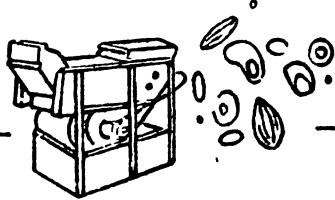


— Seed Crops



HD
1751
A31

1960

1960

ANNUAL SUMMARY

ACREAGE, YIELD, PRODUCTION

SEASON AVERAGE PRICE

AND

VALUE OF PRODUCTION

By States

With Comparisons

December 20, 1960

ANNUAL SEED CROP SUMMARY, December 1960

Crop Reporting Board, AMS, USDA

UNITED STATES: Acres, Yield, and Production, Average 1949-58, 1959 and 1960

Kind of seed	Average :	Acres harvested	Yield per acre	Production-clean seed
	1949-58 :	1959 :	1959 :	Average :
	1960	1960	1960	1949-58 :
				1959 :
Alfalfa	: 1,033,970	: 745,500	: 702,200	: 148
Red Clover	: 1,375,355	: 1,138,600	: 1,069,800	: 64
Alsike Clover	: 63,760	: 33,200	: 25,200	: 188
Sweetclover	: 278,410	: 136,900	: 130,200	: 165
White Clover	: 35,670	: 27,400	: 32,450	: 120
Ladino Clover	: 34,650	: 17,300	: 22,000	: 215
Lespedeza	: 715,190	: 582,500	: 454,000	: 196
Timothy	: 274,580	: 296,500	: 289,000	: 140
Redtop	: 79,400	: 60,000	: 52,000	: 67
Orchardgrass	: 60,100	: 48,000	: 52,500	: 200
Kentucky Bluegrass	: ---	: ---	: ---	: ---
Merrion Kentucky Bluegrass	: 6,519	: 12,830	: 15,070	: 180
Chewings Fescue	: 17,420	: 24,000	: 25,000	: 286
Red Fescue	: 7,190	: 13,400	: 14,200	: 317
Tall (Alta. & Ky. 31) Fescue	: 122,513	: 110,500	: 145,300	: 222
Dentgrass	: 20,480	: 24,000	: 22,500	: 182
Smooth Brome grass	: 81,535	: 39,700	: 66,700	: 160
Crested Wheatgrass	: 40,520	: 38,500	: 35,200	: 86
Sudangrass	: 111,100	: 64,300	: 73,000	: 482
Austrian Winter Peas	: 55,820	: 36,500	: 40,200	: 1,127
Crimson Clover	: 124,308	: 73,500	: 86,000	: 155
Lupine	: 57,360	: 13,000	: 9,000	: 727
Hairy Vetch	: 197,170	: 98,000	: 90,000	: 187
Common Vetch	: 31,860	: 9,000	: 10,000	: 461
Purple Vetch	: 25,000	: 45,000	: 26,000	: 337
Common Ryegrass	: 98,600	: 124,000	: 115,000	: 791
Perennial Ryegrass	: 25,600	: 46,000	: 48,000	: 749
Mustard	: 31,825	: 48,750	: 79,000	: 552

ANNUAL SEED CROP SUMMARY, December 1960
UNITED STATES: Season Average Price and Value of Production, 1959 and 1960

Crop Reporting Board, AMS, USDA
UNITED STATES: Total Carryover and Supply, Average 1949-58.

Kind of seed	Season average price:		Value of production	Total carryover	Initial supply
	per 100 pounds	received by farmers			
Alfalfa	\$29.30	\$27.50	\$35,830	\$46,682	\$183,323
Red Clover	26.10	21.10	22,401	28,763	108,699
Alsike Clover	18.60	16.50	1,119	852	30,536
Sweetclover	8.71	6.62	2,416	1,856	114,518
White Clover	50.10	66.00	2,343	2,610	1,706
Ladino Clover	55.10	60.10	2,384	2,603	1,597
Lespedeza	9.92	12.20	12,382	14,069	8,744
Timothy	10.80	5.86	4,751	2,755	3,212
Redtop	28.10	15.60	1,498	696	2,091
' Orchardgrass	22.50	15.60	2,020	1,850	3,727
Kentucky Bluegrass	*8.52	*5.69	782	3,431	6,056
' Merion Kentucky Bluegrass	118.00	91.00	3,733	2,820	3,334
Chewings Fescue	27.50	16.00	2,904	1,840	2,340
Red Fescue	26.10	17.10	1,489	845	2,407
Tall (Alta. & Ky. 31) Fescue	16.60	11.30	3,665	3,550	11,383
Dentgrass	22.20	28.10	1,501	1,432	1,733
Smooth Brome grass	15.30	9.45	755	1,080	7,602
Crested Wheatgrass	22.80	16.00	625	439	1,743
Sudangrass	4.92	5.31	1,878	2,368	15,404
Austrian Winter Peas	3.39	3.23	1,643	1,403	56,660
Crimson Clover	24.10	16.70	3,278	3,167	2,648
Lupine	4.21	3.96	419	276	32,657
Hairy Vetch	10.20	10.00	2,256	2,128	15,439
Common Vetch	5.25	5.25	230	295	8,778
Purple Vetch	6.60	8.00	7,535	3,312	1,911
Common Ryegrass	5.50	3.70	7,502	3,857	19,040
Perennial Ryegrass	9.80	6.40	4,418	2,765	5,675
Mustard	5.17	5.18	997	1,096	9,640

*Cured Seed.

SEED CROPS--1960 ANNUAL SUMMARYAcreage, Yield, Production, Carry-over and Value

Production of 27 kinds of seed estimated by the Crop Reporting Board in 1960, totals 809.8 million pounds. This is 2 percent below the 827.1 million pounds produced in 1959 and 12 percent under the 1949-58 average of 923.0 million pounds. The 1960 comeback of Kentucky bluegrass seed production from 1959's drought-depressed level was the most noteworthy example of the 14 seed crops showing larger outturns than last year. Other important increases were recorded for smooth bromegrass, tall fescue, crimson clover, orchardgrass, common vetch, and Sudangrass--all of which were at subnormal production levels in 1959. However, the increases for these and other kinds were more than offset by the much smaller 1960 crops of lespedeza, lupine, purple vetch, and ryegrass seed. Other declines, partly to align supplies with demand, occurred in the production of alsike clover, white clover, bentgrass, red fescue, redtop, and Austrian winter peas.

Nationally, conditions for growth, set of seed, and for the seed harvest were good in 1960. Exceptions were the droughty weather along the Continental Divide; abnormally hot July temperatures in eastern Oregon and Washington and northern Idaho; and the damage caused by hurricane Donna in the North Atlantic area. However, irrigated alfalfa and clover grown for seed in the West thrived this season. In the eastern two-thirds of the Nation, lingering cool and wet weather last spring slowed growth of forage crops and fostered some early-season overgrazing. While these conditions usually lower production of early harvested crops, the good moisture supply favored a bountiful production of both forage and seed. The U. S. average yields per acre of only 5 of the 27 seed crops in this report were below average.

