postage extra.

**WHEELBARROW SEEDER**

This seeder will sow accurately clover, timothy, millet, flax seed and other heavy grasses. The wheel is 30 inches in diameter, with tire 1 1/2 inches wide. The feed is controlled by an improved force feed roll driven by the wheel, so the gait of the man operating the machine does not affect the feed of the seed. The seed is carried so low down that it cannot be scattered by the wind. This seeder will sow 25 to 40 acres per day. Weight about 50 lbs. Price: No. 10—14-foot machine, \$11.40. (Illustrated.)

Special catalogs of Planet Junior and Standard tools, Barker Cultivators or Hudson Sprayers free on request.



No. 11—16-foot machine, \$12.20.

No. 12—With Double Hopper, for sowing light grasses and mixtures, Blue Grass, Bromus, etc. Weight, 55 lbs. 14-foot machine, \$14.00.





**IMPERIAL WEED PULLER**

A very simple tool to eradicate weeds in the lawn or garden. Pulls them up, roots and all. No back breaking job—simply push into the soil under the weed, at a 95 degree angle, and pull back straight—then out comes weed, roots and all. Made of high grade steel, black enamelled wide wooden handle.  
 Price: 75c, not prepaid. By mail, 90c, prepaid.



**DROP FORGED PRUNING SHEARS**

Every home has a thousand and one uses for pruning shears—shrubs, berry bushes, hedges, trees, plants—all need pruning. Here is a good one—drop forged blade and handle in one piece. Volute spring. Will last a life time.  
 Price: 85c, prepaid.



**WEAR PROOF LABELS**

Mark your shrubs, trees and plants; the cost is small and what a lot of satisfaction to have everything properly identified. Will last indefinitely with but little care.



No. 10—Wood Labels. Size 5/8 x 3 1/2 inches, copper wired. Price: Per 100, 45c; per 1,000, \$3.25, prepaid.  
 No. 410—Wood Pot Labels. Size 5/8 x 4 inches, with pointed ends. Price: Per 100, 45c; per 1,000, \$3.25, prepaid.  
 No. 40-S—Celluloid Labels. Size 5/8 x 3 1/2 inches. May be re-used. All wired with copper wire. Price: Per 100, 60c; per 1,000, \$5.00, prepaid.  
 No. 20—Copper Labels. Indestructible. Size 5/8 x 3 1/2 inches. Wired for use. Price: Per doz., 20c; per 100, \$1.00, prepaid.

**STANDARD HEDGE SHEARS**

To keep the hedge looking trim—it simply cannot be done without Hedge Shears. The Standard serves dozens of purposes in trimming up trees, shrubs and plants. Has wide bevel blades, ground and polished. Tangs natural finish, bright steel ferrules, case hardened bolt and nuts with lock washer. Mahogany finish, 8-inch blades.  
 Price: \$1.60, prepaid.



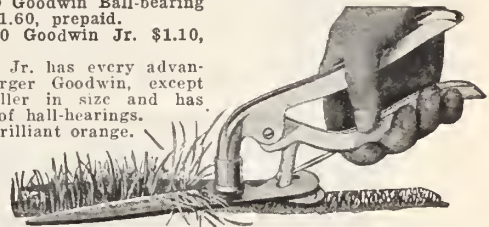
**GOODWIN BALL-BEARING GRASS SHEARS**

Blades are beveled and ground to a fine cutlery sharpness. Cutting edges 4 1/2 inches long. Rust resistant carbon knife blade steel. Goodwin Shears are adjustable. Tension adjustment makes them easily adaptable to all cutting requirements—fine grass—coarse stalks—hedges or light pruning. The Goodwin is the only ball-bearing Grass Shear.

Insures smooth action at all times and no binding or spreading of the blades in service.  
 Handles are fitted to the hand and rounded at the corners; easy ball-bearing action.

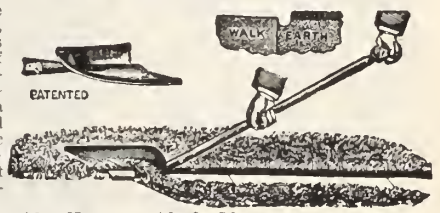
Price: No. 10 Goodwin Ball-bearing Grass Shears \$1.60, prepaid.  
 Price: No. 20 Goodwin Jr. \$1.10, prepaid.

