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BUREAU OF STANDARDS

George K. Burgess, Director

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LEGAL WEIGHTS (IN POUNDS)  
PER BUSHEL OF VARIOUS  
COMMODITIES

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# LEGAL WEIGHTS (IN POUNDS) PER BUSHEL OF VARIOUS COMMODITIES.

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## ABSTRACT.

This circular shows the weights per bushel of various commodities, as fixed by national legislation for customs purposes or by State legislation for the purpose of commerce within the State. Weights are given for about 165 commodities. The tables show wide differences in the weights of some commodities. In others more general agreement is had, and in a few complete uniformity obtains. There is a greater degree of uniformity in the weights of commodities at the present time than was formerly the case, and it may also be said that a larger number of States have discarded bushel weights and now require commodities to be sold by weight or numerical count. This circular contains also an account of the Winchester bushel, setting forth the manner in which it came to be recognized as the customary standard of the United States, the legal status of this measure, and its accepted dimensions. A short résumé is given of what is deemed to be the proper interpretations to be placed upon the State laws establishing weights per bushel, and a table has been included in the present edition giving an analysis of the degree of uniformity in weight existing in the cases of those commodities for which bushel weights have been generally established.

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## I. INTRODUCTION.

This circular shows the legal weights per bushel of various commodities, as fixed by national legislation for customs purposes, or by State legislation for purposes of commerce within the State. In many cases these weights differ considerably in the various States and in only a few instances, such as wheat, oats, and peas,

are the legal weights uniform throughout the entire country. It will be noticed that for some commodities, for instance, those which have, in the natural state, a husk or pod, the weights per bushel in the various States differ from one another by as much as 100 per cent. In these cases this wide discrepancy may be explained by the fact that it appears to be the practice in some States with regard to such commodities, to require that quantity for a bushel which when shelled, or husked and shelled (as the case may be), will make a struck bushel of the commodity, while in other States only that quantity in its natural state, with the husk or pod included, which will fill a bushel measure, is taken for a bushel.

The bushel in customary use in the United States is the Winchester bushel, containing 2,105.42 cubic inches. This measure is a heritage from colonial days, being the same measure that was in use in this country and in England at the time of the Declaration of Independence. It has been officially recognized by Congress by a joint resolution, approved June 14, 1836, which directed the Secretary of the Treasury "to cause a complete set of all weights and measures adopted [by that department] as standards and now either made or in the progress of manufacture for the use of the several customs houses, and for other purposes, to be delivered to the governor of each State in the Union," since among these weights and measures was a Winchester half bushel. It has been adopted as the standard in nearly all the States, since the States as a rule proceeded by acts of their legislatures to adopt as standards for use within the State the weights and measures which were furnished to them by the Government under the terms of the joint resolution mentioned above.

The dimensions of the Winchester bushel are sometimes of importance but these have never been defined by Congress, and on account of the fact that the actual standard furnished the States was a half bushel, we have no official measure from which the linear measurements can be determined. As a result we are obliged to seek the dimensions of the original standard from which ours was derived, since it seems probable that these still govern in the absence of any legislation to the contrary. We find that at the time of the Declaration of Independence a statute, passed in the first year of the reign of Queen Anne, in 1701, was in force, which read in part as follows:

That the measure, commonly called water measure, shall be round, and in diameter eighteen inches and an half within the hoop, and eight inches deep, and no more, and so in proportion for any greater or lesser measure; and that every measure, commonly called water measure, by which apples and pears are sold, shall be heaped as usually \* \* \*.

It appears that Winchester measure was at that time commonly called water measure, and hence the use of this term in the statute just quoted.

As is well known, some commodities are sold by struck measure and others by heaped measure. It is important to ascertain what amounts constitute the struck bushel and what the heaped bushel, and the kinds of commodities required to be sold by each. The former is represented by the United States standard (Winchester) bushel of 2,150.42 cubic inches, filled level full, and is used for the measurement of various kinds of grain and commodities of similar size, as well as dried beans, peas, berries, etc. The quantity represented by the heaped bushel has never been fixed by national legislation. A number of the States, however, have required that some commodities be sold by heaped measure and have described the manner in which the measure should be filled one of two phraseologies being usually employed in the statutes, namely, "heaped in the form of a cone, the outside of the measure to be the base of the cone, and such cone to be as high as the article will admit," or "heaped as high as may be without special effort or design." General custom, too, dictates this manner of filling the measure in the case of these commodities. Also in a few States the number of cubic inches required to constitute a heaped bushel of one or two specified commodities has been fixed, but these enactments are not uniform one with another.

We find only one decision in the courts which specifies the size of the heaped bushel and this decision is of very great interest. The case in question was decided by the Court of Customs Appeals in February, 1912, and was based upon a dispute as to what constituted a "bushel" of apples under the terms of a tariff law which assessed the duty in terms of "bushels" without descriptive words or without specifying any weight per bushel. The court held that it should be considered that a heaped bushel was referred to since both by custom and by the old English statute quoted above apples have always been required to be so sold; and then after an examination of authorities, decided that a heaped bushel contained 2,747,715 cubic inches. This figure is derived by adding to the volume of a struck bushel the volume

of a cone having a base diameter of  $19\frac{1}{2}$  inches and a height of 6 inches. The  $19\frac{1}{2}$ -inch base in the diameter of the Winchester bushel mentioned in the statute quoted above, measured from outside to outside of the measure. This figure makes the heaped bushel about 27.8 per cent larger than the struck bushel.

The heaped bushel is also commonly defined as 25 per cent larger than the struck bushel, a capacity of about 2,686 cubic inches. This calculation is based on a cone of the same height heaped upon the same bushel measure described above, but the cone is considered in this case to be heaped upon the area of the open top of the measure instead of the top including the sides, the diameter thus being  $18\frac{1}{2}$  instead of  $19\frac{1}{2}$  inches.

Heaped measure is to be used in measuring the more bulky commodities, such as apples, pears, plums, peaches, potatoes, onions, beets, carrots, turnips, etc.

It is at once apparent that the quantity which may be heaped upon a measure will depend very largely on the area of the top of the measure; and so it becomes important that there should be a standard diameter for each size of measure. While, as previously noted, this matter has never been determined by national legislation, nevertheless an attempt has been made toward securing a minimum diameter for measures in commercial use, and consequently the following minimum diameters of cylindrical dry measures of various capacities are approved by the Bureau of Standards, and have also been adopted by the Annual Conference on Weights and Measures:

	Minimum diameter in inches.
$\frac{1}{2}$ bushel.....	13 $\frac{3}{4}$
1 peck.....	10 $\frac{7}{8}$
$\frac{1}{2}$ peck.....	8 $\frac{1}{2}$
2 quarts.....	6 $\frac{5}{8}$
1 quart.....	5 $\frac{3}{8}$
1 pint.....	4

Another factor of importance in buying commodities for which bushel weights have been established is the knowledge of whether one may demand, under the laws of any particular State, the weight specified in the law, regardless of whether the commodities are sold by weight or measure. This depends on the phraseology used in the statute in question, and as to this there is no general uniformity throughout the States. The question is often one of interpretation, and it is rendered more difficult by the fact that few cases are to be found in which the courts have passed upon these

laws. However, information is given below as to what is believed to be the force and effect of the statutes.