The carryover of old crop seed by dealers and farmers on June 30, 1960 totaled 262.5 million pounds, 7 percent above last year's stocks of 245.0 million pounds, but 22 percent under average. Inventories were smaller for most legume seeds, particularly alfalfa, and for most grasses, notably Sudangrass, Kentucky bluegrass, smooth bromegrass, and tall fescue. However, holdings for several kinds were larger than last year. Among the legumes, this was true of red clover and sweetclover; and for the grasses, timothy, redtop, Merion Kentucky bluegrass, red fescue and Chewings fescue. Stocks of winter cover crop seeds were also larger, except for vetches, with the extensive holdings of ryegrass accounting for most of the increase in this group, as well as the national increase in the total carryover of all seeds.

The initial supply of 27 kinds of seed (1960 production plus carry-over by dealers and growers) for use in the 1960-61 plantings totals 1,072.3 million pounds, virtually the same as the 1959-60 season total, but 15 percent below average. Comparing the currently indicated supply of each kind with the total usage plus minimal working stocks indicates that the supply of most kinds is adequate for 1960-61 seeding requirements with the exception of alsike clover, sweetclover, lespedeza, orchardgrass, smooth bromegrass, crested wheatgrass, red fescue, and lupine. Deficiencies in the supply of these seeds, except lespedeza, will likely be compensated by imports. The initial supply is considered adequate for alfalfa, white clover, Ladino clover, tall fescue, Sudangrass, crimson clover, Austrian winter peas, and vetch. Kinds which appear to be in liberal supply include red clover, timothy, redtop, Kentucky bluegrass, Chewings fescue, bentgrass and ryegrass.

Prices received by growers for sales of 1960 crop seeds to date have been below last year for the majority of kinds. Exceptions have been white and Ladino clover, lespedeza, bentgrass, Sudangrass, and vetches. Total value of the 1960 production of 27 kinds of seed, at 111.1 million dollars, is 12 percent under the 126.5 million dollar value of 1959 production. Prices declined most for grass seeds, one-half to one-fourth, and were about one-fifth to one-tenth lower for legume seeds.

LEGUME SEEDS FOR HAY AND PASTURE: The 1960 production of 7 hay and pasture legume seeds--alfalfa, red clover, alsike clover, sweetclover, white clover, Ladino clover and lespedeza-- totals 351.8 million pounds, 8 percent below last year, and 21 percent under average.

Alfalfa Seed: The 1960 crop of alfalfa seed is estimated at 130,323,000 pounds, and while this is 1 percent more than last year's small crop of 129,268,000 pounds it is 14 percent below the 10-year average. Less acres were harvested this year than last in the majority of States and the total of 702,200 acres is the smallest in 12 years. Production in California, the leading State with 51,465,000 pounds and 39 percent of the U. S. total, was down 11 percent. The decline in this State was mostly in Buffalo and Vernal varieties, but an increase occurred for Moapa. Sharp reductions occurred in Michigan, Wisconsin, Ohio, Nebraska, Oklahoma, Texas, Wyoming, Colorado, New Mexico, Arizona, Utah, and Washington. However, larger crops than last year were harvested in the Dakotas, Minnesota, Kansas, Montana, Idaho, and Oregon.

Weather was good during the growing and harvesting season in most producing States. The favorable weather promoted activity of alkali bees and other pollinating insects. These factors, together with the relatively large portion of the crop grown under irrigation, resulted in the harvest of record high yields. The U. S. yield of 186 pounds per acre was 13 pounds and 38 pounds, respectively, more than last year and average.

Red Clover Seed: The 1960 crop of red clover seed is now estimated at 89,765,000 pounds. This is smaller than earlier expectations but is the largest crop in eight years. The current production exceeds last year's by 3 percent and is 5 percent above average. Larger crops than last year were harvested in a majority of the producing States with most of the increase occurring in Illinois, Wisconsin, Minnesota, Missouri, Iowa, Nebraska, Kansas, and Oregon. Smaller crops were produced in New York, Pennsylvania, Ohio, Indiana, Montana, Idaho, and California. A very good set of seed was the dominant factor in this year's increase. Other factors which influenced growers to harvest more seed were: relatively high prices paid by growers for seed last spring, and a need for more clover in the Corn Belt where red clover is used extensively in the crop rotation.

Yields per acre were record high in Ohio, Indiana, Illinois, Missouri, and Kansas and in several other States they were the largest in many years. The U. S. yield of 84 pounds per acre is 8 pounds more than last year and is record high.

Alsike Clover Seed: Production of alsike clover seed in 1960, at 5,160,000 pounds and last year's production of 6,010,000 pounds were successively the smallest crops of record beginning in 1919. The 1960 crop is 14 percent under 1959 and 54 percent below average. Smaller crops than last year were harvested in all States except Minnesota. The decline this

year resulted from voluntary reductions in acreage because of low prices for seed, large carry-over and competition from imported alsike clover seed. However, climatic conditions favored set of seed this year and some of the decrease in acreage was offset by good yields per acre.

Sweetclover Seed: Although the 1960 crop of sweetclover seed, estimated at 27,696,000 pounds, is 1 percent above the 1959 crop and 4 percent above the 1958 crop, it is still far below the production in any other year since 1943. Competition from Canadian seed, a large carry-over, low prices, the problem of controlling weevils, and droughty conditions in Montana, Wyoming, Colorado, and western Nebraska were major reasons for limiting expansion in production of this seed toward levels of former years. Texas with 5,400,000 pounds, a large portion of which is Hubam, and Kansas with 4,200,000 pounds were the leading producers this year.

Lespedeza Seed: Production of lespedeza seed in 1960, at 90,625,000 pounds, was 27 percent below last year's crop of 124,295,000 pounds, 37 percent below average, and the smallest crop since 1954. A cold, wet spring restricted planting of the annual species--Korean, Kobe, common and Tennessee 76-- and dry growing weather in mid-summer with the resultant need for forage, reduced the acreage for seed harvest and the per acre yields. Production of Sericea was less affected by the poor spring planting conditions and a larger crop of this perennial species was produced. North Carolina with 15,400,000 pounds and Tennessee with 14,000,000 pounds were the leading producing States this year.

The 1960 crop of white clover seed is estimated at 3,940,000 pounds, 15 percent less than the 1959 crop of 4,640,000 pounds. Most of the decrease was in the main producing area, northern Idaho, where winter-kill and unfavorable spring weather thinned stands. However, ideal harvest weather in Louisiana resulted in a near-record large crop for the State, particularly of improved strains. This year's production of Ladino clover seed, at 4,330,000 pounds, is virtually unchanged from 1959's crop of 4,329,000 pounds.

GRASS SEEDS FOR HAY, PASTURE AND TURF: Aggregate production in 1960 of six important hay and pasture grass seeds--timothy, redtop, orchardgrass, tall fescue, smooth bromegrass and crested wheatgrass is estimated at 108.7 million pounds and compares with the total of 88.2 million pounds in 1959. Production of five important turf grass seeds--Kentucky bluegrass, Merion Kentucky bluegrass, Chewings fescue, red fescue, and bentgrass--totaled 54.1 million pounds in 1960, 82 percent above 1959 and 65 percent above average.