The Goodwin Jr. has every advantage of the larger Goodwin, except that it is smaller in size and has bronze instead of ball-bearings. Finished in brilliant orange.



**IMPERIAL LAWN EDGE TRIMMER**

With this tool, the rough, straggling, overhanging grass along the edges of the walk can be trimmed in a few minutes. It plows a clean U-shaped trench, delivering the cutting on the sidewalk, making a neat and attractive appearance.



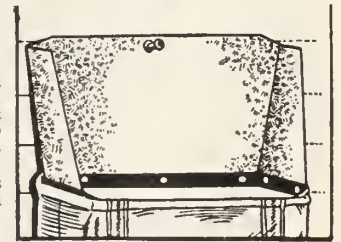
Price: \$1.60, prepaid. Not prepaid, \$1.50.

**NEW IDEA SACK HOLDER**

Saves the work of an extra man in sacking grain, corr., etc. No supports needed—hang it anywhere, or use it as a scoop in filling a bag from the bin. Holds bag securely.

The New Idea sack holder is made of heavy galvanized iron and will last a life time.

Price: 85c each, prepaid.



**NEPONSET FLOWER POT**

Adapted for growing, transplanting or shipping. Made of tough waterproof paper, eliminating breakage. Permits speed in handling and more economical than clay pots.

	Dozen	100	1,000
	Prepaid	Prepaid	Not Prepaid
2 -inch	\$0.20	\$0.85	\$ 5.50
2 1/2 -inch	.23	1.00	6.50
3 -inch	.25	1.30	8.50
3 1/2 -inch	.30	1.60	10.70
4 -inch	.33	2.00	13.40
5 -inch	.40	3.00	20.40



**"SURE CROP" MOSS PEAT**

The moisture holder and soil conditioner for vegetable and flower gardens, shrubs, etc.

Ideal top dressing for lawns, roses and shrubbery.

"Sure Crop" Moss Peat is a native soil conditioner. It is a big factor in gardening, in developing friable soil and a balanced top soil to retain the moisture.

If you are having trouble with your lawn, if your soil is light and sandy, "Sure Crop" Peat will show wonderful results.

Two ounces of "Sure Crop" Peat are capable of absorbing one pound of water. Use it around the base of roses, shrubs, perennials, your window and porch boxes, among ferns and potted plants.

One bale of "Sure Crop" Peat will provide top dressing for 800 to 1,000 square feet of soil. It is inexpensive to use and is guaranteed to satisfy.

"Sure Crop" Peat contains life-giving humus essential to plant growth—high in nitrogen content and is free from silt and weed seeds.

**How to Apply "Sure Crop" Moss Peat**

Break it up and pulverize finely—then scatter it evenly to a depth of about one-half inch over garden or lawn. Use a rake to get even distribution and tamp it down with rake end. For the lawn, a top dressing should be made late in April or early May. A small amount of Saceo fertilizer may be applied at the same time, or mixed with the peat. This will provide a balanced plant food and a moisture holder that should show results quickly.

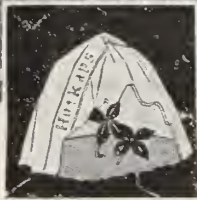
For Shrubs, Roses, Perennials, etc., spread "Sure Crop" Moss Peat around the base of the plant to a depth of about one-half inch.

The value of Moss Peat as a mulch is especially demonstrated in a hot, dry summer, such as was experienced during the past season.

Price: 5-lb. package 65c, prepaid; 10-lb. package \$1.00 (prepaid to 3rd zone). Not prepaid: 1/2 bale, about 50 lbs., \$1.75. Full bale, 100 to 110 lbs., \$2.85. Five bales, \$13.75.

**COARSE MOSS PEAT.** For poultry and stable litter. Is used by leading poultry and dairymen. Not recommended for lawns.

Price: 50 lbs., \$1.65; 100 lbs., \$2.75. Not prepaid.



Get Bigger Crops to Market—3 Weeks Earlier!

**"GERMACO" HOTKAPS**

MODERN INVENTION PROTECTS PLANTS FROM FROST.

"GERMACO" HOTKAPS can make many extra dollars for you this season. They are patented wax paper cones—"individual hothouses for each plant"—that completely cover them, and fully protect them from frost, wind, rain, ground-crusting, and insects. This is your assurance of earlier, bigger crops, and higher early-to-market prices. Hotkaps are inexpensive and easy to use. One man "sets" over 2,500 per day.

