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U.S. DEPARTMENT OF AGRICULTURE
Foreign Agricultural Service Washington D.C.



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GRAIN
FG 1-61
January 1961

THAILAND BECOMING IMPORTANT

CORN PRODUCER AND EXPORTER

Nations exporting corn to Far Eastern markets may expect steadily increasing competition in that area from Thailand in the years ahead. The country's corn production and exports have shown a sharp increase in recent years and all indications point to continuation of the upward trend.

The main reasons are need for increasing the country's foreign exchange earnings because of increasing population and expanding industrialization, a desire to expand the country's livestock industry, and governmental encouragement of diversification in the country's agriculture.

Because of these factors, corn production has been increased from 22,000 metric tons (866,000 bushels) in 1950 to an estimated 400,000 tons (15.7 million bushels) in 1960. In the same period exports increased from 12,600 tons (496,000 bushels) to an estimated 350,000 tons (13.8 million bushels). See Table 1.

The area planted to corn has been increased from 218,000 rai (87,000 acres) in 1950 to an estimated 1,600,000 rai (640,000 acres) in 1960. Most of the crop is harvested in July but harvesting continues until November. Very little fertilizer is used and cultural practices fall far back of up-to-date technique. As a result, yields from actually harvested area are low and average only around 255 kilos per rai (25.4 bushels per acre).

Corn Production

Based on quantity produced, rice and sugarcane are Thailand's most important agricultural enterprises. On the same basis, other important crops are fruits and vegetables, oleaginous products (mainly copra), fibers (mainly kenaf), root crops (mainly casava), fibers (mainly kapok), rubber, and corn. The country maintains large livestock numbers, and is especially desirous of expanding its poultry and hog industries. Increase in corn production is contributing to that objective.

Thai dealers and brokers have launched a campaign to increase corn supplies. The government also has taken measures to encourage production, because of its desire to diversify the country's predominantly rice economy. Farmers are showing some tendency to shift from rice to corn in view of the uncertain market for rice. If foreign markets can be expanded for corn, or if livestock development in Thailand provides a larger domestic market, it is certain that domestic production will increase substantially in the coming years.

The crop is grown almost entirely in the northern and eastern parts of the country. While yields are still relatively low because of prevailing cultural practices, the belief is that they can be almost doubled with greater emphasis on better seed and adoption of modern production methods. Considerable progress along these lines has been made in the past 4 years.

Table 1. Thailand: Corn area, production, and exports 1950 through 1960

Years	Area		Crop <u>2/</u>	Yield	Exports	
	Planted	Harvested		per rai harvested	Quantity	F.o.b. value
	1,000 rai <u>1/</u>	1,000 rai <u>1/</u>	1,000 metric tons <u>3/</u>	Kilos <u>4/</u>	1,000 metric tons <u>3/</u>	1,000 baht <u>5/</u>
1950	218	211	22	102	12.6	10,479
1951	259	256	33	130	22.6	21,307
1952	281	271	36	132	25.2	27,923
1953	298	295	41	138	34.7	46,958
1954	331	326	50	153	37.0	56,141
1955	347	345	54	157	68.2	79,993
1956	514	510	92	180	81.5	96,133
1957	606	597	109	183	64.3	74,391
1958	<u>6/</u> 1,000	<u>6/</u> 975	<u>6/</u> 185	190	162.9	182,667
1959	<u>6/</u> 1,249	<u>6/</u> 1,241	<u>6/</u> 317	255	236.9	249,513
1960	<u>6/</u> 1,600	<u>6/</u> 1,570	<u>6/</u> 400	<u>6/</u> 255	<u>6/</u> 350.0	<u>6/</u> 375,000

1/ One rai = 0.4 acres. 2/ Shelled basis. 3/ Metric ton = 39.36 bushels.
4/ Kilo = 2.2046 pounds. 5/ 21 baht = U.S. \$1. 6/ FAS estimate.

Corn Exports

Since rice is the principal cereal in the diet of the people and only small quantities of corn are used for feed, principally for poultry, the production increase has been largely for export purposes. Exports of shelled corn during the first 6 months of calendar 1960 totaled 59,600 metric tons (2.3 million bushels). The bulk of the exports takes place during the last 6 months of the year. Total exports for the year are expected to amount to approximately 350,000 tons (13.8 million bushels).

The 1959 exports of 237,000 tons (9.3 million bushels) were valued at \$12 million f.o.b. Bangkok. Japan, as usual, took 80 percent of the total. The other principal buyers were Singapore, Hong Kong, North Borneo, and Malaya. Excluding corn products, United States corn exports to these 5 markets in 1959-60 amounted to 7.9 million bushels with a declared export value of \$10.7 million, virtually all to Japan.

During the first weeks of August 1960 Japanese importers were negotiating for purchases of 300,000 tons from Thailand. The belief is that the agreement was consummated. Moisture content of the corn was the main point of discussion. Reports indicate that the Japanese Government agreed to accept a moisture content of not more than 15 percent on deliveries up to the end of October 1960, and not more than 14.5 percent thereafter.

On price, a sale to Japan of 20,000 tons of Thai corn at the end of July was priced at 18-10-0 pounds sterling (\$51.90) per ton f.o.b. (\$1.32 per bushel) Bangkok. Insurance and freight to Japan amount to about 3 pounds sterling (\$8.42) per ton (21.4¢ per bushel). As a matter of trade policy, Japan is trying to maximize its purchases of Thai corn in response to Thai complaints about the imbalance of trade between the two countries. It has also been encouraging increased production in Thailand as a nearby source of supply for the expanding Japanese livestock industry.

Table 2. Thailand: Corn and corn products, quantity and value of exports, 1958 and 1959 and January-June 1960

Product and destination	Quantity			Value ^{1/}		
	1958	1959	Jan.-June 1960	1958	1959	Jan.-June 1960
	Metric tons	Metric tons	Metric tons	1,000 baht	1,000 baht	1,000 baht
Shelled corn:						
Br. North Borneo ..	8,927	8,966	2,720	10,798	9,611	2,931
Hong Kong	3,879	9,876	3,062	4,448	10,602	3,288
Malaya	4,354	7,789	3,468	5,002	7,781	3,668
Penang	1,190	3,354	1,261	1,334	3,207	1,216
Singapore	14,880	17,507	8,698	16,586	17,576	8,867
Indonesia	---	28	50	---	28	49
Japan	129,683	188,960	40,359	144,508	200,363	43,544
United Kingdom	---	225	---	---	267	---
Mauritius	---	75	---	---	78	---
Fiji Islands	1	---	---	1	---	---
Total	162,914	236,780	59,618	182,668	249,513	63,563
Corn flour and meal:						
Laos	neg.	---	---	neg.	---	---
Br. North Borneo ..	---	8	---	---	7	---
Hong Kong	---	294	161	---	319	180
Malaya	---	262	36	---	310	41
Penang	---	207	510	---	231	577
Singapore	---	877	891	---	910	936
Total	neg.	1,648	1,598	neg.	1,777	1,734
Grand total	162,914	238,428	61,216	182,668	251,290	65,297

^{1/} 21 baht = 1 U.S. dollar.

Corn Prices

Wholesale prices of Thai corn showed a steady upward trend during the first half

of 1960. The average price in 1959 was 62.5 baht per picul of 60 kilograms f.o.b. Bangkok (\$1.25 per bushel). This substantial drop from the 1958 average of 88 baht per picul (\$1.76 per bushel) reflected increased supplies. In view of the country's dependence on export markets, the wholesale price of corn is closely related to the export price.

Table 3. Thailand: Corn, end-of-the-month wholesale price f.o.b., Bangkok, 1958 and 1959 and January-June 1960

Month	1958	1959	1960
	Baht	Baht	Baht
	per picul 1/	per picul 1/	per picul 1/
January	98.50	58.00	63.00
February	98.50	58.50	63.50
March	102.00	58.50	63.50
April	106.00	59.00	66.50
May	108.00	61.00	70.00
June	89.00	62.00	72.00
July	89.00	59.50	---
August	88.50	59.50	---
September	88.50	55.00	---
October	70.00	68.00	---
November	59.50	75.00	---
December	58.50	71.00	---
Average	88.00	62.50	66.50

1/ 21 baht = 1 U.S. dollar. 1 picul = 60 kilograms or 132.3 pounds.

Government Policy

Largely because of improved medical facilities, better diets, and less disease, Thailand's population, currently estimated at 26 million, is increasing at a rate of 2.8 percent annually. The government, therefore, is not only deeply concerned with the ability of the country's agriculture to maintain food supplies at desired levels but also to expand production for the export market. Special emphasis is given to the importance of expanding exports in order to assure foreign exchange for the country's program of industrialization.

With favorable soil and climatic conditions for abundant harvests of rice and other crops, Thai farmers have followed primitive and traditional methods of production without much regard to modern techniques. Realizing the important role that agriculture plays in the national economy, since it provides a livelihood for no less than 85 percent of the population and accounts for approximately half of the national income and about 80 percent of the value of the exports, the government is placing strong emphasis not only on agricultural development but also on diversification.

In general, the agricultural policy of the government is being concentrated on bringing about more intensive use of land under cultivation, land reclamation, livestock improvement, adoption of modern cropping and harvesting methods, proper land and water use, increased use of fertilizers, pest and disease control, seed selection, increased yields, and crop diversification. In the latter connection special emphasis is being devoted to encouraging increased production of non-irrigated cash crops, such as corn, which have good possibilities for filling increasing local requirements as well as providing crops for export. For the corn export market, better control of quality -- especially moisture content -- appears to be the main problem.

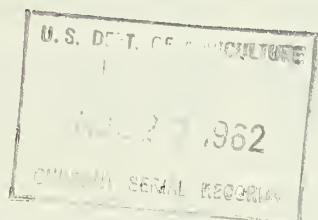
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NEAR-RECORD 1960 WORLD

BREADGRAIN CROP CONFIRMED

World breadgrain production in 1960 is estimated at 285 million short tons, according to the latest information available to the Foreign Agricultural Service. This is about the same as the 1959 total and has been exceeded only once, in 1958. The current estimate is 2 percent below the preliminary September forecast mainly because estimates for the Soviet Union have been reduced to reflect losses from bad weather during the late growing and harvesting season.

Though total breadgrain production is estimated the same as last year, significant differences are noted between the 2 years. Increased wheat production is offset by a smaller world crop of rye. World wheat production in 1960 is now estimated at 8,300 million bushels and rye at 1,270 million.

On a regional basis, the most significant increase over 1959 wheat production is in North America where a 9-percent increase is reported. Smaller increases for Asia and Australia are partly offset by reductions in Europe, the Soviet Union, and South America. Rye production is somewhat smaller than the 1959 harvest in both Europe and the Soviet Union, which together produce more than 90 percent of the world rye crop.

In North America, wheat production is placed at 1,905 million bushels, compared with the small crop of 1,594 million in 1959. This is a record total for the area because of a near-record U.S. outturn and a fairly good harvest in Canada. Rye production, at 41 million bushels, is above average.

The wheat crop for all Europe is still estimated at 1,900 million bushels, compared with the 1959 record total of 2,055 million. Reductions

WHEAT: Acreage, yield per acre, and production in specified countries, year of harvest, average 1950-54, annual 1958-60 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production		
	Average 1950-54	1958	1959	Average 1950-54	1958	1959	Average 1950-54	1958	1959
	1,000 acres	acres	1,000 acres	Bushels	Bushels	Bushels	bushels	bushels	bushels
North America:									
Canada	26,130	20,899	23,065	23,198	17.8	17.9	537,632	371,730	413,520
Mexico	1,647	2,075	2,338	1,853	23.7	22.0	21,788	49,130	51,440
United States	63,361	53,404	53,024	52,995	27.4	21.3	1,094,183	1,461,714	1,128,151
Estimated total 5/	91,200	76,460	78,510	78,130	18.1	20.3	1,654,000	1,883,000	1,594,000
Europe:									
Austria	573	650	661	685	31.0	32.7	16,920	20,160	21,620
Belgium	421	542	497	504	52.8	58.7	20,278	28,600	29,150
Denmark	195	190	218	203	53.2	61.4	10,630	10,100	13,375
Finland	377	313	344	447	23.2	25.9	8,739	7,900	8,900
France	10,916	11,404	10,970	10,744	31.0	38.7	315,244	353,008	425,000
Germany, West	2,728	3,226	3,295	3,405	42.2	50.2	110,228	136,080	165,540
Greece	2,410	2,870	2,875	2,820	23.9	22.6	40,042	65,600	65,000
Ireland	362	419	282	365	30.7	48.2	13,036	12,880	13,600
Italy	12,085	12,100	11,600	11,300	29.8	26.8	288,080	360,000	311,000
Luxembourg	45	—	—	—	30.7	—	1,382	1,550	—
Netherlands	209	275	297	315	53.5	61.1	11,376	14,700	18,140
Norway	56	20	24	22	31.0	27.9	1,682	620	670
Portugal	1,785	2,066	1,983	1,920	14.5	9.7	23,526	29,900	19,200
Spain	10,470	10,872	10,774	10,378	14.8	15.8	155,000	167,000	170,000
Sweden	896	698	778	836	33.1	31.5	29,640	22,000	30,725
Switzerland	225	248	254	255	41.9	48.5	9,430	11,830	12,370
United Kingdom	2,263	2,208	1,929	2,112	41.8	53.9	94,640	101,200	104,000
Estimated total Western Europe 5/	46,020	48,030	46,830	46,360	25.0	30.1	1,150,000	1,345,000	1,410,000
Bulgaria	3,540	3,555	3,457	—	18.6	21.7	66,000	72,500	75,000
Czechoslovakia	1,840	1,820	1,875	—	28.5	29.9	52,500	50,000	56,000
Germany, East	1,120	1,087	1,075	—	34.0	43.7	38,100	47,500	47,800
Hungary	3,400	2,936	2,759	2,621	18.7	25.4	72,500	55,000	70,150
Poland	7,730	3,640	3,546	—	19.0	25.9	70,800	86,000	92,000
Romania	6,710	7,346	7,383	—	16.2	19.9	108,750	110,000	147,000
Yugoslavia	—	4,917	5,263	4,942	—	28.8	80,000	90,000	151,750
Estimated total Eastern Europe 5/	25,500	25,550	25,610	25,000	19.2	25.2	490,000	515,000	645,000
Estimated total all Europe 5/	71,520	73,580	72,440	71,360	22.9	28.4	1,640,000	1,860,000	2,055,000
U.S.S.R. (Europe and Asia) 6/	111,500	165,000	157,000	—	11.1	12.1	1,240,000	2,300,000	1,900,000

Asia:														
Iran	1,871	---	---	---	---	---	---	---	---	---	75,100	99,200	110,000	96,000
Iraq	90	130	137	11.9	---	---	---	---	---	---	22,210	27,700	24,200	---
Israel	651	500	---	11.1	17.7	19.7	10.0	---	---	---	1,000	2,300	2,700	1,300
Jordan	165	153	---	8.6	4.8	---	---	---	---	---	5,600	3,800	3,800	---
Lebanon	2,277	2,446	---	11.5	8.5	6.0	5.8	---	---	---	1,902	1,300	920	745
Syria	13,514	16,000	---	11.6	8.4	---	---	---	---	---	26,510	20,640	14,700	12,000
Turkey	---	---	---	15.8	15.0	---	---	---	---	---	213,598	240,000	225,000	260,000
China	---	---	---	---	---	---	---	---	---	---	890,000	---	---	---
India	24,456	29,300	31,141	10.4	9.9	11.7	11.5	---	---	---	253,950	290,000	365,000	363,400
Pakistan	10,364	11,815	12,000	12.5	11.6	12.0	11.9	---	---	---	129,800	137,000	144,000	144,700
Japan	1,766	1,480	1,486	30.2	31.8	35.0	37.7	---	---	---	53,322	47,070	52,000	56,180
Korea, South	245	314	309	17.4	19.4	23.6	---	---	---	---	4,260	6,100	7,300	7,100
Estimated total 5/	127,800	140,730	140,760	13.8	13.6	13.5	13.7	---	---	---	1,765,000	1,910,000	1,905,000	1,965,000
Africa:														
Algeria	4,267	4,500	4,410	9.7	9.3	9.5	12.0	---	---	---	41,508	42,000	42,000	55,000
Egypt	1,631	1,479	1,531	30.1	35.1	34.6	36.4	---	---	---	49,060	51,900	53,000	55,000
Morocco 7/	3,496	4,040	4,057	10.1	9.9	9.4	9.1	---	---	---	35,302	40,000	36,500	37,000
Tunisia	2,399	3,170	3,274	8.3	6.0	5.9	5.2	---	---	---	19,796	19,100	19,300	17,500
Union of South Africa 8/	3,020	3,189	3,156	7.6	7.1	8.4	---	---	---	---	23,040	22,630	26,460	---
Estimated total 5/	16,480	18,180	18,270	11.2	10.7	10.9	11.0	---	---	---	185,000	195,000	200,000	205,000
South America:														
Argentina	11,871	12,954	10,809	18.2	18.9	19.9	---	---	---	---	216,204	245,000	215,000	190,000
Brazil	1,475	2,200	---	12.5	6.8	---	---	---	---	---	18,500	15,000	13,600	---
Chile	1,910	2,159	2,147	18.7	20.0	18.4	---	---	---	---	35,764	43,265	39,560	---
Colombia	430	440	395	11.3	13.0	13.4	---	---	---	---	4,860	5,700	5,300	---
Peru	410	334	334	14.2	14.1	13.8	---	---	---	---	5,814	4,700	4,600	---
Uruguay	1,515	1,707	725	14.8	7.7	9.2	---	---	---	---	22,376	13,200	6,700	18,000
Estimated total 5/	17,840	20,090	16,790	17.1	16.4	17.3	17.5	---	---	---	305,000	330,000	290,000	275,000
Oceania:														
Australia	10,716	10,400	12,173	16.9	20.7	16.3	---	---	---	---	181,150	215,100	198,500	---
New Zealand	116	135	161	40.7	50.0	54.7	---	---	---	---	4,720	6,750	8,800	---
Total Oceania	10,832	10,535	12,334	17.2	21.1	16.8	19.2	---	---	---	185,870	221,850	207,300	254,900
Estimated world total 5/	447,170	504,580	496,100	15.6	17.2	16.4	16.9	---	---	---	6,975,000	8,700,000	8,150,000	8,300,000

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of the Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1960 is combined with preliminary forecasts for the Southern Hemisphere harvests, which begin late in 1960 and end early in 1961. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Revised estimates for Northern Hemisphere countries, for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Estimated totals which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Tentative unofficial estimates for production. 7/ Excludes areas formerly known as Spanish Morocco and Tangier. 8/ Production on European holdings only.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U. S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

RYE: Acreage, yield per acre, and production in specified countries, year of harvest, average 1950-54, annual 1958-60 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production		
	Average 1950-54	1958	1959	Average 1950-54	1958	1959	Average 1950-54	1958	1959
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels
North America:									
Canada	1,159	521	517	54.3	15.4	15.8	18.6	8,002	8,149
United States	1,619	1,773	1,428	1,576	18.2	15.1	19.7	20,779	21,495
Total	2,778	2,294	1,945	2,119	17.5	15.2	19.4	40,039	29,644
Europe:									
Austria	601	509	538	421	27.5	30.7	32.9	16,508	15,630
Belgium	205	170	162	166	43.1	46.3	47.3	8,832	7,870
Denmark	323	304	299	381	38.2	39.6	39.3	12,332	12,050
Finland	276	189	255	274	24.3	23.1	22.1	6,694	4,370
France	1,104	857	811	744	18.4	19.8	22.2	20,327	16,930
Germany, West	3,427	3,714	3,521	3,232	38.3	39.8	43.4	131,400	147,680
Greece	155	106	81	71	13.7	15.2	15.5	2,120	1,610
Italy	238	167	167	155	21.7	24.8	23.6	5,160	4,160
Luxembourg	14	--	--	--	31.4	--	--	439	--
Netherlands	428	357	355	378	43.6	47.1	48.9	18,644	16,830
Norway	2	1	2	3	30.0	39.0	40.0	60	39
Portugal	652	625	618	618	11.1	13.2	7.4	7,227	8,220
Spain	1,526	1,369	1,406	1,384	12.7	14.8	13.7	19,390	20,300
Sweden	312	228	240	257	33.0	30.7	34.6	10,302	7,000
Switzerland	35	32	32	36	41.1	51.3	47.8	1,438	1,590
United Kingdom	59	23	13	20	35.1	36.5	40.0	2,072	840
Estimated total Western Europe 5/	9,360	8,670	8,520	8,160	28.1	30.6	32.1	263,000	265,000
Bulgaria	530	275	275	--	16.0	13.1	--	8,500	3,600
Czechoslovakia	1,550	1,231	1,300	--	26.5	29.5	--	41,100	36,300
Germany, East	3,110	2,703	2,548	--	26.8	32.7	--	83,300	88,500
Hungary	1,275	930	875	745	19.4	15.7	--	24,700	14,600
Poland	12,345	12,880	12,852	--	19.0	22.5	--	235,000	289,400
Romania	500	370	295	--	16.6	13.5	--	8,300	5,050
Yugoslavia	--	613	583	526	--	15.5	--	8,500	9,490
Estimated total Eastern Europe 5/	19,990	19,030	18,760	17,110	20.5	23.6	24.5	410,000	450,000
Estimated total all Europe 5/	29,350	27,700	27,280	25,270	22.9	25.8	27.3	673,000	715,000
U.S.S.R. (Europe and Asia) 6/	54,000	43,500	42,175	--	12.8	14.9	--	650,000	600,000
Asia:									
Turkey	1,410	1,643	1,621	900	16.1	15.2	26.1	22,700	25,000
South America:									
Argentina	2,222	2,629	2,897	--	11.7	12.2	--	26,000	32,160
Africa:									
Union of South Africa	56	--	--	--	6.4	--	--	360	--
Estimated world total 5/	90,130	78,150	76,320	69,180	16.1	18.7	18.4	1,455,000	1,465,000

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1960 is combined with preliminary forecasts for the Southern Hemisphere harvests, which begin late in 1960 and end early in 1961. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Revised estimates for Northern Hemisphere countries; for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Estimated totals which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Tentative unofficial estimates for production.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

occurred in both Western and Eastern Europe. Lower quality wheat, as well as reduced production, is reported for a number of countries. Rye production in Europe is estimated at 690 million bushels, 7 percent below the large 1959 crop.

Unfavorable weather in parts of the Soviet Union apparently reduced grain crops below their expected level, and the actual or "barn harvest" of breadgrains is now believed to be less than in 1959. Earlier prospects were for larger outturns than last year.

Asia's 1960 wheat crop is still estimated at 1,965 million bushels. This is moderately above the 1959 total of 1,905 million bushels and is 11 percent above the 1950-54 average. A good part of the increase over 1959 is in Turkey, where a record crop is reported.

Wheat production in Africa is placed at 205 million bushels, slightly above last year's harvest. The principal increase is in Algeria where a record crop of about 55 million bushels is reported. This offsets reductions in a number of other countries.

Harvesting is now progressing in Southern Hemisphere countries. In South America, the forecast wheat crop of 275 million bushels is well below average. The principal factor is the outlook for a smaller crop in Argentina. The current forecast of 190 million bushels is about 25 million bushels less than last year as well as below average. In contrast with that reduction, Uruguay's crop is getting back toward normal after 2 successive crop failures. The current estimate is about three times last year's low production.

In Australia, a record wheat crop is forecast. Current forecasts range from 225 to 250 million bushels. Last year's outturn was 198 million and the 1950-54 average was 181 million.



Growth Through Agricultural Progress





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February 1961

WORLD BARLEY AND OATS

PRODUCTION LARGE

The 1960 world crop of barley and oats is still estimated at a near-record (see preliminary forecast in Foreign Crops and Markets, monthly supplement October 27, 1960.) The combined crop of 144 million short tons of barley and oats is 4 percent below the alltime record in 1956. The reduction from that record was in oats, which has been decreasing in most areas.

Compared with the 1950-54 average, barley production is up 25 percent, while the outturn of oats is down 6 percent. The largest quantitative gain in barley was in Europe, with an increase of 475 million bushels. Reductions in oats were general, but most of the decline was in North America and Europe.

The world barley crop is estimated at 3,380 million bushels; this has been exceeded only once, in 1956. A record outturn in Europe this year was an outstanding feature and brought world production only nominally below the record.

World oats production of 3,920 million bushels is 5 percent above the small 1959 crop, mainly because of the larger outturn in North America. The current crop, however, is well below the 1958 harvest, as well as below average.