The 1960 crop of timothy seed, estimated at 46,875,000 pounds, is 6 percent above the 1959 crop of 44,098,000 pounds. Production of this seed along with red clover seed has become increasingly important during the past two seasons in the North Central States. Timothy made good growth in 1960. Yields in all States were above average and the U. S. yield of 162 pounds was the highest in 13 years. This year's crop of redtop seed totaled 4,460,000 pounds, 16 percent below the 1959 harvest of 5,325,000 pounds. Dry weather in central and southwestern Missouri, and a weak market discouraged harvest of redtop seed. Orchardgrass seed production at 11,880,000 pounds in 1960 rebounded from the small 1959 crop of 8,985,000 pounds, but was 1 percent smaller than average. Growers in Virginia and Kentucky obtained exceptionally

good yields on a larger acreage. Production of tall fescue seed this year, totaling 31,331,000 pounds, compares with 22,134,000 pounds last year, and was the largest crop in seven years. Crops were larger than last year in all States except Idaho and Washington. Smooth bromegrass seed production this year, at 11,443,000 pounds, was more than double the 4,943,000 pounds produced in 1959 when the crop was the smallest in 11 years. Conditions for development of grass seed were particularly good in South Dakota this year and production there was record large. Nebraska and Kansas also had more seed than last year but in both States the crops were below average. The 1960 crop of crested wheatgrass, totaling 2,754,000 pounds, approximated the small 1959 crop of 2,745,000 pounds. Droughty conditions in Montana, Idaho, and Wyoming reduced the acreage harvested in these States, but favorable conditions for seed production in the Dakotas and parts of Nebraska more than offset the losses in the West.

The 1960 crop of Sudangrass seed is estimated at 44,811,000 pounds. While this is 17 percent more than the 38,248,000 pounds produced in 1959, it is 18 percent less than average. A large increase in the Colorado acreage for seed accounts for most of the year's upturn in the Nation's production. Although droughty weather retarded growth, yields per acre were good in most producing States resulting in a record high yield of 614 pounds for the U. S.

This year's production of 3,099,000 pounds of Merion Kentucky bluegrass seed was 2 percent below the record large 1959 crop of 3,174,000 pounds. More acres were harvested but yields were low. Cold, dry weather also lowered per acre yields of red fescue seed and the 1960 crop of 4,958,000 pounds was 13 percent below 1959's production of 5,702,000 pounds despite increases in acreage. Chewings fescue seed production of 11,500,000 pounds was up 9 percent from the 10,560,000 pounds harvested in 1959 because of exceptionally good yields on an expanded acreage. Production of bentgrass seed this year, at 5,098,000 pounds, was 25 percent below last year as the result of reductions in both acreage and yields.

KENTUCKY BLUEGRASS SEED: The 1960 Kentucky bluegrass seed crop is estimated at 60,320,000 pounds (4,308,600 bushels) of cured seed. This is about six and one-half times last year's small production of 9,180,000 pounds (655,700 bushels), and compares with the 10-year average of 49,874,000 pounds (3,562,400 bushels). South Dakota, with a record large crop of 35,435,000 pounds cured seed, was by far the leading bluegrass seed producing State this year. Quality of this year's seed is rated one of the best ever produced. Estimates for this seed are based on reports from all known threshers and cleaners in the Kentucky District and the North Central States District. The estimates exclude both common and improved strains of Kentucky bluegrass seed harvested in Idaho, Oregon, Washington, and California.

Production this year of clean seed weighing 21 pounds or more per measured bushel or having a purity of approximately 85 percent, totals 29,400,000 pounds and compares with 3,550,000 pounds last year, and the average 20,223,000 pounds. These quantities, together with cured seed figures given above, indicate a high recovery of clean seed from cured seed of 48.7 percent this year, much above the 38.7 percent last year, and the average of 39.8 percent. The high recovery was largely the result of more discriminate selection of fields that were stripped, better management practices by growers, improved harvesting methods, and an especially good set of seed in South Dakota.

Initial supply of Kentucky bluegrass seed (1960 production of clean seed plus carry-over on June 30, 1960) is indicated at 38,398,000 pounds, 69 percent more than last year's sub-normal total, 46 percent more than average, but 6 percent less than two years ago.

Production of Kentucky bluegrass seed in the Western District rebounded from last year's small crop, and 83 percent of the cured seed total was produced in this District. Estimated at 49,970,000 pounds (3,569,300 bushels) cured and 25,695,000 pounds clean, this year's crop compares with only 7,130,000 pounds (509,300 bushels) cured and 3,000,000 pounds clean seed produced last year. The average production for this District is 41,166,000 pounds (2,940,400 bushels) cured and 17,338,300 pounds clean seed. Recovery of clean seed from cured weight was the highest in 18 years and at 51.4 percent compares with 42.1 percent and 41.4 percent respectively for last year and average. Meadows and pastures were relatively free from weeds and undergrowth. This and the use of improved methods of harvesting and better selection of fields stripped were contributing factors to the high recovery. The clean seed is heavier than usual and much of it weighs considerably more than 21 pounds per bushel. Although most States in the District shared the increase, the bulk was in South Dakota where an outstanding crop, both in size and quality, was stripped. Bluegrass had ample moisture and a late cool spring season favored maturity of seed.

The 1960 production of Kentucky bluegrass seed in the Kentucky District, which includes Kentucky, Indiana, and Ohio exceeded earlier expectations and is now estimated at 10,350,000 pounds (739,300 bushels) cured seed and 3,705,000 pounds clean seed. This compares with 2,050,000 pounds (146,400 bushels) cured seed and 550,000 pounds clean seed last year--the smallest crop in 16 years. The average is 8,708,000 pounds (622,000 bushels) cured seed and 2,884,700 pounds clean seed. Recovery of clean seed from cured seed was 35.8 percent this year, 26.8 percent last year and 31.8 percent the average. The acreage stripped in this District was more than double that of last year and seed yields per acre were good. Quality of seed is normal or better as a larger portion than last year of the crop was stripped from fertilized and otherwise well-managed pastures.

WINTER COVER CROP SEEDS: Total 1960 production of eight winter cover crop seeds--lupine, crimson clover, Austrian winter peas, vetches, and ryegrass--was 250.3 million pounds, 13 percent below last year and also the average.

Production of lupine seed in 1960 at 7,060,000 pounds was 30 percent below 1959 largely because of poor fall seeding conditions and winter-kill. The 1960 crop of crimson clover seed was the largest in 7 years. It totaled 18,700,000 pounds and was 39 percent larger than last year's small crop. The unusually favorable harvest weather in 1960 compared with the wet 1959 harvest induced southern growers to harvest more acres for seed. This together with an expansion in Oregon's acreage resulted in a 1960 total of 86,000 acres, 17 percent more than last year. Hot and dry early-summer weather in northern Idaho lowered yields of Austrian winter peas. Even though a larger acreage was harvested, total 1960 production of 43,502,000 pounds in the Pacific Northwest was 10 percent under 1959. Hairy vetch seed production of 21,390,000 pounds in 1960 was 3 percent under 1959, with larger crops harvested in Arkansas, Oklahoma and Texas and a smaller crop in Oregon.