Hotkaps enable growers to market crops three weeks earlier and reap the fancy prices paid early in season.

Prices: 1,000 lots, \$11.00; 5,000 lots, \$10.75 per M; 10,000 lots, \$10.50 per M; 250 Trial Package, including Garden Setter with Tampoer, \$4.00; 100 Home Package, including Garden Setter with Tampoer, \$2.50 f. o. b. Faribault.

Weights: 1,000, 28 lbs.; 250, 9 lbs.; 100, 5 lbs.



# ATLACIDE

## CALCIUM CHLORATE

Non-  
Poisonous  
Weed Killer

**ATLACIDE**—Exterminates all undesirable vegetation including Poison Ivy, Canada Thistle, Johnson Grass, etc., without danger of poisoning humans or animals. Simply shake powder from can on the weeds and grasses to be killed. Especially recommended for obtaining weed-free driveways, paths, tennis courts and gutters.

1-lb. Duster (kills 100 sq. ft. of weeds) 60c each, prepaid.

3½-lb. Duster (kills 350 sq. ft. of weeds) \$1.65 each, prepaid.

Bulk sizes for refilling duster or for making solution, 50-lb. drum, (kills 5,000 sq. ft. of weeds) 20c lb., not prepaid.



### HUMANE DEHORNING PENCIL

The value of a calf is increased \$2.00 by dehorning. The brutal method of sawing off the horns is obsolete. Check the growth of horns in young calves with our "Humane" Dehorning Pencil. One application does the work, so simple any boy can do it—does not injure the calf, is entirely painless. We absolutely guarantee satisfaction, or refund your money. Each pencil will dehorn from 15 to 20 calves, at a cost of about 4 cents per calf. We have sold "Humane" Dehorning Pencils for many years, and to our knowledge not a single pencil has been returned to us as unsatisfactory. Include one with your order.

Price: 60c per pencil, 3 for \$1.50, prepaid.

### F. S. & N. CO'S. CATTLE COMFORT

A disinfectant dust to rid cattle of lice and other parasites so troublesome during the long winter months.

Cattle Comfort is easily applied—simply perforate top of container with a small nail, and dust along the spine and rump—brushing in the powder against the hair to reach the skin. It will soon relieve restlessness and irritability caused by parasites.

Cattle Comfort will keep your stock sanitary, contented and increase the flow of milk in cows. It is harmless when applied as directed and will repay you tenfold.

Sold with a money-back guarantee if not satisfactory. Keep a supply on hand and use it weekly.

Price: 1-lb. container 60c, 3 lbs. for \$1.50, prepaid.

### SAVE YOUR TREES AT SMALL COST

Be Your Own Tree Surgeon With "43"

"43" is a scientifically prepared plastic compound that makes easy the problem of tree surgery for anyone. No experienced tree surgeon is needed. It is ready for instant use in repairing damage, healing a wound and keeping out disease. It contains 18 ingredients beneficial to trees, medical oils to heal wounds and non-injurious acids to destroy fungi, insects and worms. Every tree lover should have a can of "43" on hand, the scientific healing filler for cavities. It does not shrink but is light in weight, elastic and waterproof. Full instructions with each package.

Price: 1 lb. 35c prepaid, 2½ lbs. 80c prepaid, 5 lbs. \$1.50 prepaid.

### DAYTON TREE PROTECTOR

Protect your trees from rabbits. No need of costly wrapping or wire screening to protect the trees from rats, mice, squirrels, and all gnawing animals—from boring insects—and from sunburn.

The cost is less than 1 cent per tree. More than 3 years actual use has proved the efficiency of Tree Saver. Easily applied by brush or spray. A tough rubbery coating protects wounds and resists the rays of the sun.

Price: One pint, sufficient for 50 small trees, 40c, prepaid. One qt. 80c, prepaid. One gallon \$2.50, prepaid.

### HOME THERMOMETER

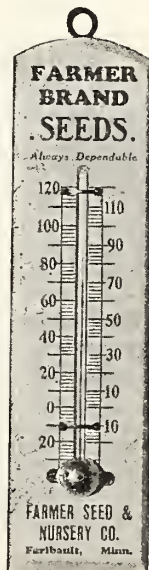
Let this tested thermometer help keep your home comfortable, or keep a check with it on the temperature of the barn or out of doors. There is nothing more useful than a good thermometer and thousands of "Farmer Brand" thermometers are now in use.