(a) STATES REQUIRING SALES BY WEIGHT.—Some States have laws requiring that all dry commodities be sold by weight, while others require that those for which a legal weight has been established be so sold. In the latter class when a unit of dry measure is called for, this must be determined by weight in accordance with the standard schedule of weight per bushel. In some of these States a special contract may be made by the parties, specifying some other method of sale.

The list of States follows: Florida, Idaho, Indiana, Iowa, Kansas, Massachusetts, Michigan, Nebraska, Nevada, Ohio, Oregon, South Dakota, Utah, Wisconsin, and the District of Columbia.

In these States purchasers may demand that all orders be actually weighed before delivery, and that full weight as specified in the State law be delivered. It is desirable for purchasers to check the deliveries by weight and compare them with the standard legal weights.

(b) STATES REQUIRING DEFINITE WEIGHTS.—In the second class may be grouped a number of States having statutes similar to each other in wording and apparently similar in legal effect. These statutes read somewhat as follows: "The bushel shall consist of or will mean, a stated weight," sometimes with the qualification, "When sold by the bushel." This list includes: California, Delaware, Illinois,<sup>1</sup> Kentucky, Minnesota, Missouri, Montana, New Hampshire, New Jersey, New Mexico, New York, North Dakota, Oklahoma, Pennsylvania, South Carolina, Tennessee, Texas, Vermont, West Virginia, and Wyoming, and the Territory of Hawaii.

In these cases it appears to be the clear intent of the legislatures that the weights stated in the laws should be delivered by the dealers, whether the commodities in question are actually weighed or whether they are measured. Therefore, although the purchaser has no legal right to demand that the commodities be weighed by the dealer before delivery, it appears to be perfectly proper to check delivery by weight and to demand that the legal weight be delivered in all cases. As in the first group, some of these States allow the statute to be superseded by special agreement and, therefore, the purchaser should be careful to refrain from any action from which such agreement might be inferred.

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<sup>1</sup> In some of the cities of Illinois, notably Chicago, the conditions given under the first class of States obtain, on account of city ordinances to that effect.

(c) STATES ESTABLISHING LEGAL OR STANDARD WEIGHTS.—The next group are those States which establish a legal or standard weight per bushel, usually without a provision for a special agreement clause: Alabama, Arkansas, Colorado, Connecticut, Georgia, Louisiana, Maine, Maryland, and Rhode Island.

This list is shown separately from that immediately preceding on account of the distinctive wording of the laws. The meaning is not essentially different and therefore the checking should be done in the same way as is suggested there.

(d) STATES REQUIRING DEFINITE WEIGHTS FOR SALES BY WEIGHT.—The States in the next list establish a legal weight for various commodities, but specifically limit it to apply to cases where the sale is actually made upon a basis of weight: Mississippi, North Carolina, and Virginia.

In these States if the purchaser has not demanded that the transaction be upon a weight basis, the purchase must be checked by the use of dry measures.

(e) STATES NOT REGULATING THIS MATTER.—The States of Arizona and Washington have no laws establishing standard weights per bushel or requiring sales of dry commodities by weight.

While dry measures appear to be legal in these States, the usual practice is to sell dry commodities by weight and therefore they will usually be checked by weight.

(f) CHECKING DRY COMMODITIES BY DRY MEASURES.—In States of all the above classes if a legal weight for any dry commodity is not established and it is not provided that dry commodities be sold by weight only, the checking must be done by dry measures.

(g) INTERPRETATION OF STATE LAWS.—A legal question is presented whether many of the above laws require for fractional parts of the bushel, such as pecks, quarts, etc., the same fractional parts of the legal weight established. However, a reasonable view of the matter would be that such was the intention of the law. Therefore, when a peck, quart, or other fractional part of a bushel is purchased, the weight calculated by taking the same fractional part of the legal weight per bushel may be used for checking purposes.

In regard to weights per bushel in general, it should be remembered that on account of the variations in the densities of commodities in different localities and in different seasons it is im-



possible to fix with any degree of certainty the weight of a given volume, and in any event the best figure that could be obtained for any commodity would be the average of all localities for a number of years. This figure is only an approximate one, and it may vary considerably from the true weight of a bushel of the commodity at the time of any transaction. Therefore it is important that it be distinctly understood whether a bushel by volume or a bushel by weight is the amount intended to be delivered or received. Since amounts determined by weight are much more nearly accurate than similar amounts attempted to be determined by measure, transactions upon a basis of weight are much to be preferred to those upon a basis of measure, and therefore it is recommended that in so far as possible all purchases and sales be made by weight, as is now the practice in many localities.

Attention is called to the fact that dry commodities have in some localities not infrequently been sold by liquid measure instead of dry measure. This should be guarded against, since a given liquid measure is about 14 per cent smaller than the corresponding dry measure.

It does not appear to be generally known, and the fact may be of sufficient interest to justify a statement in this place, that the British imperial bushel is about 3 per cent larger than the United States standard bushel. The former contains 2,219.36 cubic inches, and is defined as the volume of 80 pounds of pure water, at 62° F., when weighed against brass weights in air at a pressure of 30 inches of mercury; while the latter measure, as before stated, contains 2,150.42 cubic inches.

The following tables cover all available legislation in relation to weights per bushel up to and including the 1921-22 legislative term, and also changes made in 1923 for the States of Pennsylvania, South Carolina, and West Virginia.

## II. COMMODITIES FOR WHICH BUSHEL WEIGHTS HAVE BEEN ESTABLISHED IN NOT MORE THAN THREE STATES.

BEGGARWEED SEED, 62 pounds (Florida).

BLUEBERRIES, 42 pounds (Maine).

BUTTERNUTS, dried, 28 pounds (Vermont).

CANE SEED, 50 pounds (Kansas and South Carolina).

CANTALOUPE MELON, 50 pounds (North Carolina, South Carolina, and Tennessee).

CHUFAS, 54 pounds (Florida).

COWPEAS, 60 pounds (Indiana, Maryland, and Virginia).

CULM, 80 pounds (Maryland).

FEED, 50 pounds (Maine).

FETERITA, 56 pounds (Kansas).

GRASS SEED:<sup>2</sup>

All meadow and fescue except tall, 14 pounds (North Carolina).

Bermuda, 40 pounds (New Mexico and Oklahoma); 14 pounds (North Carolina).

Italian rye, 20 pounds (North Carolina, South Carolina, and Tennessee).

Johnson, 28 pounds (Arkansas); 25 pounds (North Carolina).

Perennial rye, 14 pounds (North Carolina).

Rye, 22 pounds (Nebraska).

Sudan, 40 pounds (Kansas); No. 1, 32 pounds, No. 2, 30 pounds, No. 3, 28 pounds (Texas).

Tall meadow and tall fescue, 24 pounds (North Carolina).

Velvet, 7 pounds (North Carolina, South Carolina, and Tennessee).

GUAVAS, 54 pounds (Florida).