The estimated 5,620,000 pounds of common vetch produced this year is 28 percent above 1959 and the largest in three years. Production of purple vetch in 1960 was down in all areas of California, and at 3,900,000 pounds, was 52 percent below the large 1959 crop. This year's crop of common ryegrass seed in Oregon of 106,950,000 pounds was down 22 percent from the record large 1959 crop. The reduction resulted from a smaller acreage for seed harvest and lower yields. Production of perennial ryegrass, estimated at 43,200,000 pounds, represents little change from last year because low yields were offset by an increase in the acreage for seed.

MUSTARD SEED: The 1960 production of mustard seed is estimated at 21,135,000 pounds. Of this total 19,313,000 pounds were produced in Montana and 1,822,000 pounds in California. The current crop is 10 percent larger than last year's total of 19,278,000 pounds and compares with the 1949-58 average of 18,066,000 pounds. All of the increase was in the brown (*Brassica juncea*) varieties. The estimate of 3,333,000 pounds for Oriental, the yellow seeded form of brown mustard, is 61 percent larger than last year's total of 2,070,000 pounds; and the regular brown, at 7,134,000 pounds, is 44 percent larger. Production of yellow (*Brassica hirta*, formerly known as *Brassica alba*) at 10,668,000 pounds, compares with the 1959 crop of 12,240,000 pounds.

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ALFALFA SEED

State	Acreage harvested			Yield per acre			Production-clean seed		
	Average		1959	Average		1959	1960	Average	
	1949-58	1959	1960	1949-58	1959	1960	1949-58	1959	1960
							1,000	1,000	1,000
	Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds	pounds
Ohio	6,900	2,000	1,400	49	50	45	331	100	63
Mich.	23,500	16,000	7,000	47	60	55	1,050	960	385
Wis.	15,100	9,000	3,000	58	75	55	966	675	165
Minn.	30,600	9,000	12,000	49	65	85	1,503	585	1,020
N.Dak.	64,800	16,000	44,000	43	45	60	2,888	720	2,640
S.Dak.	155,600	81,000	101,000	51	55	75	8,285	4,455	7,575
Nebr.	99,000	93,000	50,000	80	63	85	8,363	5,859	4,250
Kans.	112,000	85,000	85,000	92	75	125	11,323	6,375	10,625
Okla.	81,000	58,000	42,000	113	125	140	8,990	7,250	5,880
Texas	24,700	21,000	13,000	135	125	150	3,336	2,625	1,950
Mont.	77,900	47,000	57,000	91	85	100	7,020	3,995	5,700
Idaho	34,000	29,000	30,000	168	275	370	5,794	7,975	11,100
Wyo.	23,000	13,500	9,000	107	87	80	2,450	1,174	720
Colo.	24,400	18,000	13,000	128	130	130	3,052	2,340	1,690
N.Mex.	6,720	3,500	2,800	272	280	225	1,804	980	630
Ariz.	34,900	17,000	16,000	216	200	190	7,540	3,400	3,040
Utah	55,800	45,000	45,000	194	210	185	10,792	9,450	8,325
Wash.	22,300	20,000	19,000	485	430	400	11,088	8,600	7,600
Oreg.	7,540	9,500	11,000	302	380	500	2,290	3,610	5,500
Calif.	130,000	153,000	141,000	390	380	365	52,518	58,140	51,465
U. S.	1,033,970	745,500	702,200	148	173	186	151,546	129,268	130,323

RED CLOVER SEED

State	Acreage harvested			Yield per acre			Production-clean seed		
	Average		1959	Average		1959	1960	Average	
	1949-58	1959	1960	1949-58	1959	1960	1949-58	1959	1960
							1,000	1,000	1,000
	Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds	pounds
N.Y.	12,300	13,000	12,000	72	95	90	912	1,235	1,080
Pa.	30,300	36,000	15,000	55	60	60	1,679	2,160	900
Ohio	176,200	190,000	114,000	52	58	61	9,319	11,020	6,954
Ind.	141,700	140,000	126,000	50	63	65	7,099	8,820	8,190
Ill.	212,500	197,000	197,000	50	62	75	10,594	12,214	14,775
Mich.	158,200	90,000	85,000	60	60	59	9,520	5,400	5,015
Wis.	98,300	32,000	55,000	59	63	72	5,815	2,016	3,960
Minn.	81,900	38,000	57,000	67	95	110	5,492	3,610	6,270
Iowa	188,300	108,000	110,000	46	52	55	8,788	5,616	6,050
Mo.	117,200	145,000	135,000	63	85	98	7,425	12,325	13,230
Nebr.	29,450	20,000	22,000	42	63	60	1,214	1,260	1,320
Kans.	31,350	37,000	44,000	51	78	90	1,509	2,886	3,960
Md.	12,200	10,000	9,000	52	55	63	631	550	567
Va.	9,950	11,000	13,000	53	60	70	533	660	910
Ky.	17,300	13,000	15,000	68	65	80	1,211	845	1,200
Mont.	3,720	1,900	1,200	185	200	200	654	380	240
Idaho	31,250	34,000	29,000	304	290	280	9,134	9,860	8,120
Wash.	3,890	3,000	3,600	176	210	190	661	630	684
Oreg.	17,900	15,000	23,000	174	220	200	3,054	3,300	4,600
Calif.	2/ 1,606	4,700	4,000	2305	435	435	2/ 570	2,044	1,740
U. S.	1,375,355	1,138,600	1,069,800	64	76	84	85,725	86,831	89,765

See Page 29 for footnotes.

ALFALFA SEED

State	Season average price per 100 pounds:		Value of production	
	received by farmers 1959	1960 1/	1959	1960 1/
	Dollars	Dollars	1,000 dollars	1,000 dollars
Ohio	27.50	23.00	28	14
Mich.	24.40	21.00	234	81
Wis.	27.50	24.00	186	40
Minn.	23.70	22.00	139	224
N.Dak.	24.70	20.00	178	528
S.Dak.	23.70	21.00	1,056	1,591
Nebr.	22.50	22.00	1,318	935
Kans.	21.90	22.00	1,396	2,338
Okla.	19.80	23.00	1,436	1,352
Texas	21.30	22.00	559	429
Mont.	27.20	23.00	1,087	1,311
Idaho	29.30	26.50	2,337	2,942
Wyo.	29.20	26.50	343	191
Colo.	21.70	22.00	508	372
N.Mex.	23.10	33.00	226	208
Ariz.	22.70	25.00	772	760
Utah	26.80	23.50	2,533	1,956
Wash.	33.30	27.50	2,864	2,090
Oreg.	33.40	27.00	1,206	1,485
Calif.	33.00	33.00	19,186	16,983
U. S.	29.30	27.50	37,592	35,830

RED CLOVER SEED

State	Season average price per 100 pounds:		Value of production	
	received by farmers 1959	1960 1/	1959	1960 1/
	Dollars	Dollars	1,000 dollars	1,000 dollars
N.Y.	23.10	20.50	285	221
Pa.	25.00	24.50	540	220
Ohio	23.10	19.50	2,546	1,356
Ind.	25.50	21.50	2,249	1,761
Ill.	26.00	21.00	3,176	3,103
Mich.	22.80	18.00	1,231	903
Wis.	26.20	20.50	528	812
Minn.	25.40	20.00	917	1,254
Iowa	25.80	20.00	1,449	1,210
Mo.	24.70	20.00	3,044	2,646
Nebr.	25.00	22.00	315	290
Kans.	24.00	20.00	693	792
Md.	29.00	25.50	160	145
Va.	32.00	28.50	211	259
Ky.	27.80	23.00	235	276
Mont.	26.30	23.50	100	56
Idaho	30.10	23.50	2,968	1,908
Wash.	29.90	25.00	188	171
Oreg.	27.10	22.00	894	1,012
Calif.	32.90	26.00	672	452
U. S.	26.10	21.10	22,401	18,847

See Page 29 for footnotes.