Price: 25c, prepaid.

### IDEAL WEEDER

Indispensable for all garden work. Just the thing for close work around delicate plants. Most practical weeder on the market.

Price: 25c, postpaid.



### "SURE-CATCH" POCKET GOPHER TRAP

Few farmers realize the losses caused by pocket gophers. Most counties pay bounties to check these farm robbers, but only recently has a trap been brought out that will really get a pocket gopher nine times out of ten. This trap is so simple and effective that the manufacturers back it with an unlimited guarantee to do the work, or you return the trap and get your money back.

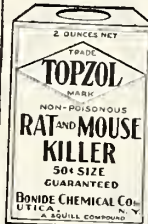
The "Sure-catch" Trap is a little over 9 inches long. Is easy to set—perfectly harmless to handle and fits into the gopher hole, half length. The trap is not covered and the gopher from within trips the trigger as he attempts to cover up the hole. Boys and girls make good money trapping pocket gophers, at a small fee from farmers and collecting bounty besides. Price, with full instructions—\$1.00 each, 6 for \$4.75, prepaid.



Part of 104 Pocket Gophers caught in one night near Castle Rock, Minn.

BOYS AND GIRLS! MAKE MONEY TRAPPING POCKET GOPHERS. GET OUR PRICE TO AGENTS ON THESE TRAPS.

### TOPZOL NON-POISONOUS EXTERMINATOR OF RATS AND MICE



Here is a new exterminator that is non-poisonous to humans, domestic animals, poultry, dogs or cats, but will kill rats and mice quickly. Topzol drives them out of doors to die. Numerous materials and contrivances have been designed for the destruction of rats and mice, but few of them have proven to be of outstanding usefulness. There is always a danger of livestock, poultry, pet dogs or cats being exterminated when deadly rat poison is used. Now this danger is done away with. Topzol can be used safely around the home, barns, poultry house, or any rat or mouse infested building.

Rats and mice eat it readily and it is easily prepared—mixing with butter, ground feed or cereals. Full directions with each package. Topzol is guaranteed to kill rats and mice and nothing else. Use according to directions and purchase price will be refunded if it fails.

Price: 2-oz. package 55c, prepaid. Not prepaid, 50c.

### ANTS DESTROYED IN THEIR NESTS

The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet eating ants. It is composed of small glass containers and a special formula of syrup. The containers are partially filled with syrup, and placed about the outside edges of the house or along "ant" trails in the garden if the infestation occurs there. The ants smell the syrup, eat it and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed!

The complete system should cover every 15 feet around the outside of the house or "ant" trails in the garden.

Prices: Antrol sets containing 4 containers and 1 4-oz. bottle of syrup \$1.00, prepaid.

### VELVET WATER SOFTENER AND CLEANER

Will clean dishes, sinks, cans, pots, pans, glass, metal and wood without injury to the article. Just the thing to keep the milk house sanitary. Only five ounces of Velvet per gallon of water is required. An ounce consists of four tablespoonfuls or eight teaspoonfuls. Very inexpensive to use.

Perhaps its greatest use is in providing soft water when the cistern goes dry. For a fifty barrel cistern, get a six-pound package of Velvet—mix it in a pail of water—then gradually pour the mixture into the cistern after having filled it with hard water, and you will never miss rain water. For smaller quantities, use 2 to 6 oz. of Velvet per 100 gallons water, depending upon degree of hardness.

Price: 3-lb. carton, 45c, 6-lb. carton, 75c, prepaid.



Safeguarding Your Health with

Seeds Are Actual Size

BLOND PSYLLIUM OVATA

Your health is of greatest importance; however, few people realize what a certain seed may mean to personal health and happiness.

Recently there has been discovered in far off India a remarkable new laxative—not a drug or medicine, but a marvelous little seed known as **Blond Psyllium Ovata** which has proven a phenomenon as a natural aid in the treatment of constipation.

It is absolutely safe, harmless and non-habit forming. These little seeds which look like tiny grains of wheat, owe their special value to their ability to supply both bulk and lubrication needed for efficient bowel action.