INDIA WHEAT, 46 pounds (Vermont). (This is a species of buckwheat.)

LAND PLASTER, 100 pounds (North Carolina, South Carolina, and Tennessee).

LENTILS, 60 pounds (Pennsylvania).

MANGELWURZEL, 60 pounds (Connecticut and Maine).

MEAL, except oatmeal, 50 pounds (Maine).

MIDLINGS, coarse, 30 pounds (Indiana).

MILO MAIZE, 56 pounds (Kansas), 50 pounds (Texas).

MUSTARD SEED, 58 pounds (North Carolina).

PARSLEY, 8 pounds (Maine, New Hampshire, and Vermont).

PEACH SEED, 50 pounds (North Carolina).

PEAS, black-eye and other cowpeas, 60 pounds (Virginia).

PIEPLANT (see under rhubarb in following table).

RADISH SEED, 50 pounds (Iowa and South Dakota).

ROOT CROPS (not otherwise specified), 50 pounds (Iowa, Nebraska, and South Dakota).

SAGE, 4 pounds (North Carolina, South Carolina, and Tennessee).

SALADS, (mustard, spinach, kale, and turnips), 10 pounds (North Carolina); 12 pounds (South Carolina); and 30 pounds (Tennessee).

SUNFLOWER SEED, 24 pounds (North Carolina).

TEOSINTE, 59 pounds (North Carolina).

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<sup>2</sup> Other kinds of grass seed than those given here will be found under their specific names on pp. 9-16.

III. COMMODITIES FOR WHICH BUSHEL WEIGHTS HAVE BEEN ESTABLISHED IN MORE THAN THREE STATES.

	Alfalfa seed.	Apples.			Barley.	Beans.										Beet greens.	Beets.	
		Apples. <sup>1</sup>	Dried.	Apple seeds.		Beans. <sup>1</sup>	Castor.	Green (un-shelled).	Green or string.	Lima.	Miscellaneous varieties.	Scarlet or white runner pole.	Shell.	Soy.				
Federal States.....		<sup>2</sup> 50			48													
Alabama.....			24		47	60												
Arizona.....																		
Arkansas.....		<sup>3</sup> 50	24		48	<sup>4</sup> 60												
California.....						50												
Colorado.....					48	60												
Connecticut.....		48	25		48	60												<sup>5</sup> 60
Delaware.....																		
District of Columbia.....																		
Florida.....		<sup>3</sup> 48	24		48	<sup>6</sup> 60	<sup>6</sup> 48					7 78						
Georgia.....			24		47	<sup>4</sup> 60												
Hawaii.....					48													
Idaho.....	60	<sup>3</sup> 48	24		48	60	46											56
Illinois.....	60	<sup>3</sup> 47	24		48	<sup>4</sup> 60	46		24			<sup>8</sup> 24						60
Indiana.....	60	48	25		48	60										60		60
Iowa.....	60	48	24		48	<sup>9</sup> 60	<sup>6</sup> 50	56		56								56
Kansas.....	60	48	24		48	60	46	38										56
Kentucky.....			24		47	<sup>4</sup> 60	45											
Louisiana.....					32													
Maine.....	60	44	25		48	60			24	56	<sup>10</sup> 47	50	28	58		12	<sup>11</sup> 60	
Maryland.....	60	<sup>3</sup> 50	28		48	<sup>9</sup> 60	<sup>12</sup> 50											
Massachusetts.....																		
Michigan.....		48	22		48	60	46											
Minnesota.....	60	<sup>3</sup> 50	28		48	60				56	<sup>10</sup> 47	50					50	
Mississippi.....			26		48	<sup>4</sup> 60	46											
Missouri.....		48	24		48	60	46	56										
Montana.....		45			48	60												50
Nebraska.....	60	<sup>3</sup> 48	24		48	<sup>9</sup> 60	<sup>6</sup> 50	56		56								56
Nevada.....	60	<sup>3</sup> 48	24		48	60	46											56
New Hampshire.....		48	25		48	<sup>4</sup> 60			24						58	12		60
New Jersey.....	60	48	25		48	60	46		24	56	<sup>8</sup> 24		28			12	60	
New Mexico.....	60	45	24		48	60	46											56
New York.....			25		48	60												
North Carolina.....	60		24	40	48	<sup>9</sup> 60	46								60			50
North Dakota.....	60	50	28		48	60				55	<sup>9</sup> 47	<sup>10</sup> 50					60	
Ohio.....		48	24		48	60												56
Oklahoma.....	60	48	24		48	60	46											60
Oregon.....																		
Pennsylvania.....	60	48	25		48	<sup>9</sup> 60	<sup>6</sup> 46											56
Rhode Island.....		48	25	40	48	60	46											50
South Carolina.....		<sup>3</sup> 50	24	40	48	<sup>9</sup> 60	46	30										50
South Dakota.....	60	48	24		48	<sup>9</sup> 60	<sup>6</sup> 50	50		<sup>9</sup> 56							56	
Tennessee.....		<sup>3</sup> 50	24	40	48	<sup>9</sup> 60	46	30										50
Texas.....	60	<sup>3</sup> 50	28		48	<sup>4</sup> 60	46		24			<sup>8</sup> 24						60
Utah.....																		
Vermont.....	60	48	25		48	60		28	24						58	12		60
Virginia.....	60	45	28		48	<sup>14</sup> 60	46							<sup>14</sup> 60				
Washington.....																		
West Virginia.....	60	<sup>3</sup> 48	24	40	48	<sup>15</sup> 60	46	38	24	56		<sup>16</sup> 50		58			56	
Wisconsin.....	60	44	25		48	60	46			56								50
Wyoming.....		<sup>3</sup> 48			48	60	46											56

<sup>1</sup> Not defined, except as noted.

<sup>2</sup> Green or ripe.

<sup>3</sup> Green apples.

<sup>4</sup> White.

<sup>5</sup> Sugar and mangelwurzel.

<sup>6</sup> Shelled.

<sup>7</sup> Velvet in hull

<sup>8</sup> Wax.

<sup>9</sup> Dry or dried.

<sup>10</sup> Windsor (broad).

<sup>11</sup> Also sugar, turnip, and mangelwurzel.

<sup>12</sup> Called "castor beans or seed" in the law.

<sup>13</sup> White runner pole only.

<sup>14</sup> Navy and soja.

<sup>15</sup> Dried, shell.

<sup>16</sup> Scarlet runner pole only.