Production of barley and oats in North America is about 5 percent larger than in 1959 because of a substantial increase in oats; this more than offsets a reduced barley crop. Harvests of oats were somewhat larger than last year's small crop in both the United States and Canada. The U.S. outturn of 1,162 million bushels is still well below average, however, and 18 percent below the record crop produced in 1958. Yields of 42.9 bushels per acre were second only to the 1958 yields of 44.5 bushels but harvested acreage was the smallest since 1887. Unfavorable weather at seeding time over much of the country accounted for the small acreage.

BARLEY: Acreage, yield per acre, and production in specified countries, year of harvest, average 1950-54, annual 1958-60 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production		
	Average 1950-54	1958	1959	Average 1950-54	1958	1959	Average 1950-54	1958	1959
	acres	acres	acres	Bushels	Bushels	Bushels	bushels	bushels	bushels
North America:	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Canada	7,916	9,548	8,289	7,360	28.9	25.6	28.1	244,764	225,550
Mexico	573	593	605	605	13.2	13.9	14.0	7,554	8,270
United States	10,173	14,923	15,087	13,951	27.8	31.8	28.0	283,026	422,073
Estimated total 5/	18,660	25,060	23,980	21,920	27.8	29.1	27.4	519,000	656,000
Europe:	363	427	441	517	36.6	36.1	42.2	13,288	15,400
Austria	213	234	272	259	58.0	62.4	67.3	12,344	14,300
Belgium	1,390	1,781	1,858	1,846	64.4	64.1	57.8	89,450	107,380
Denmark	358	552	576	525	30.5	33.8	26.4	10,904	18,670
Finland	2,713	4,403	4,944	5,168	32.9	40.6	46.1	82,372	178,800
France	1,733	2,178	2,350	2,421	47.5	51.1	55.6	89,320	111,300
Germany, West	522	483	456	448	20.0	25.4	21.9	10,424	12,260
Greece	174	310	333	322	51.2	49.7	63.5	8,910	15,400
Ireland	619	554	546	535	21.1	24.5	23.4	13,057	13,600
Italy	183	202	179	171	60.4	71.7	68.9	11,048	14,480
Netherlands	164	359	347	358	44.8	43.5	40.1	7,350	15,250
Norway	380	376	361	365	44.8	42.4	41.3	5,620	4,670
Portugal	3,903	3,739	3,706	3,954	22.8	21.8	25.4	88,830	81,620
Spain	352	726	783	798	42.2	44.7	39.0	14,850	30,270
Sweden	53	60	62	63	48.7	54.6	55.6	2,581	3,275
Switzerland	2,051	2,755	3,059	3,394	48.9	53.7	61.3	100,326	147,440
United Kingdom	15,190	19,170	20,270	21,170	36.9	41.4	44.6	561,000	793,000
Estimated total Western Europe 5/	630	640	665	665	26.8	27.0	31.6	16,900	17,300
Bulgaria	1,556	1,654	1,660	1,660	33.5	33.3	40.8	52,100	55,100
Czechoslovakia	702	825	875	875	38.2	48.5	51.8	26,800	40,300
Germany, East	1,080	1,330	1,337	1,337	27.3	25.3	37.5	29,500	33,700
Hungary	2,072	1,824	1,592	1,780	24.3	30.2	30.1	50,400	55,000
Poland	1,235	722	744	744	15.8	19.7	28.9	12,500	14,200
Rumania	--	964	934	897	--	22.4	28.3	16,600	21,590
Yugoslavia	8,300	7,970	7,790	8,020	25.8	29.7	35.9	214,000	237,000
Estimated total Eastern Europe 5/	23,490	27,140	28,060	29,190	33.0	38.0	42.2	775,000	1,030,000
Estimated total all Europe 5/	22,500	23,500	23,700	--	15.6	18.7	16.0	350,000	440,000
U.S.S.R. (Europe and Asia) 6/	--	--	--	--	--	--	--	--	--

27,380
17,460
128,510
19,930
261,700
147,910
10,800
19,130
10,680
13,305
19,250
2,600
71,650
39,030
3,490
190,070
985,000

21,000
67,700
45,300
50,200
47,900
20,600
26,400
280,000
1,250,000
380,000

Asia:	135	118	--	18.9	19.2	--	2,547	2,840	1,900
Cyprus	1,956	--	--	18.8	--	--	36,798	43,630	41,500
Iran	2,374	2,858	2,696	14.9	15.3	12.5	35,270	43,760	33,650
Iraq	175	128	126	16.5	19.2	23.7	2,880	2,460	--
Israel	40	30	30	35	7.7	6.2	760	230	185
Lebanon	848	1,200	--	14.5	8.8	--	12,292	10,500	6,000
Syria	5,540	5,500	6,500	23.2	23.6	21.5	128,380	130,000	142,000
Turkey	--	--	--	--	--	--	325,000	--	--
China	8,020	7,549	8,243	14.7	13.8	15.1	118,280	104,440	124,700
India	2,400	2,282	2,206	37.7	37.8	43.6	90,439	86,350	96,200
Japan	1,644	1,914	1,927	11.5	20.0	22.7	24,700	38,200	43,800
Korea, South	557	629	540	550	12.8	12.0	6,300	8,070	6,500
Pakistan	41,110	42,190	43,190	43,610	19.7	19.0	805,000	830,000	820,000
Estimated total 5/	1,587	2,216	2,241	24.8	21.9	22.9	39,320	48,500	51,300
South America:	136	165	168	170	30.3	29.9	4,316	5,000	5,030
Argentina	122	104	141	168	33.2	37.4	2,740	3,450	5,280
Chile	465	432	445	457	20.9	22.5	9,980	9,020	9,875
Colombia	81	165	109	--	6.8	12.4	1,344	1,130	1,350
Peru	2,830	3,640	3,670	3,470	20.6	21.8	65,000	75,000	80,000
Uruguay									
Estimated total 5/	3,102	3,052	2,777	2,931	11.7	9.7	37,494	35,825	27,000
Africa:	128	141	147	154	44.0	46.4	4,976	6,200	7,440
Algeria	4,934	4,277	4,255	4,077	13.7	11.9	71,220	58,420	50,355
Egypt	1,295	1,775	1,875	1,700	6.9	5.8	8,920	12,000	10,800
Morocco 7/	135	--	--	--	--	--	2,350	1,060	--
Tunisia	11,520	11,790	11,570	11,440	13.0	10.8	150,000	140,000	125,000
Union of South Africa									
Estimated total 5/	1,412	2,400	2,379	2,863	27.1	14.9	31,350	65,000	35,500
Oceania:	53	55	62	60	51.1	51.0	2,388	2,810	3,165
Australia	1,465	2,455	2,441	2,923	27.6	15.8	33,738	67,810	38,665
New Zealand									
Total Oceania	121,580	135,780	136,610	136,550	22.2	24.0	2,700,000	3,310,000	3,285,000
Estimated world total 5/									

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1960 is combined with preliminary forecasts for the Southern Hemisphere harvests which begin late in 1960 and end early in 1961. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Revised estimates for Northern Hemisphere countries; for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Estimated totals, which in the case of production, are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Tentative unofficial estimates for production. 7/ Excludes data for areas formerly known as Spanish Morocco and Tangier.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service officers, results of office research, and related information.

U.S.S.R. (Europe and Asia) 7/	40,000	36,600	35,400	--	20.9	21.6	21.2	--	835,000	900,000	750,000	--
Asia:												
Syria	22	--	15	--	24.3	--	20.0	--	535	480	300	--
Turkey	808	650	900	976	30.9	30.8	30.6	35.3	24,958	20,000	27,500	34,500
China	--	--	--	--	--	--	--	--	70,000	--	--	--
Japan	208	222	193	195	47.6	60.8	61.9	58.9	9,910	13,500	11,950	11,480
Estimated total 6/	4,400	4,280	4,810	6,060	25.0	23.4	21.8	19.8	110,000	100,000	105,000	120,000
South America:												
Argentina	1,655	1,966	1,971	--	34.0	29.8	34.3	--	56,284	58,560	67,700	60,000
Chile	238	268	266	277	28.6	29.5	28.9	--	6,800	7,900	7,675	--
Uruguay	145	221	97	--	19.4	10.2	15.5	--	2,816	2,260	1,500	--
Estimated total 6/	2,090	2,520	2,410	2,470	32.1	27.8	33.2	30.4	67,000	70,000	80,000	75,000
Africa:												
Algeria	428	210	157	149	20.9	15.7	15.9	21.5	8,940	3,300	2,500	3,200
Morocco 8/	140	68	55	47	28.4	22.1	15.5	21.3	3,978	1,500	850	1,000
Tunisia	59	--	--	--	18.2	--	--	--	1,074	--	--	--
Union of South Africa	365	--	--	--	15.9	--	--	--	5,800	4,300	3,750	--
Estimated total 6/	1,040	740	670	660	20.2	14.9	13.4	15.2	21,000	11,000	9,000	10,000
Oceania:												
Australia	2,325	4,000	3,028	3,527	18.2	27.2	19.3	22.1	42,252	108,600	58,560	78,000
New Zealand	37	25	33	30	62.4	62.4	62.6	--	2,308	1,560	2,065	--
Total	2,362	4,025	3,061	3,557	18.9	27.4	19.8	22.5	44,560	110,160	60,625	79,875
Estimated world total 6/	128,730	116,680	111,170	111,410	32.3	36.5	33.5	35.2	4,160,000	4,260,000	3,720,000	3,920,000

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1960 is combined with preliminary forecasts for the Southern Hemisphere harvests which begin late in 1960 and end early in 1961. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre is calculated from acreage and production data shown. 4/ Preliminary estimates for Northern Hemisphere countries; for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Production and yield reported in bushels of 34 pounds. 6/ Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 7/ Tentative unofficial estimates for production. 8/ Excludes data for countries formerly known as Spanish Morocco and Tangier.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service officers, results of office research, and related information.

Canada's crop of 456 million bushels was well above average. Both acreage and yields were above average, though acreage was less than in 1959.

Barley production in North America is estimated at 639 million bushels, 3 percent less than last year. There was little change in the U.S. production despite a reduction of about a million acres harvested. Canada's production, however, was about 8 percent smaller than last year because of reduced acreage.

In Western Europe barley production was at an alltime high of 985 million bushels. Acreage has increased significantly and in 1960 was 39 percent above the 1950-54 average. Yields were also high. Oats production of 890 million bushels was larger than in 1959, despite smaller acreage. It is, however, well below the 1950-54 average of 1,020 million bushels. In Eastern Europe production of both barley and oats was smaller than in 1959. Yields were smaller and oats acreage was slightly less than a year earlier.

Production of these grains in the Soviet Union is estimated to be near the 1959 level, which was well below the large harvest of 1958. Early-season prospects for large outturns were not realized because of unfavorable weather during the latter part of the growing season and also during the harvest.

In Asia production of these crops totals about the same as in 1959. A smaller outturn of barley is offset by increased oats production, especially in Turkey and Korea. Production shows little change in Africa. An increase in barley production in Algeria is the main change from 1959. This is partly offset by reductions in Morocco and Tunisia.

Harvesting has just been completed in most of South America and definite figures are not yet available. Preliminary information indicates a reduction from the previous crop because of lower yields in Argentina. Barley production for the continent is tentatively estimated at 70 million bushels, compared with 80 million in 1959. Production of oats is placed at 75 million bushels, 5 million below the 1959 total.

A large crop of these grains is reported for Australia. Barley production is estimated at 68 million bushels, almost double the 1959 crop and more than double the 1950-54 average. The oats crop, estimated at 78 million bushels, is sharply above average but well below the record of 109 million in 1958.





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RECORD WORLD CORN

CROP CONFIRMED

Early forecasts of a record 1960 world corn production have been confirmed by the Foreign Agricultural Service. Present estimates place the total at 8.1 billion bushels, the first time world production has reached 8 billion.

Corn outturns were high in most important producing areas. Most significant gains were in the United States, where a new record was set, in the U.S.S.R. and Eastern Europe, with near-record crops, and in South America, where prospects are for the largest harvest of recent years.

Unprecedented surpluses in the United States, resulting from both record carryover and production, will meet competition mainly from large crops in Argentina, Yugoslavia, and Rumania. The U.S. supply for 1960-61 is about 6.1 billion bushels. Domestic use and exports are expected to increase to a new high of about 4.1 billion. Even though exports and domestic use continue at a high level, carryover stocks on October 1, 1961, are expected to total about 2.0 billion bushels, more than 200 million above a year earlier.

Corn production in all North America is now estimated at 4,622 million bushels. The slight increase over the 1959 total is entirely due to the record U.S. outturn. That crop of 4,353 million bushels is 72 million bushels above the 1959 record. Part of the increase, however, is offset by a smaller crop in Mexico and minor producing countries. U.S. acreage was down 1.4 million acres from 1959, but yields were at an alltime high.

Corn production in Western Europe is estimated at 330 million bushels. This is a record for the area, mainly because of a sharp rise in France. That country is showing great interest in increasing its corn output, and

CORN: Acreage, yield per acre, and production in specified countries, year of harvest
average 1950-54, annual 1958-60 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production			
	Average 1950-54	1958	1959	Average 1950-54	1958	1959	Average 1950-54	1958	1959	
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	bushels	bushels	bushels	
North America:										
Canada	370	498	489	53.6	60.0	63.4	57.1	29,892	31,023	29,337
El Salvador	434	440	439	16.7	12.7	13.4	--	7,260	5,900	7,000
Guatemala	1,357	1,700	--	12.5	10.9	--	--	17,000	18,500	15,000
Honduras	719	889	--	11.6	11.6	--	--	8,325	10,300	11,500
Mexico	11,417	15,691	15,629	12.4	13.2	14.0	12.3	141,390	207,860	219,280
Nicaragua	308	328	319	15.2	12.8	11.9	12.3	4,675	4,200	3,800
United States	80,826	73,327	83,529	38.5	51.8	51.3	53.0	3,112,091	3,800,863	4,281,316
Cuba	415	383	457	16.0	15.1	16.8	--	6,640	5,800	7,700
Estimated total 5/	96,760	94,250	104,330	34.4	43.5	44.0	45.4	3,331,000	4,097,000	4,589,000
Europe:										
Austria	156	121	114	34.8	50.4	50.3	54.7	5,426	6,100	5,730
France	894	1,457	1,740	29.5	45.2	41.3	51.0	26,394	65,870	71,800
Greece	630	511	523	15.5	17.3	21.5	21.2	9,754	8,830	11,025
Italy	3,316	3,200	3,150	33.8	45.3	48.6	46.2	112,232	145,000	153,000
Portugal	1,183	1,185	1,196	14.4	14.1	13.2	13.5	16,986	16,720	15,840
Spain	991	939	964	27.2	38.4	40.9	40.4	26,980	36,060	39,400
Estimated total Western Europe 5/	7,220	7,430	7,690	27.8	37.7	38.6	40.5	201,000	280,000	297,000
Europe:										
Albania	300	390	--	16.0	15.4	--	--	4,800	6,000	--
Bulgaria	1,780	1,455	1,843	15.4	18.9	25.3	--	27,500	27,500	46,700
Czechoslovakia	350	445	462	34.9	42.4	45.5	--	12,200	18,850	21,000
Hungary	2,830	3,225	3,356	30.5	35.7	41.7	35.8	86,200	115,000	140,000
Rumania	7,350	9,000	8,785	17.0	16.0	25.5	--	125,000	144,000	224,000
Yugoslavia	5,950	5,906	6,375	21.8	26.3	41.3	38.0	130,000	155,500	263,000
Estimated total Eastern Europe 5/	18,600	20,460	21,210	20.8	23.0	33.1	29.5	387,000	470,000	703,000
Estimated total all Europe 5/	25,820	27,890	28,900	22.8	26.9	34.6	32.5	588,000	750,000	1,000,000
U.S.S.R. (Europe and Asia) 6/	10,400	20,000	21,500	18.3	30.0	19.8	20.0	190,000	600,000	425,000
Asia:										
Turkey	1,581	1,678	1,730	19.9	14.9	18.2	17.7	31,402	25,000	31,500
China	--	--	--	--	--	--	--	410,000	--	--
India	8,745	10,457	10,457	11.4	12.9	13.8	13.7	99,892	135,240	144,600
Pakistan	1,013	1,139	1,199	15.8	16.4	16.0	16.7	16,016	18,680	19,200
Indonesia	5,210	6,677	5,700	13.8	15.5	14.6	14.4	72,000	103,700	83,000
Japan 7/	107	122	118	33.3	35.8	34.7	33.5	2,488	4,370	4,094
Philippines	2,764	3,300	3,272	10.3	12.1	12.1	13.8	28,384	40,000	39,450
Thailand	109	385	491	13.1	18.9	25.5	25.3	1,428	7,280	12,500
Estimated total 5/	42,600	48,160	49,350	16.7	18.3	17.3	16.8	710,000	880,000	855,000
Estimated total 5/	25,820	27,890	28,900	22.8	26.9	34.6	32.5	588,000	750,000	1,000,000
U.S.S.R. (Europe and Asia) 6/	10,400	20,000	21,500	18.3	30.0	19.8	20.0	190,000	600,000	425,000
Asia:										
Turkey	1,581	1,678	1,730	19.9	14.9	18.2	17.7	31,402	25,000	31,500
China	--	--	--	--	--	--	--	410,000	--	--
India	8,745	10,457	10,457	11.4	12.9	13.8	13.7	99,892	135,240	144,600
Pakistan	1,013	1,139	1,199	15.8	16.4	16.0	16.7	16,016	18,680	19,200
Indonesia	5,210	6,677	5,700	13.8	15.5	14.6	14.4	72,000	103,700	83,000
Japan 7/	107	122	118	33.3	35.8	34.7	33.5	2,488	4,370	4,094
Philippines	2,764	3,300	3,272	10.3	12.1	12.1	13.8	28,384	40,000	39,450
Thailand	109	385	491	13.1	18.9	25.5	25.3	1,428	7,280	12,500
Estimated total 5/	42,600	48,160	49,350	16.7	18.3	17.3	16.8	710,000	880,000	855,000

Africa:													
Republic of the Congo 8/	1,092	1,151	1,185		13.5	17.6	19.4		14,768	20,300	23,000		
Kenya 9/	425				28.2				12,000	15,000	13,000		
Egypt	1,819	2,030	1,929	1,882	33.9	34.1	30.6	34.6	61,670	69,200	59,000	65,200	
Morocco 10/	1,236	1,184	1,000	1,184	7.7	12.3	13.5	9.6	9,536	14,515	13,520	11,330	
Former French West Africa	1,733				9.8				16,975				
Malagasy Republic	200	230			14.0	12.6			2,800	2,900			
Angola	1,300	1,544			8.2	8.2			10,670	12,600	13,800		
Rhodesias and Nyasaland		3,000				15.7				47,000	44,000		
Union of South Africa	7,865				14.7				115,450	144,000	148,600		
Estimated total 5/	25,680	29,480	29,170	29,370	15.0	15.9	15.9	15.7	385,000	470,000	455,000	460,000	
South America:													
Argentina	4,833				24.8				120,098	215,000	175,000	200,000	
Brazil	12,700	14,308	13,640	14,430	19.4	20.3	20.9	21.8	247,000	290,000	285,000	315,000	
Chile	135	167	161	163	26.2	31.4	30.4		3,542	5,240	4,890		
Colombia	1,800	1,742	1,631	1,730	17.1	19.2	15.7	17.1	30,800	33,500	25,600	29,500	
Peru	636	589	568		19.2	19.7	21.5		12,186	11,580	12,200		
Uruguay	643	766	660	500	10.7	6.8	5.3		6,902	5,240	3,500		
Venezuela	700	735			18.4	19.0			12,850	14,000	14,000		
Estimated total 5/	22,380	25,870	24,910	26,090	20.1	22.8	21.7	23.0	450,000	590,000	540,000	600,000	
Oceania:													
Australia	173	180	186	205	26.9	37.2	36.0		4,654	6,700	6,700		
New Zealand	5	7	8	8	62.0	60.0	60.0		310	420	480		
Estimated total 5/	180	190	200	220	27.8	36.8	35.0	36.4	5,000	7,000	7,000	8,000	
Estimated world total 5/	223,820	245,840	258,360	267,490	25.3	30.1	30.5	30.3	5,660,000	7,395,000	7,880,000	8,100,000	

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which follow; thus the crop harvested in the Northern Hemisphere in 1960 is combined with preliminary forecasts for the Southern Hemisphere harvest which begins early in 1961. 2/ Figures refer to harvested area as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Revised estimates for Northern Hemisphere countries; for the Southern Hemisphere, revised preliminary forecasts. 5/ Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Soviet corn area shown is reported as area harvested for grain only, whereas reported production presumably includes also grain equivalent from some of the acreage harvested in an immature stage. 7/ Dried corn only. Previous published series included some immature corn. 8/ Includes Ruanda-Urundi. 9/ Production on European holdings only. Allowances for native cultivation, not shown, are included in estimated total for Africa. 10/ Excludes areas formerly known as Spanish Morocco and Tangier.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

the 1960 crop of 103 million bushels contrasts with the 1950-54 average of 26 million. During that period acreage jumped from 894,000 acres to 2,016,000 acres. Yields also are up sharply, the 1960 average of 51.0 bushels per acre contrasting with 29.5 bushels in 1950-54.

Production has also increased in Italy though not so markedly as in France. The current estimate of 150 million bushels is slightly less than in 1959 but is well above the 1950-54 average of 112 million. France and Italy, together, produced three-fourths of Western Europe's total in 1960.

The corn crop in Eastern Europe was large, though not up to the 1959 record. Some reduction is reported in each of the Danube Basin countries, the main producing area. Though smaller than the record 1959 harvest, production in both Yugoslavia and Rumania is reported at a near-record level and these countries appear to have a surplus for export.

Corn acreage was increased substantially in 1960 in the Soviet Union, and the harvest of mature grain and of ears in the immature stage is estimated to be well above the 1959 harvest and only slightly below the record outturn of 600 million bushels in 1958. This is in line with the government's program to expand corn production for domestic use as feed.

The 1960 corn crop in Asia is slightly smaller than in 1959 but is still well above average. Expanded acreage in most of the largest producing countries accounts for higher level of production. No significant change in yields is reported.

Little change from Africa's large 1959 corn total is expected this season. Above-average prospects for the crop nearing the harvesting season in Southern Hemisphere countries account for maintenance of this high level.

The outlook is for the largest corn crop of recent years in South America. If conditions continue favorable through the harvest period starting in March, the outturn may be 600 million bushels, compared with 540 million a year ago and an average of 450 million during 1950-54. Prospects are good in both Argentina and Brazil. These countries together produce 80 to 85 percent of South America's corn.

Corn is of minor importance in Oceania and a 1960 crop of 8 million bushels is forecast. This is slightly above the 1959 production of 7 million.

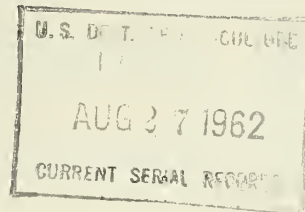


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Foreign Agricultural Service Washington D.C.



GRAIN
FG 5-61
April 1961

WORLD'S 1960 BREADGRAIN CROP

STILL ESTIMATED AT NEAR-RECORD

Revised estimates for 1960 world breadgrain production bring the total slightly lower than previously estimated. (See forecast in monthly supplement issue of Foreign Crops and Markets, December 29, 1960.) Principal changes since the earlier forecast were caused by further revised wheat figures reducing estimates for the Soviet Union and South America and increasing the estimate for Australia.

As now estimated at 282 million short tons, breadgrain production is 1 percent below the near-record 1959 harvest and 7 percent below the 1958 record of 302 million tons.

World wheat production is now estimated at 8,180 million bushels, 30 million above the 1959 crop but well below the record crop of 8,700 million in 1958. The world rye crop was the smallest of recent years because of reduced acreage. Reductions were principally in the Soviet Union and Eastern Europe, which together account for about 70 percent of world rye production.

Wheat production in North America is now estimated at an alltime high of 1,900 million bushels compared with the previous high of 1,880 million in 1958. Acreage was only 85 percent of the 1950-54 average but yields were near-record.

Rye production in North America is above average because of the large U.S. crop. Canada's crop, though slightly larger than the poor harvests of the past 2 years, is only about half of the 1950-54 average.

