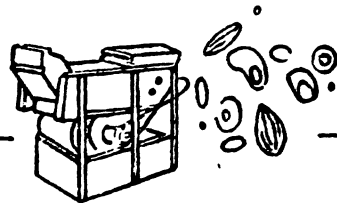


Seed Crops



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ANNUAL SUMMARY

ACREAGE, YIELD, PRODUCTION

SEASON AVERAGE PRICE

AND

VALUE OF PRODUCTION

By States

With Comparisons

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December 18, 1961

UNITED STATES DEPARTMENT OF AGRICULTURE

Statistical Reporting Service

SeHy 1-3 (61)

Crop Reporting Board

Washington, D. C.

UNITED STATES: Acres, Yield, and Production, Average 1950-59, 1960 and 1961

Kind of seed	Acres harvested			Yield per acre			Production-clean seed		
	Average :	1960 :	1961 :	Average :	1960 :	1961 :	Average :	1960 :	1961 :
	1950-59 :	1960 :	1961 :	1950-59 :	1960 :	1961 :	1950-59 :	1960 :	1961 :
	Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds	pounds
Alfalfa	997,860	710,400	616,700	154	192	189	1,000	1,000	1,000
Red Clover	1,359,808	1,017,100	850,200	66	87	79	136,458	136,458	116,393
Alsike Clover	58,220	22,200	13,500	195	213	195	88,483	88,483	66,935
Sweetclover	255,920	130,500	85,500	170	212	200	4,732	4,732	2,629
White Clover	35,240	30,550	32,000	132	131	184	10,903	10,903	17,127
Ladino Clover	33,850	22,000	19,800	225	202	227	42,594	42,594	5,883
Lespedeza	633,240	360,000	404,000	197	202	203	4,014	4,014	4,490
							6,545	6,545	81,850
							72,735	72,735	
Timothy	278,280	288,000	185,000	142	159	144	1,000	1,000	1,000
Redtop	72,800	58,000	47,000	71	87	94	39,870	39,870	26,595
Orchardgrass	60,400	59,000	61,000	202	226	232	5,123	5,123	4,400
Kentucky Bluegrass	---	---	---	---	---	---	13,320	13,320	14,145
Merion Kentucky Bluegrass	7,370	15,070	16,410	192	209	222	18,223	18,223	5,560
Chevings Fescue	18,590	25,000	25,000	310	440	300	1,433	1,433	3,638
Red Fescue	8,090	14,400	13,100	339	350	317	5,942	5,942	7,500
Tall (Alta. & Ky. 31) Fescue	135,650	169,400	149,800	223	222	228	2,824	2,824	4,153
Bentgrass	21,330	22,500	23,500	199	226	251	30,174	30,174	34,100
Smooth Bromegrass	77,925	62,300	74,500	159	210	173	4,459	4,459	5,895
Crested Wheatgrass	38,720	32,200	30,000	84	79	71	13,511	13,511	12,905
Sudangrass	108,890	78,500	97,700	488	605	715	3,360	3,360	2,140
							54,038	54,038	69,874
Austrian Winter Peas	50,020	40,600	53,500	1,173	1,094	1,320	44,430	44,430	70,625
Crimson Clover	116,688	73,200	60,300	157	225	217	16,493	16,493	13,061
Lupine	49,530	10,600	7,700	710	756	845	8,015	8,015	6,510
Hairy Vetch	192,270	126,000	102,500	186	230	187	28,955	28,955	19,135
Common Vetch	25,130	10,000	9,500	490	562	551	35,518	35,518	5,230
Purple Vetch	26,720	26,000	30,000	330	150	290	12,698	12,698	8,700
All Ryegrass	131,200	163,000	142,000	847	920	960	8,015	8,015	136,320
							112,697	112,697	
Mustard	34,540	88,800	54,300	540	273	316	149,960	149,960	17,178
							18,873	18,873	

UNITED STATES: Season Average Price and Value of Production, 1960 and 1961; Total Carryover and Initial Supply, Average 1950-59, 1960 and 1961

Kind of seed	Season average price:			Value of		Total Carryover		Initial Supply	
	per 100 pounds			Production		(Dealer and Farm)		(Production plus Carryover)	
	1960	1961		1960	1961	Average: 1950-59	1960	1961	Average: 1950-59
	Dollars	Dollars		dollars	dollars	pounds	pounds	pounds	pounds
Alfalfa	27.50	34.40		37,302	39,915	51,569	41,887	38,068	204,010
Red Clover	21.20	27.90		18,620	18,382	29,001	30,780	33,226	116,218
Alsike Clover	16.30	16.10		770	424	5,393	6,288	6,683	16,296
Sweetclover	6.39	9.74		1,797	1,666	18,194	18,881	9,443	60,788
White Clover	64.50	45.50		2,599	2,694	1,717	1,400	1,130	6,189
Ladino Clover	60.10	58.00		2,679	2,606	8,916	1,894	1,497	15,461
Lespedeza	12.70	13.60		9,352	11,246	16,473	11,019	6,171	141,836
Timothy	5.70	7.35		2,623	1,956	11,352	13,677	26,421	51,222
Redtop	15.70	17.20		787	755	2,168	2,187	3,008	7,291
Orchardgrass	15.60	18.00		2,074	2,553	4,156	3,871	3,214	16,372
Kentucky Bluegrass	*5.69	*6.93		3,431	1,031	7,749	9,030	18,755	25,972
Merion Kentucky Bluegrass	89.20	78.20		2,808	2,844	250	1,134	1,611	1,683
Chewings Fescue	16.20	16.00		1,782	1,200	2,363	3,979	7,896	8,305
Red Fescue	17.00	16.00		859	663	2,725	6,785	11,445	5,549
Tall (Alta. & Ky. 31) Fescue	11.20	10.60		4,226	3,624	11,926	2,184	9,946	42,100
Bentgrass	28.20	25.10		1,434	1,481	1,963	2,225	1,540	6,422
Smooth Bromegrass	9.50	9.42		1,225	1,233	8,760	5,415	7,553	22,271
Crested Wheatgrass	16.30	17.50		415	374	2,052	1,971	3,365	5,412
Sudangrass	5.61	5.36		2,663	3,742	18,105	14,542	10,766	72,143
Austrian Winter Peas	3.22	2.81		1,432	1,982	56,459	4,127	2,068	118,695
Crimson Clover	16.70	18.10		2,779	2,391	2,784	2,313	1,987	20,957
Lupine	3.79	4.11		302	266	32,687	2,478	737	71,111
Hairy Vetch	9.37	10.10		2,703	1,940	15,689	4,505	6,226	51,207
Common Vetch	5.26	6.04		295	316	8,591	943	654	21,289
Purple Vetch	8.30	6.00		324	522	1,946	1,104	930	9,961
All Ryegrass	4.40	5.60		6,598	7,634	26,410	69,967	56,525	139,107
Mustard	5.14	5.36		1,245	920	---	---	---	---

*Cured seed.

SEED CROPS--1961 ANNUAL SUMMARY

Production of 26 kinds of seeds used for hay, pasture, turf and winter cover totaled 746 million pounds, down 8 percent from last year's output of 814 million pounds, and 18 percent below the 1950-59 average. Although the 1961 growing season was favorable for vegetative development, other factors worked to reduce by 12 percent the acreage harvested for seed.

Moisture was generally ample for seed production throughout most of the country except for droughty conditions in the northern half of the West North Central States, parts of Montana, Idaho, Wyoming and Colorado; and in some South Central and South Atlantic States. Abnormally hot temperatures during the latter part of June were unfavorable for seed development in Washington, Idaho and Oregon. In the Corn Belt States damage to seed crops resulted mostly from excessive rains and prolonged periods of wet weather at harvest time. Insect damage was also a problem in some areas. However, in spite of these adverse factors, yields were above average for the majority of seed crops.

Largest declines in production this year compared with last year occurred for common Kentucky bluegrass, alsike clover, timothy, sweetclover, hairy vetch, and Chewings fescue--all down in excess of 30 percent. Red clover was down 24 percent, Crimson clover, lupine and red fescue were down 21 percent, 19 percent, and 18 percent respectively. Lesser declines for other important kinds were 16 percent for crested wheatgrass, 15 percent for alfalfa, and 9 percent for ryegrass and tall fescue. In contrast with these declines, larger crops were harvested this year for 10 kinds. This year's crop of purple vetch in California was more than double that of last year. Austrian winter peas, which are used for winter cover as well as for food and feed, increased 59 percent; white (Dutch) clover and Sudangrass were up 47 percent, and crops of bentgrass and Merion Kentucky bluegrass were 16 percent larger than a year ago. Because of wet weather much of the lespedeza seed remained unharvested by December 1, but the preliminary estimate gives recognition to the weather factor, and indicates an increase of 13 percent for this seed.