ANNUAL SEED CROP SUMMARY, December 1960

Crop Reporting Board, AMS, USDA

ALSIKE CLOVER SEED

State	Acreage harvested		Yield per acre		Production		clean seed		
	Average : 1959 : 1960		Average: 1949-58: 1959		Average: 1960 : 1949-58:		1959 : 1960		
	: 1949-58 :		: 1949-58:		: 1949-58:		: 1949-58:		
							1,000 pounds	1,000 pounds	1,000 pounds
	Acres	Acres	Acres	Pounds	Pounds	Pounds			
Ohio	7,740	2,400	1,500	66	80	80	528	192	120
Ill.	2,910	3,000	1,000	79	100	90	224	300	90
Wis.	5,950	1,000	700	116	100	100	689	100	70
Minn.	16,500	9,000	13,000	123	115	140	2,043	1,035	1,820
Idaho	13,100	9,000	5,000	218	190	290	2,728	1,710	1,450
Oreg.	8,490	5,500	3,000	383	300	370	3,237	1,650	1,110
Calif.	3,710	3,300	1,000	405	310	500	1,517	1,023	500
U. S.	63,760	33,200	25,200	188	181	205	11,309	6,010	5,160

SWEETCLOVER SEED

State	Acreage harvested		Yield per acre		Production		clean seed		
	Average : 1959 : 1960		Average: 1949-58: 1959		Average: 1960 : 1949-58:		1959 : 1960		
	: 1949-58 :		: 1949-58:		: 1949-58:		: 1949-58:		
							1,000 pounds	1,000 pounds	1,000 pounds
	Acres	Acres	Acres	Pounds	Pounds	Pounds			
Ohio	2,300	12,000	13,000	171	165	240	2,114	1,980	3,120
Ind.	3,610	3,000	1,600	116	140	105	401	420	168
Ill.	13,000	9,000	6,000	111	125	150	1,418	1,125	900
Mich.	6,800	4,000	5,500	142	140	150	964	560	825
Minn.	9,400	22,000	15,000	199	225	220	9,768	4,950	3,300
Iowa	6,500	2,000	1,700	134	170	160	881	340	272
Mo.	5,930	3,200	2,800	137	160	170	765	512	476
N.Dak.	11,350	5,000	4,000	156	180	250	1,772	900	1,000
S.Dak.	21,600	15,000	15,000	164	260	240	3,570	3,900	3,600
Nebr.	27,300	17,000	12,000	169	230	230	4,636	3,910	2,760
Kans.	35,100	12,000	24,000	133	130	175	4,416	1,560	4,200
Okla.	16,950	7,000	8,000	98	150	125	1,725	1,050	1,000
Texas	50,000	21,000	18,000	180	250	300	8,950	5,250	5,400
Mont.	5,630	800	---	196	210	---	1,091	168	---
Wyo.	3,840	1,200	900	254	330	270	929	396	243
Colo.	7,080	2,700	2,700	237	180	160	1,672	486	432
U. S.	278,410	136,900	130,200	165	201	213	45,451	27,507	27,696

See Page 29 for footnotes.

ALSIKE CLOVER SEED

State	Season average price per 100 pounds:		Value of production	
	received by farmers 1959	1960 1/	1959	1960 1/
	Dollars	Dollars	dollars	dollars
Ohio	18.30	17.00	35	20
Ill.	21.80	20.00	65	18
Wis.	21.00	18.00	21	13
Minn.	16.10	15.00	167	273
Idaho	19.20	17.50	328	254
Oreg.	18.90	17.00	312	189
Calif.	18.70	17.00	191	85
U. S.	18.60	16.50	1,119	352

SWEETCLOVER SEED

State	Season average price per 100 pounds:		Value of production	
	received by farmers 1959	1960 1/	1959	1960 1/
	Dollars	Dollars	1,000 dollars	1,000 dollars
Ohio	8.40	4.70	166	147
Ind.	9.50	8.50	40	14
Ill.	10.00	10.40	112	94
Mich.	7.60	5.90	43	49
Minn.	7.70	5.50	381	182
Iowa	7.90	5.60	27	15
Mo.	8.40	7.80	43	37
N. Dak.	8.10	5.70	73	57
S. Dak.	8.40	6.90	328	248
Nebr.	8.10	5.60	317	155
Kans.	7.50	5.60	117	235
Okla.	10.30	8.50	108	85
Texas	10.90	9.00	572	486
Mont.	7.80	---	13	--
Wyo.	8.40	7.10	33	17
Colo.	8.90	8.00	43	35
U. S.	8.71	6.62	2,416	1,856

See Page 29 for footnotes.

WHITE CLOVER SEED*

State	: Season average price per 100 pounds :		Value of production	
	received by farmers		1959	1960 1/
	Dollars	Dollars	1,000 dollars	1,000 dollars
Wis.	43.00	60.00	13	13
Ala.	80.00	70.00	48	38
Miss.	92.00	72.00	50	43
La.*	110.00	74.00	440	932
Idaho	43.50	62.00	1,686	1,438
Oreg.	48.00	65.00	106	146
U. S.*	50.10	66.00	2,343	2,610

*Revision, 1958 crop white clover seed in Louisiana and U.S., respectively: Season average price \$77.00 and \$52.00; and Value of production \$437,000 and \$1,651,000.

LADINO CLOVER SEED

State	: Season average price per 100 pounds :		Value of production	
	received by farmers		1959	1960 1/
	Dollars	Dollars	1,000 dollars	1,000 dollars
Oreg.	57.00	64.00	96	83
Calif.	55.00	60.00	2,288	2,520
U. S.	55.10	60.10	2,384	2,603

LESPEDEZA SEED

State	: Season average price per 100 pounds :		Value of production	
	received by farmers		1959	1960 1/
	Dollars	Dollars	1,000 dollars	1,000 dollars
Ind.	7.20	10.50	414	670
Ill.	7.90	11.00	340	318
Mo.	7.80	10.00	1,404	1,120
Kans.	6.30	7.50	176	180
Md.	7.70	10.00	266	330
Va.	11.40	13.50	173	162
N.C.	10.10	12.00	2,055	1,848
S.C.	13.60	16.50	1,278	990
Ga.	15.10	17.50	604	504
Ky.	8.50	12.50	1,547	1,470
Tenn.	10.20	12.00	2,193	1,680
Ala.	13.90	14.00	278	176
Miss.	19.10	19.50	258	257
Ark.	12.00	13.00	1,305	1,219
Okla.	11.40	11.50	91	145
U. S.	9.92	12.20	12,382	11,669

See Page 29 for footnotes.