The action of Blond Psyllium is wholly according to nature's laws. When immersed in water the seeds swell to many times their normal size, and in this way produce essential bulk. They also give off a gelatinous oil which produces mild and efficient intestinal lubrication. In one treatment they combine at very low cost, all the advantages of Bran, Agar and Mineral Oil. The little seeds are taken with the meal as an accessory food in the diet. Leading stomach specialists recommend them.

Don't let constipation, which is simply another name for faulty elimination, destroy your vitality and lessen your joy of living.

We have such confidence in this remarkable seed remedy that we offer you a week's trial on approval. If you do not find Blond Psyllium to do everything that is claimed for it, return the unused portion at our expense and there will be no charge for what you have used in making the test.

We know when you have once discovered the value of this little seed that you will want to keep it on hand and tell your friends about it. We received an importation only a short while ago and the demand is growing by leaps and bounds. We want you to try at least a one-pound package. Later, it will be economy for you to buy it in bulk in a five-pound family size tin.

We will gladly send free a booklet, entitled, "What a Noted Authority Has to Say Regarding Blond Psyllium Ovata, in the Treatment of Constipation." Send for this at once. Remember—if this does not do what we claim for it, get your money back and no charge for the trial.

Price: 1 lb. prepaid, \$1.00. 5 lbs., sufficient for two months' treatment, \$3.85. Prepaid.

PARKELP—THE SEA VIGOR

"Parkelp" is selected pure vegetable life from the sea—nothing else added. It is Nature's balancer of human food and provides for the human body all of the minerals needed that are not present in sufficient quantities in our land grown food products.

Sea plants are rich in all the life essentials, particularly food minerals, which are often lacking in our soil.

"Parkelp" is not a medicine but pure vegetable life, carefully hydrated and grown by special process.

One of the most important minerals is food iodine (organic). Everyone knows the lack of iodine causes goiter. Insufficiency of vegetable food, iodine and other food minerals, may also be the indirect cause of dullness in children, underweight, eczema, low vitality and many afflictions in the adult, such as lowered vigor, abnormal appetite, common skin trouble, constipation, etc.

"Parkelp" has many uses. Many enjoy "Parkelp" sprinkled generously on hot soups—this brings out the full refreshing seaside tang. Others prefer it on bread and butter; to replace seasoning, on meats and vegetable dishes, or to dress up salads. Circular free.

Individual size package, enough to balance ninety meals, \$1.00 prepaid. Family package, more than twice as large, \$2.00 prepaid.

PROTECT POULTRY AGAINST ROUP, COLDS, ETC.

One treatment with Hen-O-Mist and Hen-O-Fume brings relief to a whole flock at once. Penetrating fumes from these remedies quickly clear up the worst cases. Very easy to use. Results guaranteed.

Money hack if Hen-O-Mist and Hen-O-Fume inhalant don't do the work. We suggest using combination treatment—one large can of each, for \$1.50, or either remedy separately for 75c, prepaid. Send your order NOW, and be ready if roup, colds or bronchitis break out in your flocks.

Hen-O-Fume is also an ideal remedy for treating flu or pneumonia in hogs.



POTTERY BIRD BATH

THE ONE ESSENTIAL FIXTURE TO SET OFF ANY GARDEN LAWN OR OUTDOOR LIVING ROOM.

Is very artistic—beautiful brown color; Size 24 inches high, 17 1/2 inches diameter. Made of highest grade vitreous pottery. Absolutely weather and frost proof.

No garden is complete without a bird bath and here is one you may well be proud of and at a very nominal price. Approximate weight, 40 lbs.

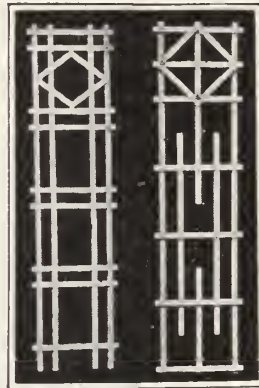
Shipped direct from factory in Illinois. Individually crated. Safe Delivery Guaranteed.

Price: \$3.90 f. o. b. Factory.

ASK FOR SPECIAL CIRCULAR OF GARDEN FURNITURE



ARTISTIC GARDEN TRELLIS



No. 1012. No. 1024.

Made of clear white pine and Douglas fir. Free from knots and defects, thoroughly seasoned. All items are shipped knocked down (K. D.), or taken apart, and are not painted. They are easily set up; all pieces cut to exact size, with full directions, nails or screws furnished. All prices f. o. b. Faribault.