## III. Commodities for which bushel weights have been established in more than three States—Continued.

	Blackberries.	Blue-grass seed.	Blue-grass seed (English).	Bran.	Bromus Inermus.	Broom-corn seed.	Buckwheat.	Cabbage.	Canary seed.	Carrots.	Cement.	Charcoal.	Cherries.	Chestnuts.
Federal Statutes.....														
Alabama.....														
Arizona.....														
Arkansas.....		14		20		48	52							
California.....							40							
Colorado.....		14					52							
Connecticut.....				20			48			50		<sup>1</sup> 20		
Delaware.....												<sup>1</sup> 20		
District of Columbia.....														
Florida.....				20										
Georgia.....		14		<sup>2</sup> 20			52							
Hawaii.....														
Idaho.....		<sup>3</sup> 14	22	20			50			50				
Illinois.....		14		20		48	52			50		20		
Indiana.....		14		20			50			50		20		
Iowa.....		14		20	14	50	48			50		20	40	
Kansas.....		<sup>3</sup> 14	22			30	48			50			<sup>4</sup> 56	
Kentucky.....		14	14	20			56							
Louisiana.....														
Maine.....	40			20			48			50				
Maryland.....		14		20			48			50				
Massachusetts.....														
Michigan.....		14					48							
Minnesota.....		14				57	50			45				50
Mississippi.....		14		20			48							
Missouri.....		14		20			52			50				
Montana.....		14		20			52			50				
Nebraska.....		18		20	14	50	50			50		20	40	
Nevada.....		14	22	20			50			50				
New Hampshire.....				20			48			50				
New Jersey.....		<sup>3</sup> 14		20			48	50		50		20		50
New Mexico.....		14		20			52			50		80	20	
New York.....				20			48			50				
North Carolina.....		<sup>5</sup> 48		20			50	50	60	50		80	22	<sup>4</sup> 56
North Dakota.....		14		20	14	30	42			45				50
Ohio.....						45	50			50				
Oklahoma.....		14		20		48	52			50				
Oregon.....														
Pennsylvania.....		14		20		50	48	50		50	100	20	<sup>4</sup> 56	<sup>6</sup> 50
Rhode Island.....				20			48			50		20		
South Carolina.....		<sup>5</sup> 48	14	20		42	50	50	60	50	80	22	<sup>4</sup> 56	50
South Dakota.....		14			14	50	48			50				
Tennessee.....		<sup>5</sup> 48	14	20		42	50	50	60	50	80	22	<sup>4</sup> 56	50
Texas.....		14		20		48	52			50		22		
Utah.....														
Vermont.....							48			50		20		50
Virginia.....		14		20			48			50				57
Washington.....														
West Virginia.....	48	14	22	20		57	48	50	60	50	100	20	<sup>4</sup> 56	50
Wisconsin.....		14		20			50			50				
Wyoming.....										50				

<sup>1</sup> Commercially dry.<sup>2</sup> Wheat bran.<sup>3</sup> Native<sup>4</sup> With stems; without stems, 64 pounds.<sup>5</sup> Undefined; dried, 28 pounds.<sup>6</sup> Hulled.

III. Commodities for which bushel weights have been established in more than three States—Continued.

	Clover seed.	Coal.					Coke.	Corn, including Indian corn or maize.								
		Coal. <sup>1</sup>	Anthracte.	Bituminous.	Mineral.	Stone.		Cracked.	In the ear.	In the ear, unhusked.	Popcorn (in ear).	Popcorn (shelled).	Rice corn.	Shelled.	Sweet.	
Federal Statutes.....							56								2 56	
Alabama.....								70	75						56	
Arizona.....								70	74						56	
Arkansas.....	60														56	
California.....								70							52	
Colorado.....	60				80			70							56	
Connecticut.....	60		80												56	
Delaware.....															56	
District of Columbia.....															56	
Florida.....									70						56	
Georgia.....	60					80		70							56	
Hawaii.....															56	
Idaho.....	60							70						56		
Illinois.....	4 60	80					40	70		70	56			56		
Indiana.....	60				80		40	(5) 70		70	56			56		
Iowa.....	60	80					6 70	6 75		70	56			6 56		50
Kansas.....	60						8 70			70	56			56		
Kentucky.....	60		7 76	7 76		7 76	8 70							56		
Louisiana.....														56		
Maine.....	60							50						56		
Maryland.....	9 60	80						70						56		
Massachusetts.....																
Michigan.....	60				80			70						56		
Minnesota.....	60							70						56		48
Mississippi.....	60					80		72						56		
Missouri.....	60				80			70						56		
Montana.....	60				76									56		
Nebraska.....	60	80					40	10 70	6 75	70	56			6 56		50
Nevada.....	60							70						56		
New Hampshire.....	60						50							56		
New Jersey.....	60		75	76			40	50	70					56		
New Mexico.....	60				80		40	70	72	70	56			56		
New York.....	60													56		
North Carolina.....	11 60					80	40	8 70	74	12 70				56		
North Dakota.....	60					80		70						56		48
Ohio.....	60	18 70		80			40	68		42				56		14 45
Oklahoma.....	9 60				80			70	72					56		
Oregon.....																
Pennsylvania.....	60		75	76		80	40	8 70						56		
Rhode Island.....	60	80					40	70						56		
South Carolina.....	15 60					80	40	8 70	16 74		56			56		
South Dakota.....	60					80		70		70	56			56		50
Tennessee.....	15 60					80	40	6 70	16 74	12 70				56		
Texas.....	60		80			80	40	(5) 70		70	56			56		
Utah.....																
Vermont.....	60							8 70	72		2 56			56		
Virginia.....	60		80					70						56		
Washington.....																
West Virginia.....	60	80					40	50	17 68				18 56	56		50
Wisconsin.....	9 60													2 56		
Wyoming.....									70					56		

<sup>1</sup> Not defined, except as noted.

<sup>2</sup> Not stated whether shelled or unshelled, but presumed from the weight shown to be shelled.

<sup>3</sup> Husked.

<sup>4</sup> Clover seed, sweet, unhusked, 33 pounds.

<sup>5</sup> Corn in the ear in Indiana, 70 pounds until Dec. 1 next after grown; 68 pounds thereafter; in Texas, 70 pounds after Dec. 1 and 72 pounds for new crop before Dec. 1.

<sup>6</sup> Field corn.

<sup>7</sup> "Stone coal"; the term includes anthracite, cannel, bituminous, and other mined coal.

<sup>8</sup> Corn in the ear, 70 pounds from Nov. 1 to May 1 following, and from May 1 to Nov. 1 following, 68 pounds.

<sup>9</sup> Also alsike (or Swedish), 60 pounds.

<sup>10</sup> Field corn, husked.

<sup>11</sup> Red and white; clover burr (for seed in the burr), 8 pounds; German clover (also more commonly known as crimson clover), 60 pounds; Japan, lespedeza, in hulls, 25 pounds.

<sup>12</sup> Not stated whether in the ear or not, but from the weight shown it is presumed to be in the ear.

<sup>13</sup> Cannel coal.

<sup>14</sup> Shelled.

<sup>15</sup> Red and white.

<sup>16</sup> Corn, green, with shucks, 100 pounds per bushel.

<sup>17</sup> In ear, dry; in ear, green, 72 pounds.

<sup>18</sup> Shelled; unshelled, 45 pounds.