WHEAT: Acreage, yield per acre, and production in specified countries, year of harvest, average 1950-54, annual 1958-60 $\frac{1}{2}$

Continent and country	Acreage $\frac{2}{2}$			Yield per acre $\frac{3}{2}$			Production			
	Average 1950-54	1958	1959	Average 1950-54	1958	1959	Average 1950-54	1958	1959	
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	Bushels	Bushels	Bushels	Bushels
North America:										
Canada	26,130	20,899	23,065	23,198	17.8	17.9	537,632	371,730	413,520	489,624
Mexico	1,647	2,075	2,338	1,853	13.2	22.0	21,788	49,130	51,440	45,930
United States	63,361	53,404	52,665	52,643	17.3	21.4	1,094,183	1,461,714	1,126,682	1,363,443
Estimated total $\frac{5}{5}$	91,200	76,460	78,160	77,780	18.1	20.4	1,654,000	1,883,000	1,592,000	1,900,000
Europe:										
Austria	573	650	661	685	29.5	32.7	16,920	20,160	21,620	25,800
Belgium	421	542	496	498	48.2	58.8	20,278	28,600	29,145	28,150
Denmark	195	190	218	203	54.5	61.4	10,630	10,100	13,375	11,570
Finland	377	313	344	447	23.2	25.2	8,739	7,900	8,900	13,500
France	10,916	11,404	10,970	10,776	28.9	38.7	315,244	353,000	425,000	400,000
Germany, West	2,728	3,226	3,295	3,429	40.4	50.2	110,228	136,080	165,540	181,750
Greece	2,410	2,750	2,875	2,820	16.6	22.6	40,042	65,600	65,000	61,200
Ireland	362	419	282	365	36.0	48.2	13,036	12,880	13,600	16,700
Italy	12,085	12,100	11,600	11,300	23.8	26.8	288,080	360,000	311,000	250,000
Luxembourg	45	--	--	--	30.7	--	1,382	1,550	--	--
Netherlands	209	275	297	313	54.4	61.1	11,376	14,700	18,140	21,670
Norway	56	20	23	22	30.0	31.7	1,682	620	730	870
Portugal	1,785	2,006	2,094	1,920	13.2	14.8	23,526	29,700	22,900	16,150
Spain	10,470	10,872	10,774	10,378	14.8	15.4	155,000	167,000	170,000	132,000
Sweden	896	698	778	836	33.1	31.5	29,640	22,000	30,725	30,000
Switzerland	225	250	256	255	41.9	47.5	9,430	11,900	12,150	12,750
United Kingdom	2,263	2,208	1,929	2,114	41.8	45.8	94,640	101,200	104,000	109,000
Estimated total Western Europe $\frac{5}{5}$	46,020	47,970	46,940	46,410	25.0	30.1	1,150,000	1,345,000	1,415,000	1,313,000
Bulgaria	3,540	3,555	3,457	--	18.6	21.7	66,000	72,500	75,000	--
Czechoslovakia	1,840	1,820	1,875	--	28.5	29.9	52,900	50,000	56,000	--
Germany, East	1,120	1,087	1,075	--	34.0	44.5	38,100	47,500	47,800	--
Hungary	3,400	2,936	2,759	2,598	21.3	25.4	72,500	55,000	70,150	65,000
Poland	2,730	3,640	3,546	--	19.0	25.9	70,800	86,000	92,000	--
Romania	6,710	7,346	7,383	--	16.2	19.9	108,750	110,000	147,000	--
Yugoslavia	--	4,917	5,263	5,090	--	18.3	80,000	90,000	151,750	131,170
Estimated total Eastern Europe $\frac{5}{5}$	25,500	25,550	25,610	25,230	19.2	25.2	490,000	515,000	645,000	592,000
Estimated total all Europe $\frac{5}{5}$	71,520	73,520	72,550	71,640	22.9	28.4	1,640,000	1,860,000	2,060,000	1,905,000
U.S.S.R. (Europe and Asia) $\frac{6}{6}$	111,500	165,000	157,000	148,500	11.1	13.9	1,240,000	2,300,000	1,900,000	1,700,000

Asia:															
Iran	1,871	--	--	--	--	--	--	--	--	--	75,100	99,200	110,000	96,000	
Iraq	90	130	137	130	11.9	--	--	--	--	--	22,210	27,700	24,200	2,300	
Israel	651	500	525	500	11.1	17.7	19.7	10.0	10.0	10.0	1,000	2,300	3,800	1,600	
Jordan	2,277	153	153	128	8.6	4.6	7.2	5.7	5.7	5.7	5,600	1,300	920	735	
Lebanon	13,514	16,000	--	--	11.6	8.4	7.0	--	--	--	26,510	20,640	14,700	12,000	
Syria	24,456	29,300	31,141	31,508	15.8	15.0	--	--	--	--	213,598	240,000	225,000	260,000	
Turkey	10,364	11,815	12,000	12,193	10.4	9.9	11.7	11.5	11.5	11.5	890,000	290,000	365,000	363,400	
China	1,766	1,480	1,486	1,489	12.5	11.6	12.0	11.9	11.9	11.9	129,800	137,000	144,000	144,700	
India	245	313	310	310	17.9	14.1	17.1	37.8	37.8	37.8	53,322	47,070	52,000	56,250	
Pakistan	127,800	140,730	140,760	143,880	13.8	13.6	13.5	13.6	13.6	13.6	1,765,000	1,910,000	1,900,000	1,950,000	
Japan	4,267	4,500	4,302	4,725	9.7	9.3	9.4	11.6	11.6	11.6	41,508	42,000	40,600	55,000	
Korea, South	1,631	1,479	1,531	1,512	30.1	35.1	34.6	36.4	36.4	36.4	49,060	51,900	53,000	55,000	
Estimated total 5/	3,496	4,040	3,870	4,057	10.1	9.9	9.4	9.1	9.1	9.1	35,302	40,000	36,500	37,000	
Africa:															
Algeria	2,399	3,170	3,274	3,246	8.3	6.0	5.9	5.0	5.0	5.0	19,996	19,100	19,300	16,700	
Egypt	3,020	3,189	3,156	--	7.6	7.1	8.6	--	--	--	23,040	22,630	27,200	28,200	
Morocco 7/	16,480	18,180	18,170	18,760	11.2	10.7	11.0	11.2	11.2	11.2	185,000	195,000	200,000	210,000	
Tunisia	11,871	12,954	10,818	--	18.2	18.9	19.9	--	--	--	216,204	245,000	215,000	160,000	
Union of South Africa 8/	1,475	2,200	--	--	12.5	6.8	--	--	--	--	18,500	15,000	13,600	13,000	
Estimated total 5/	1,910	2,159	2,185	2,110	18.7	20.0	18.6	19.1	19.1	19.1	35,764	43,265	40,600	40,400	
South America:															
Argentina	430	395	440	410	11.3	13.0	13.0	12.9	12.9	12.9	4,860	5,700	5,140	5,300	
Brazil	410	334	370	370	14.2	14.1	15.9	16.2	16.2	16.2	5,814	4,700	5,900	6,000	
Chile	1,515	1,707	725	1,235	14.8	7.7	9.2	13.2	13.2	13.2	22,376	13,200	6,700	16,350	
Colombia	17,840	20,090	16,870	15,260	17.1	16.4	17.2	16.1	16.1	16.1	305,000	330,000	290,000	245,000	
Peru	10,716	10,400	12,173	12,857	16.9	20.7	16.3	20.2	20.2	20.2	181,150	215,100	198,500	260,000	
Uruguay	116	133	161	165	40.7	45.4	52.8	50.0	50.0	50.0	4,720	6,040	8,500	8,250	
Estimated total 5/	10,832	10,533	12,334	13,022	17.2	21.0	16.8	20.6	20.6	20.6	185,870	221,140	207,000	268,250	
Oceania:															
Australia	447,170	504,510	495,840	488,840	15.6	17.2	16.4	16.7	16.7	16.7	6,975,000	8,700,000	8,150,000	8,180,000	
New Zealand	10,716	10,400	12,173	12,857	16.9	20.7	16.3	20.2	20.2	20.2	181,150	215,100	198,500	260,000	
Total Oceania	457,886	514,910	508,013	501,697	15.6	17.2	16.4	16.7	16.7	16.7	7,156,150	8,915,100	8,348,500	8,440,000	
Estimated world total 5/	10,832	10,533	12,334	13,022	17.2	21.0	16.8	20.6	20.6	20.6	185,870	221,140	207,000	268,250	

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1960 is combined with preliminary forecasts for the Southern Hemisphere harvests which began late in 1960 and ended early in 1961. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Revised estimates for Northern Hemisphere countries; for Southern Hemisphere, revised preliminary forecasts. 5/ Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Tentative unofficial estimates for production. 7/ Excludes data for areas formerly known as Spanish Morocco and Tangier. 8/ Production on European holdings only.

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RYE: Acreage, yield per acre, and production in specified countries, year of harvest, average 1950-54, annual 1958-60 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production		
	Average 1950-54	1958	1959	Average 1950-54	1958	1959	Average 1950-54	1958	1959
North America:									
Canada	1,159	521	517	543	15.4	15.9	18.6	8,002	8,200
United States	1,619	1,773	1,443	1,652	18.2	15.5	19.4	22,186	32,339
Total	2,778	2,294	1,960	2,195	14.4	17.5	19.2	40,188	30,539
Europe:									
Austria	601	509	538	421	27.5	30.5	33.0	16,508	15,630
Belgium	205	170	162	152	43.1	46.3	46.5	8,832	7,870
Denmark	323	304	299	281	38.2	38.1	45.7	12,332	12,050
Finland	276	189	255	274	24.3	25.1	28.1	6,694	7,000
France	1,104	857	811	743	18.4	19.8	22.2	20,327	16,930
Germany, West	3,427	3,714	3,521	3,253	38.3	39.8	43.4	131,400	147,680
Greece	155	106	81	71	13.7	15.2	15.5	2,120	1,060
Italy	238	167	167	155	21.7	24.8	23.7	5,160	4,140
Luxembourg	14	--	--	--	31.4	--	--	439	--
Netherlands	428	357	355	375	43.6	47.1	48.3	18,644	15,180
Norway	2	1	3	3	30.0	30.0	40.0	60	90
Portugal	652	625	672	618	11.1	13.2	7.4	7,227	8,220
Spain	1,526	1,369	1,406	1,384	12.7	14.8	10.1	19,390	20,300
Sweden	312	228	240	257	33.0	30.7	35.6	10,392	7,000
Switzerland	35	30	31	36	41.1	51.3	41.1	1,438	1,575
United Kingdom	59	23	14	21	35.1	36.5	40.0	2,072	840
Estimated total Western Europe 5/	9,260	8,670	8,570	8,160	28.1	30.6	32.5	263,000	272,000
Bulgaria	530	275	275	--	16.0	13.1	--	8,500	3,600
Czechoslovakia	1,550	1,231	1,200	--	26.5	29.5	--	42,100	36,300
Germany, East	3,110	2,703	2,548	--	26.8	31.7	--	83,300	88,500
Hungary	1,275	930	875	745	19.4	15.7	18.9	24,700	14,600
Poland	12,345	12,880	12,852	--	19.0	22.5	--	235,000	289,400
Romania	500	370	295	--	16.6	17.1	--	8,300	5,050
Yugoslavia	--	613	583	526	--	17.9	--	8,500	9,490
Estimated total Eastern Europe 5/	19,990	19,030	18,760	17,130	20.5	23.6	24.5	410,000	450,000
Estimated total all Europe 5/	29,350	27,700	27,330	25,290	22.9	25.8	27.1	673,000	715,000
U.S.S.R. (Europe and Asia) 6/	54,000	43,500	42,175	40,800	12.8	14.9	12.7	690,000	650,000
Asia:									
Turkey	1,410	1,643	1,621	1,425	16.1	15.2	12.3	22,700	25,000
Africa:									
Union of South Africa	56	--	--	--	6.4	--	--	360	--
South America:									
Argentina	2,222	2,629	3,254	--	11.7	12.2	--	26,000	32,160
Estimated world total 5/	90,130	78,150	76,740	72,130	16.1	18.7	18.8	1,455,000	1,440,000

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1960 is combined with preliminary forecasts for the Southern Hemisphere harvests, which began late in 1960 and ended early in 1961. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Revised estimates for Northern Hemisphere countries, for Southern Hemisphere, revised preliminary forecasts. 5/ Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Tentative unofficial estimates for production.

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Estimates for Europe's production of these grains show little change from earlier estimates. This means near-record wheat production and a slightly above average rye crop.

The Soviet Union's wheat crop is now estimated at 1.7 billion bushels. This is much below early-season expectations and is the smallest outturn since 1955. Rye production is estimated at 520 million bushels, compared with 600 million in 1959 and the 1950-54 average of 690 million.

Southern Hemisphere harvests are now complete and the outturn in South America was smaller than expected mainly because of a poor crop in Argentina. In contrast, Australia's production is even larger than expected and is considerably above any previous harvest.



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RECORD GRAIN SUPPLIES CONTINUE

IN EXPORTING COUNTRIES

Grain supplies on January 1 in the 4 principal exporting countries continued their upward trend to reach another record, according to Foreign Agricultural Service estimates.

A total of 277 million short tons is estimated for wheat, rye, barley, oats, and corn. In addition, record U.S. stocks of grain sorghums, amounting to 29 million short tons, add to the large grain surpluses in this country. The present U.S. sorghum supply exceeds the previous record at the beginning of 1960 by 4 million tons and is 4 times the 1950-59 average of 7 million.

Sorghums are much less important in the other exporting countries, though Argentina has tripled production in the past 3 years. Even at the new rate, however, total production in that country is still somewhat less than 5 percent of U.S. production.

The current total of 277 million tons of the principal grains in the 4 countries is 6 percent above last year's large figure and considerably above any previous holdings. By far the largest increase from 1960 supplies is in the United States, with an increase of over 15 million tons, mostly corn and wheat. Supplies are also up in Canada and Australia but Argentina's supplies are the smallest of recent years.

Total supplies of wheat in the 4 countries on January 1 were estimated at 3.45 billion bushels, compared with 3.20 billion at the beginning of 1960. Supplies were larger except in Argentina, where they are 25 percent less than a year ago.

GRAINS: Estimated stocks in principal exporting countries, January 1, 1945-1961 ^{1/}

Country and year	Wheat	Rye	Barley	Oats ^{2/}	Corn	Total
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	1,000 short tons
United States:						
Average 1945-49	764	16	200	898	2,062	100,272
Average 1950-54	1,040	16	196	856	2,582	122,344
1955	1,481	26	285	967	2,849	147,242
1956	1,567	29	307	1,043	3,082	158,174
1957	1,489	19	292	792	3,418	160,586
1958	1,383	20	360	928	3,611	166,646
1959	1,820	24	394	1,045	3,927	191,404
1960	1,876	20	362	771	4,393	200,868
1961 ^{3/}	2,066	26	352	851	4,700	216,372
Canada:						
Average 1945-49	382	8	116	292	^{4/}	19,432
Average 1950-54	563	20	194	351	^{4/}	28,073
1955	740	28	225	290	^{4/}	33,314
1956	840	27	250	342	^{4/}	37,770
1957	970	20	274	487	^{4/}	44,515
1958	920	20	271	437	^{4/}	42,093
1959	830	13	270	385	^{4/}	38,289
1960	820	12	265	360	^{4/}	37,416
1961 ^{3/}	885	14	250	365	^{4/}	39,147
Argentina:						
Average 1945-49	262	21	47	71	79	12,924
Average 1950-54	217	32	36	68	35	10,338
1955	325	30	55	50	30	13,550
1956	260	30	55	55	25	11,540
1957	300	40	67	85	40	14,208
1958	265	33	50	80	45	12,614
1959	290	35	50	60	60	13,520
1960	260	38	52	70	55	12,772
1961 ^{3/}	195	25	40	60	25	9,170
Australia:						
Average 1945-49	162	^{4/}	13	29	^{4/}	5,636
Average 1950-54	209	^{4/}	30	46	^{4/}	7,726
1955	245	^{4/}	30	50	^{4/}	8,870
1956	280	^{4/}	40	75	^{4/}	10,560
1957	207	^{4/}	47	60	^{4/}	8,298
1958	132	^{4/}	34	37	^{4/}	5,368
1959	220	^{4/}	67	110	^{4/}	9,968
1960	245	^{4/}	40	100	^{4/}	9,910
1961 ^{3/}	305	^{4/}	65	110	^{4/}	12,470
Total:						
Average 1945-49	1,570	45	376	1,290	2,141	138,264
Average 1950-54	2,029	68	456	1,321	2,617	168,481
1955	2,791	84	595	1,357	2,879	202,976
1956	2,947	86	652	1,515	3,107	218,044
1957	2,966	79	680	1,424	3,458	227,607
1958	2,700	73	715	1,482	3,656	226,721
1959	3,160	72	781	1,600	3,987	253,181
1960	3,201	70	719	1,301	4,448	260,966
1961 ^{3/}	3,451	65	707	1,386	4,725	277,159

^{1/} Data for Northern Hemisphere countries represent stocks remaining on January 1; estimates for Southern Hemisphere countries include the recently harvested new crop of small grains as well as carryover stocks of old grain on January 1. ^{2/} Canadian oats in bushels of 34 pounds; data for other countries in bushels of 32 pounds. ^{3/} Preliminary estimates. ^{4/} Production small and remaining stocks are of minor importance.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign government, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

Corn shares almost equally with wheat in the increase from last year's total. A minor increase is estimated for oats but barley and rye stocks are slightly smaller.

A country breakdown shows U.S. stocks of the 5 grains on January 1 at 216 million short tons. This is 8 percent above the previous high in 1960 and 77 percent above the 1950-54 average. Wheat and corn stocks are at alltime highs. Stocks of oats on January 1 showed some recovery from the low level of a year ago and were back at the 1950-54 level. Barley stocks were slightly less than in January 1960 but were still well above average. Rye stocks were larger than last year and considerably above average.

U.S. wheat stocks of 2,066 million bushels exceed the 1960 record by 10 percent and were 60 percent above the average of the preceding 10 years. Corn in all storage positions totaled a record 4.7 billion bushels at the beginning of January, about 300 million above the 1960 record. Corn on farms shows little increase from a year ago but corn in interior mills, elevators and warehouses, at 952 million bushels, is up about 160 million bushels from a year earlier. Corn owned by the Commodity Credit Corporation is about 118 million bushels above the beginning of 1960.

Barley stocks, estimated at 352 million bushels, are slightly less than a year ago but somewhat above the 1950-59 average of 262 million bushels. Oats stocks were 851 million bushels, compared with 771 million last year and the 10-year average of 906 million. Rye stocks of 26 million bushels are the largest January stocks since 1956.

Canada's total grain stocks, at 39 million short tons, are slightly larger than in 1960, mainly because of a rise in wheat stocks. January wheat stocks of 885 million bushels compare with 820 million last year. Slight increases in stocks of rye and oats are offset by reduced holdings of barley.

Southern Hemisphere figures represent total supplies in the country, i.e. carryover of old grain, plus estimates for the entire harvest of small grains nearing completion in early January. Argentine corn, however, as is the case for all Northern Hemisphere grains, represents stocks of old grain on January 1 from previous harvests.

Grain supplies in Argentina on January 1 are estimated at 9.2 million short tons, compared with 12.8 million a year earlier. This reduction is due to small grain harvests in 1960 and is the smallest supply since the beginning of 1952. Wheat supplies were well below average, as estimated at 195 million bushels, and exportable supplies will be limited. Supplies of other grains are also below average.

Australia's supplies are a reversal of Argentina's. Total supplies this year are at an alltime high of 12.5 million tons compared with 9.9 million a year ago. Most of the increase is in wheat, supplies at January 1 being estimated at 305 million bushels compared with 245 million a year earlier. Record harvests of all grains have recently been completed.

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NEAR-RECORD 1960 WORLD BARLEY

AND OATS CROPS CONFIRMED

Latest information confirms earlier Foreign Agricultural Service forecasts of a near-record world crop of barley and oats in 1960. The combined production of the 2 grains is now estimated at 146 million short tons, only slightly below the 1956 record.

A record barley crop is the principal factor in the large production. As now estimated at 3,410 million bushels, world barley is slightly above the previous record in 1956. Oats production of 4,000 million bushels, though well above the small 1959 outturn, is still below average.

Principal areas contributing to the high barley outturn are North America, Western Europe, the Soviet Union and Australia. Oats production was above average only in the Soviet Union, South America, and Australia.

North America's barley total of 639 million bushels is slightly below the 1959 outturn because of a reduction in Canada's crop. Sharply reduced Canadian acreage was only partly offset by good yields. There was little change from the 1959 harvest in the United States.

Oats production in North America is estimated at 1,624 million bushels. This increase of 9 percent, compared with the 1959 production, is shared by Canada and the United States. Acreage was down in both countries but yields were somewhat higher.

Barley production in Western Europe was at an alltime high because of increased acreage and high yields. Record or near-record crops in Denmark, France, West Germany, and the United Kingdom accounted for 75

BARLEY: Acreage, yield per acre, and production in specified countries, year of harvest,
average 1950-54, annual 1958-60 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production			
	Average 1950-54	1958	1959	Average 1950-54	1958	1959	Average 1950-54	1958	1959	
	1,000 acres	acres	1,000 acres	Bushels	Bushels	Bushels	bushels	bushels	bushels	
North America:										
Canada	7,916	9,548	8,289	28.9	25.6	27.2	28.1	244,764	225,550	207,036
Mexico	573	593	605	13.2	13.9	14.0	14.0	7,554	8,270	8,500
United States	10,173	14,923	15,087	27.8	31.8	28.0	30.3	283,026	475,196	422,073
Estimated total 5/	18,660	25,060	23,980	27.8	29.1	27.4	29.2	519,000	728,000	639,000
Europe:										
Austria	363	427	441	36.6	36.1	42.2	52.3	13,288	15,400	18,620
Belgium	213	234	272	58.0	62.4	67.3	67.4	12,344	14,600	18,300
Denmark	1,390	1,781	1,858	64.4	64.1	57.8	69.6	89,450	114,130	107,380
Finland	358	552	576	30.5	33.8	26.4	38.0	10,904	18,670	15,230
France	2,713	4,403	4,914	32.9	40.6	46.1	50.6	89,372	178,800	226,480
Germany, West	1,733	2,178	2,350	47.5	51.1	55.6	61.1	82,320	111,300	130,600
Greece	522	483	456	20.0	25.4	21.9	24.1	10,424	12,260	10,000
Ireland	174	310	333	32.2	49.7	63.5	58.3	8,910	15,400	21,140
Italy	619	554	546	21.1	24.5	23.4	19.9	13,057	13,600	12,800
Netherlands	183	202	179	60.4	71.7	68.9	78.6	11,048	14,480	12,330
Norway	164	359	348	35.8	43.5	40.2	53.8	7,350	15,620	13,980
Portugal	380	376	339	36.5	44.8	9.0	6.2	5,620	4,670	3,040
Spain	3,903	3,739	3,706	22.8	21.8	25.4	18.1	88,830	81,620	94,160
Sweden	352	724	783	42.2	42.4	39.0	48.9	14,850	30,730	30,520
Switzerland	53	60	62	48.7	54.6	56.1	55.4	2,581	3,275	3,480
United Kingdom	2,051	2,755	3,059	48.9	53.7	61.3	57.0	100,326	147,930	187,410
Estimated total Western Europe 5/	15,190	19,160	20,250	36.9	41.4	44.7	46.6	561,000	793,000	905,000
Bulgaria	630	640	665	26.8	27.0	31.6	--	16,900	17,300	21,000
Czechoslovakia	1,556	1,654	1,660	33.5	33.3	40.8	--	52,100	55,100	67,700
Germany, East	702	825	875	48.5	48.5	51.8	--	26,800	40,000	45,300
Hungary	1,080	1,330	1,256	27.3	25.3	37.6	36.1	29,500	33,700	50,200
Poland	2,072	1,824	1,592	24.3	30.2	30.1	--	50,400	55,000	47,900
Rumania	1,235	722	715	15.8	19.7	28.8	--	19,500	14,200	20,600
Yugoslavia	--	964	934	--	22.4	28.3	27.1	16,600	21,590	24,300
Estimated total Eastern Europe 5/	8,300	7,980	7,790	25.8	29.7	35.9	33.7	214,000	237,000	280,000
Estimated total all Europe 5/	23,490	27,140	28,040	33.0	38.0	42.3	43.1	775,000	1,030,000	1,185,000
U.S.S.R. (Europe and Asia) 6/	22,500	23,500	23,700	15.6	18.7	16.0	18.7	350,000	440,000	380,000

Asia:												
Cyprus	135	148	--	18.9	19.2	--	2,547	2,840	2,250	1,900		
Iran	1,956	--	--	18.8	--	--	36,798	43,630	45,930	41,500		
Iraq	2,374	2,858	2,696	14.9	15.3	12.5	35,270	43,760	33,650	32,150		
Israel	175	128	126	125	19.2	23.7	2,880	2,460	2,985	--		
Lebanon	40	30	30	35	19.0	7.7	760	230	185	185		
Syria	848	1,200	--	14.5	8.8	--	12,292	10,500	6,000	5,000		
Turkey	5,540	5,500	6,500	23.2	23.6	21.5	128,380	130,000	140,000	142,000		
China	--	--	--	--	--	--	325,000	--	--	--		
India	8,020	7,549	8,243	14.7	13.8	15.1	118,280	104,440	124,700	121,570		
Pakistan	557	629	540	11.3	12.8	12.0	6,300	8,070	6,500	6,950		
Japan	2,400	2,282	2,206	2,071	37.8	43.6	90,439	86,350	96,200	95,625		
Korea, South	1,644	1,914	1,927	--	22.7	--	30,440	38,200	43,800	44,200		
Estimated total 5/	41,110	42,190	43,190	43,720	19.7	19.0	810,000	830,000	820,000	810,000		
Africa:												
Algeria	3,102	3,052	2,693	2,896	12.1	11.7	37,494	35,825	29,500	34,700		
Egypt	128	141	147	154	38.9	44.0	4,976	6,200	6,500	7,140		
Morocco 1/	4,934	4,277	4,255	4,077	14.4	13.7	71,220	58,420	50,355	48,360		
Tunisia	1,295	1,775	1,875	1,700	6.9	6.8	8,920	12,000	10,800	6,700		
Union of South Africa	135	--	--	--	17.4	--	2,350	1,060	1,100	--		
Estimated total 5/	11,520	11,790	11,490	11,410	13.0	11.9	150,000	140,000	130,000	130,000		
South America:												
Argentina	1,587	2,216	2,241	--	24.8	21.9	39,320	48,500	51,300	40,000		
Chile	136	165	171	166	31.7	30.3	4,316	5,000	5,860	5,500		
Colombia	122	104	138	138	22.5	33.2	2,740	3,450	4,640	4,870		
Peru	465	432	445	457	21.5	20.9	9,980	9,020	9,260	9,875		
Uruguay	81	165	109	172	16.6	6.8	1,344	1,130	1,350	2,550		
Estimated total 5/	2,830	3,650	3,680	3,490	23.0	20.5	65,000	75,000	80,000	70,000		
Oceania:												
Australia	1,412	2,400	2,400	2,748	22.2	27.1	31,350	65,000	35,500	68,500		
New Zealand	53	54	62	59	45.1	51.3	2,388	2,770	3,500	2,900		
Total	1,465	2,454	2,462	2,807	23.0	27.6	33,738	67,770	39,000	71,400		
Estimated world total 5/	121,580	135,780	136,540	135,870	22.2	24.4	2,700,000	3,310,000	3,290,000	3,410,000		

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1960 is combined with preliminary forecasts for the Southern Hemisphere harvests which begin late in 1960 and end early in 1961. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Revised estimates for Northern Hemisphere countries; for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Estimated totals, which in the case of production, are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Tentative unofficial estimates for production. 7/ Excludes data for areas formerly known as Spanish Morocco and Tangier.