Trellis No. 1012. A double lattice surmounted by a diamond makes this an outstanding piece. It is 8 ft. high, 2 ft. wide. Has four vertical pieces 3/4 in. by 1 1/2 in. Diamonds and cross pieces are 3/8 in. by 1 1/2 in. Price: K. D., unpainted, \$1.75. Weight, 9 lbs.

Trellis No. 1024. Unique design, 8 ft. high, 24 in. wide. Five vertical pieces 3/4 in. by 1 1/2 in. Balance 3/8 in. by 1 1/2 in. Price: K. D., unpainted, \$1.25. Weight, 10 lbs.

FLOWER AND GARDEN STAKES

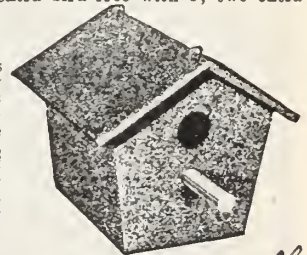


Life-size birds cut from non-warping wood and finished in natural colors. They attract song birds and are useful supports for flowers, vines or vegetables. They are mounted on green stakes; your choice of 1, 2, or 3 ft. lengths. May also be had unmounted. You will find them novel and interesting.

Price: Each, mounted on stakes, 50c. Birds only, unmounted, for placing on trellis, 40c each. Allow 5c each for postage or extra for six, 35c postage for 12. One extra bird free with 6; two extra with 12 ordered.

IDEAL WREN HOUSE

This beautiful Bird House is made of wood and completely covered with genuine pearl chips of a dark green color. Very attractive. Has two staples at the top, with small nickel plated chain, so it may be hung easily. One of the most attractive and inexpensive bird houses on the market. Comes packed in individual cartons. Price: 45c, prepaid.



THREE PIECE FLORAL SET

True Temper quality—well constructed to combine strength and light weight. Long Handled Hoe, Garden Rake and Garden Spade. Very practical for working around the small garden, flower beds, shrubbery, etc. Weight, 6 lbs.

Price per set, 3 pieces, \$2.30, prepaid to 3rd zone.

SPECIAL—SMALL GARDEN SHOVEL, LADIES SIZE. Polished Blade, 9 ins. long, 7 ins. wide. True Temper Steel. Price \$1.45, prepaid.





BOOKS FOR GARDEN AND FLOWER LOVERS

AUDELS GARDENERS AND GROWERS GUIDE—4 volumes, 1,700 pages, hundreds of illustrations. A Treasure Store of Success Secrets. Tells how to prepare the soil, how to plant, grow and improve vegetables, fruits and flowers. Flexible art binding, \$5.35.

AUDELS FLOWER EDUCATOR—600 pages, hundreds of illustrations. Gives successful directions for planting and growing Annuals, Perennials, Bulbs, Shrubs and Fine Lawns. Invaluable to every gardener. Flexible art binding, \$1.50, prepaid.

FREE BOOK TO CUSTOMERS "MAKE THE GARDEN PAY."—It tells in a condensed form all you should know in order to get the most out of your garden. It is written by experts—contains 80 pages and is fully illustrated.

This book free with a \$1.00 order for vegetable or flower seeds, or with a \$2.00 order for farm seeds. Be sure to ask for it.

ROCK GARDENS, by F. F. Rockwell. Shows how to build a rock garden on a small or large scale, at little expense, and tells what to plant for best effect. 31 illustrations, 86 pages, \$1.00, prepaid.

SHRUBS, by F. F. Rockwell. Complete information on best ways of improving the home with shrubs. Tells how to plant, water, mulch, and care for shrubs. 49 illustrations, 76 pages, \$1.00, prepaid.

THE GARDENER, by L. H. Bailey. Tells how to grow flowers, vegetables and fruits, from time of planting through to maturity. Information that is easy to find and simple to use. 116 illustrations, 260 pages. \$2.00, prepaid.