Carryover by dealers and farmers of 26 kinds of seeds on June 30, 1961 totaled 270.9 million pounds, 2 percent more than a year earlier but 22 percent less than the 10-year average. Mid-year stocks this year of hay and pasture legume seeds were down 14 percent from last year, with sweetclover and lespedeza heading the list of sharp declines. Alfalfa stocks were down 19 percent but red clover and alsike stocks were up 8 and 6 percent in order. Most notable changes in holdings of other kinds were the very small stocks of lupine, Austrian Winter Peas, bentgrass, and common vetch; and the sharply larger stocks of tall fescue, common Kentucky bluegrass, Chewings fescue, timothy, crested wheatgrass and red fescue.

Initial supply (1961 production plus carryover by dealers and farmers on June 30, 1961) of 26 kinds of seeds, is indicated at 1,016.8 million pounds, 6 percent less than last year's total of 1,079.0 million pounds, and 19 percent below average. In relation to domestic usage in recent years, supply of several kinds, notably sweetclover and Kentucky bluegrass, would be short of needs. However, sizeable imports usually supplement our initial supplies of these and several other important kinds, and may do so again in the 1961-62 merchandising period. Imports already permitted entry under the Federal Seed Act during the 4-month period, July 1 - October 31, 1961 for important items,

in pounds, were as follows: Kentucky bluegrass, 3,055,900; Alsike clover, 1,568,700; red clover, 2,397,200; red fescue, 2,767,400; orchardgrass, 1,707,400; sweetclover, 2,948,400; crested wheatgrass, 395,900; crimson clover, 331,200; and smooth brome grass, 93,700.

Prices received by growers for 1961 crop seeds sales to December 1 were higher than last year's season average price for the majority of kinds, with largest gains recorded for alfalfa, red clover and sweetclover. Kinds indicating lower prices were alsike, white and Ladino clover; Merion Kentucky bluegrass, fescues, bentgrass, Sudangrass, Austrian winter peas, and purple vetch. Total farm value of the 1961 production of the 26 kinds of seeds is estimated at 113.4 million dollars, one percent above the 111.9 million dollar value of 1960 production.

LEGUME SEEDS FOR HAY AND PASTURE: Production of hay and pasture legume seeds was 13 percent below last year. In this group, reductions of 44 percent, 38 percent, and 24 percent, respectively, occurred for alsike clover, sweetclover, and red clover. Alfalfa seed was down 15 percent, largely because of drouth, shortage of irrigation water, and damage by insects, and also as a result of unsatisfactory income from previous years' seed crops. However, production of lespedeza, the leading legume in the South, was up 13 percent despite wet weather at harvest time; and white (Dutch) clover and Ladino clover crops were also larger than last year.

Alfalfa Seed: The 1961 alfalfa seed crop is estimated at 116,393,000 pounds, the smallest crop in ten years. This is 15 percent below last year's outturn of 136,458,000 pounds and 24 percent below the 10-year average. The U. S. harvested acreage was down 13 percent while the yield at 189 pounds per acre was only slightly less than last year's record high of 192 pounds.

Production declines from last year occurred in a majority of States and were chiefly the result of low prices, and adverse weather conditions. Droughty conditions created a need for hay in Montana, North Dakota, South Dakota and parts of Minnesota, Wyoming and Utah; and less acres than last year were saved for seed in each of these States. Grasshoppers and other insects were also troublesome. Wet weather at pollination time, and also during the harvesting season lowered yields in Nebraska, Kansas and Oklahoma. In California, the leading State in alfalfa seed production, the lower yields and reduction in acreage were the result of insufficient water for irrigation, damage from chalcid fly and lygus bugs, winds at seed maturity time, and disappointing returns from several certified varieties last year. The decline of 19 percent in California's production was even more drastic than expected earlier. However, the declines in the foregoing States and areas were partly offset by larger crops in several other Western States and Minnesota.

Red Clover Seed: The 1961 production of red clover seed is the smallest since 1954. It is estimated at 66,935,000 pounds, 24 percent less than last year's total of 88,483,000 pounds and 23 percent below average. The bulk of the decline was in the Corn Belt and in the Western

States, but larger crops were harvested in Ohio, Indiana, Pennsylvania, Maryland, Kentucky, and Washington. Chief reasons for the reduction were disappointing income for the 1960 seed crop, large carryover of seed, inclusion of potential red clover seed acreage in the Feed Grain Program, and droughty conditions in the northwestern Corn Belt States. Rains delayed combining of seed in Ohio, Indiana, Missouri, and Kansas, but elsewhere harvesting was completed with only normal interruptions from weather hazards. Yields per acre were equal to or exceeded the 1960 turnout in the majority of States, but were lower in 7 Corn Belt States and California. The U.S. yield of 79 pounds per acre is 8 pounds below last years's record high yield but 13 pounds above average.

Alsike clover seed: This year's crop of alsike clover seed is estimated at 2,629,000 pounds, the smallest crop of record, and extends the downtrend in production into the fourth consecutive year. The 1961 production compares with 4,732,000 pounds produced a year earlier and the average of 10,903,000 pounds. Production was down in all States. The largest percentage declines occurred in Minnesota and California, down 71 percent and 76 percent respectively. Low prices offered growers for seed, a large carryover, competition from imported seed and droughty conditions in Minnesota were the primary reasons for the decline. Larger yields than last year were attained in Oregon but elsewhere yields were smaller. The U.S. yield of 195 pounds is 18 pounds below last year, but the same as average.

Sweetclover seed: The 1961 sweetclover seed crop, estimated at 17,127,000 pounds, is the smallest of record. It is 38 percent less than last year's production of 27,694,000 pounds and 60 percent below average. All 12 producing States shared in the decline. Low prices for seed for several years, and droughty conditions in parts of Minnesota, the Dakotas and Colorado were chief factors contributing to the drastic reduction. Other noteworthy factors influencing the long-time downward trend in domestic production were insects and relatively large imports in recent years. Less acres than last year were harvested for seed in each of the States except North Dakota where the harvested acreage was the same as a year earlier. The U.S. yield at 200 pounds per acre is 12 pounds less than last year, but 30 pounds above average.

Lespedeza seed: The preliminary estimate of the 1961 lespedeza seed crop is 81,850,000 pounds, 13 percent more than last year's revised total of 72,735,000 pounds, but 35 percent below the 10-year (1950-59) average of 125,363,000 pounds.

Most of the increase was in the Korean species, for which production is indicated at 49,693,000 pounds compared with 37,474,000 pounds last year. Striate Kobe, at 23,964,000 pounds is down 10 percent from the 1960 total of 26,683,000 pounds; and Sericea, at 7,308,000 pounds is down 6 percent from last year's crop of 7,791,000 pounds. Production of striate Common and Tennessee 76 is 620,000 pounds compared with 639,000 pounds in 1960. Yields of seed exceeded those of last year in the majority of States despite droughty conditions during the growing season in the central and eastern part of the producing area. Because of wet weather at harvest time in Missouri and adjoining Corn Belt States much seed remained unharvested by December 1.

Largest increases in seed production occurred this year in the 6-State area extending from eastern Kansas to Virginia; and in South Carolina and

Georgia. Missouri, with 14.0 million pounds leads all States, and is followed in order by Kentucky with 13.7 million, North Carolina with 11.3 million and Tennessee with 9.0 million pounds. These four States have nearly three-fifths of the total production this year.

Because of wet weather, combining of seed began about 6 days later than last year in Missouri and Kansas; and absence of killing frosts delayed operations about a week in Virginia and Maryland. In other States harvesting began about 3 days earlier than last year. Average beginning dates of harvest this year were: October 25 in Georgia, Alabama and Mississippi; October 27 in Illinois and Kentucky; October 29 in Missouri; October 30 in Indiana; October 31 in Oklahoma, Kansas and South Carolina; November 2 in Arkansas, Tennessee and North Carolina; November 10 in Virginia and November 17 in Maryland.

Carryover as of June 30, 1961 of lespedeza seed from 1960 and previous years' crops is estimated at 6,171,000 pounds (3,828,000 held by growers and 2,343,000 pounds by dealers). This compares with holdings a year earlier of 11,019,000 pounds (4,696,000 by growers and 6,323,000 by dealers), and the 10-year average mid-year stocks of 16,473,200 pounds.

Initial supply of lespedeza seed (1961 production plus June 30, 1961 carryover) is indicated at 88,021,000 pounds, 5 percent more than the total of 83,754,000 pounds last year.

White clover seed production in 1961 is estimated at 5,883,000 pounds, about one-half more than last year's total of 4,014,000 pounds and one-third more than the average. Larger crops in Idaho and Oregon more than offset sharp reductions in Alabama, Mississippi and Louisiana where wet weather at harvest time reduced yields and discouraged the harvesting of seed. This year's production of Ladino clover at 4,490,000 pounds, is 1 percent more than the 1960 crop of 4,455,000 pounds. A larger crop in California accounted for the increase.