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OATS: Acreage, yield per acre, and production in specified countries, year of harvest, average 1950-54, annual 1958-60 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production			
	Average 1950-54	1958	1959	Average 1950-54	1958	1959	Average 1950-54	1958	1959	
	acres	acres	acres	Bushels	Bushels	Bushels	bushels	bushels	bushels	
North America:										
Canada 5/	10,813	11,039	11,391	38.6	36.3	36.7	40.9	400,951	417,933	456,134
Mexico	206	247	235	18.2	23.5	17.9	22.1	3,759	5,800	4,200
United States	37,928	31,834	28,368	27,091	33.9	37.6	42.9	1,285,417	1,415,570	1,066,370
Estimated total 6/	48,950	43,120	40,000	38,510	34.9	37.2	42.2	1,707,000	1,822,000	1,489,000
Europe:										
Austria	539	440	403	44.8	52.2	53.2	59.5	24,156	22,960	21,460
Belgium	405	351	347	80.2	86.9	84.0	88.8	32,462	30,515	29,470
Denmark	647	502	504	90.8	88.9	77.6	94.3	58,740	44,640	39,130
Finland	1,143	1,092	1,139	47.1	50.4	42.1	61.3	53,801	55,000	47,970
France	5,596	3,675	3,715	43.3	49.4	52.2	53.8	242,298	181,700	194,000
Germany, West	2,681	2,069	2,005	1,847	67.3	70.1	81.3	180,322	149,600	140,470
Greece	365	356	319	26.2	32.6	30.1	32.5	9,558	11,600	9,600
Ireland	613	457	462	42.3	68.6	72.0	66.4	38,744	31,360	33,250
Italy	1,140	1,022	1,017	32.9	38.3	36.6	29.4	37,516	39,160	37,240
Luxembourg	52	--	--	50.0	--	--	--	2,602	--	--
Netherlands	368	340	309	87.5	90.4	71.2	94.4	32,210	30,720	22,000
Norway	187	140	160	62.7	62.6	50.6	77.0	11,726	8,760	8,100
Portugal	774	750	751	12.2	13.2	8.1	6.6	9,424	9,875	6,120
Spain	1,520	1,432	1,396	23.2	25.0	27.6	20.6	35,306	35,765	38,580
Sweden	1,215	1,319	1,325	1,378	47.8	46.7	59.7	58,124	61,600	54,230
Switzerland	64	40	39	77.3	81.0	85.1	81.1	4,946	3,240	3,320
United Kingdom	2,854	2,217	2,032	1,975	65.4	67.5	68.7	186,774	149,660	153,090
Estimated total Western Europe 6/	20,160	16,250	15,970	15,520	50.6	53.5	56.7	1,020,000	870,000	842,000
Bulgaria	397	383	383	27.7	27.4	33.9	--	11,000	10,500	13,000
Czechoslovakia	1,380	1,250	1,250	44.2	48.0	52.0	--	61,000	60,000	65,000
Germany, East	1,352	1,200	1,013	56.7	57.5	62.4	--	76,600	69,000	63,200
Hungary	355	428	420	31.0	30.8	41.9	40.0	11,000	13,200	17,600
Poland	4,130	4,210	4,200	35.8	43.5	41.0	42.0	148,000	183,000	172,200
Rumania	1,175	768	741	22.9	25.1	29.3	--	26,900	19,300	21,700
Yugoslavia	--	857	835	--	20.8	33.3	31.2	19,420	17,840	27,800
Estimated total Eastern Europe 6/	9,730	9,150	8,890	8,680	36.5	43.1	42.1	355,000	375,000	383,000
Estimated total all Europe 6/	29,890	25,400	24,860	24,200	46.0	49.3	51.4	1,375,000	1,245,000	1,225,000
U.S.S.R. (Europe and Asia) 7/	40,000	36,600	35,400	35,800	20.9	24.6	23.7	835,000	900,000	750,000

percent of total production of 985 million bushels in Western Europe. Production of oats, at 880 million bushels, is about 5 percent above the 1959 total because of high yields. Acreage was moderately below the 1959 area and both acreage and production were considerably below the 1950-54 average.

Eastern Europe's barley crop is estimated at 265 million bushels, compared with 280 million in 1959 and the 1950-54 average of 214 million bushels. Acreage was 5 percent below the average but yields were well above average. Oats production was 365 million bushels. This is about 5 percent below the large 1959 crop but slightly above average. Acreage was less than in 1959 and much below average, but yields were high.

Production of these grains is estimated to be above average in the Soviet Union mainly because of higher yields. Acreage of barley appears to have increased moderately but a substantial reduction in oats acreage is estimated.

Asia's barley crop of 810 million bushels is slightly below the above-average 1959 total. A slight increase in acreage was more than offset by reduced yields. An increase in production is indicated for oats mainly because of Turkey's larger outturn.

In Africa barley production of 130 million bushels was the same as the 1959 harvest. This is well below the average of 150 million bushels, because of smaller yields. Production of oats is minor and the current estimate of 15 million bushels is the same as the 1959 outturn.

Barley production in South America is estimated at 70 million bushels, 10 million below the large 1959 crop. The reduction is in the Argentine crop, which is at the average level in contrast to the large crop last year. Oats production of 75 million bushels in South America is 5 million less than in 1959 because of lower yields in Argentina.

Production of these grains was at a near-record level in Australia. The barley outturn of 68 million bushels is almost double the 1959 harvest and is more than double the 1950-54 average. Oats production, at 86.5 million bushels, has been exceeded only once and is double the 1950-54 average.



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U.S. EXPORTS OF PREPARED AND

MIXED FEEDS SET RECORD

U.S. exports of prepared and mixed feeds of cereal origin and of feeds and fodders not separately classified (but in which products of the grain milling and processing industries are important ingredients) reached a record of 419,000 short tons in 1959-60. The average for the 5-year period ending with 1953-54 was only 99,000 tons.

Products almost entirely of cereal origin (poultry feeds, corn feeds, wheat feeds, and dairy feeds) constituted 59 percent of the 1959-60 total. The remaining 41 percent consisted of fodders and feeds (including concentrates) not elsewhere classified, in which grain by-products of the milling, processing, brewing, and distilling industries represented a substantial part of the total.

The increase reflects expanding livestock numbers in many foreign countries, upward trends in consumer purchasing power, and per capita consumption of meat, eggs, and dairy products. Of the 1959-60 total, European countries took 41 percent and Western Hemisphere markets took 40 percent. Shipments to Asian markets are increasing but made up only 19 percent of the total. Exports to Africa and Oceania are relatively small.

Table 1.--FEEDS, PREPARED AND MIXED: U.S. exports by classification, average 1950-54, annual 1956-59

Commodity	Average 1950-54	1956-57	1957-58	1958-59	1959-60
	Short tons	Short tons	Short tons	Short tons	Short tons
Dairy feeds	4,000	12,045	6,937	6,041	4,509
Poultry feeds	29,000	97,498	109,253	113,169	115,558
Corn feeds	15,000	12,950	15,559	14,718	66,071
Wheat feeds	4,000	11,479	67,185	53,072	59,015
Fodders and other feeds	47,000	233,045	98,048	121,685	173,401
Total	99,000	367,017	296,982	308,685	418,554

Table 2.--FEEDS, PREPARED AND MIXED: Total exports by areas, 1955-56 through 1959-60

Area	1955-56	1956-57	1957-58	1958-59	1959-60
	Short tons	Short tons	Short tons	Short tons	Short tons
Western Hemisphere	197,120	160,798	170,202	183,840	166,282
Europe	223,806	177,303	59,019	53,978	170,890
Asia	40,067	27,856	66,583	69,907	79,601
Africa	503	577	597	662	989
Oceania	369	483	581	298	792
Total	461,865	367,017	296,982	308,685	418,554

Exports of prepared and mixed poultry feeds (mixed chicken feed, hen feed, laying mash, mash, Quaker 20, turkey pellets, and feeds containing less than 100,000 units of penicillin or 100,000 units of bacitracin per pound, or less than 1/10 gram of any other antibiotic per pound) represent the largest item among those in which grains are the most important ingredient. Exports of such products in 1959-60 show an increase of 300 percent compared with the 1950-54 average. The principal markets are in Central American and Caribbean countries, Mexico, the Guianas, and Venezuela.

Prepared or mixed corn feeds (bran, gluten feed and meal, grits and corn-meal, cracked corn, hominy feed and corn feed with added vitamin) were the second most important item in 1959-60 exports of feeds made largely from grain. Exports increased by more than 340 percent from 1950-54 to 1959-60. European countries, mainly the Netherlands, Iceland, West Germany, Italy, and Belgium were the leading buyers in 1959-60.

Prepared or mixed wheat feeds (bran, cracked and crushed wheat feed, middlings, red dog, shorts, mixed wheat feed, and wheat flakes, scalplings and screenings) constitute the third most important group of U.S. exports of prepared or mixed feeds. Exports in 1959-60 show an increase of more than 1,375 percent compared with the 1950-54 average. Japan continues as the largest buyer.

Exports of prepared or mixed dairy feeds (calf meal, mixed cattle feed, Con-O-Mineral, cow feed, Hon-E-Mix, and feeds containing less than 100,000 units of penicillin or 100,000 units of bacitracin per pound, or less than 1/10 gram of any other antibiotic per pound) in 1959-60 were about 13 percent above the 1950-54 average. The bulk of the exports went to Western Hemisphere markets.

Exports of fodders and other feeds (including concentrates) not elsewhere classified have fluctuated widely from year to year during the past five years. The 1959-60 total, however, was 269 percent larger than the 1950-54 average. European markets took about 59 percent of the 1959-60 exports, Western Hemisphere countries 28, and Japan 11 percent.

Feeds in this category include those from barley screenings; brewers' dried grain; dehydrated cereal grass feed; distillers' dried grains, grain chaff, hulls and screenings; malt sprouts; milo flour meal grits; oat blowings and clippings, and oat feed; rice bran, middlings, mill-feed, offal, shorts and middlings; rye mill feed and offal; sorghum meals; spent grain, and mash, dried; and those from a number of other products of vegetable origin.



Growth Through Agricultural Progress

Table 3.--POULTRY FEEDS, PREPARED AND MIXED: U.S. exports by country of destination, year beginning July 1, 1955-59

Country of destination	1955-56	1956-57	1957-58	1958-59	1959-60
	Short tons	Short tons	Short tons	Short tons	Short tons
Western Hemisphere:					
Canada	394	695	70	128	151
Mexico	9,622	24,384	27,633	18,663	9,416
Guatemala	715	1,299	1,504	2,493	5,322
British Honduras	97	258	361	549	810
El Salvador	638	1,238	1,233	1,805	2,088
Honduras	46	78	124	148	142
Nicaragua	--	10	111	135	331
Costa Rica	3,131	5,348	6,763	10,400	11,485
Panama Republic	2,131	2,233	1,382	1,060	1,199
Canal Zone	127	72	173	--	10
Bermuda	3,566	4,184	4,016	5,493	5,253
Bahamas	4,527	5,173	3,609	3,395	5,475
Cuba	11,581	11,300	15,182	14,786	7,746
Jamaica	4,279	6,221	9,514	13,998	16,045
Haiti	223	264	313	305	352
Dominican Republic	534	469	541	1,016	915
Leeward & Windward Is. :	178	265	292	593	665
Barbados	621	1,193	2,320	2,861	2,890
Trinidad and Tobago	8,839	9,271	11,556	13,260	12,766
Netherlands Antilles ...:	6,155	6,338	7,252	8,658	9,536
French West Indies	185	72	124	55	143
Colombia	6,053	1,340	413	127	127
Venezuela	5,147	4,312	7,323	5,290	4,653
British Guiana	800	1,836	2,375	3,790	5,749
Surinam	563	772	798	902	1,711
French Guiana	--	--	--	--	243
Ecuador	44	296	297	410	679
Peru	--	--	119	43	--
Bolivia	--	--	--	42	--
Brazil	--	--	--	--	2
Total	70,196	88,921	105,398	110,405	105,904
Europe:					
Iceland	3,326	3,787	926	202	2,452
Sweden	--	22	3	--	--
Netherlands	27	8	--	--	26
Belgium-Luxembourg	2	--	289	--	6
Germany, West	--	--	--	55	--
Poland	--	--	--	--	154
Italy	--	1	--	29	1,476
Greece	--	--	--	40	--
Total	3,355	3,818	1,218	326	4,114

(Continued)

Table 3.--POULTRY FEEDS, PREPARED AND MIXED: U.S. exports by country of destination, year beginning July 1, 1955-59 (Continued)

Country of destination	1955-56	1956-57	1957-58	1958-59	1959-60
	Short tons	Short tons	Short tons	Short tons	Short tons
Asia:					
Syria	--	--	--	--	25
Lebanon	180	398	622	513	1,816
Israel	--	--	--	86	76
Jordan	--	--	7	5	24
Kuwait	--	--	--	--	80
Saudi Arabia	273	--	--	--	--
Bahrein	--	--	--	25	--
Thailand	--	--	--	--	2
Vietnam, Laos & Cambodia:	--	328	8	--	30
Malaya	12	11	6	--	--
Philippines	2,140	2,628	948	1,064	1,110
Hong Kong	--	--	--	--	745
Japan	--	450	16	--	607
Nansei & Nanpo Islands	--	--	--	--	20
Total	2,605	3,815	1,607	1,693	4,535
Others:					
Australia	--	--	--	--	2
French Pacific Islands	296	436	446	204	264
Trust Territory of the Pacific	66	41	100	30	64
Libya	--	--	16	10	40
Ghana	--	--	--	35	--
Nigeria	--	--	--	50	--
Liberia	388	465	468	400	635
Belgian Congo	--	2	--	16	--
Total	750	944	1,030	745	1,005
World total	76,906	97,498	109,253	113,169	115,558

Table 4.--CORN FEEDS, PREPARED AND MIXED: U.S. exports by country of destination, year beginning July 1, 1955-59

Country of destination	1955-56	1956-57	1957-58	1958-59	1959-60
	Short tons	Short tons	Short tons	Short tons	Short tons
Western Hemisphere:					
Canada	81	162	279	531	887
Mexico	--	10	52	170	320
Guatemala	--	--	--	10	--
Panama	500	--	--	--	2
Bermuda	--	23	15	3	15
Bahamas	92	165	1,658	1,589	324
Cuba	10	--	20	932	465
Jamaica	--	50	105	25	643
Leeward & Windward Is. ...	--	--	32	--	--
Barbados	--	167	--	--	250
Trinidad & Tobago	--	--	--	226	1,579
Haiti	--	--	--	--	50
Netherlands Antilles ...	228	594	30	--	57
French West Indies	--	8	--	--	14
Colombia	5	--	64	--	--
British Guiana	13	--	20	--	20
Total	929	1,179	2,275	3,486	4,626
Europe:					
Iceland	12,732	11,655	12,455	8,013	10,522
Sweden	--	--	--	--	33
Denmark	--	15	--	--	447
Ireland	--	--	--	--	280
Netherlands	635	15	16	350	26,825
Belgium-Luxembourg	470	--	--	--	4,479
France	--	28	--	--	2,210
Germany, West	--	--	--	--	9,974
Switzerland	--	--	--	--	110
Italy	30	33	753	2,849	6,325
Total	13,867	11,746	13,224	11,212	61,205
Others:					
Philippines	31	--	--	--	225
Korea, Republic of	--	25	60	--	--
Taiwan (Formosa)	23	--	--	--	--
Japan	--	--	--	--	13
Trust Territory	5	--	--	--	2
Liberia	50	--	--	20	--
Total	109	25	60	20	240
World total	14,905	12,950	15,559	14,718	66,071

Table 5.--WHEAT FEEDS, PREPARED AND MIXED: U.S. exports by country of destination, year beginning July 1, 1956-59 ^{1/}

Country of destination	1956-57	1957-58	1958-59	1959-60
	Short tons	Short tons	Short tons	Short tons
Western Hemisphere:				
Canada	15	20	17	122
Mexico	82	--	31	--
Guatemala	--	--	--	52
El Salvador	--	--	--	75
Nicaragua	--	--	--	6
Costa Rica	--	--	20	72
Panama Republic	--	--	80	--
Bermuda	--	--	30	30
Bahamas	--	--	5	11
Cuba	--	30	6	348
Jamaica	20	20	132	110
Dominican Republic	80	160	72	15
Barbados	--	--	--	935
Trinidad and Tobago	60	--	85	373
Netherlands Antilles	--	--	195	350
Colombia	--	21	--	--
Venezuela	126	120	193	389
Surinam	62	20	6	84
Ecuador	--	--	20	151
Peru	--	--	1,646	--
Total	445	391	2,538	3,123
Europe:				
Iceland	80	363	100	151
United Kingdom	112	13,473	--	--
Netherlands	--	--	--	2,905
Italy	55	--	--	--
Total	247	13,836	100	3,056
Others:				
Saudi Arabia	30	38	--	--
Korea, Republic of	--	10	--	--
Hong Kong	--	--	551	--
Japan	10,757	52,885	49,883	52,836
Liberia	--	25	--	--
Total	10,787	52,958	50,434	52,836
World total	11,479	67,185	53,072	59,015

^{1/} Not separately reported in 1955-56. Included with "fodders and feeds, n.e.c."

Table 6.--DIARY FEEDS, PREPARED OR MIXED: U.S. exports by country of destination, year beginning July 1, 1956-59 ^{1/}

Country of destination	1956-57	1957-58	1958-59	1959-60
	Short tons	Short tons	Short tons	Short tons
Western Hemisphere:				
Canada	225	174	193	332
Mexico	596	362	754	156
Guatemala	21	203	63	110
British Honduras	--	--	50	--
El Salvador	88	55	134	234
Honduras	--	33	--	--
Nicaragua	--	--	21	24
Costa Rica	330	241	394	216
Panama	766	439	43	82
Canal Zone	1,902	1,355	--	--
Bermuda	575	467	268	30
Bahamas	185	410	414	395
Cuba	1,044	728	579	204
Jamaica	5	330	276	128
Haiti	--	6	--	10
Dominican Republic	78	38	29	61
Leeward and Windward Islands	--	20	30	--
Barbados	59	37	181	598
Trinidad and Tobago	43	132	256	218
Netherlands Antilles	255	756	779	353
French West Indies	--	22	--	--
Colombia	469	32	110	--
Venezuela	187	69	223	328
British Guiana	41	151	48	4
Surinam	--	112	51	28
Ecuador	--	15	25	--
Peru	66	98	40	10
Total	6,935	6,285	4,961	3,521
Europe:				
Iceland	4,969	226	330	--
Denmark	--	--	400	--
Belgium-Luxembourg	--	15	--	559
Portugal	--	--	--	5
Italy	110	363	275	373
Greece	3	--	--	6
Total	5,082	604	1,005	943
Others:				
Saudi Arabia	--	30	--	--
Singapore	--	18	--	--
Philippines	20	--	34	43
French Pacific Islands	--	--	41	2
Liberia	8	--	--	--
Total	28	48	75	45
World total	12,045	6,937	6,041	4,509

^{1/} Not separately reported in 1955-56. Included with "fodders and feeds, n.e.c."

Table 7.--FODDERS AND FEEDS, n.e.c.: U.S. exports by country of destination, year beginning July 1, 1955-59

Country of destination :	1955-56 :	1956-57 :	1957-58 :	1958-59 :	1959-60 :
Short tons :	Short tons :	Short tons :	Short tons :	Short tons :	Short tons :
Western Hemisphere:					
Canada	64,367	29,189	24,066	33,039	19,281
Mexico	34,105	14,682	12,626	8,449	6,160
Guatemala	295	424	302	587	654
British Honduras	--	--	8	20	12
El Salvador	154	120	45	154	747
Honduras	54	47	118	102	124
Nicaragua	158	--	40	39	75
Costa Rica	620	254	302	155	672
Panama	1,386	898	503	461	415
Canal Zone	2,485	195	280	16	90
Bermuda	2,658	1,903	1,700	808	1,336
Bahamas	917	87	234	625	629
Cuba	4,945	6,406	5,848	6,187	2,573
Jamaica	1,039	968	1,062	1,726	2,180
Haiti	25	91	39	50	74
Dominican Republic	1,872	297	345	227	131
Leeward & Windward Is. :	21	--	--	32	10
Barbados	118	118	133	418	909
Trinidad & Tobago	626	947	579	1,690	3,892
Netherlands Antilles ... :	1,042	1,161	693	1,072	1,368
Colombia	3,765	1,038	276	8	22
Venezuela	4,157	3,717	6,146	6,064	6,851
British Guiana	548	160	78	130	137
Surinam	177	84	109	57	84
French Guiana	--	--	--	--	10
Ecuador	125	195	33	148	278
Peru	336	276	167	157	157
Brazil	--	61	121	29	204
Argentina	--	--	--	--	33
Total	125,995	63,318	55,853	62,450	49,108
Europe:					
Iceland	4,368	5	2,836	1,856	992
Sweden	1,402	169	85	232	433
Norway	3,333	44	--	14	163
Denmark	33,598	8,388	1,327	2,967	4,907
United Kingdom	77,679	70,809	13,369	26,662	33,791
Ireland	1,840	437	510	559	330
Netherlands	21,247	8,465	2,115	1,445	15,888
Belgium-Luxembourg	27,244	44,869	4,670	676	18,818
France	1,137	112	353	1,237	6,888
Germany, West	6,944	13,011	1,833	1,056	12,974
Austria	279	--	--	--	75
Switzerland	17,610	6,627	987	13	24

(Continued)

Table 7.--FODDERS AND FEEDS, n.e.c.: U.S. exports by country of destination, year beginning July 1, 1955-59 (Continued)

Country of destination	1955-56	1956-57	1957-58	1958-59	1959-50
	Short tons	Short tons	Short tons	Short tons	Short tons
Europe (Continued):					
Finland	110	39	--	13	45
U.S.S.R.	--	--	--	56	27
Spain	135	110	44	79	2,582
Portugal	--	--	--	5	--
Italy	4,283	2,958	1,961	4,462	3,614
Greece	5,375	367	47	3	21
Total	206,584	156,410	30,137	41,335	101,572
Asia:					
Turkey	--	20	--	--	--
Lebanon	27	122	10	269	277
Iran	--	4	5	5	5
Israel	6,726	2,683	1,520	53	135
Kuwait	--	--	9	--	2
Saudi Arabia	115	5	104	--	--
Arabia, n.e.c.	--	--	--	--	5
Pakistan	--	2	1	--	12
Ceylon	--	--	--	--	5
Thailand	3	16	13	7	39
Malaya & Singapore	86	51	175	47	53
Philippines	2,167	3,671	2,504	915	724
Macao	30	--	--	--	--
Korea	--	51	118	22	141
Hong Kong	19	42	79	1,084	1,172
Taiwan	13	20	--	--	25
Japan	28,133	6,510	7,392	15,321	19,345
Nansei & Nanpo Islands	89	12	5	23	9
Total	37,408	13,209	11,935	17,746	21,949
Others:					
Australia	--	--	--	11	610
New Zealand	--	--	--	--	34
French Pacific Islands	--	6	--	12	2
Trust Territory of the Pacific Islands	2	--	35	--	9
Morocco	28	18	40	--	--
Libya	--	15	--	10	34
Egypt	--	1	--	--	8
Ghana	--	--	--	20	--
Nigeria	--	--	--	--	5
Liberia	37	34	34	96	43
Belgian Congo	--	24	14	5	27
Ethiopia	--	10	--	--	--
Total	67	108	123	154	772
World total	370,054	233,045	98,048	121,685	173,401



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Growth Through Agricultural Progress

WORLD CORN CROP SETS NEW

HIGH OF 8.2 BILLION BUSHEL

Latest information available to the Foreign Agricultural Service confirms earlier forecasts of a record 1960 corn crop.

