



Seed Crops

U. S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

CROP REPORTING BOARD



1954

ANNUAL SUMMARY

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ACREAGE, YIELD, PRODUCTION,

SEASON AVERAGE PRICE

AND

VALUE OF PRODUCTION

By States

With Comparisons

ANNUAL STED CROP SUMMARY, December 1954

Crop Reporting Board, AMS, USDA

Kind of Seed	Acres	UNITED STATES:		Average Yield per acre	Production						
		Average harvested	1953								
	Acres			Pounds	Thousands			Pounds	Thousands		
Alfalfa	973,570	947	200	950,500	96	143	165	94,773	135,570	156,738	31,465
Red Clover	1,887,815	1,449,000	958,000	52	59	58	96,422	85,455	55,724	2,682	
Alsike Clover	112,760	62,300	49,400	131	194	164	14,497	12,057	8,101	4,495	
Sweetclover	289,480	227,300	248,000	148	151	152	43,207	34,341	37,810	2,402	
White Clover	35,600	28,700	24,000	100	91	100	3,603	2,609		3,837	
Ladino Clover	31,236	33,900	16,400	106	211	234	4,215	7,142		81,265	
Lespedeza	876,120	514,000	580,500	194	137	140	171,166	70,517			
Timothy	337,760	214,500	227,000	146	131	139	50,108	28,150			
Redtop	171,900	67,000	52,000	65	55	52	11,650	3,685			
Orchardgrass	53,030	50,000	22,900	163	186	196	8,814	9,285			
Kentucky Bluegrass	—	—	—	—	—	—	17,627	7,970		19,500	
Sudangrass	87,640	132,300	88,500	418	477	419	36,573	63,098		37,105	
Smooth Bromegrass	67,045	82,000	83,200	161	164	184	11,186	13,415		15,347	
Crested Wheatgrass	55,210	31,100	17,000	92	81	90	5,297	2,530		1,530	
Chewings Fescue	11,120	19,000	22,000	225	220	285	2,518	4,180		6,270	
Red Fescue	3,700	8,100	9,700	318	324	428	1,145	2,622		4,148	
Tall (Alta & Ky. 31) Fescue	54,533	128,600	109,200	211	217	222	11,422	27,867		24,223	
Bentgrass	11,260	14,900	15,400	128	207	196	1,448	3,077		3,025	
Austrian Winter Peas	74,950	28,500	39,000	1,090	1,090	1,031	83,572	32,525		40,200	
Crimson Clover	102,968	154,600	113,100	194	175	138	18,291	27,104		15,615	
Lupine	62,380	56,400	33,600	830	799	700	50,975	45,040		23,535	
Hairy Vetch	156,710	225,700	222,000	210	172	157	30,938	38,874		34,830	
Common & Willamette Vetch	67,710	26,300	16,200	449	709	584	30,489	18,640		9,460	
Purple Vetch	26,000	20,000	22,000	323	450	360	7,810	9,000		7,920	
Common Ryegrass	86,200	95,000	112,000	498	630	860	48,410	61,000		100,000	
Perennial Ryegrass	15,600	20,000	24,000	378	780	5,895	15,600			18,720	
Mustard	53,750	14,300	24,900	467	512	484	23,011	7,322		12,056	

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
WASHINGTON, D. C.

December 23, 1954

E R R A T A

Corrections to the Publication - Seed Crops 1954 Annual Summary, Pages 5 & 6

Alfalfa Seed - 1953 Crop

State	Acres	Yield	Production	Value of Production
	From : To	From : To	From : To	From : To
Washington	24,000 25,000	525 595	12,600 14,875	2,621 3,094
United States	947,200 948,200	143 145	135,570 137,845	31,072 31,545

Page 1 -- Line 1 Acres change 947,200 to 948,200, Yield change 143 to 145,
Production change 135,570 to 137,845.

Page 2 -- Line 3 change 761 to 764 million pounds.

Page 3 -- Line 2 change 135,570,000 to 137,845,000 pounds.

Line 10 change 947,200 to 948,200 acres.

Line 12 change 22 to 20 pounds.

ANNUAL SEED CROP SUMMARY

Crop Reporting Board, AMS, USDA

ACREAGE, PRODUCTION, AND VALUE OF SEED CROPS IN 1954

Production of 26 of the more important hay, pasture, lawn, and winter-cover crop seeds included in this report is estimated at 746 million pounds of clean seed, 2 percent less than the 761 million pounds produced in 1953, and 13 percent less than the 10-year average production. But because carry-over into 1954 was 35 percent less than a year earlier, the total supply (1954 production plus carry-over) for planting during the 1954-55 season is 14 percent less than that for the preceding season. The aggregate supply is 10 percent below average. Supplies are below average for red clover, white clover, lespedeza, timothy, redtop, Kentucky bluegrass, crested wheatgrass, Austrian Winter peas, and lupine. Seeds in large supply are: alfalfa, smooth bromegrass, Chewings, red, and tall fescue, bentgrass, hairy vetch, and the ryegrasses.