GRASS SEEDS FOR HAY, PASTURE AND TURF: Production this year of 6 important hay and pasture grasses--timothy, redbud, orchardgrass, tall fescue, smooth brome and crested wheatgrass--totaled 94.5 million pounds, 19 percent below last year's outturn of 117.2 million pounds and 9 percent below average. Smooth brome and orchardgrass seed crops were the only kinds in this group for which production exceeded last year. The most notable decline, nearly two-fifths smaller, occurred for timothy seed. Production of 5 turf grass seeds--Merion and common Kentucky bluegrass, Chewings fescue, red fescue and bentgrass--totaled 26.7 million pounds in 1961, 50 percent below 1960 and 19 percent below average. The largest decline in this group was in common Kentucky bluegrass. Bentgrass and Merion Kentucky bluegrass were the two kinds in this group for which production exceeded last year.

This year's crop of timothy seed is estimated at 26,595,000 pounds, 42 percent below the 1960 crop of 45,845,000 pounds. Heavy showers near harvest time shattered out much seed in Missouri, Illinois, Indiana, Ohio and Pennsylvania. Low prices, large carryover, inclusion of timothy meadows in the Feed

Grain Program and the need for hay in some States were major factors contributing to the drastic reduction in acreage harvested for seed. The 1961 crop of redtop seed at 4,400,000 pounds is 12 percent below last year's harvest of 5,020,000 pounds. Larger yields per acre were more than offset by a reduction in the harvested acreage. Orchardgrass production at 14,145,000 pounds is 6 percent larger than a year earlier. Very good yields were obtained from a 3 percent larger acreage. Production of tall fescue seed this year totaled 34,100,000 pounds compared with 37,580,000 pounds a year ago. Although the 1961 outturn is 9 percent below a year earlier it is 13 percent above average. The 1961 crop of smooth bromegrass at 13,071,000 pounds is up 1 percent from 1960 but 3 percent below average. A sharp increase in Kansas more than offset declines in all other States. Yields were above a year earlier in all States except North Dakota and South Dakota. Need for hay in the Dakotas and adjoining areas was a major reason for the decline in harvested acreage. Crested wheatgrass seed production this year totaled 2,140,000 pounds, 16 percent below last year. Droughty conditions in the range areas of the Dakotas, Montana, Wyoming and Idaho reduced both yields and acreage for harvest.

This year's Merion Kentucky bluegrass seed production of 3,638,000 pounds is up 16 percent from last year's crop of 3,148,000 pounds. Larger crops were harvested in Washington, Oregon and California but a slight decrease occurred in Idaho. Red fescue seed production in 1961 at 4,153,000 pounds is 18 percent below last year but above average. The reduction was shared by each of the three producing States. Oregon's Chewings fescue seed crop is estimated at 7,500,000 pounds, 32 percent below the 1960 production but 26 percent above average. The preliminary estimate of the 1961 bentgrass seed crop in Oregon and Washington, at 5,895,000 pounds is about one-sixth larger than last year's crop, and one-third larger than average. The larger crop resulted from higher yields on more acres in Oregon where the bulk of the seed is produced.

Kentucky bluegrass: Except for the very small 1959 crop, the 1961 production of common or natural grown Kentucky bluegrass seed in the North Central States and the Kentucky District was the smallest since 1934. The current crop is estimated at 5,560,000 pounds of clean seed weighing 21-pounds per measured bushel and having a purity of approximately 85 percent. This compares with the last year's large crop of 29,400,000 pounds and the 1950-59 average of 18,223,000 pounds clean seed. Recovery of clean seed from cured seed was 37.4 percent this year, the lowest in 5 years, and much below the very high recovery of 48.7 percent last year. Production of cured seed, including cured-seed equivalent for seed combined from the swath, totaled 14,870,000 pounds (1,062,100 bushels) for this year and 60,320,000 pounds (4,308,600 bushels) last year. The sharp drop in production was chiefly the result of lack of moisture in the fall of 1960 and early spring of 1961 in the Dakotas; late spring frosts in the North Central States; and a short stripping season. Abnormally heavy growth of white clover and weeds in many pastures from which seed is usually stripped, and army worms in Missouri also contributed to the decline.

The estimates are based on reports from all known threshers and cleaners in Kentucky and the North Central States District. The estimates include common or natural grown Kentucky bluegrass seed harvested in Kentucky, Missouri,

Iowa, Illinois, Kansas, Nebraska, Minnesota, Wisconsin and the Dakotas. The estimates do not include seed harvested in the far Western States, nor do they include the production of Merion, Park, Newport, Delta, and other strains.

This year's production of bluegrass seed in the Kentucky District is estimated at 1,265,000 pounds clean seed, which was recovered from 3,920,000 pounds (280,000 bushels) cured seed. This is about two-thirds less than last year's large crop of 3,705,000 pounds clean seed and 10,350,000 pounds (739,300 bushels) cured and much below the average of 2,610,700 pounds clean seed and 7,903,000 pounds cured seed. Recovery of clean seed from cured seed was 32.3 percent this year, compared with 35.8 percent in 1960. Several factors account for the sharp decline in this District. Growth of bluegrass was retarded by cool weather which extended into late spring. Clover growth was unusually heavy in many bluegrass pastures. Also prospective income from seed was relatively small and not conducive to extensive use of fertilizer and chemical spray for weed control. Yields per acre were low and many growers harvested no seed this year.

The 1961 production of common or natural grown Kentucky bluegrass seed in the North Central District is estimated at 4,295,000 pounds of clean 21-pound seed, only 17 percent of last year's large total of 25,695,000 pounds clean seed and 28 percent of the 10-year average of 15,612,300 pounds. The approximated production of cured seed, including cured-seed equivalent for clean seed harvested with combines, is estimated at 10,950,000 pounds (782,100 bushels) this year, compared with 49,970,000 pounds (3,569,300 bushels) cured seed produced in 1960, and the average of 37,115,000 pounds (2,651,100 bushels). The recovery percentages of clean 21-pound seed from cured seed in the same comparison are 39.2 percent, 51.4 percent and 41.3 percent. Production was down from last year in each State. Droughty conditions prevailed in the Northwestern portion of the district from the fall of 1960 into mid-spring 1961. Stands of bluegrass were sparse, and rainfall in May and June came too late to stimulate growth of pastures in excess of grazing demands. High winds on June 28 shattered out much seed in South Dakota and brought the stripping season to an abrupt end. However, despite these difficulties, the State with 8,035,000 pounds cured seed, led all others in production for the second consecutive year.

Almost negligible quantities of common bluegrass seed were produced this year in Kansas and Minnesota, and no seed was reported for North Dakota and Wisconsin. Production in Nebraska was small. In Missouri and Iowa production of this seed was the smallest of record despite adequate moisture supplies. Many pastures in these two States were overgrown with white clover and bluegrass stands were thin. Blight and army worm damage also reduced the seed output.

Production of Sudangrass seed in 1961 of 69,874,000 pounds is 47 percent larger than in 1960 and 29 percent larger than average. The increase is attributed mainly to improved prices and a favorable growing season. Larger crops were harvested in all producing States except in Oklahoma where dry weather reduced yields in the Western part of the State. The U. S. average yield of 715 pounds per acre is the highest of record.

WINTER COVER CROP SEEDS: The total production in 1961 of lupine, crimson clover, Austrian winter peas, vetches and ryegrasses-- was 259.6 million pounds, 1 percent above last year but 10 percent below average.

Lupine seed production at 6,510,000 pounds, was one-fifth less than last year, and the smallest since 1943. Dry weather at planting time in the fall of 1960 and winterkill reduced the acreage harvested for seed. However, despite rains at harvest time which shattered out much seed, the yield per acre exceeded last year and the average. This year's crop of crimson clover totaled 13,061,000 pounds, 21 percent smaller than last year's crop. Production was down in all of the major producing States. A large crop of Austrian winter peas in Idaho this year accounts for most of the 59 percent increase over last year in the total U. S. production. The estimate of 70,625,000 pounds compares with 44,430,000 pounds produced in 1960 and the average of 62,236,000 pounds. Hairy vetch seed production at 19,135,000 pounds was down 34 percent from a year earlier. Declines of 77 percent, 42 percent, and 10 percent, respectively, occurred in Nebraska, Oklahoma and Texas, but Oregon's crop was 3 percent larger than last year. Common vetch, at 5,230,000 pounds this year represents a drop of 7 percent from 1960. Production of purple vetch in California was 8,700,000 pounds, more than two-fold the 1960 crop of 3,900,000 pounds but only 9 percent above average.