Production is now estimated at 8.2 billion bushels, slightly above an earlier forecast. (See monthly supplement issue of Foreign Crops and Markets, February 23, 1961). This exceeds the previous high in 1959 by 260 million bushels. Most of the increase was in the United States and the Soviet Union. However, production was at a very high level in all areas except Eastern Europe where production was 7 percent below the large 1959 total.

Corn production in North America is now estimated at 4,648 million bushels, compared with the previous high of 4,589 million in 1959. The increase was in the United States where the record of 4,353 million bushels for all purposes represented 53 percent of total world production. A moderate decline is reported for Mexico, but the outturn of 205 million bushels is sharply above the 1950-54 average of 141 million. Canada, the third largest producer of the area had a slightly smaller outturn than the near-record in 1959.

Western Europe's corn crop of 332 million bushels is at a new high mainly because of the unprecedented outturn in France. Production there is reported at 103 million bushels compared with 72 million in 1959 and the 1950-54 average of 26 million. Corn production in Italy is reported at 150 million bushels only slightly below the record 1959 crop of 153 million but well above the 1950-54 average of 112 million.

A corn outturn smaller than the record 1959 harvest in Eastern Europe offset the rise in Western Europe. Though below the 1959 total, the

CORN: Acreage, yield per acre, and production in specified countries, year of harvest, average 1950-54, annual 1958-60

Continent and country	Acreage 2/			Yield per acre 3/			Production			
	Average 1950-54	1958	1959	Average 1950-54	1958	1959	Average 1950-54	1958	1959	
	acres	acres	acres	Bushels	Bushels	Bushels	bushels	bushels	bushels	
North America:										
Canada	370	498	489	514	60.0	63.4	19,835	29,892	31,023	29,337
El Salvador	434	440	439	412	12.7	13.4	7,260	5,600	5,900	7,100
Guatemala	1,357	1,700	--	--	12.5	--	17,000	18,500	15,000	--
Honduras	719	889	--	--	11.6	--	8,325	10,300	10,500	11,500
Mexico	11,417	15,744	15,629	14,579	13.2	14.0	141,390	207,730	219,280	205,000
Nicaragua	308	328	319	332	12.8	11.9	4,675	4,200	3,800	4,450
United States	80,826	73,327	83,529	82,117	51.8	51.3	3,112,091	3,800,863	4,281,316	4,352,668
Cuba	415	383	457	--	15.1	16.8	6,640	5,800	7,700	--
Estimated total 5/	96,760	94,300	104,320	101,830	34.4	44.0	3,331,000	4,097,000	4,589,000	4,648,000
Europe:										
Austria	156	121	114	144	50.4	50.3	5,426	6,100	5,730	8,385
France	894	1,457	1,740	2,016	45.2	41.3	26,394	65,870	71,800	102,800
Greece	630	511	513	516	17.3	21.5	9,754	8,830	11,025	11,400
Italy	3,316	3,200	3,150	3,250	33.8	48.6	112,232	145,000	153,000	150,200
Portugal	1,183	1,185	1,165	1,172	14.4	16.2	16,986	16,720	18,900	16,600
Spain	991	939	964	1,025	37.4	40.9	26,980	36,060	39,400	41,400
Estimated total Western Europe 5/	7,220	7,430	7,660	8,140	27.8	39.3	201,000	280,000	301,000	332,000
Albania	300	390	--	--	15.4	--	4,800	6,000	--	--
Bulgaria	1,780	1,455	1,818	1,819	18.9	26.1	27,500	27,500	47,500	46,600
Czechoslovakia	350	445	462	494	42.4	45.5	12,200	18,850	21,000	21,000
Hungary	2,830	3,225	3,356	3,489	35.7	41.7	86,200	115,000	140,000	125,000
Rumania	7,350	9,000	8,785	9,265	17.0	25.5	125,000	144,000	224,000	218,000
Yugoslavia	5,950	5,906	6,375	6,350	26.3	41.3	130,000	155,500	263,000	241,000
Estimated total Eastern Europe 5/	18,600	20,460	21,180	21,830	20.8	33.2	387,000	468,000	704,000	658,000
Estimated total all Europe 5/	25,820	27,890	28,840	29,970	22.8	34.8	588,000	748,000	1,005,000	990,000
U.S.S.R. (Europe and Asia) 6/	10,400	20,000	21,500	27,700	18.3	19.8	190,000	600,000	425,000	600,000
Asia:										
Turkey	1,581	1,678	1,730	1,668	14.9	18.2	31,402	25,000	31,500	29,500
China	--	--	--	--	--	--	410,000	--	--	--
India	8,745	10,457	10,457	10,500	12.9	13.8	99,892	135,240	144,600	145,660
Pakistan	1,013	1,139	1,199	1,134	16.4	16.0	16,016	18,680	19,200	17,000
Indonesia	5,210	6,677	5,700	6,050	13.8	14.6	72,000	103,700	83,000	87,000
Japan 7/	107	122	118	116	35.8	34.7	2,488	4,370	4,094	3,886
Philippines	2,764	3,300	3,272	4,560	10.3	12.1	28,384	40,000	39,450	45,900
Thailand	109	310	491	836	13.1	25.3	1,428	7,320	12,440	21,650
Estimated total 5/	42,600	48,080	49,350	51,780	16.7	17.3	710,000	880,000	855,000	845,000

Africa:												
Republic of the Congo ^{g/}	1,092	1,151	1,185		13.5	17.6	19.4		14,768	20,300	23,000	
Kenya ^{g/}	425				28.2				12,000	15,000	13,000	
Egypt	1,819	2,030	1,890		33.9	34.1	30.6	35.2	61,670	69,200	59,000	66,600
Morocco ^{10/}	1,236	1,184	1,005		7.7	12.3	13.5	15.7	9,536	14,515	13,520	15,750
Former French West Africa	1,733				9.8				16,975			
Malagasy Republic	200	230			14.0	12.6			2,800	2,900		
Angola	1,300	1,544			8.2	8.2			10,670	12,600	13,800	
Rhodesia and Nyasaland		3,000				15.7				47,000	44,000	
Republic of South Africa	7,865				14.7				115,450	144,000	150,000	165,000
Estimated total ^{5/}	25,680	29,470	29,150	29,190	15.0	15.9	16.0	16.8	385,000	470,000	465,000	490,000
South America:												
Argentina	4,833				24.8				120,098	215,000	175,000	200,000
Brazil	12,700	15,300	16,300	15,000	19.4	19.9	20.6	21.7	247,000	305,000	335,000	325,000
Chile	135	167	184	203	26.2	31.4	30.9	30.5	3,542	5,240	5,690	6,200
Colombia	1,800	1,742	1,606	1,767	17.1	19.2	17.2	19.2	30,800	33,500	27,600	34,000
Ecuador	475	500	500	500	10.0	12.8	12.4	12.0	3,440	6,100	6,200	6,000
Peru	636	589	568	657	19.2	19.7	23.1	19.8	12,186	11,580	13,100	13,000
Uruguay	643	766	641	590	10.7	6.8	5.5		6,902	5,240	3,500	
Venezuela	700	735	693	815	18.4	19.0	19.0	19.3	12,850	14,000	13,200	15,700
Estimated total ^{5/}	22,380	26,840	27,460	26,940	20.1	22.5	21.5	23.0	450,000	605,000	590,000	620,000
Oceania:												
Australia	173	180	186	205	27.2	33.9	36.0	33.2	4,710	6,100	6,700	6,800
New Zealand	5	7	7	7	62.0	60.0	57.1	50.0	310	420	400	350
Estimated total ^{5/}	180	190	200	220	27.8	36.8	35.0	31.8	5,000	7,000	7,000	7,000
Estimated world total ^{5/}	223,820	246,770	260,820	267,630	25.3	30.0	30.4	30.6	5,660,000	7,410,000	7,940,000	8,200,000

^{1/} Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which follow; thus the crop harvested in the Northern Hemisphere in 1960 is combined with preliminary forecasts for the Southern Hemisphere harvest which began early in 1961. ^{2/} Figures refer to harvested area as far as possible. ^{3/} Yield per acre calculated from acreage and production data shown. ^{4/} Revised estimates for Northern Hemisphere countries; for the Southern Hemisphere, revised preliminary forecasts. ^{5/} Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. ^{6/} Soviet corn area shown is reported as area harvested for grain only, whereas reported production presumably includes also grain equivalent from some of the acreage harvested in an immature stage. ^{7/} Dried corn only. Previous published series included some immature corn. ^{8/} Includes Ruanda-Urundi. ^{9/} Production on European holdings only. Allowances for native cultivation, not shown, are included in estimated total for Africa. ^{10/} Prior to 1958 excludes data for area formerly known as Spanish Morocco.

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current estimate of 658 million bushels is 70 percent above the 1950-54 average. Expanded corn production since that time is due to both substantially increased acreage and yields.

Corn acreage apparently was at a new high in the Soviet Union in 1960, and the harvest of mature grain and of ears harvested in the immature stage is estimated to be up to the 1958 record of 600 million bushels. Comparison with the 1950-54 average of 190 million bushels shows progress in the Government's program to expand corn production, to build up feed supplies.

Asia's 1960 corn crop is estimated at 845 million bushels, slightly less than in 1959 but well above the average of 710 million. Acreage was up sharply but yields were lower in most areas.

Corn production in Africa is larger than had been expected, mainly because of a larger crop in the Republic of South Africa. The current estimate of 165 million bushels for the recently harvested crop is an alltime high for that country. Production in the Republic is a third of Africa's total corn production.

South America's corn crop is still estimated to be one of the largest in recent years. Outturns in both Argentina and Brazil are reported to be large. These 2 countries together produce about 85 percent of the total for South America. The present estimate of 620 million bushels for the continent is 5 percent above the 1959 total and 38 percent above the 1950-54 average.

Corn is of minor importance in Oceania and the 1960 crop is now estimated at 7 million bushels. This is the same as production for the past 2 years and slightly above average.

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U.S. DEPARTMENT OF AGRICULTURE
Foreign Agricultural Service Washington D.C.



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U.S. DEPARTMENT OF AGRICULTURE
FOREIGN AGRICULTURAL SERVICE
OCT 2 1962
CURRENT SERIAL RECORDS

WORLD BREADGRAIN CROP SLIGHTLY

BELOW 1958-60 LEVEL

World breadgrain production in 1961 is expected to be slightly below the high level of the past 3 years, according to preliminary estimates of the Foreign Agricultural Service.

Production of wheat and rye is forecast at 276 million short tons, 2 percent less than in 1960 but 11 percent above the 1950-54 average. Present forecasts are tentative and subject to change as later estimates become available for Northern Hemisphere countries and as the crops develop in the Southern Hemisphere, where harvests are much later. Thus, growing conditions up to early December will play a large part in determining the final outturn in Argentina and Australia, the most important producers in the Southern Hemisphere.

World wheat production of 7.95 billion bushels is 3 percent below the 1960 total of 8.19 billion but is 14 percent above 1950-54 total. World rye is estimated at 1.35 billion bushels, slightly above the 1960 production of 1.33 billion, but somewhat smaller than the 1950-54 average of 1.45 billion. Smaller outturns than last year in Western Europe are offset by a larger crop in the Soviet Union, the leading rye producer of the world.

Total wheat supplies in the United States for the current marketing season are only slightly below the record established last year, since larger carryover stocks on July 1, 1961 offset a smaller crop. Import needs will be larger than last year in Western Europe and in parts of Asia, especially Mainland China. Competition for export markets will still be keen even though Canada's supply is down about 250 million bushels because of the small outturn this year. Australia's supply will again be large but somewhat below the record supply for 1961.

WHEAT: Acreage, yield per acre, and production in specified countries, year of harvest, average 1950-54, annual 1959-61 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production				
	Average 1950-54	1959	1960	Average 1950-54	1959	1960	Average 1950-54	1959	1960		
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	
North America:											
Canada	26,130	23,065	23,198	23,792	20.6	17.9	21.1	10.6	537,632	413,520	489,624
Mexico	1,647	2,338	1,853	2,100	13.2	22.0	24.8	26.2	21,788	51,440	45,930
United States	63,361	52,665	51,859	51,450	17.3	21.4	26.0	23.5	1,094,183	1,126,682	1,350,339
Estimated total 5/	91,200	78,160	77,000	77,430	18.1	20.4	24.5	19.6	1,654,000	1,592,000	1,887,000
Europe:											
Austria	573	661	685	677	29.5	32.7	37.7	38.6	16,920	21,620	25,800
Belgium	421	496	498	493	48.2	58.8	62.0	52.1	20,278	29,145	30,860
Denmark	195	218	203	255	54.5	61.4	57.9	52.5	10,630	13,375	11,760
Finland	377	344	447	586	23.2	25.9	30.2	29.7	8,739	8,900	13,500
France	10,916	10,970	10,769	9,722	28.9	38.7	37.6	35.5	315,244	425,000	405,000
Germany, West	2,728	3,295	3,429	3,432	40.4	50.2	53.0	42.5	110,228	165,540	181,750
Greece	2,410	2,875	2,820	2,630	16.6	22.6	21.7	22.4	40,042	65,000	61,200
Ireland	362	282	365	347	36.0	48.2	47.1	46.7	13,036	19,600	17,200
Italy	12,085	11,600	11,300	10,700	23.8	26.8	22.1	27.5	288,080	311,200	250,000
Luxembourg	45	---	---	---	30.7	---	---	---	1,382	---	---
Netherlands	209	297	313	303	54.4	63.6	69.2	56.8	11,376	18,900	21,670
Norway	56	23	22	23	30.0	31.7	38.2	39.1	1,682	730	840
Portugal	1,785	2,094	1,920	1,630	13.2	10.9	9.4	8.8	23,526	22,900	18,000
Spain	10,470	10,774	10,230	9,390	14.8	16.2	12.7	12.8	155,000	175,000	130,000
Sweden	896	778	836	679	33.1	39.5	36.2	45.1	29,640	30,725	30,260
Switzerland	225	256	258	279	41.9	47.5	51.6	41.6	9,430	12,150	13,300
United Kingdom	2,263	1,929	2,102	1,827	41.8	53.9	53.3	49.8	94,640	104,000	112,000
Estimated total Western Europe 5/	46,020	46,940	46,260	43,030	25.0	30.3	28.6	28.6	1,150,000	1,420,000	1,325,000
Bulgaria	3,540	3,439	3,110	---	18.6	22.1	25.3	---	66,000	76,000	78,700
Czechoslovakia	1,840	1,875	1,610	---	28.5	29.9	34.3	---	52,500	56,000	55,200
Germany, East	1,120	1,075	1,075	---	34.0	44.5	---	---	38,100	47,800	---
Hungary	3,400	2,759	2,600	---	21.3	25.4	25.0	---	72,500	70,150	65,000
Poland	3,730	3,546	3,370	---	19.0	25.9	25.1	---	70,800	92,000	84,600
Romania	6,710	7,383	7,010	---	16.2	19.9	18.1	---	108,750	147,000	126,750
Yugoslavia	---	5,263	5,090	4,818	---	28.8	25.8	24.4	80,000	151,750	131,170
Estimated total Eastern Europe 5/	25,500	25,600	24,110	24,650	19.2	25.2	24.5	23.9	490,000	645,000	590,000
Estimated total all Europe 5/	71,520	72,540	70,370	67,680	22.9	28.5	27.2	26.9	1,640,000	2,065,000	1,915,000
U.S.S.R. (Europe and Asia) 6/	111,500	157,000	148,500	155,000	11.1	12.1	11.4	---	1,240,000	1,900,000	1,700,000

Asia:															
Iran	1,871	--	--	--	--	--	--	--	--	11.9	--	76,400	110,000	96,000	103,000
Iraq	90	130	--	--	--	11.1	19.7	10.0	--	1,000	2,700	1,300	3,800	1,300	30,000
Israel	651	525	--	--	8.6	7.2	6.2	5.7	9.0	1,902	3,800	1,600	5,600	1,600	6,600
Jordan	165	153	128	143	11.5	6.0	7.0	6.3	--	1,902	920	735	1,902	735	1,290
Lebanon	2,277	2,100	1,900	--	11.6	7.0	6.3	--	--	26,510	14,700	12,000	14,700	12,000	16,400
Syria	15,514	15,500	15,600	15,500	15.8	14.5	16.7	14.5	14.5	213,590	225,000	260,000	225,000	260,000	225,000
Turkey	--	--	--	--	--	--	--	--	--	890,000	--	--	--	--	--
China	24,456	31,141	32,542	31,750	10.4	11.7	11.6	11.6	12.5	253,950	365,000	376,700	365,000	376,700	398,000
India	10,380	12,000	12,230	11,680	12.4	12.0	11.7	11.7	11.9	129,124	144,000	143,100	144,000	143,100	139,500
Pakistan	1,766	1,486	1,489	1,603	30.2	35.0	37.8	40.5	40.5	53,322	52,000	56,250	52,000	56,250	65,000
Japan	245	310	306	--	14.2	17.1	16.7	16.7	--	3,477	5,300	5,120	5,300	5,120	--
Korea, South	127,820	140,760	144,940	137,260	13.8	13.5	13.5	13.5	13.7	1,765,000	1,900,000	1,960,000	1,900,000	1,960,000	1,880,000
Estimated total 5/	16,480	17,970	18,610	16,940	11.2	10.9	11.3	11.3	9.1	185,000	195,000	210,000	185,000	210,000	155,000
Africa:															
Algeria	4,267	4,302	4,725	4,622	9.7	9.4	11.6	11.6	5.0	41,508	40,600	55,000	40,600	55,000	23,000
Egypt	1,631	1,531	1,512	1,436	30.1	34.6	36.4	36.4	35.4	49,060	53,000	55,000	49,060	55,000	50,800
Morocco 7/	3,674	3,870	4,099	3,845	10.2	9.1	9.6	9.6	6.1	37,534	35,100	39,200	37,534	35,100	23,300
Tunisia	2,399	3,274	3,346	--	8.3	5.9	5.0	5.0	--	19,796	19,300	16,700	19,796	19,300	--
Republic of South Africa 8/	3,020	3,156	--	--	7.6	8.6	--	--	--	23,040	27,200	28,150	23,040	27,200	--
Estimated total 5/	16,480	17,970	18,610	16,940	11.2	10.9	11.3	11.3	9.1	185,000	195,000	210,000	185,000	210,000	155,000
South America:															
Argentina	11,871	10,818	8,817	--	18.2	19.9	17.0	17.0	--	216,204	215,000	150,000	216,204	215,000	--
Brazil	1,475	2,100	1,850	--	12.5	6.5	7.0	7.0	--	18,500	13,600	13,000	18,500	13,600	--
Chile	1,910	2,185	2,110	2,125	18.7	18.6	19.1	19.1	--	35,764	40,600	40,400	35,764	40,600	--
Colombia	430	395	410	445	11.3	13.0	12.9	12.9	--	4,860	5,140	5,300	4,860	5,140	--
Peru	410	370	370	--	14.2	15.9	16.2	16.2	--	5,814	5,900	6,000	5,814	5,900	--
Uruguay	1,515	725	1,290	1,240	14.8	9.2	11.8	11.8	--	22,376	6,700	15,160	22,376	6,700	--
Estimated total 5/	17,840	16,870	15,140	16,800	17.1	17.2	15.5	15.5	17.3	305,000	290,000	235,000	305,000	290,000	290,000
Oceania:															
Australia	10,716	12,173	13,400	--	16.9	16.3	20.4	20.4	--	181,150	198,500	273,000	181,150	198,500	--
New Zealand	116	163	165	170	40.7	53.4	50.0	50.0	--	4,720	8,700	8,250	4,720	8,700	--
Total Oceania	10,832	12,336	13,565	14,670	17.2	16.8	20.7	20.7	18.3	185,870	207,200	281,250	185,870	207,200	268,500
Estimated world total 5/	477,190	495,640	488,120	485,780	15.6	16.4	16.8	16.8	16.4	6,975,000	8,150,000	8,190,000	6,975,000	8,190,000	7,950,000

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1961 is combined with preliminary forecasts for the Southern Hemisphere harvests which will begin late in 1961 and early in 1962. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Preliminary estimates for Northern Hemisphere countries; for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Unofficial estimates for production. 7/ Includes data for area formerly known as Spanish Morocco. 8/ Production on European holdings only.

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RYE: Acreage, yield per acre, and production in specified countries, year of harvest, average 1950-54, annual 1959-61 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production		
	Average 1950-54	1959	1960	Average 1950-54	1959	1960	Average 1950-54	1959	1960
North America:	1,000	1,000	1,000	Bushels	Bushels	Bushels	1,000	1,000	1,000
Canada	acres	acres	acres	acres	acres	acres	bushels	bushels	bushels
United States	1,159	517	543	520	15.8	18.6	12.1	19,260	8,149
Total	1,619	1,443	1,652	1,528	15.5	19.7	16.9	20,779	22,339
Europe:	2,778	1,960	2,195	2,048	14.4	19.4	15.7	40,039	30,488
Austria	601	538	421	531	27.5	33.0	34.8	16,508	16,410
Belgium	205	162	152	113	43.1	46.5	—	8,832	7,660
Denmark	323	299	388	425	38.2	46.1	39.8	12,332	11,380
Finland	276	255	274	232	24.3	26.8	25.0	6,694	6,400
France	1,104	811	738	652	18.4	22.8	21.5	20,327	18,490
Germany, West	3,427	3,521	3,253	2,908	38.3	45.9	33.6	131,400	152,900
Greece	155	81	71	63	13.7	15.5	15.4	2,120	1,060
Italy	238	167	155	146	21.7	24.8	25.3	5,160	4,140
Luxembourg	14	—	—	—	31.4	—	—	439	—
Netherlands	428	355	375	295	43.6	48.3	43.7	18,644	15,180
Norway	2	3	3	3	30.0	50.0	40.0	60	90
Portugal	652	672	664	523	11.1	8.2	6.0	7,227	6,900
Spain	1,526	1,406	1,236	1,198	12.7	15.1	12.3	19,390	21,260
Sweden	312	240	257	185	33.0	34.6	40.5	10,302	8,300
Switzerland	35	31	35	30	41.1	52.3	50.0	1,438	1,575
United Kingdom	59	14	21	21	35.1	37.1	41.9	2,072	520
Estimated total Western Europe 5/	9,360	8,570	8,060	7,340	28.1	33.1	27.9	263,000	272,000
Bulgaria	530	224	222	—	16.0	16.1	—	8,500	3,600
Czechoslovakia	1,550	1,300	1,065	—	26.5	33.1	—	41,100	38,000
Germany, East	3,110	2,548	2,548	—	26.8	31.3	—	83,300	79,760
Hungary	1,275	875	744	—	19.4	19.9	—	24,700	17,450
Poland	12,345	12,852	12,680	—	19.0	24.8	—	235,000	319,000
Romania	500	295	242	—	16.6	16.8	—	8,500	5,050
Yugoslavia	—	583	526	494	—	17.9	17.4	8,500	10,430
Estimated total Eastern Europe 5/	19,990	18,710	18,060	18,040	20.5	25.3	25.2	410,000	473,000
Estimated total all Europe 5/	29,350	27,280	26,120	25,380	22.9	27.3	26.0	673,000	745,000
U.S.S.R. (Europe and Asia) 6/	54,000	42,175	40,800	42,000	12.8	14.2	—	690,000	600,000
Asia:	1,410	1,621	1,425	1,475	16.1	12.3	17.3	22,700	20,000
Turkey	56	—	—	—	6.4	—	—	360	—
Africa:	2,222	3,254	1,850	—	11.7	12.8	—	26,000	41,730
Republic of South Africa	90,130	76,680	72,770	73,770	16.1	18.8	18.3	1,455,000	1,440,000
South America:	—	—	—	—	—	—	—	—	—
Argentina	—	—	—	—	—	—	—	—	—
Estimated world total 5/	90,130	76,680	72,770	73,770	16.1	18.8	18.3	1,455,000	1,440,000

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1961 is combined with preliminary forecasts for the Southern Hemisphere harvests, which will begin late in 1961 and early in 1962. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Preliminary estimates for Northern Hemisphere countries, for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. Unofficial estimates for production.