GENERAL INDEX

Table listing various plants and garden items with page numbers. Includes sections for A (Achillea, Aconitum, etc.), B (Baby's Breath, Bachelor's Button, etc.), C (Cabbage Seed and Plants, Cactus, etc.), D (Dahlia Bulbs, Daisy, etc.), E (Egg Plant, Elder, etc.), F (Farm Seeds, Ferns, etc.), G (Gaillardia, Garden Books, etc.), H (Hardy Pinks, Hedge Plants, etc.), I (Implements, Inoculating Bacteria, etc.), J (Jerusalem Cherry, Job's Tears), K (Kaffir Corn, Kale, etc.), L (Labels, Landscape Plans, etc.), M (Madeira Vine, Mangels, etc.), N (Narcissus, Nasturtium, etc.), O (Oats, Okra, etc.), P (Pansy Seed and Plants, Paper Pots, etc.), Q (Quercus), R (Radish, Rape, etc.), S (Sacco Plant Food, Sack Holder, etc.), T (Thermometer, Thyme, etc.), U (Urns), V (Vegetable Plants, etc.), W (Wallflower, Water Cress, etc.), X, Y, Z (Xanthoxylum, Yucca, Zinnia).



# The Best Gardeners Select These Money-Makers



83—Early Winesap Beets.

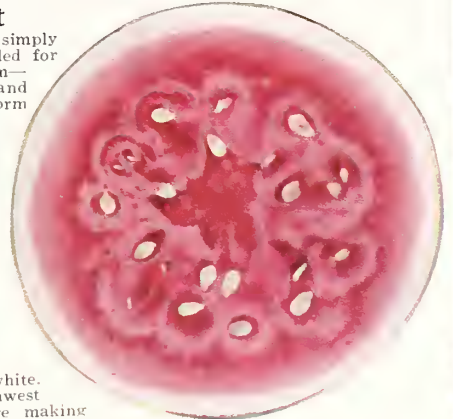
## 83—Early Winesap Beet

A superior strain—outselling all others simply because it is a real quality Beet, unequalled for family use or for market. Size is uniform—has a beautiful dark red color, is tender and of delicious flavor. For earliness and uniform size and quality it cannot be surpassed. Light green foliage makes it also desirable for beet greens. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00, prepaid. See page 5.

## 371—Early Round Light Icing Watermelon

An extremely early Melon producing remarkable crops—fruit is of medium size, nearly round, slightly veined or dotted with light green. Flesh is light red, sweet and crisp. Seeds are white. Especially adapted for the Northwest

where seasons are short. Gardeners are making real money with this Melon. Pkt., 5c; oz., 10c; ¼ lb., 35c; ½ lb., 60c; lb., \$1.00, prepaid. See page 13.



371—Early Round Light Icing Watermelon.

You can always depend on "Sure Crop" Seeds for results.



228—Extra Early Golden Gem.



357—New Sugar Rock Muskmelon.

## 357—New Sugar Rock Muskmelon

Gardeners who tried new Sugar Rock the first time last season were delighted and will increase their acreage. For real quality it cannot be surpassed. It truly is as sweet as sugar, and solid as a rock. Easy to grow and a heavy yielder—producing as high as 5 to 7 fruits per vine. A midseason yellow-fleshed variety that has created a sensation everywhere. If you appreciate quality, here it is. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00, prepaid. See page 12.

## 272—The "Vaughan" Cucumber

Gardeners say this new Cucumber will displace all other long White Spine varieties. Its uniform, long, slender shape—its dark green color and excellent table quality make it an outstanding variety. The meat is white, firm and crisp. Size of Cucumber, 10 to 12 inches long—always straight and slender. A Cucumber that will sell on sight in any market. See page 10. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., \$3.00, prepaid.

OUR STANDARD VARIETIES OF GARDEN AND FLOWER SEEDS ARE SOLD BY ALL LEADING DEALERS.

## 228—Extra Early Golden Gem Sweet Corn

The newest origination from the North Dakota Agricultural College. The very earliest Sweet Corn so far introduced. Two weeks earlier than Early Sunshine, which already is two weeks earlier than its grandparent, Golden Bantam. Stalks stand 4 feet high, produce an average size ear—8 rows of fine quality yellow Sweet Corn. Seed supply is still limited—order early. Pkt., 10c; ¼ lb., 15c; ½ lb., 25c; lb., 45c, prepaid. See page 22.



272—The Vaughan Cucumber.