Oregon's 1961 production of all ryegrass seed, including both common and perennial ryegrass, is estimated at 136,320,000 pounds, 9 percent less than the 1960 crop of 149,960,000 pounds. The 1960 production included 37,110,000 pounds of perennial ryegrass seed approved by Oregon Certifying officials. This certified seed was harvested from 39,353 acres. The Certifying Agency approved, as of first of December, 40,293 acres of the 1961 perennial ryegrass acreage. Final certification data for the 1961 crop will be available at a later date.

Mustard seed: Production of mustard seed in 1961 is estimated at 17,178,000 pounds. Of this total, 17,130,000 pounds were produced in Montana and only 48,000 pounds in California. This is the smallest crop in 4 years. It is 29 percent under last year's revised estimate of 24,236,000 pounds, and 9 percent below the 10-year average of 18,873,400 pounds. Droughty conditions during the growing season caused an unusually large abandonment in both States. Greatest abandonment losses were in yellow mustard. A total of 92,500 acres were planted this year, and only 54,300 acres or 59 percent of the plantings were harvested for seed. Comparisons with the much more favorable 1960 growing season are 100,500 acres planted, and 88,800 acres harvested, representing 88 percent of the total plantings. Production of brown and yellow mustard was 57 percent and 41 percent, respectively, smaller than last year, but the Oriental crop was 51 percent larger. Estimates by species, this year and last year in order, are as follows: yellow (*Brassica hirta*), 7,000,000 and 11,949,000 pounds; brown (*Brassica juncea*), 3,378,000 and 7,772,000 pounds; and Oriental (*Brassica juncea*--yellow seeded form of brown mustard), 6,800,000 and 4,515,000 pounds.

* * * * *

ALFALFA SEED

State	Acreage harvested			Yield per acre			Production-clean seed		
	Average	1960	1961	Average	1960	1961	Average	1960	1961
	1950-59			1950-59			1950-59		
	Acres	Acres	Acres	Pounds	Pounds	Pounds	1,000 pounds	1,000 pounds	1,000 pounds
Ohio	6,500	1,400	1,000	49	45	50	314	63	50
Mich.	19,400	7,000	4,000	48	55	52	906	385	208
Wis.	12,000	3,000	2,000	57	55	76	683	165	152
Minn.	25,200	14,000	13,000	50	85	100	1,231	1,190	1,300
N.Dak.	59,400	44,000	25,000	41	60	50	2,500	2,640	1,250
S.Dak.	150,900	101,000	76,000	49	70	60	7,730	7,070	4,560
Nebr.	101,200	65,000	57,000	78	85	75	8,330	5,525	4,275
Kans.	108,400	90,000	67,000	91	125	70	10,990	11,250	4,690
Okla.	73,600	35,000	41,000	114	140	110	8,092	4,900	4,510
Texas	21,700	6,000	5,400	138	160	160	2,960	960	864
Mont.	73,600	53,000	40,000	88	100	80	6,440	5,300	3,200
Idaho	34,200	30,000	35,000	184	400	370	6,272	12,000	12,950
Wyo.	21,750	9,000	6,500	106	80	85	2,327	720	552
Colo.	22,700	12,000	11,000	132	140	130	2,936	1,680	1,430
N.Mex.	6,370	3,000	5,500	278	235	275	1,762	705	1,512
Ariz.	32,150	20,000	24,000	214	190	175	6,954	3,800	4,200
Utah	55,000	45,000	42,000	195	185	190	10,650	8,325	7,980
Nev.	2/ 1,300	1,000	2,800	2/310	300	350	2/ 403	300	980
Wash.	23,600	19,000	22,000	492	450	470	11,698	8,550	10,340
Oreg.	7,950	11,000	12,500	325	540	540	2,570	5,940	6,750
Calif.	139,000	141,000	124,000	406	390	360	56,942	54,990	44,640
U.S.	997,860	710,400	616,700	154	192	189	152,441	136,458	116,393

RED CLOVER SEED

State	Acreage harvested			Yield per acre			Production-clean seed		
	Average	1960	1961	Average	1960	1961	Average	1960	1961
	1950-59			1950-59			1950-59		
	Acres	Acres	Acres	Pounds	Pounds	Pounds	1,000 pounds	1,000 pounds	1,000 pounds
N.Y.	12,500	12,000	12,000	74	90	90	962	1,080	1,080
Pa.	30,100	15,000	29,000	56	63	70	1,725	945	2,030
Ohio	186,600	117,000	140,000	54	61	57	10,119	7,137	7,980
Ind.	149,600	102,000	110,000	52	65	65	7,830	6,630	7,150
Ill.	216,200	197,000	150,000	52	80	60	11,176	15,760	9,000
Mich.	147,500	70,000	53,000	61	64	65	9,002	4,480	3,445
Wis.	94,000	55,000	24,000	59	72	71	5,536	3,960	1,704
Minn.	75,500	55,000	31,000	70	110	100	5,173	6,050	3,100
Iowa	175,100	90,000	40,000	47	49	45	8,274	4,410	1,800
Mo.	117,700	142,000	136,000	67	98	85	7,985	13,916	11,560
Nebr.	29,350	22,000	14,000	44	60	60	1,256	1,320	840
Kans.	29,750	40,000	26,000	54	90	78	1,552	3,600	2,028
Md.	11,700	10,000	12,000	54	65	75	645	650	900
Va.	10,000	13,000	13,000	55	70	70	561	910	910
Ky.	17,300	16,000	18,000	68	80	85	1,211	1,280	1,530
Mont.	3,200	1,200	1,200	189	220	220	578	264	264
Idaho	30,650	29,000	17,000	308	300	350	9,100	8,700	5,950
Wash.	3,720	3,600	3,600	185	190	210	667	684	756
Oreg.	17,000	23,000	18,000	182	200	210	3,064	4,600	3,780
Calif.	2,338	4,300	2,400	297	490	470	803	2,107	1,128
U.S.	1,359,808	1,017,100	850,200	66	87	79	87,217	88,483	66,935

See Page 30 for footnotes.

ALFALFA SEED

State	Season average price per 100 pounds received by farmers		Value of production	
	1960	1961 1/	1960	1961 1/
	Dollars	Dollars	dollars	dollars
Ohio	22.90	32.00	14	16
Mich.	21.90	28.50	84	59
Wis.	25.00	30.50	41	46
Minn.	22.10	32.00	263	416
N.Dak.	20.10	28.00	531	350
S.Dak.	21.00	29.00	1,485	1,322
Nebr.	21.80	29.00	1,204	1,240
Kans.	21.90	26.00	2,464	1,219
Okla.	23.20	26.00	1,137	1,173
Texas	21.80	26.00	209	225
Mont.	22.70	37.50	1,203	1,200
Idaho	27.80	38.00	3,336	4,921
Wyo.	26.40	36.00	190	199
Colo.	21.60	29.00	363	415
N.Mex.	32.90	32.50	232	491
Ariz.	25.10	26.50	954	1,113
Utah	24.30	37.00	2,023	2,953
Nev.	32.80	41.00	98	402
Wash.	26.40	37.50	2,257	3,878
Oreg.	30.00	36.00	1,782	2,430
Calif.	31.70	35.50	17,432	15,847
U. S.	27.50	34.40	37,302	39,915

RED CLOVER SEED

State	Season average price per 100 pounds received by farmers		Value of production	
	1960	1961 1/	1960	1961 1/
	Dollars	Dollars	dollars	dollars
N.Y.	20.80	28.50	225	308
Pa.	22.20	24.50	210	497
Ohio	19.60	25.00	1,399	1,995
Ind.	21.00	26.00	1,392	1,859
Ill.	20.80	26.50	3,278	2,385
Mich.	18.40	26.00	824	896
Wis.	20.20	28.00	800	477
Minn.	19.90	29.00	1,204	899
Iowa	21.10	29.00	931	522
Mo.	19.70	25.50	2,741	2,948
Nebr.	21.90	25.00	289	210
Kans.	20.40	25.50	734	517
Md.	27.10	31.00	176	279
Va.	27.90	31.00	254	282
Ky.	23.60	27.00	302	413
Mont.	24.00	31.00	63	82
Idaho	23.60	33.50	2,053	1,993
Wash.	24.80	36.00	170	272
Oreg.	22.00	30.50	1,012	1,153
Calif.	26.70	35.00	563	395
U. S.	21.20	27.90	18,620	18,382