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Supplies in Argentina may well be at the same level as 1960, which was below average. France will again be active as a soft wheat exporter but will continue to import durum type wheat. Spain and Italy, both listed as exporters under the International Wheat Agreement will again be net importers this season. Italy is expected to import at least 37 million bushels and Spain needs about 88 million to supplement the recent small harvest, the second successive poor outturn. The Soviet Union's crop appears somewhat larger than in 1960 and may mean larger exports.

Though total wheat supplies for export this year are ample, there is a shortage of durum. Durum production is below average in most producing countries and is especially short in North Africa, the traditional source for France.

Wheat production in North America is estimated at 1,519 million bushels, 20 percent below the large 1960 total, because of smaller outturns in both the United States and Canada. The U.S. crop reduction was mainly due to lower yields though acreage was also slightly smaller. Yields of 23.5 bushels per harvested acre, however, are second only to the 26.0 bushels per acre last year.

Canada's preliminary forecast of 252 million bushels is the smallest outturn since 1937. Acreage is slightly larger than in 1960 but yields are only half the 1960 yields. Production set a new record in Mexico, the third largest producer of the area. The increase from 46 million last year to 55 million is due to a substantial increase in acreage and higher yields. The average of 26.2 bushels per acre is double the 1950-54 average.

Rye acreage in North America is considerably smaller than last year and also below average. Production of 26 million bushels in the United States is less than in 1960 but is still above average. In Canada, however, the outturn is smaller than last year and is only a third of the 1950-54 average. Acreage is less than half the average and yields are smaller.

Wheat production in Western Europe is estimated 7 percent less than last year but still above average. Largest reductions from 1960 are in France, West Germany, Spain, and the United Kingdom. Smaller acreage was the chief factor in the crop reduction in France, Spain and the United Kingdom; in West Germany, smaller yields were the sole cause of the decrease.

In contrast with those production decreases, Italy's crop was somewhat larger despite reduced acreage. Some increase is also reported for the Scandinavian countries. Rye production is smaller in Western Europe because of reduced acreage and smaller yields.

Available information points to little change from Eastern Europe's 1960 total. This means a total crop well above the 1950-54 average. Larger outturns are indicated for Poland, Rumania and Hungary. Those increases offset a substantial reduction in Yugoslavia's production.

This is an important rye producing area, second only to the Soviet Union in rye production. The outturn this year is estimated to approximate the 1960 total.

Wheat production in the Soviet Union is estimated to be larger than for the past 2 years but below the record 1958 harvest. Increased acreage was an important factor and higher yields are indicated. Best conditions have been reported for the winter wheat regions, especially the Ukraine, the North Caucasus and the Volga regions. Conditions were less favorable in the "New Lands" because of hot, dry weather.

The Soviet Union is the world's ranking rye producer, with production normally accounting for some 45 percent of world rye production. Production this year is estimated to be well above the 1960 crop but still somewhat below average.

Asia's wheat crop is smaller than in 1960 but above average. Reduced acreage accounts for most of the decline. Much of the acreage reduction is estimated for Mainland China, where unfavorable conditions prevented seeding the usual acreage of winter wheat in the fall of 1960. Turkey is another country with a smaller harvest. Acreage shows little change from last year but yields are smaller. India and Japan report record crops. Turkey is the only rye producer of importance in this area and production is slightly larger than last year.

Wheat production in Africa is much below average because of poor outturns in former French North African countries. The African total of 155 million bushels contrasts with 210 million a year ago and the 1950-54 average of 185 million. Algeria's crop is 23 million bushels, less than half the 1960 harvest of 55 million. Morocco's production is also reported at 23 million bushels, compared with 39 million in 1960. Tunisia also had a crop only half the 1960 production. Rye is of minor importance in this area.

South America's wheat and rye crops are in the early-growth stage and conditions up to the end of November will determine the final outturn. Present prospects are for larger harvests of both wheat and rye.

The outlook is good for another large wheat crop in Australia. Acreage is larger and conditions to date suggest an outturn second only to the 273 million bushels harvested last year if growing conditions continue favorable. Rye is of little importance in Australia.



Growth Through Agricultural Progress



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GRAIN
FG 11-61
October 1961

JULY 1 GRAIN STOCKS

AGAIN AT NEW HIGH

The 4 principal grain exporting countries set a new record for mid-year stocks on July 1, 1961, according to preliminary estimates of the Foreign Agricultural Service. Stocks of grain were 10 million short tons above the 1960 record. This is the ninth successive year of record stocks.

An estimated total of 166 million tons of wheat, rye, barley, oats and corn compares with the July 1, 1960 total of 156 million tons. The increase is wholly in U.S. stocks, with the other countries showing slight reductions. In addition to the 5 grains reported, record stocks of grain sorghums in the United States add another 21 million tons to total stocks of this country on July 1. Sorghum has been of little importance in the other exporting countries, but is becoming more significant in Argentina.

Record grain stocks in the United States are due to unprecedented stocks of both wheat and corn on July 1. Corn stocks of 2,809 million bushels are 11 percent above the 1960 record and are almost 4 times the 1945-49 average. The wheat carryover of 1,407 million bushels exceeds the previous high by 7 percent and is 7 times the 1945-49 average.

Though U.S. stocks are up, total U.S. supplies for 1961-62 are slightly less than last year's record, because of smaller production of all 5 grains. Supplies of wheat are 2.62 billion bushels compared with 2.66 billion a year ago. Wheat import demand is expected to be greater in Western Europe this year, with production about 100 million bushels less than in 1960. A smaller outturn in Asia will also increase that area's need. A good part of the increased requirement, however, will be in Mainland China.

U.S. corn supplies for the marketing year beginning October 1 will be about 2 percent below the 1960 record, with a 10-percent reduction in the expected output.

GRAINS: Estimated stocks in principal exporting countries, July 1, 1945-1961

Country and year	Wheat	Rye	Barley	Oats <u>1/</u>	Corn	Total
	Million bushels	Million bushels	Million bushels	Million bushels	Million bushels	1,000 short tons
United States:						
Average 1945-49	193	6	72	254	742	32,526
Average 1950-54	524	8	74	249	1,256	56,872
1955	1,036	16	131	303	1,601	84,349
1956	1,033	17	117	347	1,742	88,602
1957	908	7	127	240	1,968	89,428
1958	881	10	168	325	2,096	94,630
1959	1,295	13	195	368	2,208	111,606
1960	1,314	10	167	267	2,522	118,596
1961 <u>2/</u>	1,407	14	152	324	2,809	130,086
Canada:						
Average 1945-49	155	4	41	100	3/	7,446
Average 1950-54	345	14	100	135	3/	15,437
1955	570	22	110	110	3/	22,226
1956	620	20	130	150	3/	24,830
1957	765	15	160	260	3/	31,630
1958	675	13	140	190	3/	27,204
1959	580	10	145	150	3/	23,710
1960	565	9	135	125	3/	22,567
1961 <u>2/</u>	555	8	125	130	3/	22,084
Argentina:						
Average 1945-49	134	11	26	40	187	10,828
Average 1950-54	107	16	21	39	91	7,334
1955	165	10	25	25	85	8,610
1956	130	25	30	35	125	9,380
1957	160	25	30	50	95	9,680
1958	175	16	25	35	190	12,178
1959	160	20	25	30	200	12,040
1960	140	20	22	23	140	9,576
1961 <u>2/</u>	100	15	21	35	160	8,964
Australia:						
Average 1945-49	75	3/	6	13	3/	2,602
Average 1950-54	110	3/	9	20	3/	3,836
1955	160	3/	6	32	3/	5,456
1956	183	3/	14	50	3/	6,626
1957	115	3/	20	32	3/	4,442
1958	70	3/	14	12	3/	2,628
1959	135	3/	30	75	3/	5,970
1960	145	3/	12	45	3/	5,358
1961 <u>2/</u>	145	3/	8	50	3/	5,342
Total:						
Average 1945-49	557	21	145	407	929	53,402
Average 1950-54	1,086	38	204	443	1,347	83,479
1955	1,931	48	272	470	1,686	120,641
1956	1,966	62	291	582	1,867	129,438
1957	1,948	47	337	582	2,063	135,180
1958	1,801	39	347	562	2,286	136,640
1959	2,170	43	395	623	2,408	153,326
1960	2,164	39	336	460	2,662	156,097
1961 <u>2/</u>	2,207	37	306	539	2,969	166,476

1/ Canadian oats in bushels of 34 pounds; data for other countries in bushels of 32 pounds. 2/ Preliminary estimates. 3/ Production small and remaining stocks believed negligible.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service officers, results of office research, and related information.

Canada's total wheat supplies for 1961-62 are down about 25 percent mainly because of greatly reduced production. Australia's July 1 wheat stocks are about the same as a year ago though supplies at the beginning of the current season were at an alltime high and 70 million bushels above the previous year's supply. Heavy exports up to July 1 wiped out that difference. Stocks remaining on July 1 from Argentina's small 1960 crop were 29 percent less than a year ago.

The minor exporters--France and Spain--have smaller wheat crops than last year. France will again be a competitor for export markets for soft wheat but will continue to import durum or possibly durum substitutes. Spain has had 2 successive poor crops and will have a deficit of about 2.4 million metric tons in 1961-62, compared with last year's deficit of 2.0 million. Italy, also listed as an exporter under the International Wheat Agreement, needs more than a million tons this season despite a substantial increase over last year's small production.

A regional breakdown shows the United States stocks of 130 million short tons of the 5 grains accounting for 78 percent of the total for the four countries on July 1, 1961. Though wheat and corn stocks are the highest recorded, stocks of the other grains have been exceeded a number of times. In addition to the 5 grains treated here, U.S. stocks of grain sorghum were 751 million bushels on July 1, the largest on record for that date. Forecast production of sorghum is 480 million bushels, considerably less than the 608 million produced in 1960. Thus it would seem that supplies for the 1961-62 season starting October 1 may be about the same as the record supplies for 1960-61, with higher stocks offsetting the smaller crop.

Canada's grain stocks on July 1 are estimated at 22 million short tons, the smallest for a number of years but still above average. The reduction from 1960 is in wheat and barley largely because of heavy exports; stocks of oats are slightly higher. Wheat stocks of 555 million bushels added to the crop forecast provide a surplus of about 600 million bushels for export and carryover.

Grain stocks in the 2 Southern Hemisphere exporting countries on July 1 are in a different category from those in North America. In Southern Hemisphere countries these are mid-season supplies which must cover all needs to the end of the current crop season and for carryover. Thus stocks of small grains in Argentina and Australia are for consumption or export up to December 1 and corn to April 1 of the following year, the beginning of the new season. In contrast, July 1 stocks in North America approximate the near-end carryover of small grains. Stocks represent actual carryover into the new season in the United States, while in Canada the marketing season starts August 1. For corn, the U.S. marketing season begins October 1.

Grain stocks in Argentina on July 1 were estimated at 9.0 million tons, the smallest figure since 1955. Most of the reduction is in wheat; stocks of 100 million bushels are well below average. The reduced wheat stocks may be offset by a larger harvest expected in November and December.

Australia's grain stocks, estimated at 5.3 million short tons, are about the same as in July, 1960. Wheat stocks are the same, heavy export sales having reduced the record supplies available for 1961. Another good crop is expected this year and supplies for 1962 will again be ample. Barley stocks are a little smaller than last year but there is a small increase in oats.



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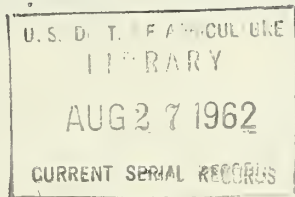
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GRAIN
FG 12-61
November 1961

WORLD BARLEY AND OATS

PRODUCTION DOWN



World production of barley and oats in 1961 is about 7 percent below the 1960 total but is 5 percent above the 1950-54 average, according to the Foreign Agricultural Service.

Production of these grains for the current season is forecast at 137 million short tons, compared with 148 million last year and the 1950-54 average of 131 million. Smaller crops than in 1960 are estimated for both barley and oats but the larger reduction is in oats. North America and Africa account for most of the barley reduction. North America, Europe, and the Soviet Union are the significant areas of decrease for oats.

The 1961 world barley crop is forecast at 3,370 million bushels, well below the record 1960 crop of 3,500 million. Reductions in the United States and Canada combined to reduce the North American total to 511 million bushels, compared with 643 million in 1960. Sharp reductions in North African countries brought the total for that continent to 65 million bushels, the smallest production since 1945.

World production of oats is tentatively forecast at 3,530 million bushels. This is 11 percent below the 1960 crop and 15 percent below the 1950-54 average. Acreage of oats continued the downward trend of recent years, to reach a new low of 102 million acres. A little more than two-thirds of the reduction was in North America and most of the remaining decrease was equally divided between Europe and the Soviet Union.

North America's harvest of barley and oats in 1961 amounts to about a fourth of the world total. Production of barley, at 511 million bushels, is below average and 21 percent below the good outturn in 1960. Reductions were sizable in both the United States and Canada but were especially marked in Canada, with the 1961 harvest now estimated to be little more than half

BARLEY: Acreage, yield per acre, and production in specified countries, year of harvest, average 1950-54, annual 1959-61

Continent and country	Acreage 2/			Yield per acre 3/			Production		
	Average 1950-54	1959	1961	Average 1950-54	1959	1961	Average 1950-54	1959	1961
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	bushels	bushels	bushels
North America:									
Canada	7,916	8,289	7,360	28.9	27.2	28.1	228,400	225,550	207,036
Mexico	573	605	605	13.2	14.0	14.0	7,554	8,450	8,500
United States	10,173	14,918	13,763	27.8	28.3	31.0	283,026	422,383	427,018
Estimated total 5/	18,660	23,810	21,730	27.8	27.6	29.6	519,000	656,000	643,000
Europe:									
Austria	363	441	517	36.6	42.2	52.3	13,288	18,620	27,050
Belgium	213	272	259	58.0	67.3	67.8	12,344	18,300	17,570
Denmark	1,390	1,858	1,940	64.4	57.8	68.8	89,450	107,380	128,600
Finland	358	576	525	30.5	26.4	38.5	10,904	15,230	17,900
France	2,713	4,914	5,161	32.9	46.1	50.9	89,372	226,480	262,500
Germany, West	1,733	2,390	2,421	47.5	55.6	61.1	82,320	130,600	147,900
Greece	522	456	448	20.0	21.9	24.2	10,424	10,000	10,800
Ireland	174	333	328	51.2	63.5	61.9	8,910	21,140	20,300
Italy	619	546	535	21.1	23.4	19.9	13,057	12,300	10,650
Netherlands	183	179	170	60.4	68.9	78.6	11,048	12,300	13,370
Norway	164	348	358	44.8	40.2	51.3	7,350	13,980	18,350
Portugal	380	339	296	14.8	9.0	7.8	5,620	3,040	2,300
Spain	3,903	3,733	3,422	22.8	25.4	20.9	88,830	94,160	71,650
Sweden	352	783	798	42.2	39.0	48.7	14,850	30,520	38,900
Switzerland	53	62	63	48.7	56.1	55.2	2,581	3,480	3,850
United Kingdom	2,051	3,059	3,367	48.9	61.3	58.7	100,326	187,410	197,600
Estimated total Western Europe 5/	15,190	20,250	20,560	36.9	44.7	48.2	561,000	905,000	990,000
Bulgaria	630	661	726	26.8	33.1	31.4	16,900	21,900	22,800
Czechoslovakia	1,556	1,655	1,750	33.5	40.7	45.7	52,100	67,400	80,000
Germany, East	702	875	960	38.2	51.8	57.3	26,800	45,300	55,000
Hungary	1,080	1,336	1,256	27.3	37.6	36.1	29,500	50,200	45,300
Poland	2,072	1,592	1,780	24.3	30.1	32.3	50,400	47,900	57,500
Romania	1,235	715	657	15.8	28.8	28.3	19,500	20,600	18,600
Yugoslavia	---	934	897	---	28.3	27.1	16,600	26,400	24,300
Estimated total Eastern Europe 5/	8,300	7,780	8,050	25.8	36.0	37.9	214,000	280,000	305,000
Estimated total all Europe 5/	23,490	28,030	28,610	33.0	42.3	45.3	775,000	1,185,000	1,295,000
U.S.S.R. (Europe and Asia) 6/	22,500	23,700	30,000	15.6	16.0	17.5	350,000	380,000	525,000

Asia:																						
Cyprus	135	148					18.9	20.3														
Iran	1,956	--	2,224				18.8	--	18.7													
Iraq	2,374	2,690	2,564	2,531	14.9	12.4	14.9	23.7	12.8	16.3												
Israel	175	126	125	74	35	19.0	6.2	5.3	10.6													
Lebanon	40	30	35	1,038	14.5	23.2	21.5	22.2														
Syria	848	--	6,400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Turkey	5,540	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
China	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
India	8,020	8,243	8,345	7,916	14.7	15.1	15.0	16.1	13.4	11.8												
Pakistan	557	540	546	536	11.3	12.0	13.4	46.2	46.2	48.5												
Japan	2,400	2,206	2,071	1,710	37.7	43.6	42.0	22.7	22.6	--												
Korea, South	1,644	1,927	1,958	--	18.5	19.7	19.0	18.7	18.8	18.8												
Estimated total 5/	41,110	43,180	43,850	43,960	19.7	19.0	18.7	18.8	18.8	18.8												
Africa:																						
Algeria	3,102	2,693	2,895	--	12.1	11.0	14.0	--	--	--												
Egypt	128	147	154	169	38.9	44.2	46.4	46.4	46.4	46.4												
Morocco 7/	5,270	4,255	4,333	--	14.6	11.8	12.0	--	--	--												
Tunisia	1,295	1,875	1,700	--	6.9	5.8	3.9	--	--	--												
Republic of South Africa	135	--	--	--	17.4	--	--	--	--	--												
Estimated total 5/	11,520	11,080	11,250	8,520	13.0	10.8	11.6	7.6	7.6	7.6												
South America:																						
Argentina	1,587	2,241	1,785	--	24.8	22.9	19.9	--	--	--												
Chile	136	171	166	--	31.7	34.3	32.5	--	--	--												
Colombia	122	138	138	--	22.5	33.6	35.3	--	--	--												
Ecuador	248	315	304	--	12.2	13.4	13.0	--	--	--												
Peru	465	445	457	--	21.5	20.8	21.6	--	--	--												
Uruguay	81	109	165	--	16.6	12.4	13.6	--	--	--												
Estimated total 5/	2,830	3,680	3,270	3,370	23.0	21.7	19.9	22.3	22.3	22.3												
Oceania:																						
Australia	1,412	2,400	2,800	--	22.2	14.8	24.0	--	--	--												
New Zealand	53	62	62	63	45.1	53.2	54.8	--	--	--												
Total Oceania	1,465	2,462	2,862	2,913	23.0	15.8	24.7	23.5	23.5	23.5												
Estimated world total 5/	121,580	135,940	141,570	137,540	22.2	24.1	25.1	24.5	24.5	24.5												

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1961 is combined with preliminary forecasts for the Southern Hemisphere harvests which will begin late in 1961 and end early in 1962. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Preliminary estimates for Northern Hemisphere countries; for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Estimated totals, which in the case of production, are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 6/ Unofficial estimates for production. 7/ Includes data for area formerly known as Spanish Morocco.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research, and related information.

OATS: Acreage, yield per acre, and production in specified countries, year of harvest, average 1950-54, annual 1959-61 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production			
	Average 1950-54	1959	1960	Average 1950-54	1959	1960	Average 1950-54	1959	1960	
	acres	acres	acres	Bushels	Bushels	Bushels	bushels	bushels	bushels	
North America:										
Canada 5/	10,813	11,391	11,147	11,583	38.6	40.9	28.3	417,429	417,933	456,134
Mexico	206	235	272	--	18.2	17.9	--	3,799	4,200	6,000
United States	37,928	27,793	26,554	24,320	33.9	43.3	40.9	1,285,417	1,052,059	1,150,774
Estimated total 6/	48,950	39,420	37,970	36,160	34.9	42.5	36.7	1,707,000	1,474,000	1,613,000
Europe:										
Austria	539	403	397	378	44.8	53.2	57.7	24,156	21,460	23,600
Belgium	405	351	347	331	80.2	82.9	87.0	32,462	29,100	31,000
Denmark	647	504	489	472	90.8	77.6	89.2	58,740	39,130	46,900
Finland	1,143	1,139	1,212	1,169	47.1	42.1	57.5	53,801	47,970	76,400
France	5,596	3,715	3,526	3,543	43.3	52.2	49.8	242,298	194,000	188,400
Germany, West	2,681	2,005	1,847	1,794	67.3	70.1	81.2	140,322	140,470	150,000
Greece	365	319	315	323	26.2	30.1	32.5	9,558	9,600	10,500
Ireland	613	462	425	410	63.2	72.0	69.8	38,744	33,250	28,600
Italy	1,140	1,017	1,010	1,055	32.9	36.6	36.3	37,516	37,250	29,700
Luxembourg	52	--	40	--	50.0	--	--	2,602	--	3,000
Netherlands	368	309	282	305	87.5	71.2	91.8	32,210	22,000	26,630
Norway	187	160	161	162	62.7	50.6	73.9	11,726	8,100	11,900
Portugal	774	751	747	693	12.2	8.1	6.1	9,424	6,120	4,230
Spain	1,520	1,396	1,379	1,359	23.2	27.6	23.8	35,306	38,580	29,700
Sweden	1,215	1,325	1,378	1,404	47.8	40.9	61.4	58,124	54,230	81,000
Switzerland	64	39	35	37	77.3	85.1	82.4	4,946	3,320	3,020
United Kingdom	2,854	2,032	1,974	1,737	65.4	75.3	72.5	186,774	153,090	144,060
Estimated total Western Europe 6/	20,160	15,970	15,560	15,220	50.6	52.6	54.9	1,020,000	840,000	890,000
Bulgaria	397	446	447	--	27.7	32.1	--	11,000	14,300	13,700
Czechoslovakia	1,380	1,250	1,245	--	44.2	52.0	--	61,000	65,000	70,000
Germany, East	1,352	1,013	890	--	56.7	62.4	--	76,600	63,200	65,000
Hungary	355	420	350	--	31.0	41.9	--	11,000	17,600	14,000
Poland	4,130	4,200	4,055	--	35.8	41.0	--	148,000	172,200	190,000
Rumania	1,175	741	670	--	22.9	29.3	--	26,900	21,700	19,600
Yugoslavia	--	835	825	815	--	33.3	33.7	19,420	27,800	25,700
Estimated total Eastern Europe 6/	9,730	8,950	8,530	8,390	36.5	43.0	47.1	355,000	385,000	400,000
Estimated total all Europe 6/	29,890	24,920	24,090	23,610	46.0	49.2	52.1	1,375,000	1,225,000	1,290,000

U.S.S.R. (Europe and Asia) 1/	40,000	35,400	31,500	--	20.9	21.2	23.8	--	835,000	750,000	750,000	--
Asia:												
Syria	22	15	10	--	24.3	20.0	20.0	--	535	300	200	--
Turkey	808	900	976	--	30.9	30.6	35.3	--	24,958	27,500	34,500	31,000
China	--	--	--	--	--	--	--	--	70,000	--	--	--
Japan	208	193	195	--	202	61.9	56.8	--	9,910	11,950	11,080	11,950
Estimated total 6/	4,400	4,680	4,850	4,930	25.0	22.4	22.7	21.3	110,000	105,000	110,000	105,000
Africa:												
Algeria	428	144	165	--	20.9	14.6	20.6	--	8,940	2,100	3,400	--
Morocco 8/	145	55	50	--	28.3	15.5	21.0	--	4,103	850	1,050	--
Tunisia	59	--	--	--	18.2	--	--	--	1,074	--	--	--
Republic of South Africa	365	--	--	--	15.9	--	--	--	5,800	9,000	--	--
Estimated total 6/	1,040	830	820	810	20.2	18.1	18.3	18.5	21,000	15,000	15,000	15,000
South America:												
Argentina	1,655	1,971	1,893	--	34.0	34.3	30.7	--	56,284	67,700	58,100	--
Chile	298	273	302	--	28.6	28.7	30.1	--	6,800	7,840	9,100	--
Uruguay	145	97	198	--	19.4	15.5	22.2	--	2,816	1,500	4,400	--
Estimated total 6/	2,098	2,430	2,480	2,350	32.1	32.9	30.2	31.9	67,000	80,000	75,000	75,000
Oceania:												
Australia	2,325	3,000	3,500	--	18.2	19.5	26.4	--	42,252	58,500	92,500	--
New Zealand	37	34	39	40	62.4	67.1	65.0	--	2,308	2,280	2,535	--
Total Oceania	2,362	3,034	3,539	3,440	18.9	20.0	26.9	25.5	44,560	60,780	95,035	87,600
Estimated world total 6/	128,730	110,710	105,250	102,300	32.3	33.5	37.5	34.5	4,160,000	3,710,000	3,950,000	3,530,000

1/ Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which immediately follow; thus, the crop harvested in the Northern Hemisphere in 1961 is combined with preliminary forecasts for the Southern Hemisphere harvests which will begin late in 1961 and end early in 1962. 2/ Figures refer to harvested areas as far as possible. 3/ Yield per acre calculated from acreage and production data shown. 4/ Preliminary estimates for Northern Hemisphere countries; for Southern Hemisphere, preliminary forecasts based largely on acreage and weather conditions to date. 5/ Production and yield reported in bushels of 34 pounds. 6/ Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. 7/ Unofficial estimates for production. 8/ Includes data for area formerly known as Spanish Morocco.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

the 1950-54 average. The U.S. outturn, in contrast, was well above average, but smaller acreage and yields combined to reduce production 11 percent, compared with 1960.