For the second consecutive year, hot, dry weather in many sections during the summer reduced supplies of forage to the extent that thousands of acres that normally would have been harvested for seed were cut for hay or were pastured. Production of 15 of the 26 seed crops is smaller than last year and 14 are below average. Alsike clover and redtop seed crops are the smallest on record, red clover seed is the smallest in 17 years and lespedeza seed second smallest in 18 years. But production in 1954 is record high for common and perennial ryegrass and Chewings and red fescue; alfalfa, smooth bromegrass, and bentgrass seed crops are second largest on record.

Yields per acre were mostly above last year, or above average. Exceptions are redtop, Austrian Winter peas, crimson clover, lupine, and hairy vetch, yields of which are below both last year and average. Generally, weather conditions for harvesting seed were quite favorable with the result that many of the year-end estimates are above earlier forecasts, particularly for the hay and pasture legumes and the grasses. Except for the ryegrasses, winter-cover crop seed production turned out less than forecast, mainly as a result of dry weather in the South and wet weather during harvest in Idaho and Oregon.

Movement of seed crops from farms has been faster than in 1953, with prices generally higher. Total value of 1954 seed production is estimated at 155.2 million dollars compared with 118.4 million dollars in 1953.

LEGUME SEEDS FOR HAY AND PASTURE: Production of the seven important hay and pasture legume seeds--alfalfa, red clover, alsike clover, sweetclover, white clover, Ladino clover, and lespedeza--totals 345,877,000 pounds. This is almost equal to last year's production, but 19 percent below average. A large increase in alfalfa seed production and a somewhat larger lespedeza seed harvest compared with 1953 are offset by sharp declines in red, alsike, and Ladino clover seed production.

The supply (production plus carry-over) of the hay and pasture legumes totals 479,663,000 pounds, 8 percent smaller than last year and 3 percent below average.

Alfalfa Seed: With a yield per acre topping the previous record set in 1953, the 1954 crop of alfalfa seed, estimated at 156,738,000 pounds of clean seed, is the second largest ever produced. It

ANNUAL SEED CROP SUMMARY

Crop Reporting Board, AMS, USDA

is 13 percent smaller than the record 1952 crop of 180,326,000 pounds but 16 percent larger than the 1953 crop of 135,570,000 pounds and 65 percent above the 1943-52 average of 94,773,000 pounds. Production of northern-grown seed and of certified seed of improved varieties grown in the southern-producing area but adapted for planting in many of the Northern States totals approximately 83 million pounds, compared with about 79 million pounds in 1953. Production in the Central zone is estimated at 35.8 million pounds, 25 percent more than in 1953 and 13 percent above average.

An estimated 950,500 acres of alfalfa seed were harvested in 1954. This is slightly larger than the 947,200 acres in 1953 but 2 percent below the average of 973,570 acres. The estimated record yield of 165 pounds per acre exceeds the previous record 1953 yield by 22 pounds and the average by 69 pounds.

Red-Clover Seed: The 1954 production of red-clover seed, estimated at 55,724,000 pounds, is the smallest in 17 years. It is 35 percent smaller than the 1953 crop of 85,455,000 pounds and 42 percent below the average of 96,422,000 pounds. Largest declines from last year occur in Kansas, Missouri, and Ohio.

It is estimated that 958,000 acres of red-clover seed were harvested in 1954, about a third less than a year earlier with 1,449,000 acres, and only half the average of 1,887,815 acres. The 1954 yield is estimated at 58 pounds, compared with 59 pounds in 1953 and the average of 52 pounds.

Alsike-Clover Seed: Production of alsike-clover seed in 1954, estimated at 8,101,000 pounds, is 33 percent smaller than the 1953 crop of 12,057,000 pounds and 44 percent below the average of 14,497,000 pounds. The 1954 crop in each of the 8 producing States, except Minnesota, is smaller than that of 1953.

An estimated 49,400 acres, smallest on record, was harvested, compared with 62,300 acres in 1953 and the average of 112,760 acres. The estimated 1954 yield of 164 pounds per acre compares with 194 pounds in 1953 and the average of 131 pounds.