TIMOTHY SEED

Acreage harvested			Yield per acre			Production			clean seed						
State	Average:	: 1949-58: 1959	Average:	: 1949-58: 1959	: 1949-58: 1960	Average:	: 1949-58: 1959	: 1949-58: 1960	Average:	: 1949-58: 1959	: 1949-58: 1960				
Pa.	Acres	6,380	Acres	12,500	Acres	7,000	Pounds	110	Pounds	115	Pounds	125	1,000	1,000	1,000
Ohio		54,900		73,000		50,000		138		145		175	7,639	10,585	8,750
Ind.		13,550		13,000		9,000		116		125		140	1,600	1,625	1,260
Ill.		15,700		14,000		13,000		119		120		140	1,878	1,680	1,820
Wis.		11,250		10,000		8,000		116		115		130	1,334	1,150	1,040
Minn.		19,200		31,000		38,000		148		170		160	2,906	5,270	6,080
Iowa		62,700		45,000		54,000		150		170		175	9,420	7,650	9,450
Mo.		90,900		98,000		110,000		141		150		160	13,016	14,700	17,600
U. S.		274,580		296,500		289,000		140		149		162	38,501	44,098	46,875

REDTOP SEED

Acreage harvested			Yield per acre			Production			clean seed						
State	Average:	: 1949-58: 1959	Average:	: 1949-58: 1959	: 1949-58: 1960	Average:	: 1949-58: 1959	: 1949-58: 1960	Average:	: 1949-58: 1959	: 1949-58: 1960				
Ill.	Acres	43,300	Acres	25,000	Acres	22,000	Pounds	63	Pounds	50	Pounds	80	1,000	1,000	1,000
Mo.		36,100		35,000		30,000		70		95		90	2,684	2,000	1,760
U. S.		79,400		60,000		52,000		67		82		86	3,325	3,325	2,700

ORCHARDGRASS SEED

Acreage harvested			Yield per acre			Production			clean seed						
State	Average:	: 1949-58: 1959	Average:	: 1949-58: 1959	: 1949-58: 1960	Average:	: 1949-58: 1959	: 1949-58: 1960	Average:	: 1949-58: 1959	: 1949-58: 1960				
Mo.	Acres	13,850	Acres	11,500	Acres	11,500	Pounds	174	Pounds	140	Pounds	140	1,000	1,000	1,000
Va.		25,750		19,500		23,000		237		230		290	6,118	4,485	6,670
Ky.		20,500		17,000		18,000		166		170		200	3,415	2,890	3,600
U. S.		60,100		48,000		52,500		200		187		226	11,984	8,985	11,880

See Page 29 for footnotes.

TIMOTHY SEED

State	Season average price per 100 pounds:		Value of production	
	received by farmers	1959	1959	1960
	Dollars	Dollars	1,000 dollars	1,000 dollars
Pa.	10.50	8.00	151	70
Ohio	9.60	6.00	1,016	525
Ind.	10.30	7.00	167	88
Ill.	12.20	8.00	205	146
Wis.	11.90	7.00	137	73
Minn.	11.00	6.00	580	365
Iowa	10.90	5.50	834	520
Mo.	11.30	5.50	1,661	968
U. S.	10.80	5.86	4,751	2,755

REDTOP SEED

State	Season average price per 100 pounds:		Value of production	
	received by farmers	1959	1959	1960
	Dollars	Dollars	1,000 dollars	1,000 dollars
Ill.	30.00	15.00	600	264
Mo.	27.00	16.00	898	432
U. S.	28.10	15.60	1,498	696

ORCHARDGRASS SEED

State	Season average price per 100 pounds:		Value of production	
	received by farmers	1959	1959	1960
	Dollars	Dollars	1,000 dollars	1,000 dollars
Mo.	22.00	16.00	354	258
Va.	22.00	15.50	987	1,034
Ky.	23.50	15.50	679	558
U. S.	22.50	15.60	2,020	1,850

See Page 29 for footnotes.

KENTUCKY BLUEGRASS SEED

State	Production - cured seed		
	Average 1949-58	1959	1960
	1,000 pounds	1,000 pounds	1,000 pounds
Wis.	624	330	180
Minn.	3,488	90	150
Iowa	10,826	3,470	5,540
Mo.	7,776	2,380	4,550
N. Dak.	3,239	30	2,105
S. Dak.	8,853	0	35,435
Nebr.	5,133	620	1,600
Kans.	796	210	410
Other States	430	0	0
Total Western			
District	41,166	7,130	49,970
Ky. District	8,708	2,050	10,350
U. S.	49,874	9,180	60,320

KENTUCKY BLUEGRASS SEED

State	Production - clean seed		
	Average 1949-58	1959	1960
	1,000 pounds	1,000 pounds	1,000 pounds
U. S.	20,223	3,550	29,400

MERION KENTUCKY BLUEGRASS SEED

State	Acreage harvested		Yield per acre		Production - clean seed		
	Average: 1949-58:	1959	Average: 1949-58:	1959	Average: 1949-58:	1959	1960
	Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds
Idaho	2/ 647	1,300	1,600	2/ 228	315	270	2/ 135
Wash.	2/ 2,360	4,600	5,600	2/ 162	230	210	2/ 364
Oreg.	2/ 3,257	6,700	7,500	2/ 183	240	180	2/ 577
Calif.	2/ 593	230	370	2/ 303	425	380	2/ 144
U. S.	2/ 6,519	12,830	15,070	2/ 180	247	206	2/ 1,138

See Page 29 for footnotes.

KENTUCKY BLUEGRASS SEED

State	Season average price per 100 pounds:		Value of production	
	cured seed received by farmers		1959 1/	
	1959	1960 1/	1959 1,000 dollars	1960 1,000 dollars
	Dollars	Dollars		
Wis.	8.40	5.30	27.7	9.5
Minn.	7.00	5.30	6.3	8.0
Iowa	9.00	7.60	312.3	421.0
Mo.	8.80	5.70	209.4	259.4
N. Dak.	6.20	4.90	1.9	103.1
S. Dak.	---	5.10	---	1,807.2
Nebr.	8.70	5.40	53.9	86.4
Kans.	8.70	5.50	18.3	22.6
Other States	---	---	---	---
Total West:				
District	8.83	5.44	629.8	2,717.2
Kentucky	7.45	6.90	152.7	714.2
U. S.	8.52	5.69	782.5	3,431.4

MERION KENTUCKY BLUEGRASS SEED

State	Season average price per 100 pounds:		Value of production	
	received by farmers		1959 1/	
	1959	1960 1/	1959 1,000 dollars	1960 1,000 dollars
	Dollars	Dollars		
Idaho	120.00	97.00	492	419
Wash.	120.00	90.00	1,270	1,058
Oreg.	115.00	89.00	1,849	1,202
Calif.	125.00	100.00	122	141
U. S.	118.00	91.00	3,733	2,820

See Page 29 for footnotes.