## III. Commodities for which bushel weights have been established in more than three States—Continued.

	Corn meal (including Indian meal).			Cotton seed.			Cranberries.	Cucumbers.	Currants.	Dandelions.	Emmer. <sup>2</sup>	Flaxseed (linseed).	Gooseberries.	Grapes.
	Corn meal. <sup>1</sup>	Bolted.	Unbolted.	Cotton seed. <sup>1</sup>	Sea island cotton seed.	Upland cotton seed.								
Federal Statutes.....												56		
Alabama.....		46	48	32										
Arizona.....														
Arkansas.....	48			33 <sup>3</sup>									56	
California.....														
Colorado.....	50													
Connecticut.....	50				44	30							55	
Delaware.....		44	48											
District of Columbia.....														
Florida.....	48			32	44									
Georgia.....		48	48	30									56	
Hawaii.....														
Idaho.....	48											56		
Illinois.....	48		48	32			33	48			40	56	40	
Indiana.....	50						33	48				56	40	
Iowa.....	48							48			40	56		<sup>3</sup> 40
Kansas.....								48			40	56		<sup>4</sup> 48
Kentucky.....	50										40	56		
Louisiana.....												56		
Maine.....	50				44	30	32		40	12		56		
Maryland.....	48											56		
Massachusetts.....														
Michigan.....	50						40					56		
Minnesota.....							36	48				56		
Mississippi.....	48	44	48	32								56		
Missouri.....	50			33				48				56		
Montana.....	50											56		
Nebraska.....	48							48			48	56		<sup>3</sup> 40
Nevada.....	48											56		
New Hampshire.....	50						32			12		56		
New Jersey.....	50				44	30	32	48	40	12		56	40	
New Mexico.....	50			32				48				56		
New York.....	50				44	30						55		
North Carolina.....				30	44			48				56	48	<sup>4</sup> 48
North Dakota.....							36	48				56		
Ohio.....	48											56		48
Oklahoma.....	50			32				48				56		
Oregon.....														
Pennsylvania.....	50						32	48	40			56	40	48
Rhode Island.....	50				44	30						56		
South Carolina.....		48	48	<sup>5</sup> 30			32	48	40			56	48	<sup>4</sup> 48
South Dakota.....	50							48				56		<sup>3</sup> 40
Tennessee.....		50	48	28				48				56	48	<sup>4</sup> 48
Texas.....	50		48	32			33	48				56	40	
Utah.....														
Vermont.....	50						32	48		12	40	55		
Virginia.....	48			30								56		
Washington.....														
West Virginia.....	48	46		32	44		36	<sup>6</sup> 50	40			56	40	<sup>7</sup> 60
Wisconsin.....	50				44	30	35	<sup>6</sup> 50				56		
Wyoming.....											45	56		

<sup>1</sup> Not defined.<sup>2</sup> See also "Spelt or speltz."<sup>3</sup> With stems.<sup>4</sup> With stems; without stems, 60 pounds.<sup>5</sup> Cotton seed, long staple 30 pounds.<sup>6</sup> Green.<sup>7</sup> With stems, 48 pounds.

III. Commodities for which bushel weights have been established in more than three States—Continued.

	Hair.			Hempseed.	Herds grass.	Hickory nuts.	Horniny.	Horse-radish.	Hungarian grass seed.	Kafir corn.	Kale.	Lime.			Millet.	
	Plastering. <sup>1</sup>	Plastering (unwashed).	Plastering (washed).									Lime. <sup>1</sup>	Slacked.	Malt.	Millet. <sup>1</sup>	Japanese barnyard.
Federal Statutes.....																
Alabama.....																
Arizona.....																
Arkansas.....															50	
California.....																
Colorado.....				44								80				
Connecticut.....					45							70				
Delaware.....																
District of Columbia.....																
Florida.....															50	
Georgia.....	8			44								<sup>2</sup> 80				
Hawaii.....																
Idaho.....		8	4	44				50	56			<sup>2</sup> 80		32	50	
Illinois.....		8	4	44		50		50	56			80		38	50	35
Indiana.....				44	45	50			56					<sup>3</sup> 35	50	
Iowa.....				44		<sup>4</sup> 50		50	56			80			50	
Kansas.....		8	4	44		50			56			<sup>2</sup> 80		38	<sup>5</sup> 50	
Kentucky.....	8			44				50				<sup>2</sup> 35			50	
Louisiana.....																
Maine.....	<sup>6</sup> 11			44	45			48		12		70			50	35
Maryland.....				44	45			50				80		734	<sup>8</sup> 50	
Massachusetts.....																
Michigan.....				44				50				70			50	
Minnesota.....		8	4	50		50		48				80			48	
Mississippi.....				44				50				<sup>2</sup> 80		38	50	
Missouri.....				44				48						38	50	
Montana.....				44				50				<sup>2</sup> 80		30		
Nebraska.....				44		<sup>4</sup> 50			56			80			50	
Nevada.....				48				50	56					32	50	
New Hampshire.....					45							70				35
New Jersey.....				44	45	50		50	56	12					50	
New Mexico.....				44				50	56			<sup>2</sup> 80			50	
New York.....					45							70				
North Carolina.....	8			44		<sup>9</sup> 50	62	50	48	10		<sup>2</sup> 80	40		50	
North Dakota.....		8	4	50		50		48				80			50	
Ohio.....				44		50	60	50	56			70		34	50	
Oklahoma.....				44				48	56			80		38	50	
Oregon.....																
Pennsylvania.....	8			44	45	50	60	50	56			80		38	50	
Rhode Island.....				44				50				70		38	50	
South Carolina.....	8			44		50	62	50	48	12		<sup>2</sup> 80	40		<sup>10</sup> 50	
South Dakota.....				44		<sup>4</sup> 50		50	56			80			50	
Tennessee.....	8			44		50	62	50	48		30	<sup>2</sup> 80	40		<sup>10</sup> 50	
Texas.....		8	4	44		50		48	50						50	35
Utah.....																
Vermont.....					45			50	56						50	
Virginia.....	8			44				48				<sup>2</sup> 80		38	50	
Washington.....																
West Virginia.....		8	4	44	45	50	60	50	56	15		<sup>2</sup> 70	40	34	50	35
Wisconsin.....	8			44		50		48				(11)		734	50	
Wyoming.....									56							

<sup>1</sup> Not defined, except as noted.

<sup>2</sup> Unslacked.

<sup>3</sup> Rye malt.

<sup>4</sup> Hulled.

<sup>5</sup> Hungarian.

<sup>6</sup> Well dried and cleaned, used in masonry.

<sup>7</sup> Barley malt.

<sup>8</sup> German and American.

<sup>9</sup> Without hulls.

<sup>10</sup> German, Missouri, and Tennessee.

<sup>11</sup> "Seventy pounds for a bushel of coarse salt or lime; 80 pounds for a bushel of unslacked lime."