The World's Greatest Strawberry

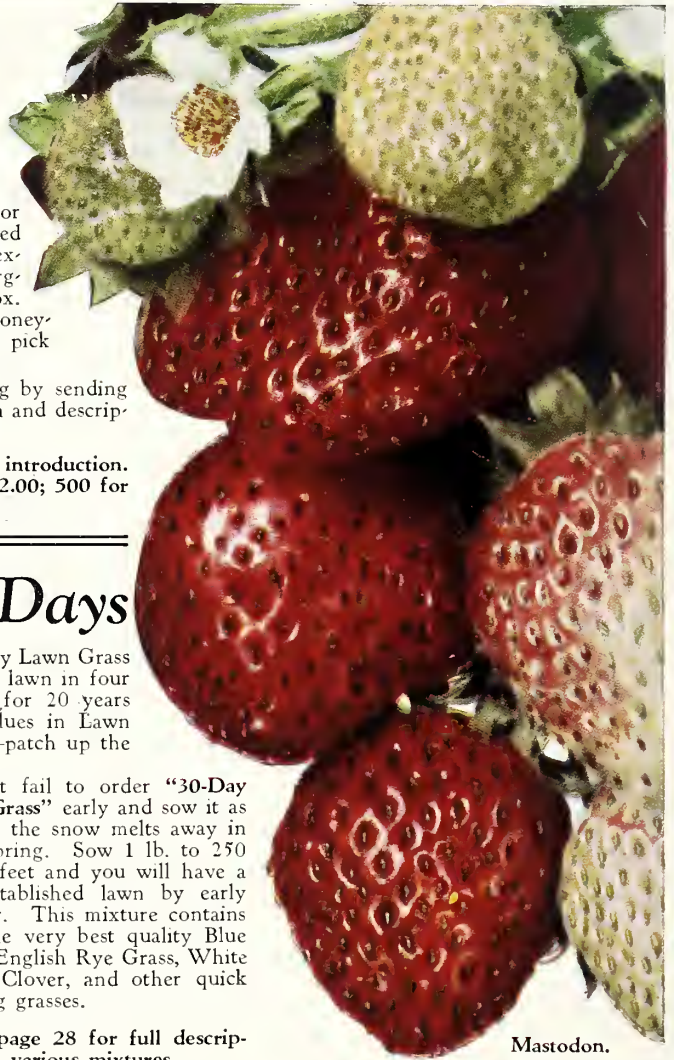
# Mastodon

Berries from June to Frost

We never seem able to supply the demand for Mastodon—hundreds of orders could not be filled last spring. Of course, there is a reason for this exceptional demand, for Mastodon is the world's largest Strawberry—15 to 20 berries fill a quart box. It is a good yielder, too; of fine flavor and a real money-maker. Best of all, it's everbearing—you may pick berries from early spring until snow flies.

Be sure to get your supply of plants this spring by sending your order early, and read page 30 for information and description of other varieties.

Mastodons are offered at lowest price since their introduction. Price: 25 plants for 65c; 50 for \$1.10; 100 for \$2.00; 500 for \$8.50; 1000 for \$16.00, prepaid.



Mastodon.

## A Fine Lawn in 30 Days

You will be surprised to watch this special 30-Day Lawn Grass pop out of the ground and produce a fine velvety lawn in four to five weeks under favorable conditions. Not for 20 years have we been able to offer such exceptional values in Lawn Grass, and now is the time to re-vamp the lawn—patch up the bare spots, or re-seed entirely.

Don't fail to order "30-Day Lawn Grass" early and sow it as soon as the snow melts away in early spring. Sow 1 lb. to 250 square feet and you will have a well established lawn by early summer. This mixture contains only the very best quality Blue Grass, English Rye Grass, White Dutch Clover, and other quick growing grasses.

See page 28 for full descriptions of various mixtures.

### Special Offer

#### 30-Day Lawn Grass

- 1 lb. .... \$0.35, ppd.
- 5 lbs. .... \$1.50, ppd.
- 10 lbs. .... \$2.75, ppd.
- 25 lbs. .... 6.25, ppd.

**Free**

A packet of "Nu-Life" Plant Food with a five-pound order if requested.

To maintain a beautiful lawn, regular feeding with a complete balanced Plant Food is necessary. SACCO produces quickest results and may be used for garden or lawn. Clean and odorless—economical to use. 2 to 4 lbs. per 100 sq. ft. Price: 5 lbs., 45c; 10 lbs., 80c; 25 lbs., \$1.60; 50 lbs., \$2.80; 100 lbs., \$4.75, f. o. b. Faribault. See page 79.



An Agreeable Surprise Awaits All Who Sow Our 30-Day Lawn Grass.