Oats production in North America in 1961 is estimated at 1,327 million bushels compared with 1,613 million in 1960 and the 1950-54 average of 1,707 million. The U.S. crop of 994 million bushels is well below the 1,151 million reported last year and much below the average of 1,285 million for 1950-54. Acreage was cut more than 2 million acres and yields were less than the near-record 1960 yields. Canada's production of 328 million bushels was below average and considerably below the good 1960 crop, despite increased acreage. Yields were 31 percent below the 1960 yields.

Western Europe's production of these grains is slightly below the 1960 total, with a small increase in barley more than offset by a reduced outturn of oats. A total of 995 million bushels of barley is forecast for this year. Reductions in France and West Germany are offset by increases in the United Kingdom and Sweden. Production of oats, at 835 million bushels, is somewhat less than in 1960 mainly because of lower yields in France and West Germany and reduced acreage in the United Kingdom.

Little change is estimated for total production of these crops in Eastern Europe. A slight increase in barley is offset by a reduction in oats.

The Soviet Union reports some reduction in acreage of both barley and oats this year. For oats this is a continuation of a sharp downward trend for a number of years. Barley acreage, though less than the large 1960 acreage, is still well above average. Little change from last year's barley crop is estimated but oats production is indicated to be smaller than last year because of lower yields as well as reduced acreage.

Production in Asia is estimated to be about the same as in 1960. A slight increase in barley production is offset by a reduced outturn of oats.

Africa's outturn of barley was sharply cut this year. Harvested acreage was much smaller and yields were greatly reduced by a disastrous drought in important producing countries of Northern Africa.

It is early in the season for firm indications of Southern Hemisphere prospects. Based on preliminary information South America's barley crop may be moderately above the 1960 total mainly because of an expected increase in Argentina. Little change is expected in the production of oats in South America.

Australia's prospects are for slightly smaller outturns than the record harvest last year.



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Washington 25, D. C.
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U.S. GRAIN PRODUCTS GO TO

NEARLY ALL THE WORLD

Overshadowed by the huge quantities of feed grains--corn, oats, barley, and sorghum grain--exported annually from the United States 1/ comparatively small, but nevertheless important quantities of U.S. grain products are shipped to nearly all the world each year.

In 1960-61, shipments of grain products were 478,000 metric tons--up slightly from the 473,000 exported the previous fiscal year. Products exported consisted of cornmeal, hominy and grits, cornstarch, oatmeal and barley malt. Cornmeal figured prominently in the Food-for-Peace program--about 90 percent of the quantity exported was shipped as part of U.S. Government relief programs.

Corn products.--Cornmeal, hominy and grits, and cornstarch exports of over 380,000 tons were up 8 percent from about 360,000 shipped in 1959-60. Cornmeal shipments of 323,000 tons accounted for 85 percent of total corn products exported. Not all of this, however, was for cash sales; about 295,000 tons was part of government relief shipments to needy countries. In 1959-60, cornmeal shipments were 286,000 tons--more than 250,000 going for relief purposes.

Other corn products exported in 1960-61 consisted of 26,000 tons of hominy and grits compared to 29,000 the previous year and 34,000 tons of cornstarch against last year's exports of 45,000. Largest markets for cornmeal cash sales were Canada, the Netherlands Antilles, and the Congo Republic. Hominy and grits found best markets in Canada and Venezuela

1/ See Foreign Crops and Markets, August 14, 1961.

COARSE GRAINS (grain equivalent): U.S. exports by country of destination, fiscal year 1960-61

Country of destination	Corn and products								Total
	Corn except seed	Corn seed except sweet	Corn for relief	Corn meal	Hominy and grits	Corn starch	Corn meal for relief		
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	
North and Central America and Caribbean:									
Canada	806,041:	739:	--	10,728:	12,305:	9,314:	--	--	839,127
Mexico	37,115:	791:	7,737:	415:	537:	528:	5,722:	--	52,845
British Honduras	464:	--	--	--	--	8:	--	--	472
Canal Zone	--	--	--	25:	131:	1:	--	--	157
Costa Rica	5:	--	11:	--	--	681:	--	--	697
El Salvador	15:	--	--	22:	--	32:	--	--	69
Guatemala	114:	--	278:	103:	--	199:	417:	--	1,111
Honduras	13:	--	--	--	1,332:	57:	365:	--	1,767
Nicaragua	6:	--	401:	308:	--	15:	511:	--	1,241
Panama	7,726:	--	--	143:	920:	1,159:	--	--	9,948
Bahamas	1,625:	1:	--	208:	2,024:	144:	--	--	4,002
Barbadoe	25:	--	--	521:	--	--	--	--	546
Bermuda	12:	2:	--	11:	--	60:	--	--	85
Cuba	13,762:	--	--	362:	57:	1,517:	665:	--	16,363
Dominican Republic	--	--	--	370:	490:	61:	--	--	921
French West Indies	112:	--	--	83:	--	--	289:	--	484
Haiti	41:	--	--	--	--	128:	3,924:	--	4,093
Jamaica	6,081:	--	--	600:	105:	974:	2,315:	--	10,075
Leeward and Windward Islands	850:	--	--	191:	--	3:	196:	--	1,240
Netherlands Antilles	1,203:	55:	--	6,472:	--	45:	--	--	7,775
Trinidad and Tobago	2,087:	--	--	242:	--	233:	19:	--	2,581
Total	877,297:	1,588:	8,427:	20,804:	17,901:	15,159:	14,423:	955,599	
South America:									
Argentina	12:	17:	--	--	--	17:	--	--	46
Bolivia	--	--	--	--	--	7:	356:	--	363
Brazil	--	--	--	--	--	267:	3,882:	--	4,149
British Guinea	49:	--	--	10:	45:	--	--	--	104
Chile	15,777:	10:	--	--	--	11:	13,686:	--	29,484
Colombia	23,606:	13:	--	--	--	452:	7,503:	--	31,574
Ecuador	11:	--	--	--	--	606:	--	--	617
Paraguay	--	--	--	--	--	--	3,868:	--	3,868
Peru	15,163:	--	--	36:	--	1,652:	12,088:	--	28,939
Surinam	278:	--	--	88:	--	1:	--	--	367
Venezuela	486:	17:	--	57:	6,461:	448:	--	--	7,469
Uruguay	16:	13:	--	--	--	41:	660:	--	730
Others	--	--	--	--	--	--	--	--	--
Total	55,398:	70:	--	191:	6,506:	3,502:	42,043:	107,710	
Western Europe:									
Austria	194,037:	--	--	--	--	--	1,378:	--	195,415
France	4,406:	610:	--	--	116:	2:	30:	--	5,164
Belgium-Luxembourg	466,772:	560:	--	--	528:	425:	--	--	468,285
Denmark	17,640:	3:	--	--	--	1:	--	--	17,644
Finland	12:	--	--	--	--	28:	--	--	40
Germany, West	353,298:	1,767:	--	14:	--	46:	75:	--	355,200
Greece	105,627:	3:	--	--	--	13:	11,851:	--	117,494
Iceland	215:	--	--	586:	--	4:	--	--	805
Ireland	104,440:	--	--	--	--	2:	--	--	104,442
Italy	106,639:	332:	--	110:	--	20:	14,280:	--	121,381
Netherlands	1,091,080:	139:	--	986:	175:	2:	--	--	1,092,382
Norway	44,759:	--	--	--	--	1,067:	--	--	45,826
Portugal	--	23:	--	731:	--	--	2,330:	--	3,084
Spain	233,435:	292:	--	--	--	--	5,200:	--	238,927
Sweden	6,911:	52:	--	80:	851:	762:	--	--	8,656
Switzerland	8,298:	1:	--	--	--	349:	--	--	8,648
United Kingdom	1,893,076:	36:	--	81:	25:	9,620:	--	--	1,902,838
Malta	2:	--	--	--	--	--	--	--	2
Trieste	20,320:	--	--	--	--	--	18:	--	20,338
Total	4,650,967:	3,818:	--	2,588:	1,695:	12,341:	35,162:	4,706,571	
Eastern Europe:									
Czechoslovakia	--	10:	--	--	--	--	--	--	10
Hungary	--	2:	--	--	--	--	--	--	2
Poland	60,412:	--	--	--	--	--	2,876:	--	63,288
Rumania	--	44:	--	--	--	--	--	--	44
Yugoslavia	--	643:	--	--	--	--	13:	--	656
Bulgaria	--	4:	--	--	--	--	--	--	4
U.S.S.R.	--	--	--	--	--	--	--	--	--
Total	60,412:	703:	--	--	--	--	2,889:	64,004	
Total all Europe	4,711,379:	4,521:	--	2,588:	1,695:	12,341:	38,051:	4,770,575	

COARSE GRAINS (grain equivalent): U.S. exports by country of destination, fiscal year 1960-61

Oats and products				Barley and products			Grain		Grand total	Country of destination
Oats	Oatmeal		Total	Barley	Malt	Total	sorghums	all grains & products		
	Bulk	Packaged							Metric tons	Metric tons
									North and Central America and Caribbean:	
72:	--	123:	195:	28,508:	74:	28,582:	15,754:	883,658:	Canada	
1,226:	7,053:	1,336:	9,615:	41,090:	2,441:	43,531:	27,306:	133,297:	Mexico	
--	--	95:	95:	--	43:	43:	--	610:	British Honduras	
--	20:	46:	66:	--	--	--	--	223:	Canal Zone	
--	77:	1,293:	1,370:	--	1,126:	1,126:	9:	3,202:	Costa Rica	
--	--	273:	273:	50:	1,380:	1,430:	--	1,772:	El Salvador	
--	696:	530:	1,226:	--	1,108:	1,108:	--	3,445:	Guatemala	
--	11:	1,191:	1,202:	--	2,278:	2,278:	--	5,247:	Honduras	
--	--	835:	835:	--	438:	438:	--	2,514:	Nicaragua	
104:	198:	1,488:	1,790:	--	1,478:	1,478:	--	13,216:	Panama	
4:	29:	94:	127:	3:	--	3:	--	4,132:	Bahamas	
177:	--	--	177:	--	109:	109:	146:	978:	Barbados	
--	--	14:	14:	--	--	--	--	99:	Bermuda	
509:	--	249:	758:	--	4,868:	4,868:	401:	22,390:	Cuba	
140:	90:	526:	756:	--	610:	610:	--	2,287:	Dominican Republic	
--	--	2:	2:	--	--	--	--	486:	French West Indies	
--	--	93:	93:	--	--	--	14:	4,200:	Haiti	
57:	22:	145:	224:	--	137:	137:	2,328:	12,764:	Jamaica	
--	--	--	--	--	--	--	--	1,240:	Leeward and Windward Is.	
163:	15:	397:	575:	--	7:	7:	--	8,357:	Netherlands Antilles	
238:	--	8:	246:	37:	16:	53:	2,575:	5,455:	Trinidad and Tobago	
2,690:	8,211:	8,738:	19,639:	69,688:	16,113:	85,801:	48,533:	1,109,572:	Total	
									South America:	
--	--	--	--	--	132:	132:	550:	728:	Argentina	
--	--	67:	67:	--	60:	60:	--	490:	Bolivia	
--	--	--	--	--	581:	581:	--	4,730:	Brazil	
27:	12:	37:	76:	--	377:	377:	47:	604:	British Guinea	
--	14:	48:	62:	--	--	--	--	29,546:	Chile	
67:	4,297:	--	4,364:	--	1,917:	1,917:	5,180:	43,035:	Colombia	
--	--	110:	110:	--	529:	529:	--	1,256:	Ecuador	
--	--	--	--	--	--	--	--	3,868:	Paraguay	
--	11:	629:	640:	950:	1,366:	2,316:	1:	31,896:	Peru	
14:	25:	135:	174:	--	--	--	13:	554:	Surinam	
463:	2,306:	9,536:	12,305:	43:	33,461:	33,504:	--	53,278:	Venezuela	
--	--	--	--	--	--	--	--	730:	Uruguay	
--	--	5:	5:	--	--	--	--	5:	Others	
571:	6,665:	10,567:	17,803:	993:	38,423:	39,416:	5,791:	170,720:	Total	
									Western Europe:	
3,476:	--	--	3,476:	44,400:	--	44,400:	11,081:	254,372:	Austria	
--	--	--	--	--	--	--	1,130:	6,294:	France	
35,206:	--	--	35,206:	93,653:	--	93,653:	411,286:	1,008,430:	Belgium-Luxembourg	
1,267:	--	1:	1,268:	72,891:	--	72,891:	49,503:	141,306:	Denmark	
--	--	--	--	--	--	--	40:	40:	Finland	
27,257:	--	--	27,257:	204,465:	--	204,465:	71,275:	658,197:	Germany, West	
--	--	29:	29:	51,691:	--	51,691:	4,399:	173,613:	Greece	
14:	--	--	14:	5,343:	--	5,343:	--	6,162:	Iceland	
--	--	--	--	1,524:	--	1,524:	--	105,966:	Ireland	
7,875:	--	--	7,875:	58,000:	--	58,000:	17,503:	204,759:	Italy	
280,090:	14:	--	280,104:	232,802:	--	232,802:	704,962:	2,310,250:	Netherlands	
--	--	--	--	508:	--	508:	43,966:	90,300:	Norway	
--	--	--	--	--	62:	62:	--	3,146:	Portugal	
--	--	--	--	202,143:	--	202,143:	238:	441,308:	Spain	
1,040:	--	--	1,040:	2,754:	--	2,754:	6,724:	19,174:	Sweden	
28,906:	--	--	28,906:	36,309:	--	36,309:	10,591:	84,454:	Switzerland	
--	--	--	--	6,292:	--	6,292:	293,900:	2,203,030:	United Kingdom	
--	--	--	--	3,437:	--	3,467:	--	3,469:	Malta	
--	--	--	--	--	--	--	--	20,338:	Trieste	
385,131:	14:	30:	385,175:	1,016,242:	62:	1,016,304:	1,626,558:	7,734,608:	Total	
									Eastern Europe:	
--	--	--	--	--	--	--	--	10:	Czechoslovakia	
--	--	--	--	--	--	--	--	5:	Hungary	
--	--	--	--	246,062:	--	246,062:	97,359:	406,677:	Poland	
--	--	--	--	--	--	--	--	44:	Rumania	
--	--	--	--	--	--	--	194:	850:	Yugoslavia	
--	--	--	--	--	--	--	--	4:	Bulgaria	
--	--	--	--	6:	--	6:	--	6:	U.S.S.R.	
--	--	--	--	246,068:	--	246,068:	97,556:	407,628:	Total	
385,131:	14:	30:	385,175:	1,262,310:	62:	1,262,372:	1,724,114:	8,142,236:	Total all Europe	

COARSE GRAINS (grain equivalent): U.S. exports by country of destination, fiscal year 1960-61 (Continued)

Country of destination	Corn and products								Total
	Corn except seed	Corn seed except sweet	Corn for relief	Corn meal	Hominy and grits	Corn starch	Corn meal for relief		
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons		
Africa:									
Algeria	--	--	--	--	--	--	3,943:	3,943	
Egypt	39,775:	--	--	--	--	--	6: 42,412:	82,193	
Libya	--	1:	--	--	--	--	2: --	3	
Madeira Islands	--	--	--	--	121:	--	--	121	
Morocco	--	--	--	--	--	--	15: --	15	
Portuguese West Africa	--	--	--	--	7:	--	--	7	
Tunisia	14,895:	--	--	--	--	--	141:	15,036	
Ethiopia	20:	--	--	--	13:	--	1: --	34	
Angola	--	--	--	--	9:	--	--	40	
Congo Republic	500:	--	--	--	4,529:	--	27: 3,969:	9,025	
British East Africa	9,200:	--	--	--	--	--	--	9,200	
British West Africa	--	--	--	--	--	--	--	261	
Ghana	91:	--	--	--	--	--	--	1,034:	1,125
Liberia	16:	--	--	--	188:	16:	52: 1,252:	1,524	
Nigeria and Cameroon	84:	--	--	--	4:	--	--	690:	778
Mozambique	--	--	--	--	8:	--	--	--	8
South Africa Republic	--	--	--	--	--	--	--	--	--
Canary Islands	39,266:	--	--	--	133:	--	1: --	39,400	
French Somaliland	2:	1:	--	--	--	--	--	3	
Other West Africa	1,508:	--	--	--	--	--	--	7,208:	8,716
Others	--	--	--	--	11:	--	7: 368:	386	
Total	105,357:	2:	--	--	5,023:	16:	111:	61,309:	171,818
Asia:									
Aden	20:	--	--	--	--	--	--	80:	100
Arabian Peninsula	18:	--	--	--	--	--	--	--	18
Bahrain	81:	--	--	--	--	63:	--	--	144
Iran	9,893:	5:	714:	--	54:	--	105:	--	10,771
Iraq	74:	5:	--	--	--	--	--	--	79
Israel	113,274:	157:	88:	--	--	--	512:	12:	114,043
Jordan	75:	--	--	--	--	--	--	--	75
Kuwait	223:	--	--	--	8:	--	--	--	231
Lebanon	3,650:	--	--	--	16:	--	32:	--	3,698
Saudi Arabia	12:	--	--	--	78:	--	18:	--	108
Syria	7,983:	--	5,000:	--	--	--	--	--	12,983
Afghanistan	--	--	--	--	--	--	2:	--	2
Ceylon	--	--	--	--	--	--	209:	--	209
Taiwan	500:	--	342:	--	--	--	11:	11,681:	12,534
Hong Kong	613:	3:	--	--	41:	--	107:	2,551:	3,315
India	98,768:	--	1,840:	--	12:	--	51:	11,178:	111,849
Indonesia	--	--	69:	--	3:	--	29:	--	101
Japan	607,175:	61:	--	--	--	--	75:	193:	607,504
Korean Republic	4,999:	--	--	--	--	--	931:	78,677:	84,607
Malaya and Singapore	241:	2:	--	--	--	--	--	1,225:	1,468
Pakistan	2:	--	1,222:	--	--	--	--	1,086:	2,310
Philippines	28:	--	--	--	5:	--	7:	17,005:	17,045
Thailand	13:	--	--	--	--	--	--	--	13
Vietnam	--	--	90:	--	--	--	--	11,330:	11,420
Cambodia and Laos	--	--	--	--	--	--	--	64:	64
Nansei Islands	5:	--	--	--	--	--	212:	3,538:	3,755
Others	--	--	--	--	--	--	--	--	--
Total	847,647:	233:	9,365:	217:	63:	2,301:	138,620:	998,446	
Oceania:									
Australia	--	--	--	--	--	--	197:	--	197
New Zealand	3:	9:	--	--	--	--	45:	--	57
French Pacific Islands	17:	--	--	--	--	--	4:	--	4
Total	20:	9:	--	--	--	--	246:	--	275
World total	6,597,096:	6,423:	17,792:	28,823:	26,181:	33,661:	294,446:	7,004,423	
Equivalent, 1,000 bushels	259,714:	253:	700:	1,135:	1,031:	1,325:	11,592:	275,750	

COARSE GRAINS (grain equivalent): U.S. exports by country of destination, fiscal year 1960-61 (Continued)

Oats and products				Barley and products			Grand total		Country of destination
Oats	Oatmeal		Total	Barley	Malt	Total	Grain sorghums	all grains & products	
	Bulk	Packaged							
	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	Metric tons	
									Africa:
								3,943:	Algeria
								82,193:	Egypt
				44,114:		44,114:		44,117:	Libya
								121:	Madeira Islands
				21,293:		21,293:		21,308:	Morocco
								7:	Portuguese West Africa
				2,000:		2,000:	9,997:	27,033:	Tunisia
		75:	75:				9,997:	10,106:	Ethiopia
		21:	21:			855:	855:	916:	Angola
		37:	37:			3,075:	3,075:	12,137:	Congo Republic
		21:	21:					9,221:	British East Africa
								261:	British West Africa
								1,125:	Ghana
	16:	147:	163:					1,687:	Liberia
	144:		144:					922:	Nigeria and Cameroon
								8:	Mozambique
		5:	5:			71:	71:	94:	South Africa Republic
								39,400:	Canary Islands
								3:	French Somaliland
							1,986:	10,702:	Other West Africa
		12:	12:					398:	Others
	160:	318:	478:	64,407:	4,001:	71,408:	22,074:	265,778:	Total
									Asia:
								100:	Aden
				391:		391:		409:	Arabian Peninsula
				328:		328:		472:	Bahrain
		58:	58:	38,500:		38,400:		49,329:	Iran
								79:	Iraq
				43,132:		43,132:	184,610:	341,785:	Israel
				10,070:		10,070:		10,145:	Jordan
		3:	3:	5,501:		5,501:		5,735:	Kuwait
		23:	23:	29,875:		29,875:		33,596:	Lebanon
		18:	18:	12,723:	185:	12,908:		13,034:	Saudi Arabia
				63,384:		63,384:	11,999:	88,366:	Syria
								2:	Afghanistan
								209:	Ceylon
				19,202:		19,202:		31,736:	Taiwan
								3,315:	Hong Kong
		5:	5:				53,246:	165,100:	India
		103:	103:					204:	Indonesia
		16:	16:				143,865:	751,385:	Japan
				181,382:		181,382:		265,989:	Korean Republic
		75:	75:				20:	1,563:	Malaya and Singapore
		6:	6:					2,316:	Pakistan
119:	491:	481:	1,091:	2,411:		2,411:	124:	20,671:	Philippines
								13:	Thailand
		5:	5:					11,425:	Vietnam
		5:	5:					69:	Cambodia and Laos
		5:	5:					3,760:	Nansei Islands
		4:	4:					4:	Others
119:	491:	807:	1,417:	406,899:	185:	407,084:	393,864:	1,800,811:	Total
									Oceania:
		20:	20:					217:	Australia
								57:	New Zealand
		2:	2:					23:	French Pacific Islands
		22:	22:					297:	Total
388,512:	15,541:	20,482:	424,534:	1,807,297:	58,784:	1,866,081:	2,194,376:	11,489,414:	World total
26,766:	1,070:	1,411:	29,247:	83,008:	2,700:	85,708:	86,388:		:Equivalent, 1,000 bushels

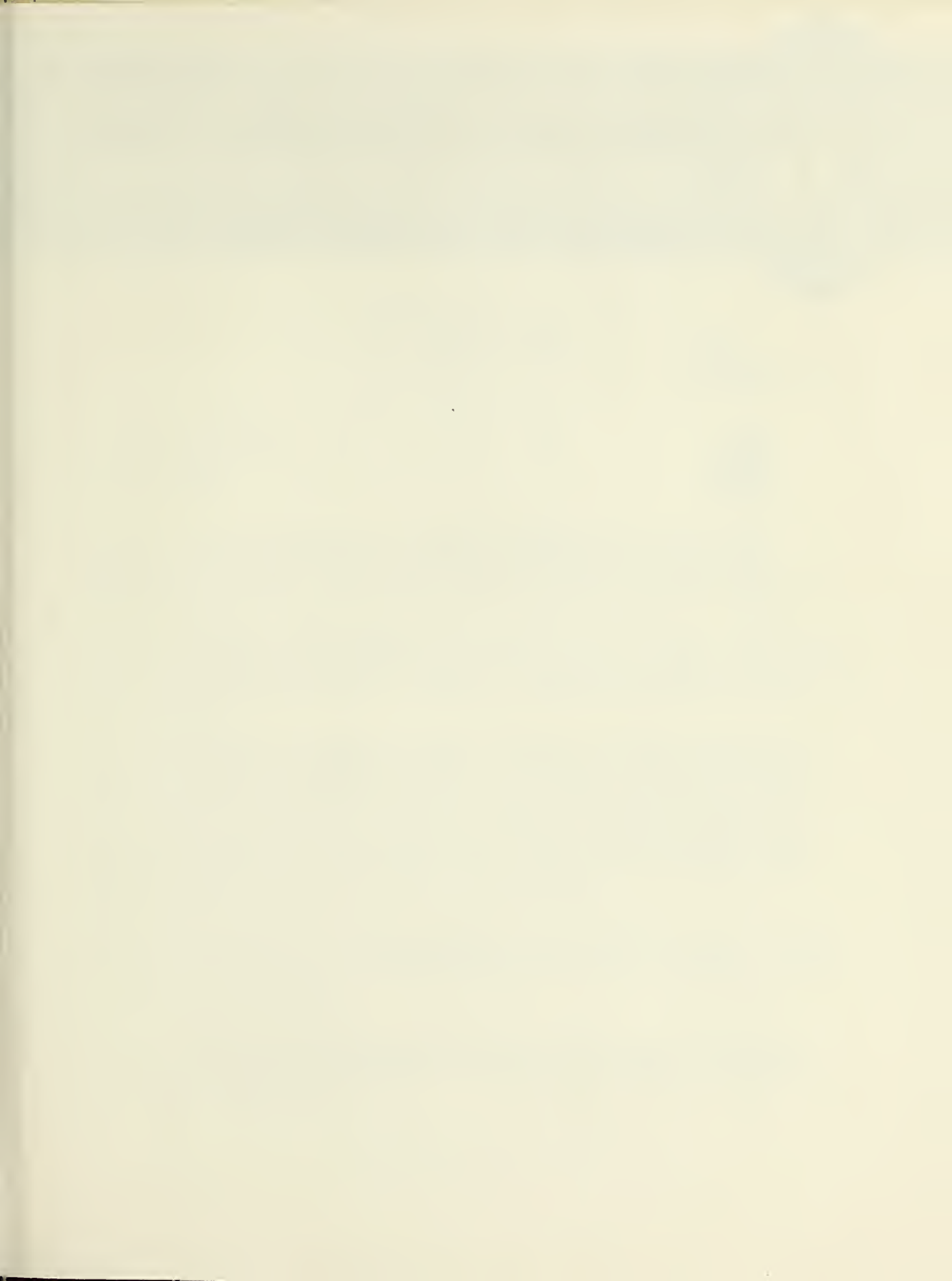
and most cornstarch exports went to Canada and the United Kingdom. Relief shipments of cornmeal went mostly to Chile, Peru, Italy, Greece, Spain, Egypt, Korea, India, Formosa (Taiwan), and Thailand.