## III. Commodities for which bushel weights have been established in more than three States—Continued.

	Oats.	Onions.			Orchard grass seed.	Osage orange seed.	Parsnips.	Peaches.				Peanuts.	Pears.	
		Onions. <sup>1</sup>	Bottom onion sets.	Top onion sets.				Peaches. <sup>1</sup>	Dried.	Dried (peeled).	Dried (unpeeled).		Pears. <sup>1</sup>	Dried.
Federal Statutes.....	<sup>2</sup> 32													
Alabama.....	32									38	33			
Arizona.....														
Arkansas.....	32	57			14				33					
California.....	32													
Colorado.....	32	57												
Connecticut.....	32	52				45			33					
Delaware.....														
District of Columbia.....														
Florida.....	32	56						<sup>8</sup> 54	24			22	55	
Georgia.....	32	57								38	33	<sup>4</sup> 25		
Hawaii.....	32													
Idaho.....	32	57				50	48	33					58	
Illinois.....	32	57	32	30	14	33	50	48	33			<sup>6</sup> 20	50	
Indiana.....	32	57			14		55	48	33				50	
Iowa.....	32	52	32	28	14	32	45	48	33				22	45
Kansas.....	32	55					48	48	33				50	
Kentucky.....	<sup>6</sup> 32	57	36		14				39				24	
Louisiana.....	32													
Maine.....	32	52			14		45	48	33			<sup>6</sup> 20	58	
Maryland.....	32	54			14			<sup>7</sup> 40		(?)	(?)			
Massachusetts.....														
Michigan.....	32	54			14	33			28					
Minnesota.....	32	52	32	28	14		42	48	28				22	45
Mississippi.....	32	57							33				24	
Missouri.....	32	57		28	14	36	44	48	33					48
Montana.....	32	57					50							45
Nebraska.....	32	57	32	28	14	32	50	48	33				22	45
Nevada.....	32	57					50	48	33					
New Hampshire.....	32	52					45	48	33			<sup>6</sup> 20	58	
New Jersey.....	32	57		28	14		50	48	33			<sup>6</sup> 20	58	
New Mexico.....	32	57	32	30	14		42	48	33				22	48
New York.....	32	57							33					
North Carolina.....	32	<sup>8</sup> 57	32	28	14	33	50	<sup>8</sup> 50	25			<sup>9</sup> 22	<sup>8</sup> 56	26
North Dakota.....	32	52	32	28	14		42		28				22	45
Ohio.....	32	56		<sup>10</sup> 28			50	48	33					
Oklahoma.....	32	57		28	14	36	44	48	33				22	48
Oregon.....														
Pennsylvania.....	32	50		<sup>10</sup> 28	14		50	48		38	33		22	50
Rhode Island.....	32	50					50	48	33					
South Carolina.....	32	<sup>9</sup> 56	32	28	14	33	50	<sup>9</sup> 50	25				23	<sup>9</sup> 36
South Dakota.....	32	52	32	30	14	32	48	48	33				20	45
Tennessee.....	32	<sup>9</sup> 56	32	28	14	33	50	<sup>9</sup> 50	26				23	<sup>9</sup> 56
Texas.....	32	57	32	30	14		50	50	28			<sup>11</sup> 20	58	
Utah.....														
Vermont.....	32	52					45	48				<sup>5</sup> 20	58	
Virginia.....	32	57			14		50			40	32	<sup>12</sup> 22		
Washington.....														
West Virginia.....	32	55	32	28	14	33	42	48	33				23	50
Wisconsin.....	32	50	<sup>10</sup> 32				44	48	33					48
Wyoming.....	32	57					50	48						

<sup>1</sup> Not defined, except as noted.

<sup>2</sup> Hulled or unhulled.

<sup>3</sup> Green.

<sup>4</sup> Called ground peas in the law.

<sup>5</sup> Roasted; green, 22 pounds.

<sup>6</sup> Shelled.

<sup>7</sup> Peaches, peeled; unpeeled, 32 pounds; not stated whether dried or not.

<sup>8</sup> Matured.

<sup>9</sup> Spanish, 30 pounds.

<sup>10</sup> Not stated whether top or bottom onion sets.

<sup>11</sup> Roasted; green, Georgia or Virginia, 32 pounds; Spanish, 24 pounds.

<sup>12</sup> Virginia; Spanish, 30 pounds.



III. Commodities for which bushel weights have been established in more than three States—Continued.

	Peas.				Potatoes.			Quinces.	Rapeseed.	Raspberries.	Red top or red top seed.	Rhubarb or pie plant.	Rice, rough (or unhulled).	Rutabagas.	Rye.	Rye meal.
	Peas. <sup>1</sup>	Green, unshelled.	Split.	Wrinkled.	Plums.	Irish or white.	Sweet.									
Federal statutes.....	60															56
Alabama.....	60					60	55									56
Arizona.....																
Arkansas.....	60					60	50				14					56
California.....																54
Colorado.....						60										56
Connecticut.....	60					60	54					45	60			56
Delaware.....																
District of Columbia.....																
Florida.....					40	60	56	48								56
Georgia.....	60					60	55					43				56
Hawaii.....																50
Idaho.....	<sup>2</sup> 60					60	50									56
Illinois.....	<sup>2</sup> 60	32				60	50	48	50		14	45	50			56
Indiana.....						60	50	48	50		14	45				56
Iowa.....	<sup>3</sup> 60	50			48	60	50	48	50		14			60		56
Kansas.....	60	30			52	60	<sup>4</sup> 50	48					50			56
Kentucky.....	60					60	55									56
Louisiana.....																32
Maine.....	60	28		56		60	54	48		40	14	44	60	56		50
Maryland.....	<sup>3</sup> 60					60	60		50		<sup>5</sup> 14					56
Massachusetts.....	<sup>6</sup> 60	28		56		60	54	48				44				56
Michigan.....	60				<sup>3</sup> 28	60	56				14					56
Minnesota.....	<sup>6</sup> 60			56		60	55		50		14	50		52		56
Mississippi.....	60					60	54									56
Missouri.....	60	56	60			60	56				<sup>7</sup> 14			50		56
Montana.....	60					60	56									56
Nebraska.....	<sup>3</sup> 60	50			48	60	50	48	50		14			60		56
Nevada.....	<sup>2</sup> 60					60	50									56
New Hampshire.....	60	28				60	54	48								56
New Jersey.....	<sup>3</sup> 60	28			64	60	54	48			14		45	60		56
New Mexico.....	60					60	50	48	50					50		56
New York.....	60					60	54					45				56
North Carolina.....	<sup>7</sup> 60	30			64	56	56	<sup>8</sup> 48		48	14	<sup>9</sup> 50	44		<sup>10</sup> 56	56
North Dakota.....	60					60	46		50			50		52	<sup>10</sup> 56	56
Ohio.....	60				50	60	50									56
Oklahoma.....	60	56	60			60	55		50		<sup>7</sup> 14			50		56
Oregon.....																
Pennsylvania.....	<sup>3</sup> 60	28			64	60	54	48	50	48	<sup>7</sup> 14		45	60		56
Rhode Island.....	60		60			60	54									56
South Carolina.....	<sup>7</sup> 60	<sup>11</sup> 30			64	60	50	<sup>8</sup> 48	50	48	14	<sup>9</sup> 50	44	60		56
South Dakota.....	<sup>2</sup> 60	56			48	60	54	<sup>8</sup> 48		50	14			50		56
Tennessee.....	<sup>7</sup> 60	30			64	60	50	<sup>8</sup> 48		48	14	<sup>9</sup> 50				56
Texas.....	<sup>3</sup> 60	32				60	50	48	50		14		45	50		56
Utah.....																
Vermont.....	60	28			48	60	54	48			14					56
Virginia.....						60	56				40					56
Washington.....																
West Virginia.....	<sup>7</sup> 60	<sup>12</sup> 30			56	60	56	48	50	48	14			50		56
Wisconsin.....	60				56	60	54		50		14		45	56		56
Wyoming.....						60	50									56

<sup>1</sup> Not defined, except as noted.