Sweetclover Seed: The 1954 crop of sweetclover seed is estimated at 37,810,000 pounds, 10 percent larger than the 34,341,000 pounds produced in 1953 but 12 percent below the average of 43,207,000 pounds. Production in 9 of 16 States is larger than in 1953, with increases most marked in Oklahoma, Wyoming, Texas, and Montana.

The estimated 248,000 acres harvested are 9 percent larger than the 1953 harvest of 227,300 acres but are 14 percent below the average of 289,480 acres. The 1954 yield per acre is estimated at 152 pounds, compared with 151 pounds in 1953 and the average of 148 pounds.

Lespedeza Seed: Production of lespedeza seed is estimated at 81,265,000 pounds, second smallest crop in 18 years. It is 15 percent larger than the very small 1953 crop of 70,517,000 pounds but is 53 percent below the average of 171,166,000 pounds. Shortest crops compared with

the average occur in Oklahoma, Georgia, South Carolina, Kansas, and Mississippi.

An estimated 580,500 acres of lespedeza seed were harvested in 1954. This compares with 514,000 acres in 1953 and the average of 876,120 acres. The 1954 yield per acre is estimated at 140 pounds--3 pounds more than in 1953 but 54 pounds less than the average.

GRASS SEEDS FOR HAY PASTURE AND LAWNS: This year's production of 11 important grass seeds for

hay, pasture, and lawns--timothy, redtop, orchardgrass, Kentucky bluegrass, Sudangrass, smooth bromegrass, crested wheatgrass, Chewings, red, and tall fescue, and bentgrass--totals 149,790,000 pounds, 10 percent smaller than the 1953 production and 5 percent below average. Marked increases in timothy, Kentucky bluegrass, and Chewings and red fescue are largely responsible for the aggregate increase over the 1953 grass-seed crop. The summer's drought in central and southern portions of the United States drastically reduced the production of Sudangrass, orchardgrass, and redtop seeds. The redtop-seed crop is 77 percent smaller than average and orchardgrass seed 51 percent smaller, while Sudangrass-seed production is slightly larger than average although 41 percent smaller than the 1953 crop. The current season's yields per acre are about average or better for all seeds in this group except redtop seed.

The total supply (1954 production plus carry-over) of the grass-seed group--219.3 million pounds--is 4 percent less than a year earlier but slightly above average.

Timothy Seed: The 1954 production of timothy seed is estimated at 31,465,000 pounds, 12 percent more than the 28,150,000 pounds in 1953 but 37 percent below the average of 50,108,000 pounds.

The estimated 227,000 acres harvested in 1954 compare with the 214,500 acres in 1953 and the average of 337,760 acres. The 1954 yield per acre is estimated at 139 pounds, compared with 131 pounds in 1953 and the average of 146 pounds.

WINTER-COVER CROP SEEDS: Production of 8 important winter-cover crop seeds, including Austrian Winter peas, crimson clover, lupine, hairy vetch, common and Willamette vetch, purple vetch, and common and perennial ryegrass, totals 250,280,000 pounds. The current aggregate production is one percent larger than the 1953 crop but 9 percent smaller than average. Record crops of common and perennial ryegrass in Oregon more than offset sharply lower production of crimson clover, lupine, and common and Willamette vetch. The southern crop of crimson-clover seed was reduced by two years of dry weather, winter-kill, and diversions of acreage for forage needs. The reduction in vetch-seed production was caused by reduced acreage and lower yields stemming mainly from wet weather conditions during harvest in the Pacific Northwest.

Carry-over of winter cover-crop seeds into the 1954 crop was only 38 percent as large as in the preceding year. As a result, although production this year is slightly larger than in 1953, the supply is about a fourth less than a year ago and average.