Oatmeal.--U.S. exports of oatmeal (bulk and packaged) were about 36,000 tons in 1960-61--up 27 percent from the 28,000 tons shipped in 1959-60. Best markets were in Latin America, namely Venezuela, Mexico, and Colombia.

Barley malt.--About 59,000 tons of barley malt were exported in 1960-61--down 31 percent from last year's shipments of 85,000 tons. Venezuela was the market for 50 percent of the total U.S. barley malt exported in 1960-61. Other markets were Cuba and the Congo Republic which received a total of about 8,000 tons.



Growth Through Agricultural Progress



UNITED STATES DEPARTMENT OF AGRICULTURE
Washington 25, D. C.

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FG 14-61
December 1961

SMALLER WORLD CORN

CROP FORECAST



World corn production in 1961-62 will be somewhat below the record 1960-61 outturn, according to preliminary forecasts by the Foreign Agricultural Service. The outlook is for a total of slightly over 7.0 billion bushels of dried corn, compared with 7.5 billion last season.

This is the first time estimates have covered corn for grain only; the series has been revised to conform with the new U.S. practice of reporting only corn harvested as grain. Former U.S. estimates covered corn for all purposes.

Smaller harvests in the United States and Eastern Europe account for most of the reduction from last year's record crop. Even with reduced outturn, the U.S. produced more than half the total world production. A record carryover in this country on October 1 maintains supplies for 1961-62 at a high level, only 2 percent below the record supplies for 1960-61. The large surplus available for export will meet less competition from Danube Basin countries, where production is considerably smaller than the bumper crops of the past 2 years.

Dried corn production in North America is now estimated at 3,874 million bushels, compared with the record crop of 4,186 million in 1960. Larger outturns in Mexico and Canada only slightly offset the substantial reduction in the U.S. crop.

The U.S. reduction is due to a sharply cut acreage. A reduction of 13 million acres brought harvested acreage to 58 million, the smallest corn area harvested in the 1900's. Yields were at an alltime high of 60.9 bushels per acres.

CORN: Acreage, yield per acre, and production in specified countries, year of harvest, average 1950-54, annual 1959-61 1/

Continent and country	Acreage 2/			Yield per acre 3/			Production			
	Average 1950-54	1959	1960	Average 1950-54	1959	1960	Average 1950-54	1959	1960	
	1,000 acres	1,000 acres	1,000 acres	Bushels	Bushels	Bushels	bushels	bushels	bushels	
North America:										
Canada	370	489	514	53.6	63.4	57.1	19,835	31,023	29,337	36,988
El Salvador	434	439	412	16.7	13.4	17.2	7,260	5,900	7,100	--
Guatemala	1,357	--	--	12.5	--	--	17,000	19,500	22,000	--
Honduras	719	--	--	11.6	--	--	8,325	10,500	11,500	--
Mexico	11,417	15,629	14,579	12.4	14.0	13.7	141,390	219,280	200,000	225,000
Nicaragua	308	319	324	15.2	11.9	14.2	4,675	3,800	4,600	--
United States 5/	70,870	72,091	71,443	39.4	53.1	54.5	2,792,703	3,824,598	3,891,212	3,548,813
Cuba	415	457	--	16.0	16.8	--	6,640	7,700	--	--
Estimated total 6/	86,810	92,930	91,270	34.7	44.5	45.9	3,011,000	4,136,000	4,186,000	3,874,000
Europe:										
Austria	156	114	144	34.8	50.3	58.2	5,426	5,730	8,385	8,500
France	894	1,740	2,036	29.5	41.3	54.4	26,394	71,800	110,700	93,300
Greece	630	513	520	15.5	22.3	21.8	9,754	11,440	11,330	11,780
Italy	3,316	3,150	3,150	33.8	48.6	47.7	112,232	153,000	150,200	155,000
Portugal	1,183	1,157	1,154	14.4	16.2	15.9	16,986	18,000	18,400	18,500
Spain	991	964	1,025	27.2	40.9	40.4	26,980	39,400	41,400	43,300
Estimated total Western Europe 5/	7,220	7,660	8,050	27.8	39.3	42.4	201,000	301,000	341,000	332,000
Europe:										
Albania	300	--	--	16.0	--	--	4,800	--	--	--
Bulgaria	1,780	1,818	1,853	15.4	26.1	25.0	27,500	47,500	46,400	--
Czechoslovakia	330	462	462	34.9	45.5	48.7	12,200	21,000	22,500	--
Hungary	2,830	3,356	3,462	30.5	41.7	39.9	86,200	140,000	138,000	--
Rumania	7,350	8,785	8,825	17.0	25.5	24.7	125,000	224,000	218,000	--
Yugoslavia	5,950	6,375	6,350	21.8	41.3	38.2	130,000	263,000	242,500	157,500
Estimated total Eastern Europe 6/	18,600	21,180	21,370	20.8	33.2	31.6	387,000	704,000	676,000	473,000
Estimated total all Europe 6/	25,820	28,840	29,420	22.8	34.8	34.6	588,000	1,005,000	1,017,000	805,000
U.S.S.R. (Europe and Asia) 7/										
U.S.S.R. (Europe and Asia) 7/	10,400	8,750	12,500	18.3	20.0	24.0	190,000	175,000	300,000	--
Asia:										
Turkey	1,581	1,730	1,717	19.9	18.2	17.2	31,402	31,500	29,500	28,000
China	--	--	--	--	--	--	410,000	--	--	--
India	8,745	10,706	10,758	11.4	15.0	14.6	99,892	160,200	156,600	153,500
Pakistan	1,013	1,117	1,207	15.8	15.6	14.6	16,016	17,400	17,600	--
Indonesia	5,210	5,758	6,500	13.8	14.3	15.1	72,000	82,400	98,000	95,700
Japan 7/	107	118	108	99	34.7	41.7	2,488	4,100	4,500	3,500
Philippines	2,764	4,560	4,521	10.3	10.1	10.1	28,384	46,000	45,700	46,700
Thailand	109	491	925	13.1	25.3	25.5	1,428	12,440	23,600	31,500
Estimated total 8/	42,600	50,860	52,640	16.7	17.2	16.5	710,000	875,000	870,000	850,000

Africa:											
Republic of the Congo ^{8/}	1,092	1,185			13.5	19.4			14,768	23,000	
Kenya ^{9/}	425				28.2				12,000	13,000	
Egypt	1,819	1,929	1,890	1,930	33.9	30.6	35.2	30.2	61,670	59,000	66,600
Morocco ^{10/}	1,248	1,000	1,005	1,000	7.8	13.5	15.7	7.1	9,724	13,500	15,750
Former French West Africa	1,733				9.8				16,975		
Malagasy Republic	200				14.0				2,800		
Angola	1,300				8.2				10,670	13,800	
Federation of Rhodesia & Nyasaland										44,000	47,000
Republic of South Africa	7,865				14.7				115,450	150,000	180,000
Estimated total ^{6/}	25,670	29,210	29,540	28,870	15.2	16.3	17.6	16.3	390,000	475,000	520,000
South America:											
Argentina	4,833	6,000	6,848		24.8	29.2	29.2		120,098	175,000	200,000
Brazil	12,700	16,260	16,775		19.4	20.6	20.9		247,000	335,000	350,000
Chile	135	184	203		26.2	30.9	27.9		3,542	5,690	5,660
Colombia	1,800	1,606	1,803		17.1	17.2	18.9		30,800	27,600	34,000
Ecuador	344	500	500		10.0	12.4	12.0		3,440	6,200	6,000
Peru	636	658	657		19.2	23.1	20.2		12,186	13,100	13,300
Uruguay	643	641	585		10.7	4.8	13.3		6,902	3,100	7,800
Venezuela	700	693	815		18.4	19.0	19.3		12,850	13,200	15,700
Estimated total ^{6/}	22,380	27,020	28,790	28,540	20.1	21.8	22.4	21.9	450,000	590,000	645,000
Oceania:											
Australia	173	186	184		27.2	36.0	32.6		4,710	6,700	6,000
New Zealand	5	7	5		62.0	57.1	50.0		310	400	250
Estimated total ^{6/}	180	200	190	210	27.8	35.0	36.8	33.3	5,000	7,000	7,000
Estimated world total ^{6/}	213,860	237,810	244,350	235,650	25.0	30.5	30.9	29.8	5,345,000	7,265,000	7,545,000

^{1/} Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which follow; thus, the crop harvested in the Northern Hemisphere in 1961 is combined with preliminary forecasts for the Southern Hemisphere harvest which will begin early in 1962. ^{2/} Figures refer to harvested area as far as possible. ^{3/} Yield per acre calculated from acreage and production data shown. ^{4/} Preliminary estimates for Northern Hemisphere countries; for the Southern Hemisphere, preliminary forecasts. ^{5/} New series covering corn for grain only, carried for the first time. Series previously carried was all corn, i.e. including silage, forage, etc. All corn for 1950-54 was 3,112 million bushels; 1959, 4,197 million; 1960, 4,304 million. ^{6/} Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. ^{7/} Dried corn only. Previous published series included some immature corn. ^{8/} Includes Ruanda-Urundi. ^{9/} Production on European holdings only. Allowances for native cultivation, not shown, are included in estimated total for Africa. ^{10/} Includes area formerly known as Spanish Morocco.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

A change in U.S. crop reporting policy puts reported acreage and production of corn on a harvested as grain basis instead of corn for all purposes. This is the first world corn survey put out with the changed basis. In recent years the grain equivalent of corn utilized for silage, hogging down, grazing, and forage has averaged about 350 million bushels and acreage has averaged 10 million acres.

Western Europe's total is tentatively estimated at 332 million bushels, compared with 341 million in 1960. The reduction was entirely in France where much smaller yields than last year resulted in smaller production despite increased acreage. Eastern European production is down because of reductions in the important producing Danube Basin countries. Lower production is caused by smaller yields than the good yields of the past 2 years. The 2 largest producers, Yugoslavia and Rumania, together have a reduction of over 150 million bushels from the high 1960 level and no significant exporting can be expected. Production is also somewhat smaller in Hungary and Bulgaria.

Dried corn production in the Soviet Union is estimated well above the 1960 crop of 300 million bushels. Most of the increase is attributed to expanded acreage.

Asia's crop is estimated at 850 million bushels, slightly smaller than the large outturns of the past 2 years. Small reductions are indicated for Mainland China and India, the largest producers of the area.

Total output is also estimated smaller in Africa. It is too early for dependable estimates for Southern Hemisphere countries where harvest does not begin for several months. The Republic of South Africa, where about a third of Africa's total is produced, does not begin harvesting until next April. Conditions during the next few months will thus determine the final outcome.

The forecast for South America is also subject to change on the basis of growing conditions up to April 1. The present outlook is for a much above average production. Acreage is estimated to be well above average. If growing conditions are normal, a total of about 625 million bushels is expected.

Corn is of minor importance in Australia. If conditions are normal, the harvest may approximate the 1960 crop of 6 million bushels.

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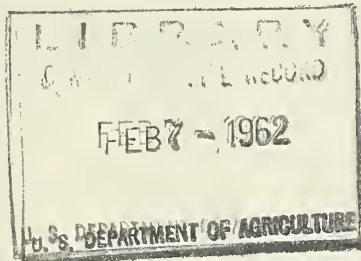
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GRAIN
FG 14-61
December 1961

SMALLER WORLD CORN

CROP FORECAST



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Dried corn production in North America is now estimated at 3,874 million bushels, compared with the record crop of 4,186 million in 1960. Larger outturns in Mexico and Canada only slightly offset the substantial reduction in the U.S. crop.

The U.S. reduction is due to a sharply cut acreage. A reduction of 13 million acres brought harvested acreage to 58 million, the smallest corn area harvested in the 1900's. Yields were at an alltime high of 60.9 bushels per acres.

CORN: Acreage, yield per acre, and production in specified countries, year of harvest, average 1950-54, annual 1959-61

Continent and country	Acreage 2/			Yield per acre 3/			Production				
	Average 1950-54	1960	1961	Average 1950-54	1959	1960	1961	Average 1950-54	1959	1960	1961
	acres	acres	acres	Bushels	Bushels	Bushels	Bushels	bushels	bushels	bushels	bushels
North America:											
Canada	370	489	514	53.6	63.4	57.1	72.6	19,835	31,023	29,337	36,988
El Salvador	434	439	412	16.7	13.4	17.2	--	7,260	5,900	7,100	--
Guatemala	1,357	--	--	12.5	--	--	--	17,000	19,500	22,000	--
Honduras	719	--	--	11.6	--	--	--	8,325	10,500	11,500	--
Mexico	11,417	15,629	14,579	12.4	14.0	13.7	--	141,390	219,280	200,000	225,000
Nicaragua	308	319	324	15.2	11.9	14.2	--	4,675	3,800	4,600	--
United States 5/	70,870	72,091	71,443	39.4	53.1	54.5	60.9	2,792,703	3,824,598	3,891,212	3,548,813
Cuba	415	457	--	16.0	16.8	--	--	6,540	7,700	--	--
Estimated total 6/	86,810	92,930	91,270	34.7	44.5	45.9	49.3	3,011,000	4,136,000	4,186,000	3,874,000
Europe:											
Austria	156	114	144	34.8	50.3	58.2	57.4	5,426	5,730	8,385	8,500
France	894	1,740	2,372	29.5	41.3	54.4	39.3	26,394	71,800	110,700	93,300
Greece	630	513	520	15.5	22.3	21.8	24.0	9,754	11,440	11,330	11,780
Italy	3,316	3,150	3,150	33.8	48.6	47.7	47.0	112,232	153,000	150,200	155,000
Portugal	1,183	1,165	1,154	14.4	16.2	15.9	16.0	16,986	18,900	18,400	18,500
Spain	991	964	1,025	27.2	40.9	40.4	41.7	26,980	39,400	41,400	43,300
Estimated total Western Europe 5/	7,220	7,660	8,050	27.8	39.3	42.4	38.9	201,000	301,000	341,000	332,000
Europe 6/											
Albania	300	--	--	16.0	--	--	--	4,800	--	--	--
Bulgaria	1,780	1,818	1,853	15.4	26.1	25.0	--	27,500	47,500	46,400	--
Czechoslovakia	350	462	482	34.9	45.5	48.7	--	12,200	21,000	22,500	--
Hungary	2,830	3,356	3,462	30.5	41.7	39.9	--	86,200	140,000	138,000	--
Rumania	7,350	8,785	8,825	17.0	25.5	24.7	--	125,000	224,000	218,000	--
Yugoslavia	5,950	6,375	6,350	21.8	41.3	38.2	24.9	130,000	263,000	242,500	157,500
Estimated total Eastern Europe 6/	18,600	21,180	21,370	20.8	33.2	31.6	21.8	387,000	704,000	676,000	473,000
Estimated total all Europe 6/	25,820	28,840	29,420	22.8	34.8	34.6	26.6	588,000	1,005,000	1,017,000	805,000
U.S.S.R. (Europe and Asia) 7/	10,400	8,750	12,500	18.3	20.0	24.0	--	190,000	175,000	300,000	--
Asia:											
Turkey	1,581	1,730	1,717	19.9	18.2	17.2	17.2	31,402	31,500	29,500	28,000
China	--	--	--	--	--	--	--	410,000	--	--	--
India	8,745	10,706	10,758	11.4	15.0	14.6	14.6	99,892	160,200	156,600	153,500
Pakistan	1,013	1,117	1,207	15.8	15.6	14.6	--	16,016	17,400	17,600	--
Indonesia	5,210	5,758	6,670	13.8	14.3	15.1	14.3	72,000	82,400	98,000	95,700
Japan 7/	107	118	108	23.3	34.7	41.7	35.4	2,488	4,100	4,500	3,500
Philippines	2,764	4,560	4,521	10.3	10.1	10.1	10.1	28,384	46,000	45,700	46,700
Thailand	109	491	925	13.1	25.3	25.5	26.9	1,428	12,440	23,600	31,500
Estimated total 6/	42,600	50,860	52,640	16.7	17.2	16.5	16.0	710,000	875,000	870,000	850,000

Africa:													
Republic of the Congo ^{8/}	1,092	1,185	--	13.5	19.4	--	14,768	23,000	--	--	--	--	--
Kenya ^{9/}	425	--	--	28.2	--	--	12,000	59,000	--	--	--	--	--
Egypt	1,819	1,929	1,890	33.9	30.6	30.2	61,670	59,000	66,600	58,300	7,100	15,750	--
Morocco ^{10/}	1,248	1,000	1,005	7.8	13.5	7.1	9,724	13,500	--	--	--	--	--
Former French West Africa	1,733	--	--	9.8	--	--	16,975	--	--	--	--	--	--
Malagasy Republic	200	--	--	14.0	--	--	2,800	--	--	--	--	--	--
Angola	1,300	--	--	8.2	--	--	10,670	13,900	--	--	--	--	--
Federation of Rhodesia & Nyasaland	--	--	--	--	--	--	--	44,000	47,000	--	--	--	--
Republic of South Africa	7,865	--	--	14.7	--	--	115,450	150,000	180,000	--	--	--	--
Estimated total ^{6/}	25,670	29,210	29,540	15.2	16.3	16.3	390,000	475,000	520,000	470,000	--	--	--
South America:													
Argentina	4,833	6,000	6,848	24.8	29.2	29.2	120,098	175,000	200,000	--	--	--	--
Brazil	12,700	16,260	16,775	19.4	20.6	20.9	247,000	335,000	350,000	--	--	--	--
Chile	135	184	203	26.2	30.9	27.9	3,542	5,690	5,660	--	--	--	--
Colombia	1,800	1,606	1,803	17.1	17.2	18.9	30,800	27,600	34,000	--	--	--	--
Ecuador	344	500	500	10.0	12.4	12.0	3,440	6,200	6,000	--	--	--	--
Peru	636	568	657	19.2	23.1	20.2	12,186	13,100	13,300	--	--	--	--
Uruguay	643	641	585	10.7	4.8	13.3	6,902	3,100	7,800	--	--	--	--
Venezuela	700	693	815	18.4	19.0	19.3	12,850	13,200	15,700	--	--	--	--
Estimated total ^{6/}	22,380	27,020	28,790	20.1	21.8	22.4	450,000	590,000	645,000	625,000	--	--	--
Oceania:													
Australia	173	186	184	27.2	36.0	32.6	4,710	6,700	6,000	--	--	--	--
New Zealand	5	7	5	62.0	57.1	50.0	310	400	250	--	--	--	--
Estimated total ^{6/}	180	200	190	27.8	35.0	36.8	5,000	7,000	7,000	7,000	7,000	7,000	7,000
Estimated world total ^{6/}	213,860	237,810	244,350	25.0	30.5	30.9	5,345,000	7,265,000	7,545,000	7,030,000	--	--	--

^{1/} Years shown refer to years of harvest in the Northern Hemisphere. Harvests of Northern Hemisphere countries are combined with those of the Southern Hemisphere which follow; thus, the crop harvested in the Northern Hemisphere in 1961 is combined with preliminary forecasts for the Southern Hemisphere harvest which will begin early in 1962. ^{2/} Figures refer to harvested area as far as possible. ^{3/} Yield per acre calculated from acreage and production data shown. ^{4/} Preliminary estimates for Northern Hemisphere countries; for the Southern Hemisphere, preliminary forecasts. ^{5/} New series covering corn for grain only, carried for the first time. Series previously carried was all corn, i.e. including silage, forage, etc. All corn for 1950-54 was 3,112 million bushels; 1959, 4,197 million; 1960, 4,304 million. ^{6/} Estimated totals, which in the case of production are rounded to millions, include allowances for any missing data for countries shown and for other producing countries not shown. ^{7/} Dried corn only. Previous published series included some immature corn. ^{8/} Includes Ruanda-Urundi. ^{9/} Production on European holdings only. Allowances for native cultivation, not shown, are included in estimated total for Africa. ^{10/} Includes area formerly known as Spanish Morocco.

Foreign Agricultural Service. Prepared or estimated on the basis of official statistics of foreign governments, other foreign source material, reports of U.S. Agricultural Attaches and Foreign Service Officers, results of office research and related information.

A change in U.S. crop reporting policy puts reported acreage and production of corn on a harvested as grain basis instead of corn for all purposes. This is the first world corn survey put out with the changed basis. In recent years the grain equivalent of corn utilized for silage, hogging down, grazing, and forage has averaged about 350 million bushels and acreage has averaged 10 million acres.

Western Europe's total is tentatively estimated at 332 million bushels, compared with 341 million in 1960. The reduction was entirely in France where much smaller yields than last year resulted in smaller production despite increased acreage. Eastern European production is down because of reductions in the important producing Danube Basin countries. Lower production is caused by smaller yields than the good yields of the past 2 years. The 2 largest producers, Yugoslavia and Rumania, together have a reduction of over 150 million bushels from the high 1960 level and no significant exporting can be expected. Production is also somewhat smaller in Hungary and Bulgaria.

Dried corn production in the Soviet Union is estimated well above the 1960 crop of 300 million bushels. Most of the increase is attributed to expanded acreage.

Asia's crop is estimated at 850 million bushels, slightly smaller than the large outturns of the past 2 years. Small reductions are indicated for Mainland China and India, the largest producers of the area.

Total output is also estimated smaller in Africa. It is too early for dependable estimates for Southern Hemisphere countries where harvest does not begin for several months. The Republic of South Africa, where about a third of Africa's total is produced, does not begin harvesting until next April. Conditions during the next few months will thus determine the final outcome.

The forecast for South America is also subject to change on the basis of growing conditions up to April 1. The present outlook is for a much above average production. Acreage is estimated to be well above average. If growing conditions are normal, a total of about 625 million bushels is expected.

Corn is of minor importance in Australia. If conditions are normal, the harvest may approximate the 1960 crop of 6 million bushels.

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