<sup>2</sup> Shelled, dried peas.

<sup>3</sup> Dried.

<sup>4</sup> Sweet potatoes, seed, sorted, 1¼ inches diameter and under 45 pounds.

<sup>5</sup> Red top grass seed (chaff); fancy, 32 pounds.

<sup>6</sup> Smooth peas.

<sup>7</sup> Dry.

<sup>8</sup> Matured.

<sup>9</sup> Called pieplant in the law.

<sup>10</sup> Seed.

<sup>11</sup> Not stated whether shelled or unshelled.

<sup>12</sup> Green, shelled, 50 pounds.

## III. Commodities for which bushel weights have been established in more than three States—Continued.

	Salt.			Sand.	Shorts.	Sorghum seed.	Spelt or speltz. <sup>2</sup>	Spinach.	Strawberries.	Timothy seed.	Tomatoes.	Turnips.	Walnuts.	Wheat.
	Salt. <sup>1</sup>	Coarse salt.	Fine salt.											
Federal Statutes.....														60
Alabama.....												55		60
Arizona.....														60
Arkansas.....	50					50				60		57		60
California.....														60
Colorado.....	80									45				60
Connecticut.....		70	50		20					45		<sup>3</sup> 50		60
Delaware.....														60
District of Columbia.....														60
Florida.....	60					56						54		60
Georgia.....										45		55		60
Hawaii.....														60
Idaho.....	80					50				45	56	55		60
Illinois.....		55	50		20	50	40	12		45	56	55	50	60
Indiana.....		50	55			50				45	60	55	50	60
Iowa.....	80			130	20	<sup>4</sup> 50	40			45	50	55	<sup>5</sup> 50	60
Kansas.....	80					50	40	14		45	56	55	<sup>6</sup> 50	60
Kentucky.....	50		55							45		60		60
Louisiana.....														60
Maine.....		<sup>7</sup> 70	<sup>8</sup> 60			50		12	40	45	56	<sup>3</sup> 50		60
Maryland.....		70	56			50				45	60	60		60
Massachusetts.....														60
Michigan.....	<sup>9</sup> 56									45		58		60
Minnesota.....						57	40			45	50	55	50	60
Mississippi.....	50					42				45		55		60
Missouri.....	50					42				45	45	<sup>10</sup> 42		60
Montana.....	50									45		50		60
Nebraska.....	80			130	20	50	48			45	56	55	<sup>5</sup> 50	60
Nevada.....	80					50				45	56	56		60
New Hampshire.....		70	50		20			12		45	56	55		60
New Jersey.....					20			12		45	56	55	50	60
New Mexico.....				130		50				45	50	56		60
New York.....		70	56		20					45				60
North Carolina.....	50					50		10	48	45	56	50	<sup>5</sup> 50	60
North Dakota.....	80					57	40			45	50	60	50	60
Ohio.....						50				45	56	60	<sup>11</sup> 50	60
Oklahoma.....	80					50				45	45	<sup>10</sup> 42		60
Oregon.....														60
Pennsylvania.....		85	<sup>12</sup> 62	100	20	50	40	12	48	45	56	56	<sup>10</sup> 50	60
Rhode Island.....		70	50		20					45	56	50		60
South Carolina.....	50					50		12	48	45	56	50	50	60
South Dakota.....		80		130		50	45			45	50	55	<sup>5</sup> 50	60
Tennessee.....	50					50		30	48	45	56	50	50	60
Texas.....		55	50		20	50		12		45	56	55	50	60
Utah.....														60
Vermont.....		70	56				40	12		45	56	60		60
Virginia.....	50									45	60	55		60
Washington.....														60
West Virginia.....		70	50	130	20	57	40	15	48	45	56	55	50	60
Wisconsin.....		70	50		20					45	56	42		60
Wyoming.....							45				56	55		60

<sup>1</sup> Not defined, except as noted.<sup>2</sup> See also "Emmer." Spring emmer has frequently been erroneously called speltz, this name being a misspelling of spelt, which is a distinct crop. The differences between spelt and emmer are pointed out in U. S. Dept. Agr. Farmers' Bulletin 466.<sup>3</sup> Common English.<sup>4</sup> Sorghum saccharatum seed.<sup>5</sup> Hulled.<sup>6</sup> Black.<sup>7</sup> Turk's Island salt or other grades of coarse salt.<sup>8</sup> Liverpool salt or other grades of fine salt.<sup>9</sup> Michigan salt.<sup>10</sup> Common.<sup>11</sup> Domestic.<sup>12</sup> Ground.

IV. THE FOLLOWING TABLE GIVES AN ANALYSIS OF THE DEGREE OF UNIFORMITY IN WEIGHT EXISTING IN THE CASES OF THOSE COMMODITIES FOR WHICH BUSHEL WEIGHTS HAVE BEEN ESTABLISHED IN 17 OR MORE STATES.