ALFALFA SEED

State	Acreage harvested		Yield per acre		Production		clean seed		
	Average 1943-52	1953	1954	Average 1943-52	1953	1954	Average 1943-52	1953	1954
	Acres		Pounds				Thousands pounds		
Ohio	13,460	11,000	7,000	41	50	49	566	550	343
Mich.	47,900	26,000	19,000	38	40	38	1,881	1,040	722
Wis.	22,400	12,000	6,000	63	60	45	1,459	720	270
Minn.	49,600	24,000	22,000	49	35	40	2,448	840	880
N.Dak.	46,300	60,000	56,000	44	37	38	2,118	2,220	2,128
S.Dak.	80,000	140,000	140,000	53	45	65	4,366	6,300	9,100
Nebr.	109,700	223,000	92,000	71	90	85	8,400	11,070	7,820
Kans.	156,000	130,000	131,000	76	95	115	12,880	12,350	15,065
Okla.	96,400	42,000	70,000	101	92	125	9,900	3,864	8,750
Texas	19,460	26,000	24,000	130	110	120	2,528	2,860	2,880
Mont.	84,600	78,000	74,000	76	74	105	6,340	5,772	7,770
Idaho	27,500	27,000	28,000	106	185	170	3,150	4,995	4,760
Wyo.	19,300	25,000	22,000	73	180	140	1,426	4,500	3,080
Colo.	24,000	18,000	17,000	96	115	115	2,269	2,070	1,955
N.Mex.	8,550	4,700	6,000	176	275	295	1,480	1,292	1,770
Ariz.	42,900	27,000	32,000	172	200	190	7,400	5,400	6,080
Utah	46,500	45,000	50,000	130	230	200	6,480	10,350	10,000
Wash.	9,820	24,000	25,000	286	525	495	4,597	12,600	12,375
Oreg.	5,890	5,500	6,500	146	315	300	1,012	1,732	1,950
Calif.	48,800	99,000	123,000	230	455	480	13,520	45,045	59,040
U.S.	973,570	947,200	950,500	96	143	165	94,773	135,570	156,738

RED-CLOVER SEED

State	Acreage harvested		Yield per acre		Production		clean seed		
	Average 1943-52	1953	1954	Average 1943-52	1953	1954	Average 1943-52	1953	1954
	Acres		Pounds				Thousands pounds		
N.Y.	11,980	16,000	13,000	65	75	55	797	1,200	715
Pa.	34,400	56,000	27,000	47	58	55	1,639	3,248	1,485
Ohio	227,900	231,000	120,000	42	55	43	9,820	12,705	5,160
Ind.	214,300	141,000	75,000	40	47	40	8,581	6,627	3,000
Ill.	299,200	199,000	145,000	40	50	47	12,040	9,950	6,815
Mich.	180,700	176,000	176,000	52	65	58	9,640	11,440	10,208
Wis.	162,200	106,000	69,000	48	53	55	7,354	5,618	3,795
Minn.	98,300	70,000	70,000	60	58	75	5,913	4,060	5,250
Iowa	306,900	165,000	124,000	42	47	40	12,730	7,755	4,960
Mo.	164,500	125,000	40,000	61	55	50	10,090	6,875	2,000
Nebr.	35,300	44,000	18,000	46	35	45	1,600	1,540	810
Kans.	50,200	34,000	6,000	49	45	43	2,473	1,530	258
Md.	15,910	19,000	14,000	42	42	40	670	798	560
Va.	12,300	17,000	12,000	46	52	49	570	884	588
Ky.	19,200	12,000	12,000	62	56	55	1,225	672	660
Mont.	26,600	3,000	3,000	2/166	235	220	2/1,088	705	660
Idaho	30,150	19,000	15,000	258	355	345	7,712	6,745	5,175
Wash.	3,420	3,500	4,000	156	190	250	526	665	1,000
Oreg.	18,200	12,500	15,000	144	195	175	2,582	2,438	2,625
U.S.	1,887,815	1,449,000	958,000	52	59	58	96,422	85,455	55,724

See page 23 for footnotes.

ANNUAL SEED CROP SUMMARY, December 1954

Crop Reporting Board, AMS, USDA

ALFALFA SEED

State	:Season average price per 100 pounds: received by farmers 1953	1954 1/	Value of production 1953	1954 1/ Thousand dollars
				Dollars
Ohio	26.70	34.50	147	118
Mich.	26.60	45.50	277	329
Wis.	28.30	42.00	204	113
Minn.	22.00	36.50	185	321
N.Dak.	22.50	32.50	500	692
S.Dak.	20.80	32.50	1,310	2,958
Nebr.	21.00	31.00	2,325	2,424
Kans.	22.50	28.00	2,779	4,218
Okla.	23.40	26.50	904	2,319
Texas	24.70	25.50	706	734
Mont.	21.30	38.00	1,229	2,953
Idaho	22.00	42.00	1,099	1,999
Wyo.	22.00	37.50	990	1,155
Colo.	21.80	30.00	451	586
N.Mex.	21.90	28.00	283	496
Ariz.	21.20	27.00	1,145	1,642
Utah	21.20	38.00	2,194	3,800
Wash.	20.80	41.50	2,621	5,136
Oreg.	21.50	41.50	372	809
Calif.	25.20	37.50	11,351	22,140
U.S.	22.90	35.10	31,072	54,942