See page 30. for footnotes

ALSIKE CLOVER SEED

State	Acreage harvested			Yield per acre			Production-clean seed		
	Average			Average			Average		
	1950-59	1960	1961	1950-59	1960	1961	1950-59	1960	1961
							1,000	1,000	1,000
	Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds	pounds
Ohio	6,620	1,800	2,100	63	70	55	452	126	116
Ill.	2,510	1,000	1,000	82	90	75	200	90	75
Wis.	5,200	700	---	114	100	---	599	70	---
Minn.	15,800	10,000	4,000	126	140	100	2,007	1,400	400
Idaho	12,400	5,000	4,000	225	320	275	2,699	1,600	1,100
Oreg.	8,000	3,000	2,200	390	370	390	3,162	1,110	858
Calif.	3,690	700	200	410	480	400	1,528	336	80
U. S.	58,220	22,200	13,500	195	213	195	10,903	4,732	2,629

SWEETCLOVER SEED

State	Acreage harvested			Yield per acre			Production-clean seed		
	Average			Average			Average		
	1950-59	1960	1961	1950-59	1960	1961	1950-59	1960	1961
							1,000	1,000	1,000
	Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds	pounds
Ohio	12,300	13,000	9,000	176	240	240	2,184	3,120	2,160
Ind.	3,210	1,600	---	122	105	---	384	168	---
Ill.	11,900	6,000	5,000	115	140	120	1,349	840	600
Mich.	6,100	5,000	3,000	150	160	150	906	800	450
Minn.	46,100	17,500	10,500	200	230	245	9,083	4,025	2,572
Iowa	5,300	1,700	---	136	160	---	722	272	---
Mo.	4,950	2,800	2,500	142	170	170	666	476	425
N. Dak.	10,750	4,000	4,000	159	250	200	1,692	1,000	800
S. Dak.	21,800	15,000	13,000	174	220	240	3,760	3,300	3,120
Nebr.	26,200	11,000	10,000	178	230	200	4,627	2,530	2,000
Kans.	29,900	24,000	11,000	135	175	140	3,832	4,200	1,540
Okla.	15,650	8,000	6,000	105	125	120	1,640	1,000	720
Texas	45,600	18,000	10,000	186	300	250	8,204	5,400	2,500
Wyo.	3,260	900	---	260	270	---	779	243	---
Colo.	6,370	2,000	1,500	230	160	160	1,471	320	240
U.S.	255,920	130,500	85,500	170	212	200	42,594	27,694	17,127

See Page 30 for footnotes.

ALSIKE CLOVER SEED

State	Season average price per 100 pounds :		Value of production	
	received by farmers :			
	1960	1961 1/	1960	1961 1/
	Dollars	Dollars	1,000 dollars	1,000 dollars
Ohio	16.90	18.50	21	21
Ill.	19.80	21.50	18	16
Wis.	17.60	---	12	---
Minn.	15.10	15.00	211	60
Idaho	17.20	16.50	275	182
Oreg.	16.00	15.50	178	133
Calif.	16.30	15.50	55	12
U. S.	16.30	16.10	770	424

SWEETCLOVER SEED

State	Season average price per 100 pounds :		Value of production	
	received by farmers :			
	1960	1961 1/	1960	1961 1/
	Dollars	Dollars	1,000 dollars	1,000 dollars
Ohio	4.60	8.70	144	188
Ind.	8.30	---	14	---
Ill.	9.70	9.70	81	58
Mich.	6.10	8.40	49	38
Minn.	5.60	10.80	225	278
Iowa	5.70	---	16	---
Mo.	7.80	8.80	37	37
N.Dak.	5.60	9.60	56	77
S.Dak.	5.00	9.20	165	287
Nebr.	5.80	9.30	147	186
Kans.	5.80	8.00	244	123
Okla.	8.40	9.80	84	71
Texas	9.10	12.00	491	300
Wyo.	7.10	---	17	---
Colo.	8.40	9.40	27	23
U.S.	6.39	9.74	1,797	1,666

See Page 30 for footnotes.

WHITE CLOVER SEED

State	Acreage harvested			Yield per acre			Production-clean seed		
	Average :	1960 :	1961 :	Average :	1960 :	1961 :	Average :	1960 :	1961 :
	1950-59 :	1960 :	1961 :	1950-59 :	1960 :	1961 :	1950-59 :	1960 :	1961 :
							1,000	1,000	1,000
	Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds	pounds
Wis.	1,240	150	---	160	150	---	213	22	---
Ala.	4,440	900	800	65	60	55	306	54	44
Miss.	3,680	1,100	700	61	40	35	264	44	24
Ia.	11,290	13,000	11,000	65	110	80	739	1,430	880
Idaho	10,620	14,000	18,000	244	160	255	2,570	2,240	4,590
Oreg.	1,360	1,400	1,500	156	160	230	221	224	345
U.S.	35,240	30,550	32,000	132	131	184	4,472	4,014	5,883

LADINO CLOVER SEED

State	Acreage harvested			Yield per acre			Production-clean seed		
	Average :	1960 :	1961 :	Average :	1960 :	1961 :	Average :	1960 :	1961 :
	1950-59 :	1960 :	1961 :	1950-59 :	1960 :	1961 :	1950-59 :	1960 :	1961 :
							1,000	1,000	1,000
	Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds	pounds
Oreg.	8,650	1,000	800	156	150	150	1,349	150	120
Calif.	23,700	21,000	19,000	236	205	230	5,018	4,305	4,370
U.S.	33,850	22,000	19,800	225	202	227	6,545	4,455	4,490

LESPEDeza SEED

State	Acreage harvested			Yield per acre			Production-clean seed		
	Average :	1960 :	1961 :	Average :	1960 :	1961 :	Average :	1960 :	1961 :
	1950-59 :	1960 :	1961 :	1950-59 :	1960 :	1961 :	1950-59 :	1960 :	1961 :
							1,000	1,000	1,000
	Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds	pounds
Ind.	25,300	22,000	26,000	200	210	240	5,184	4,620	6,240
Ill.	23,000	15,000	21,000	178	150	225	4,154	2,250	4,725
Mo.	175,800	70,000	70,000	191	170	200	34,930	11,900	14,000
Kans.	17,450	10,000	12,000	192	200	240	3,546	2,000	2,880
Md.	17,850	11,000	11,000	236	270	220	4,305	2,970	2,420
Va.	19,800	8,000	12,000	166	150	175	3,404	1,200	2,100
N.C.	129,200	70,000	84,000	182	170	135	23,611	11,900	11,340
S.C.	27,200	13,000	16,000	168	220	240	4,636	2,860	3,840
Ga.	29,450	15,000	18,000	172	190	200	5,134	2,850	3,600
Ky.	60,700	51,000	57,000	211	220	240	13,333	11,220	13,680
Tenn.	43,200	40,000	45,000	190	230	200	8,614	9,200	9,000
Ala.	12,850	7,000	5,500	157	200	220	1,994	1,400	1,210
Miss.	9,400	5,000	4,500	146	170	200	1,370	850	900
Ark.	37,100	17,000	15,000	282	375	315	10,383	6,375	4,725
Okla.	4,500	6,000	7,000	140	190	170	719	1,140	1,190
U.S.	633,240	360,000	404,000	197	202	203	125,363	72,735	81,850

See Page 30 for footnotes.

WHITE CLOVER SEED

State	Season average price per 100 pounds :		Value of production	
	received by farmers :			
	1960	1961 1/	1960	1961 1/
			1,000	1,000
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Wis.	60.00	---	13	---
Ala.	70.00	70.00	38	31
Miss.	72.00	67.00	32	16
La.	74.00	65.00	1,058	572
Idaho	59.50	42.00	1,333	1,928
Oreg.	56.00	42.50	125	147
U.S.	64.50	45.50	2,599	2,694

LADINO CLOVER SEED

State	Season average price per 100 pounds :		Value of production	
	received by farmers :			
	1960	1961 1/	1960	1961 1/
			1,000	1,000
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Oreg.	64.00	59.00	96	71
Calif.	60.00	58.00	2,583	2,535
U.S.	60.10	58.00	2,679	2,606

LESPEDeza SEED

State	Season average price per 100 pounds :		Value of production	
	received by farmers :			
	1960	1961 1/	1960	1961 1/
			1,000	1,000
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Ind.	9.80	11.50	453	718
Ill.	9.60	11.50	216	543
Mo.	10.70	11.50	1,273	1,610
Kans.	8.20	10.00	164	288
Md.	9.30	12.00	276	290
Va.	17.50	17.50	210	368
N.C.	14.70	16.00	1,749	1,814
S.C.	14.90	15.50	426	595
Ga.	15.40	17.00	439	612
Ky.	13.20	12.00	1,481	1,642
Tenn.	13.20	15.50	1,214	1,395
Ala.	13.80	17.00	193	206
Miss.	20.00	20.50	170	184
Ark.	15.10	17.00	963	803
Okla.	11.00	15.00	125	178
U.S.	12.70	13.60	9,352	11,246