CHEWINGS FESCUE SEED

Acreage harvested			Yield per acre		Production		clean seed		
State	Average:	1959	1960	Average:	1959	1960	Average:	1959	1960
	: 1949-58:	: 1959	: 1960	: 1949-58:	: 1959	: 1960	: 1949-58:	: 1959	: 1960
							1,000	1,000	1,000
	: Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds	pounds
Oreg.	: 17,250	24,000	25,000	286	440	460	5,094	10,560	11,500

RED FESCUE SEED

Acreage harvested			Yield per acre		Production		clean seed		
State	Average:	1959	1960	Average:	1959	1960	Average:	1959	1960
	: 1949-58:	: 1959	: 1960	: 1949-58:	: 1959	: 1960	: 1949-58:	: 1959	: 1960
							1,000	1,000	1,000
	: Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds	pounds
Idaho	: 2/ 511	800	600	2/313	315	250	2/ 138	252	150
Wash.	: 1,080	1,600	1,600	384	450	380	432	720	608
Oreg.	: 5,650	11,000	12,000	308	430	350	1,791	4,730	4,200
U. S.	: 7,190	13,400	14,200	317	426	349	2,348	5,702	4,958

TALL FESCUE (ALTA & KY. 31) SEED

Acreage harvested			Yield per acre		Production		clean seed		
State	Average:	1959	1960	Average:	1959	1960	Average:	1959	1960
	: 1949-58:	: 1959	: 1960	: 1949-58:	: 1959	: 1960	: 1949-58:	: 1959	: 1960
							1,000	1,000	1,000
	: Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds	pounds
Mo.	: 2/8,538	18,000	29,000	2/198	160	200	2/1,723	2,880	5,800
S.C.	: 2/10,389	10,000	11,000	2/165	185	180	2/1,725	1,850	1,980
Ga.	: 2/9,611	7,000	7,000	2/182	175	180	2/1,832	1,225	1,260
Ky.	: 45,000	40,000	56,000	236	200	225	10,599	8,000	12,600
Tenn.	: 15,750	17,000	21,000	190	175	180	3,000	2,975	3,780
Ala.	: 7,240	6,500	7,500	198	200	215	1,477	1,300	1,612
Miss.	: 4,230	2,000	3,200	140	160	160	622	320	512
Ark.	: 3,920	3,000	3,500	156	170	190	660	510	665
Okla.	: 2,600	1,000	1,200	144	150	160	370	150	192
Idaho	: 2,300	800	700	294	230	200	699	184	140
Wash.	: 770	200	200	294	200	200	255	40	40
Oreg.	: 15,150	5,000	5,000	353	540	550	4,817	2,700	2,750
U. S.	: 122,513	110,500	142,300	222	200	216	27,232	22,134	31,331

BENTGRASS SEED

Acreage harvested			Yield per acre		Production		clean seed		
State	Average:	1959	1960	Average:	1959	1960	Average:	1959	1960
	: 1949-58:	: 1959	: 1960	: 1949-58:	: 1959	: 1960	: 1949-58:	: 1959	: 1960
							1,000	1,000	1,000
	: Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds	pounds
Wash.	: 2,180	1,000	500	87	95	75	187	95	38
Oreg.	: 18,300	23,000	22,000	192	290	230	3,758	6,670	5,060
U. S.	: 20,480	24,000	22,500	182	282	227	3,942	6,765	5,098

See Page 29 for footnotes.

CHEWINGS FESCUE SEED

: Season average price per 100 pounds :				Value of production	
State	received by farmers	1959	1960 1/	1959	1960 1/
				1,000	1,000
	Dollars	Dollars	Dollars	dollars	dollars
Oreg.	27.50	16.00		2,904	1,840

RED FESCUE SEED

: Season average price per 100 pounds :				Value of production	
State	received by farmers	1959	1960 1/	1959	1960 1/
				1,000	1,000
	Dollars	Dollars	Dollars	dollars	dollars
Idaho	24.00	19.00		60	28
Wash.	24.50	17.00		176	103
Oreg.	26.50	17.00		1,253	714
U. S.	26.10	17.10		1,489	845

TALL FESCUE (ALTA. & KY. 31) SEED

: Season average price per 100 pounds :				Value of production	
State	received by farmers	1959	1960 1/	1959	1960 1/
				1,000	1,000
	Dollars	Dollars	Dollars	dollars	dollars
Mo.	15.00	9.00		432	522
S. C.	16.00	14.50		296	287
Ga.	16.50	15.50		202	195
Ky.	16.50	11.00		1,320	1,386
Tenn.	16.50	11.00		491	416
Ala.	18.00	13.00		234	210
Miss.	19.00	12.50		61	64
Ark.	16.00	12.00		82	80
Okla.	12.00	10.50		18	20
Idaho	19.00	14.00		35	20
Wash.	19.00	14.50		8	6
Oreg.	18.00	12.50		486	344
U. S.	16.60	11.30		3,665	3,550

BENTGRASS SEED

: Season average price per 100 pounds :				Value of production	
State	received by farmers	1959	1960 1/	1959	1960 1/
				1,000	1,000
	Dollars	Dollars	Dollars	dollars	dollars
Wash.	36.00	40.00		34	15
Oreg.	22.00	28.00		1,467	1,417
U. S.	22.20	28.10		1,501	1,432

See Page 29 for footnotes.

SUDANGRASS SEED

State	Acreage harvested		Yield per acre		Production		clean seed	
	Average: 1959	1960	Average: 1959	1960	Average: 1959	1960	Average: 1959	1960
	: 1949-58:	: 1959	: 1949-58:	: 1959	: 1949-58:	: 1959	: 1,000	: 1,000
Nebr.	: 5,860	1,900	2,300	294	350	270	1,615	665
Kans.	: 4,950	3,600	4,500	282	330	370	1,419	1,188
Okla.	: 3,000	4,000	2,200	271	365	475	861	1,460
Texas	: 27,100	25,000	23,000	555	500	600	15,280	12,500
Colo.	: 39,800	16,000	26,000	284	290	300	12,425	4,640
N.Mex.	: 12,450	3,800	4,000	394	525	570	4,946	1,995
Calif.	: 15,250	10,000	11,000	1,090	1,580	1,600	17,054	15,800
U. S.	: 111,100	64,300	73,000	482	595	614	54,683	38,248
								44,811

SMOOTH BROMEGRASS SEED

State	Acreage harvested		Yield per acre		Production		clean seed	
	Average: 1959	1960	Average: 1959	1960	Average: 1959	1960	Average: 1959	1960
	: 1949-58:	: 1959	: 1949-58:	: 1959	: 1949-58:	: 1959	: 1,000	: 1,000
Iowa	: 14,100	7,000	11,000	166	155	165	2,519	1,085
Mo.	: 2/3,550	2,700	2,700	2/175	140	140	2/624	378
N.Dak.	: 5,770	2,000	3,000	128	80	90	787	160
S.Dak.	: 9,270	8,000	20,000	122	100	175	1,198	800
Nebr.	: 25,800	8,000	8,000	158	120	190	4,496	960
Kans.	: 23,300	12,000	22,000	174	130	180	4,431	1,560
U. S.	: 81,535	39,700	66,700	160	125	172	14,061	4,943
								11,443

CRESTED WHEATGRASS SEED

State	Acreage harvested		Yield per acre		Production		clean seed	
	Average: 1959	1960	Average: 1959	1960	Average: 1959	1960	Average: 1959	1960
	: 1949-58:	: 1959	: 1949-58:	: 1959	: 1949-58:	: 1959	: 1,000	: 1,000
N.Dak.	: 2,640	4,000	5,500	101	90	100	257	360
S.Dak.	: 7,050	5,000	13,000	68	60	75	559	300
Nebr.	: 8,280	4,000	4,000	98	55	75	902	220
Mont.	: 10,250	12,000	9,000	69	60	80	779	720
Idaho	: 5,360	3,500	2,500	93	70	50	482	245
Wyo.	: 3,370	10,000	1,200	86	90	70	305	900
U. S.	: 40,520	38,500	35,200	86	71	78	3,643	2,745
								2,754

See Page 29 for footnotes.