Commodity.	Most common weight.			Additional weights.		Total number of States fixing a weight.	Summary of individual weights. Values—first figure, number of States; second figure, weight fixed (most common weight in bold face).	Percentage range from minimum weight.
	Number of pounds.	Fixed by—		Number.	Number of States fixing.			
		Number of States.	Per cent of States having weights on this commodity.					
Alfalfa seed.....	60	21	100	.....	.....	21	21-60.....	.....
Apples.....	48	20	61	4	13	33	2-44, 3-45, 1-47, 20-48, 7-50...	14
Apples, dried.....	24	20	54	4	17	37	1-22, 20-24, 10-25, 1-26, 5-28...	27
Barley.....	48	38	88	3	5	43	1-32, 3-47, 38-48, 1-50.....	56
Beans.....	60	40	100	.....	.....	40	40-60.....	.....
Castor.....	46	20	77	3	6	26	1-45, 20-46, 1-48, 4-50.....	11
Beets.....	56	11	39	2	17	28	7-50, 11-56, 10-60.....	20
Bluegrass seed....	14	29	97	1	1	30	29-14, 1-18.....	29
Bran.....	20	31	100	.....	.....	31	31-20.....	.....
Buckwheat.....	48	16	42	5	22	38	1-40, 1-42, 16-48, 10-50, 9-52, 1-56.	40
Carrots.....	50	30	94	1	2	32	2-45, 30-50.....	11
Clover seed.....	60	37	100	.....	.....	37	37-60.....	.....
Corn:								
In the ear.....	<sup>1</sup> 70	30	88	2	4	34	3-68, 30-70, 1-72.....	6
Shelled.....	56	43	98	1	1	44	1-52, 43-56.....	8
Cornmeal.....	50	19	61	1	12	31	12-48, 19-50.....	4
Cucumbers.....	48	18	90	1	2	20	18-48, 2-50.....	4
Flaxseed.....	56	34	92	1	3	37	3-55, 34-56.....	2
Hempseed.....	44	29	91	2	3	32	29-44, 1-48, 2-50.....	14
Hickory nuts.....	50	17	100	.....	.....	17	17-50.....	.....
Hungarian grass seed.	50	17	61	1	11	28	11-48, 17-50.....	4
Kafir corn.....	56	17	89	1	2	19	2-50, 17-56.....	12
Lime.....	80	21	70	2	9	30	1-35, 8-70, 21-80.....	129
Millet.....	50	31	97	1	1	32	1-48, 31-50.....	4
Oats.....	32	43	100	.....	.....	43	43-32.....	.....
Onion sets, top....	28	13	76	1	4	17	13-28, 4-30.....	7
Onions.....	57	20	51	5	19	39	3-50, 8-52, 2-54, 2-55, 4-56, 20-57.	14
Orchard grass seed.	14	23	100	.....	.....	23	23-14.....	.....
Parsnips.....	50	15	50	5	15	30	4-42, 3-44, 5-45, 2-48, 15-50, 1-55.	31
Peaches.....	48	22	81	2	5	27	22-48, 4-50, 1-54.....	12
Dried.....	33	22	71	5	9	31	1-24, 2-25, 1-26, 4-28, 22-33, 1-39.	62
Peanuts.....	22	15	62	6	9	24	1-20, 15-22, 3-23, 2-24, 1-25, 1-30, 1-32.	60
Pears.....	<sup>2</sup> 58	6	25	6	18	24	1-36, 6-45, 4-48, 4-50, 1-55, 2-56, 6-58.	61
Peas.....	60	37	100	.....	.....	37	37-60.....	.....
Green, unshelled.	28	6	33	4	12	18	6-28, 5-30, 2-32, 2-50, 3-56....	100
Potatoes:								
Irish.....	60	39	95	1	2	41	2-56, 39-60.....	7
Sweet.....	50	15	38	5	24	39	1-46, 15-50, 12-54, 5-55, 5-56, 1-60.	30
Quinces.....	48	19	100	.....	.....	19	19-48.....	.....
Red top seed.....	14	21	95	1	1	22	21-14, 1-40.....	186
Rutabagas.....	50	8	44	3	10	18	8-50, 2-52, 1-56, 7-60.....	20
Rye.....	56	42	93	3	3	45	1-32, 1-50, 1-54, 42-56.....	75
Salt.....	50	9	47	3	10	19	9-50, 1-56, 1-60, 8-80.....	60
Sorghum seed.....	50	19	76	3	6	25	2-42, 19-50, 1-56, 3-57.....	36
Timothy seed.....	45	36	97	1	1	37	36-45, 1-60.....	33
Tomatoes.....	56	19	66	3	10	29	2-45, 5-50, 19-56, 3-60.....	33
Turnips.....	55	17	45	7	21	38	3-42, 7-50, 1-54, 17-55, 3-56, 1-57, 1-58, 5-60.	43
Wheat.....	60	45	100	.....	.....	45	45-60.....	.....

<sup>1</sup> Indiana and Texas have established weights of 70 pounds and 72 pounds, respectively, for green corn before Dec. 1; West Virginia requires 72 pounds for green corn, and Kentucky 68 pounds for corn from May 1 to Nov. 1. These weights are not included in the figures given in the table, but the weights fixed for the other seasons of the year are included.

<sup>2</sup> A weight of 45 pounds is also established by six States.

V. BUSHEL WEIGHTS (FOUND IN THE PRECEDING PAGES) WITH  
CORRESPONDING PROPORTIONAL WEIGHTS FOR VARIOUS SUB-  
DIVISIONS OF THE BUSHEL

Bushel weight in pounds.	One-half bushel.		One peck.		One-half peck.		One-quarter peck.		One quart.	
	Lbs.	Ozs.	Lbs.	Ozs.	Lbs.	Ozs.	Lbs.	Ozs.	Lbs.	Ozs.
4.....	2	0	1	0	0	8	0	7	0	2
8.....	4	0	2	0	1	0	0	8	0	4
10.....	5	0	2	8	1	4	0	10	0	5
11.....	5	8	2	12	1	6	0	11	0	5.5
12.....	6	0	3	0	1	8	0	12	0	6
14.....	7	0	3	8	1	12	0	14	0	7
15.....	7	8	3	12	1	14	0	15	0	7.5
18.....	9	0	4	8	2	4	1	2	0	9
20.....	10	0	5	0	2	8	1	4	0	10
22.....	11	0	5	8	2	12	1	6	0	11
23.....	11	8	5	12	2	14	1	7	0	11.5
24.....	12	0	6	0	3	0	1	8	0	12
25.....	12	8	6	4	3	2	1	9	0	12.5
26.....	13	0	6	8	3	4	1	10	0	13
28.....	14	0	7	0	3	8	1	12	0	14
30.....	15	0	7	8	3	12	1	14	0	15
32.....	16	0	8	0	4	0	2	0	1	0
33.....	16	8	8	4	4	2	2	1	1	0.5
33½.....	16	10.7	8	5.3	4	2.7	2	1.3	1	0.7
34.....	17	0	8	8	4	4	2	2	1	1
35.....	17	8	8	12	4	6	2	3	1	1.5
36.....	18	0	9	0	4	8	2	4	1	2
38.....	19	0	9	8	4	12	2	6	1	3
39.....	19	8	9	12	4	14	2	7	1	3.5
40.....	20	0	10	0	5	0	2	8	1	4
42.....	21	0	10	8	5	4	2	10	1	5
43.....	21	8	10	12	5	6	2	11	1	5.5
44.....	22	0	11	0	5	8	2	12	1	6
45.....	22	8	11	4	5	10	2	13	1	6.5
46.....	23	0	11	8	5	12	2	14	1	7
47.....	23	8	11	12	5	14	2	15	1	7.5
48.....	24	0	12	0	6	0	3	0	1	8
50.....	25	0	12	8	6	4	3	2	1	9
52.....	26	0	13	0	6	8	3	4	1	10
54.....	27	0	13	8	6	12	3	6	1	11
55.....	27	8	13	12	6	14	3	7	1	11.5
56.....	28	0	14	0	7	0	3	8	1	12
57.....	28	8	14	4	7	2	3	9	1	12.5
58.....	29	0	14	8	7	4	3	10	1	13
60.....	30	0	15	0	7	8	3	12	1	14
62.....	31	0	15	8	7	12	3	14	1	15
64.....	32	0	16	0	8	0	4	0	2	0
68.....	34	0	17	0	8	8	4	4	2	2
70.....	35	0	17	8	8	12	4	6	2	3
72.....	36	0	18	0	9	0	4	8	2	4
74.....	37	0	18	8	9	4	4	10	2	5
75.....	37	8	18	12	9	6	4	11	2	5.5
76.....	38	0	19	0	9	8	4	12	2	6
80.....	40	0	20	0	10	0	5	0	2	8
85.....	42	8	21	4	10	10	5	5	2	10.5
100.....	50	0	25	0	12	8	6	4	3	2
130.....	65	0	32	8	16	4	8	2	4	1