TIMOTHY SEED

State	Acreage harvested			Yield per acre			Production - clean seed		
	Average:	1960	1961	Average:	1960	1961	Average:	1960	1961
	1950-59:			1950-59:			1950-59:		
							1,000	1,000	1,000
	<u>Acres</u>	<u>Acres</u>	<u>Acres</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>
Pa.	7,630	7,000	6,500	112	125	110	870	875	715
Ohio	61,400	49,000	27,000	140	175	160	8,758	8,575	4,320
Ind.	14,300	14,000	8,000	119	140	115	1,735	1,960	920
Ill.	15,100	13,000	9,000	122	140	125	1,856	1,820	1,125
Wis.	11,150	8,000	5,500	118	130	110	1,338	1,040	605
Minn.	21,100	38,000	28,000	152	155	130	3,284	5,890	3,640
Iowa	56,700	49,000	24,000	154	165	155	8,764	8,085	3,720
Mo.	90,900	110,000	77,000	144	160	150	13,266	17,600	11,500
U.S.	278,280	288,000	185,000	142	159	144	39,870	45,845	26,595

ORCHARDGRASS SEED

State	Acreage harvested			Yield per acre			Production - clean seed		
	Average:	1960	1961	Average:	1960	1961	Average:	1960	1961
	1950-59:			1950-59:			1950-59:		
							1,000	1,000	1,000
	<u>Acres</u>	<u>Acres</u>	<u>Acres</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>
Mo.	13,600	13,000	15,000	174	140	170	2,412	1,820	2,550
Va.	25,600	23,000	25,000	240	300	300	6,156	6,900	7,500
Ky.	21,200	23,000	21,000	170	200	195	3,648	4,600	4,095
U.S.	60,400	59,000	61,000	202	226	232	12,216	13,320	14,145

REDTOP SEED

State	Acreage harvested			Yield per acre			Production - clean seed		
	Average:	1960	1961	Average:	1960	1961	Average:	1960	1961
	1950-59:			1950-59:			1950-59:		
							1,000	1,000	1,000
	<u>Acres</u>	<u>Acres</u>	<u>Acres</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>
Ill.	38,500	20,000	15,000	66	80	80	2,490	1,600	1,200
Mo.	34,300	38,000	32,000	76	90	100	2,633	3,420	3,200
U.S.	72,800	58,000	47,000	71	87	94	5,123	5,020	4,400

See Page 30 for footnotes.

TIMOTHY SEED

State	: Season average price per 100 pounds :		Value of production	
	: received by farmers :			
	: 1960 :	: 1961 1/ :	: 1960 :	: 1961 1/ :
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Pa.	8.00	7.70	70	55
Ohio	5.60	7.20	480	311
Ind.	7.00	8.00	137	74
Ill.	7.50	7.60	136	86
Wis.	6.80	8.20	71	50
Minn.	5.50	7.60	324	277
Iowa	5.40	7.00	437	260
Mo.	5.50	7.30	968	843
U.S.	5.70	7.35	2,623	1,956

ORCHARDGRASS SEED

State	: Season average price per 100 pounds :		Value of production	
	: received by farmers :			
	: 1960 :	: 1961 1/ :	: 1960 :	: 1961 1/ :
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Mo.	16.00	18.00	291	459
Va.	15.50	17.00	1,070	1,275
Ky.	15.50	20.00	713	819
U.S.	15.60	18.00	2,074	2,553

REDTOP SEED

State	: Season average price per 100 pounds :		Value of production	
	: received by farmers :			
	: 1960 :	: 1961 1/ :	: 1960 :	: 1961 1/ :
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Ill.	15.00	17.60	240	211
Mo.	16.00	17.00	547	544
U.S.	15.70	17.20	787	755

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KENTUCKY BLUEGRASS SEED

State	Production - cured seed			
	Average	1960	1961	
	1950-59			
	1,000	1,000	1,000	
	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>	
Wis.	615	180	0	
Minn.	3,288	150	40	
Iowa	9,213	5,540	1,720	
Mo.	6,925	4,550	775	
N.Dak.	3,142	2,105	0	
S.Dak.	8,693	35,435	8,035	
Nebr.	4,095	1,600	305	
Kans.	732	410	40	
Other States	412	0	35	
Total No. Cent.				
District	37,115	49,970	10,950	
Ky. District	7,903	10,350	3,920	
U.S.	45,018	60,320	14,870	

KENTUCKY BLUEGRASS SEED

State	Production - clean seed			
	Average	1960	1961	
	1950-59			
	1,000	1,000	1,000	
	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>	
U. S.	18,223	29,400	5,560	

MERION KENTUCKY BLUEGRASS SEED

State	Acreage harvested			Yield per acre			Production - clean seed		
	Average:	1960	1961	Average:	1960	1961	Average:	1960	1961
	1950-59:			1950-59:			1950-59:		
							1,000	1,000	1,000
	<u>Acres</u>	<u>Acres</u>	<u>Acres</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>
Idaho	2/ 729	1,600	1,900	2/ 239	295	245	2/ 169	472	466
Wash.	2/2,702	5,600	6,000	2/ 179	205	235	2/ 491	1,148	1,410
Oreg.	2/3,688	7,500	8,000	2/ 190	180	190	2/ 706	1,350	1,520
Calif.	2/ 502	370	510	2/ 334	480	475	2/ 132	178	242
U.S.	2/7,370	15,070	16,410	2/ 192	209	222	2/1,433	3,148	3,638

See Page 30 for footnotes.

KENTUCKY BLUEGRASS SEED

State	Season average price per 100 pounds :		Value of production	
	cured seed received by farmers :			
	1960	1961 1/	1960	1961 1/
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Wis.	5.30	---	9.5	---
Minn.	5.30	6.30	8.0	2.4
Iowa	7.60	7.60	421.0	130.7
Mo.	5.70	7.60	259.4	58.9
N.Dak.	4.90	---	103.1	---
S.Dak.	5.10	6.50	1,807.2	522.3
Nebr.	5.40	6.40	86.4	19.5
Kans.	5.50	6.20	22.6	2.5
Other States	---	7.00	---	2.4
Total N.Cent. District	5.44	6.75	2,717.2	738.7
Kentucky District	6.90	7.45	714.2	292.0
U. S.	5.69	6.93	3,431.4	1,030.7

MERION KENTUCKY BLUEGRASS SEED

	Season average price per 100 pounds :		Value of production	
	received by farmers :			
	1960	1961 1/	1960	1961 1/
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Idaho	85.00	82.00	401	382
Wash.	93.00	77.50	1,068	1,093
Oreg.	86.00	76.50	1,161	1,163
Calif.	100.00	85.00	178	206
U.S.	89.20	78.20	2,808	2,844

See Page 30 for footnotes.

CHEWINGS FESCUE SEED

State	Acreage harvested			Yield per acre			Production - clean seed		
	Average:	1960	1961	Average:	1960	1961	Average:	1960	1961
	1950-59:			1950-59:			1950-59:		
							1,000	1,000	1,000
	<u>Acres</u>	<u>Acres</u>	<u>Acres</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>
Oreg.	18,450	25,000	25,000	310	440	300	5,910	11,000	7,500

RED FESCUE SEED

State	Acreage harvested			Yield per acre			Production - clean seed		
	Average:	1960	1961	Average:	1960	1961	Average:	1960	1961
	1950-59:			1950-59:			1950-59:		
							1,000	1,000	1,000
	<u>Acres</u>	<u>Acres</u>	<u>Acres</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>
Idaho	540	700	500	313	250	240	150	175	120
Wash.	1,200	1,700	1,100	392	390	425	482	663	468
Oreg.	6,350	12,000	11,500	334	350	310	2,192	4,200	3,565
U.S.	8,090	14,400	13,100	339	350	317	2,824	5,038	4,153

TALL FESCUE (ALTA & KY. 31) SEED

State	Acreage harvested			Yield per acre			Production - clean seed		
	Average:	1960	1961	Average:	1960	1961	Average:	1960	1961
	1950-59:			1950-59:			1950-59:		
							1,000	1,000	1,000
	<u>Acres</u>	<u>Acres</u>	<u>Acres</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>
Mo.	2/9,589	29,000	25,000	2/196	200	225	2/1,892	5,800	5,625
S.C.	10,050	9,000	7,000	167	180	175	1,678	1,620	1,225
Ga.	9,350	7,000	7,000	182	180	210	1,771	1,260	1,470
Ky.	51,100	70,000	60,000	234	230	220	11,925	16,100	13,200
Tenn.	19,950	34,000	29,000	191	190	210	3,848	6,460	6,090
Ala.	7,250	6,000	5,000	210	215	210	1,527	1,290	1,050
Miss.	4,270	2,400	2,000	144	140	160	629	336	320
Ark.	4,200	3,500	5,000	162	190	175	703	665	875
Okla.	2,690	1,200	1,400	145	190	180	388	228	252
Idaho	2,320	600	900	291	200	270	702	120	243
Wash.	830	500	---	285	210	---	261	105	---
Oreg.	14,340	6,200	7,500	388	580	500	4,899	3,596	3,750
U.S.	135,650	169,400	149,800	223	222	228	30,174	37,580	34,100

BENTGRASS SEED

State	Acreage harvested			Yield per acre			Production - clean seed		
	Average:	1960	1961	Average:	1960	1961	Average:	1960	1961
	1950-59:			1950-59:			1950-59:		
							1,000	1,000	1,000
	<u>Acres</u>	<u>Acres</u>	<u>Acres</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>
Wash.	2,030	500	500	87	64	60	174	32	30
Oreg.	19,300	22,000	23,000	210	230	255	4,284	5,060	5,865
U.S.	21,330	22,500	23,500	199	226	251	4,459	5,092	5,895

See Page 30 for footnotes.