SUDANGRASS SEED

: Season average price per 100 pounds :			Value of production	
State	received by farmers		1959	1960
	1959	: 1960 I/	1959	1960 I/
	Dollars	Dollars	dollars	dollars
Nebr.	4.30	4.30	29	27
Kans.	3.90	4.00	46	67
Okla.	4.00	4.70	58	49
Texas	4.50	4.70	562	649
Colo.	4.00	4.20	186	328
N.Mex.	5.60	6.90	112	157
Calif.	5.60	6.20	885	1,091
U. S.	4.92	5.31	1,878	2,368

SMOOTH-BROMEGRASS SEED

: Season average price per 100 pounds :			Value of production	
State	received by farmers		1959	1960
	1959	: 1960 I/	1959	1960 I/
	Dollars	Dollars	dollars	dollars
Iowa	16.00	9.00	174	163
Mo.	15.00	10.00	57	38
N. Dak.	20.00	9.00	32	24
S. Dak.	15.00	9.00	120	315
Nebr.	16.00	9.50	154	144
Kans.	14.00	10.00	218	396
U. S.	15.30	9.45	755	1,080

CRESTED-WHEATGRASS SEED

: Season average price per 100 pounds :			Value of production	
State	received by farmers		1959	1960
	1959	: 1960 I/	1959	1960 I/
	Dollars	Dollars	dollars	dollars
N. Dak.	24.50	14.50	88	80
S. Dak.	20.00	13.50	60	132
Nebr.	23.00	17.50	51	52
Mont.	24.00	18.50	173	133
Idaho	28.00	23.00	69	29
Wyo.	20.50	16.00	184	13
U. S.	22.80	16.00	625	439

See Page 29 for footnotes.

AUSTRIAN WINTER PEAS

State	Acres harvested		Yield per acre		Production		clean seed	
	Average:	1959	Average:	1959	Average:	1959	Average:	1960
	1949-58:	1960	1949-58:	1959	1960	1949-58:	1959	1960
						1,000	1,000	1,000
	: Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds
Idaho	: 21,300	28,000	32,000	1,344	1,500	1,125	30,683	42,000
Wash.	: 7,170	500	600	1,047	850	850	8,300	425
Oreg.	: 25,700	8,000	7,600	952	750	920	25,350	6,000
U. S.	: 55,820	36,500	40,200	1,127	1,327	1,082	62,554	48,425
								43,502

CRIMSON-CLOVER SEED

State	Acres harvested		Yield per acre		Production		clean seed	
	Average:	1959	Average:	1959	Average:	1959	Average:	1960
	1949-58:	1960	1949-58:	1959	1960	1949-58:	1959	1960
						1,000	1,000	1,000
	: Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds
S.C.	: 4,800	2,500	2,000	135	125	140	658	312
Ga.	: 28,500	13,000	17,000	138	105	150	4,114	1,365
Tenn.	: 39,800	11,000	18,000	142	120	200	5,594	2,520
Ala.	: 29,700	13,000	19,000	137	120	150	4,240	1,560
Miss.	: 6,800	4,000	4,500	137	130	130	946	520
Ark.	: 4,480	5,000	4,500	212	150	190	944	750
Oreg.	: 5,850	15,000	21,000	343	430	380	2,102	6,450
U. S.	: 124,308	73,500	86,000	155	183	217	19,269	13,477
								18,700

LUPINE SEED

State	Acres harvested		Yield per acre		Production		clean seed	
	Average:	1959	Average:	1959	Average:	1959	Average:	1960
	1949-58:	1960	1949-58:	1959	1960	1949-58:	1959	1960
						1,000	1,000	1,000
	: Acres	Acres	Acres	Pounds	Pounds	Pounds	pounds	pounds
S.C.	: 8,150	4,500	3,000	934	800	750	7,212	3,600
Ga.	: 32,700	7,000	5,000	788	800	850	27,866	5,600
Fla.	: 10,180	1,000	700	444	500	500	4,799	500
Ala.	: 6,330	500	300	694	700	700	5,110	350
U. S.	: 57,360	13,000	9,000	727	773	784	44,987	10,050
								7,060

See Page 29 for footnotes.

MUSTARD SEED

<u>Kind</u> and <u>State</u>	<u>Acres harvested</u>		<u>Yield per acre</u>		<u>Production</u>				
	Average : 1949-58		Average: 1959 : 1960		Average: 1949-58: 1959 : 1960				
	<u>Acres</u>	<u>Acres</u>	<u>Acres</u>	<u>Pounds</u>	<u>Pounds</u>	<u>Pounds</u>	<u>pounds</u>	<u>pounds</u>	
Oriental									
Mont.	12,360	4,600	10,100	583	450	330	7,672	2,070	3,333
Total Oriental	12,360	4,600	10,100	583	450	330	7,672	2,070	3,333
Brown									
Mont.	4,190	7,400	16,600	478	570	320	2,014	4,218	5,312
Calif.	755	750	1,500	1,084	1,000	1,215	844	750	1,822
Total Brown	4,945	8,150	18,100	590	610	394	2,858	4,968	7,134
Yellow									
Mont.	13,890	36,000	50,800	536	340	210	7,305	12,240	10,668
Calif.	200	---	---	352	---	---	134	---	---
Total Yellow	3/14,520	36,000	50,800	3/ 532	340	210	3/7,536	12,240	10,668
All Mustard									
Mont.	30,440	48,000	77,500	541	386	249	16,991	18,528	19,313
Calif.	955	750	1,500	1,017	1,000	1,215	978	750	1,822
Total All Mustard	3/31,825	48,750	79,000	3/ 552	395	268	3/18,066	19,278	21,135

See Page 29 for footnotes.

MUSTARD SEED

Kind and State	Season average price per 100 pounds received by farmers	Value of production	
	1959	1959 1,000	1960 I/ 1,000
	<u>Dollars</u>	<u>Dollars</u>	<u>dollars</u>
<u>Oriental</u>			
Mont.	3.75	3.75	77.6
Total Oriental	3.75	3.75	77.6
<u>Brown</u>			
Mont.	3.85	4.25	162.4
Calif.	9.50	7.50	71.2
Total Brown	4.70	5.08	233.6
<u>Yellow</u>			
Mont.	5.60	5.70	685.4
Calif.	---	---	---
Total Yellow	5.60	5.70	685.4
<u>All Mustard</u>			
Mont.	4.99	4.97	925.4
Calif.	9.50	7.50	71.2
Total All Mustard	5.17	5.18	996.6
			1,095.5

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 1960 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.