CHEWINGS FESCUE SEED

State	Season average price per 100 pounds :		Value of production	
	received by farmers :			
	1960	1961 1/	1960	1961 1/
			1,000	1,000
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Oreg.	16.20	16.00	1,782	1,200

RED FESCUE SEED

State	Season average price per 100 pounds :		Value of production	
	received by farmers :			
	1960	1961 1/	1960	1961 1/
			1,000	1,000
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Idaho	18.00	15.00	32	18
Wash.	17.00	16.00	113	75
Oreg.	17.00	16.00	714	570
U.S.	17.00	16.00	859	663

TALL FESCUE (ALTA & KY. 31) SEED

State	Season average price per 100 pounds :		Value of production	
	received by farmers :			
	1960	1961 1/	1960	1961 1/
			1,000	1,000
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Mo.	9.00	8.50	522	478
S.C.	14.50	13.00	235	159
Ga.	15.50	13.00	195	191
Ky.	11.00	10.00	1,771	1,320
Tenn.	11.00	11.00	711	670
Ala.	13.00	14.00	168	147
Miss.	12.50	12.50	42	40
Ark.	12.00	11.00	80	96
Okla.	10.00	10.50	23	26
Idaho	12.00	11.50	14	28
Wash.	14.50	---	15	---
Oreg.	12.50	12.50	450	469
U.S.	11.20	10.60	4,226	3,624

BENTGRASS SEED

State	Season average price per 100 pounds :		Value of production	
	received by farmers :			
	1960	1961 1/	1960	1961 1/
			1,000	1,000
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Wash.	53.00	50.00	17	15
Oreg.	28.00	25.00	1,417	1,466
U.S.	28.20	25.10	1,434	1,481

SMOOTH BROMEGRASS SEED

State	Acreage harvested			Yield per acre			Production-clean seed		
	Average:	1960	1961	Average:	1960	1961	Average:	1960	1961
	1950-59:			1950-59:			1950-59:		
							1,000	1,000	1,000
	Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds	pounds
Iowa	13,500	11,000	6,000	168	175	205	2,451	1,925	1,230
Mo.	2/ 2,800	5,500	3,300	2/148	140	170	2/ 432	770	561
N.Dak.	4,970	3,000	1,000	126	90	80	703	270	80
S.Dak.	9,600	18,000	10,000	119	175	145	1,217	3,150	1,450
Nebr.	23,200	13,000	12,000	156	190	200	4,102	2,470	2,400
Kans.	23,100	24,000	30,000	172	180	245	4,367	4,320	7,350
U.S.	77,925	74,500	62,300	159	173	210	13,511	12,905	13,071

CRESTED WHEATGRASS SEED

State	Acreage harvested			Yield per acre			Production-clean seed		
	Average:	1960	1961	Average:	1960	1961	Average:	1960	1961
	1950-59:			1950-59:			1950-59:		
							1,000	1,000	1,000
	Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds	pounds
N.Dak.	2,800	5,500	4,000	103	100	45	276	550	180
S.Dak.	7,050	10,000	3,000	68	80	60	559	800	180
Nebr.	6,680	4,000	8,000	92	75	75	694	300	600
Mont.	10,850	9,000	5,000	68	75	60	809	675	300
Idaho	5,800	2,500	2,000	92	55	40	515	138	80
Wyo.	3,770	1,200	8,000	87	70	100	349	84	800
U.S.	38,720	32,200	30,000	84	79	71	3,360	2,547	2,140

SUDANGRASS SEED

State	Acreage harvested			Yield per acre			Production-clean seed		
	Average:	1960	1961	Average:	1960	1961	Average:	1960	1961
	1950-59:			1950-59:			1950-59:		
							1,000	1,000	1,000
	Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds	pounds
Nebr.	5,650	2,300	---	290	270	---	1,532	621	---
Kans.	4,900	4,000	5,500	284	370	340	1,409	1,480	1,870
Okla.	3,000	2,200	2,200	285	475	320	917	1,045	704
Texas	27,400	26,000	28,000	546	575	850	15,180	14,950	23,800
Colo.	38,700	26,000	36,000	277	350	500	11,899	9,100	18,000
N.Mex.	11,550	7,000	8,000	378	500	600	4,334	3,500	4,800
Calif.	15,250	11,000	18,000	1,164	1,530	1,150	17,794	16,830	20,700
U.S.	108,890	78,500	97,700	488	605	715	54,038	47,526	69,874

See Page 30 for footnotes.

SMOOTH-BROMEGRASS SEED

State	: Season average price per 100 pounds :		Value of production	
	: received by farmers :			
	: 1960 :	: 1961 1/ :	: 1960 :	: 1961 1/ :
			1,000	1,000
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Iowa	: 9.00	: 9.90	173	122
Mo.	: 10.00	: 10.00	77	56
N.Dak.	: 9.00	: 10.00	24	8
S.Dak.	: 9.00	: 10.00	284	145
Nebr.	: 9.50	: 10.00	235	240
Kans.	: 10.00	: 9.00	432	662
U.S.	: 9.50	: 9.42	1,225	1,233

CRESTED WHEATGRASS SEED

State	: Season average price per 100 pounds :		Value of production	
	: received by farmers :			
	: 1960 :	: 1961 1/ :	: 1960 :	: 1961 1/ :
			1,000	1,000
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
N.Dak.	: 14.50	: 18.00	80	32
S.Dak.	: 13.50	: 14.00	108	25
Nebr.	: 17.50	: 17.50	52	105
Mont.	: 19.00	: 20.50	128	62
Idaho	: 25.00	: 27.50	34	22
Wyo.	: 16.00	: 16.00	13	128
U.S.	: 16.30	: 17.50	415	374

SUDANGRASS SEED

State	: Season average price per 100 pounds :		Value of production	
	: received by farmers :			
	: 1960 :	: 1961 1/ :	: 1960 :	: 1961 1/ :
			1,000	1,000
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Nebr.	: 4.30	: ---	27	---
Kans.	: 4.50	: 5.50	67	103
Okla.	: 4.70	: 6.00	49	42
Texas	: 4.70	: 5.50	703	1,309
Colo.	: 5.10	: 4.50	464	810
N.Mex.	: 6.90	: 6.00	242	288
Calif.	: 6.60	: 5.75	1,111	1,190
U.S.	: 5.61	: 5.36	2,663	3,742

See Page 30 for footnotes.

AUSTRIAN WINTER PEAS

State	Acreage harvested			Yield per acre			Production - clean seed		
	Average:	1960	1961	Average:	1960	1961	Average:	1960	1961
	1950-59:			1950-59:			1950-59:		
	Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds	pounds
Idaho	21,600	32,000	44,000	1,388	1,125	1,400	32,203	36,000	61,600
Wash.	5,220	600	---	1,060	850	---	6,902	510	---
Oreg.	22,100	8,000	9,500	945	990	950	22,320	7,920	9,025
U.S.	50,020	40,600	53,500	1,173	1,094	1,320	62,236	44,430	70,625

CRIMSON-CLOVER SEED

State	Acreage harvested			Yield per acre			Production - clean seed		
	Average:	1960	1961	Average:	1960	1961	Average:	1960	1961
	1950-59:			1950-59:			1950-59:		
	Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds	pounds
S.C.	4,720	1,700	1,800	133	140	170	642	238	306
Ga.	27,000	15,000	12,000	132	150	155	3,816	2,250	1,860
Tenn.	34,900	13,000	12,000	137	200	150	4,730	2,600	1,800
Ala.	27,800	16,000	13,000	132	150	150	3,850	2,400	1,950
Miss.	6,500	3,500	3,500	132	130	120	892	455	420
Ark.	4,560	3,000	2,500	202	190	210	937	570	525
Oreg.	7,290	21,000	15,500	361	380	400	2,714	7,980	6,200
U.S.	116,688	73,200	60,300	157	225	217	18,173	16,493	13,061

LUPINE SEED

State	Acreage harvested			Yield per acre			Production - clean seed		
	Average:	1960	1961	Average:	1960	1961	Average:	1960	1961
	1950-59:			1950-59:			1950-59:		
	Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds	pounds
S.C.	8,300	2,500	2,400	866	750	900	7,200	1,875	2,160
Ga.	27,900	5,000	2,500	774	850	900	23,224	4,250	2,250
Fla.	8,550	2,800	2,800	439	600	750	4,136	1,680	2,100
Ala.	4,780	300	---	684	700	---	3,865	210	---
U.S.	49,530	10,600	7,700	710	756	845	38,424	8,015	6,510

See Page 30 for footnotes.

AUSTRIAN WINTER PEAS

State	: Season average price per 100 pounds :		Value of production	
	: received by farmers :			
	: 1960 :	: 1961 1/ :	: 1960 :	: 1961 1/ :
			1,000	1,000
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Idaho	3.25	2.80	1,170	1,725
Wash.	3.10	---	16	---
Oreg.	3.10	2.85	246	257
U.S.	3.22	2.81	1,432	1,982

CRIMSON-CLOVER SEED

State	: Season average price per 100 pounds :		Value of production	
	: received by farmers :			
	: 1960 :	: 1961 1/ :	: 1960 :	: 1961 1/ :
			1,000	1,000
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
S.C.	20.00	19.00	48	58
Ga.	18.00	18.50	405	344
Tenn.	16.50	17.00	429	306
Ala.	20.00	21.00	480	410
Miss.	19.50	21.00	89	88
Ark.	16.00	19.00	91	100
Oreg.	15.50	17.50	1,237	1,085
U.S.	16.70	18.10	2,779	2,391

LUPINE SEED

State	: Season average price per 100 pounds :		Value of production	
	: received by farmers :			
	: 1960 :	: 1961 1/ :	: 1960 :	: 1961 1/ :
			1,000	1,000
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
S.C.	3.20	3.25	60	70
Ga.	4.10	4.70	174	106
Fla.	3.60	4.30	60	90
Ala.	4.00	---	8	---
U.S.	3.79	4.11	302	266

See Page 30 for footnotes.

HAIRY VETCH

State	Acreage harvested			Yield per acre			Production - clean seed		
	Average:	1960	1961	Average:	1960	1961	Average:	1960	1961
	1950-59:			1950-59:			1950-59:		
							1,000	1,000	1,000
	<u>Acres</u>	<u>Acres</u>	<u>Acres</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>
Nebr.	2/24,500	36,000	29,000	2/ 92	250	70	2/2,270	9,000	2,030
Ark.	20,600	4,000	4,500	178	225	200	3,792	900	900
Okla.	75,600	38,000	24,000	118	130	120	9,490	4,940	2,880
Texas	47,600	33,000	32,000	142	280	260	6,814	9,240	8,320
Oreg.	42,400	15,000	13,000	358	325	385	14,626	4,875	5,005
U.S.	192,270	126,000	102,500	186	230	187	35,518	28,955	19,135

COMMON VETCH

State	Acreage harvested			Yield per acre			Production - clean seed		
	Average:	1960	1961	Average:	1960	1961	Average:	1960	1961
	1950-59:			1950-59:			1950-59:		
							1,000	1,000	1,000
	<u>Acres</u>	<u>Acres</u>	<u>Acres</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>
Oreg.	23,600	9,000	8,500	496	600	580	12,141	5,400	4,930
Calif.	1,200	1,000	1,000	382	220	300	423	220	300
U.S.	25,130	10,000	9,500	490	562	551	12,698	5,620	5,230

PURPLE VETCH

State	Acreage harvested			Yield per acre			Production - clean seed		
	Average:	1960	1961	Average:	1960	1961	Average:	1960	1961
	1950-59:			1950-59:			1950-59:		
							1,000	1,000	1,000
	<u>Acres</u>	<u>Acres</u>	<u>Acres</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>
Calif.	26,600	26,000	30,000	330	150	290	7,968	3,900	8,700

ALL RYEGRASS

State	Acreage harvested			Yield per acre			Production - clean seed		
	Average:	1960	1961	Average:	1960	1961	Average:	1960	1961
	1950-59:			1950-59:			1950-59:		
							1,000	1,000	1,000
	<u>Acres</u>	<u>Acres</u>	<u>Acres</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>
Oreg.	131,200	163,000	142,000	847	920	960	112,697	149,960	136,320

See Page 30 for footnotes.

HAIRY VETCH

State	: Season average price per 100 pounds :		Value of production	
	: received by farmers :			
	: 1960 :	: 1961 1/ :	: 1960 :	: 1961 1/ :
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Nebr.	8.00	9.50	720	193
Ark.	10.00	11.00	90	99
Okla.	9.00	9.50	445	274
Texas	10.50	10.50	970	874
Oreg.	9.80	10.00	478	500
U.S.	9.37	10.10	2,703	1,940

COMMON VETCH

State	: Season average price per 100 pounds :		Value of production	
	: received by farmers :			
	: 1960 :	: 1961 1/ :	: 1960 :	: 1961 1/ :
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Oreg.	5.20	6.00	281	296
Calif.	6.50	6.75	14	20
U.S.	5.26	6.04	295	316

PURPLE VETCH

State	: Season average price per 100 pounds :		Value of production	
	: received by farmers :			
	: 1960 :	: 1961 1/ :	: 1960 :	: 1961 1/ :
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Calif.	8.30	6.00	324	522

ALL RYEGRASS

State	: Season average price per 100 pounds :		Value of production	
	: received by farmers :			
	: 1960 :	: 1961 1/ :	: 1960 :	: 1961 1/ :
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>	<u>dollars</u>
Oreg.	4.40	5.60	6,598	7,634

See Page 30 for footnotes.

MUSTARD SEED

Kind and State	Acreage harvested			Yield per acre			Production-clean seed		
	Average:			Average:			Average:		
	1950-59:	1960	1961	1950-59:	1960	1961	1950-59:	1960	1961
							1,000	1,000	1,000
	<u>Acres</u>	<u>Acres</u>	<u>Acres</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>pounds</u>	<u>pounds</u>	<u>pounds</u>
<u>Oriental</u>									
Mont.	12,510	12,900	17,000	566	350	400	7,689	4,515	6,800
Total Oriental	12,510	12,900	17,000	566	350	400	7,689	4,515	6,800
<u>Brown</u>									
Mont.	4,880	17,500	9,000	496	340	370	2,416	5,950	3,330
Calif.	630	1,500	300	1,094	1,215	160	739	1,822	48
Total Brown	5,510	19,000	9,300	570	409	363	3,154	7,772	3,378
<u>Yellow</u>									
Mont.	16,140	56,900	28,000	522	210	250	7,879	11,949	7,000
Calif.	170	---	---	252	---	---	104	---	---
Total Yellow	16,520	56,900	28,000	3/520	210	250	3/8,030	11,949	7,000
<u>All Mustard</u>									
Mont.	33,530	87,300	54,000	529	257	317	17,984	22,414	17,130
Calif.	800	1,500	300	1,026	1,215	160	843	1,822	48
Total All Mustard	3/34,540	88,800	54,300	3/540	273	316	3/18,873	24,236	17,178

See Page 30 for footnotes.

MUSTARD SEED

Kind and State	: Season average price per 100 : : pounds received by farmers :		Value of production	
	: 1960	: 1961 1/	: 1960	: 1961 1/
	<u>Dollars</u>	<u>Dollars</u>	<u>1,000 dollars</u>	<u>1,000 dollars</u>
<u>Oriental</u>				
Mont.	3.80	4.25	171.6	289.0
Total Oriental	3.80	4.25	171.6	289.0
<u>Brown</u>				
Mont.	4.10	4.35	244.0	144.9
Calif.	7.50	6.75	136.6	3.2
Total Brown	4.90	4.38	380.6	148.1
<u>Yellow</u>				
Mont.	5.80	6.90	693.0	483.0
Calif.	---	---	---	---
Total Yellow	5.80	6.90	693.0	483.0
<u>All Mustard</u>				
Mont.	4.95	5.35	1,108.6	916.9
Calif.	7.50	6.75	136.6	3.2
Total All Mustard	5.14	5.36	1,245.2	920.1

1/ Preliminary.

2/ Short-time average.

3/ Includes other States for which estimates have been discontinued.

NOTE: The season average prices shown in this report are estimates of the average price received by producers for that part of the crop that is sold. Prices estimated for the 1961 crop are based on sales through November with an allowance for marketings for the remainder of the season. These prices are applied to the production estimates to compute the value of production. The United States average prices are obtained by weighting State prices by annual sales. This average may differ slightly from the average computed by dividing value of production by the quantity produced.