RED CLOVER SEED

State	:Season average price per 100 pounds: received by farmers 1953	1954 1/	Value of production 1953	1954 1/ Thousand dollars
				Dollars
N.Y.	25.50	40.00	306	286
Pa.	31.80	41.00	1,033	609
Ohio	24.20	43.00	3,075	2,219
Ind.	24.30	43.00	1,610	1,290
Ill.	26.00	41.00	2,587	2,794
Mich.	21.80	41.00	2,494	4,185
Wis.	26.00	45.00	1,461	1,708
Minn.	24.40	44.00	991	2,310
Iowa	25.90	45.00	2,009	2,232
Mo.	26.90	42.00	1,849	840
Nebr.	24.60	41.00	379	332
Kans.	25.20	41.00	386	106
Md.	31.00	42.00	247	235
Va.	33.40	43.00	295	253
Ky.	30.00	42.00	202	277
Mont.	25.70	53.00	181	350
Idaho	27.30	56.00	1,841	2,898
Wash.	28.50	55.00	190	550
Oreg.	28.00	56.00	683	1,470
U.S.	25.50	44.80	21,819	24,944

See page 2 for footnotes.

ALSIKE CLOVER SEED

	<u>Acreage harvested</u>		<u>Yield per acre</u>		<u>Production</u>	<u>Clean seed</u>	
State : Average	: 1953	: 1954	: Average:	1953 : 1954	: Average :	1953 : 1954	
	: 1943-52			: 1943-52		: 1943-52	
	<u>Acres</u>		<u>Pounds</u>		<u>Thousands</u>	<u>pounds</u>	
Ohio	17,100	8,500	5,500	70	75	60	1,255
Ill.	7,410	2,500	2,400	74	65	65	532
Mich.	10,600	3,000	2,000	62	60	50	642
Wis.	12,550	7,000	4,000	119	125	90	1,500
Minn.	28,750	15,000	17,000	110	120	125	3,245
Idaho	15,050	11,500	9,000	182	175	170	2,552
Oreg.	11,890	10,000	7,500	283	435	360	3,264
Calif.	3,000	4,800	2,000	357	425	400	1,131
U.S.	112,760	62,300	49,400	131	194	164	14,497
							12,057
							8,101

SWEETCLOVER SEED

	<u>Acreage harvested</u>		<u>Yield per acre</u>		<u>Production</u>	<u>Clean seed</u>	
State : Average	: 1953	: 1954	: Average:	1953 : 1954	: Average :	1953 : 1954	
	: 1943-52			: 1943-52		: 1943-52	
	<u>Acres</u>		<u>Pounds</u>		<u>Thousands</u>	<u>pounds</u>	
Ohio	12,160	16,000	15,000	124	180	180	1,526
Ind.	5,090	5,000	6,000	108	100	90	536
Ill.	21,800	11,000	12,000	83	100	85	1,846
Mich.	5,500	6,000	3,000	131	140	140	725
Minn.	50,200	36,000	40,000	187	220	200	9,336
Iowa	10,200	6,000	5,000	126	120	120	1,299
Mo.	10,240	3,600	2,500	120	135	160	1,215
N.Dak.	11,600	11,000	12,000	144	110	115	1,679
S.Dak.	14,100	12,000	21,000	149	150	115	2,136
Nebr.	31,150	31,000	24,000	135	165	140	4,401
Kans.	48,000	28,000	35,000	127	105	120	6,177
Okla.	2/30,250	7,000	16,000	2/101	70	85	2/3,160
Texas	2/69,250	41,000	45,000	2/189	140	205	2/12,975
Mont.	11,000	2,000	3,000	200	190	200	2,140
Idaho	2/3,000	700	---	2/350	200	---	2/1,050
Wyo.	4,500	3,000	4,500	175	200	320	846
Colo.	10,630	8,000	4,000	216	185	150	2,324
U. S.	289,480	227,300	248,000	148	151	152	43,207
							34,341
							37,810

See page 23 for footnotes.

ALSIKE CLOVER SEED

State	Season average price per 100 pounds:		Value of production	<u>1954</u>
	<u>received by farmers</u>	<u>1953</u>		
Ohio	19.90	22.50	127	74
Ill.	21.50	26.00	35	41
Mich.	18.80	24.00	34	24
Wis.	20.90	23.50	183	85
Minn.	17.00	23.00	306	489
Idaho	16.00	31.00	322	474
Oreg.	15.30	30.00	666	810
Calif.	15.30	30.00	312	240
U.S.	16.50	27.60	1,985	2,237

SWEETCLOVER SEED

State	Season average price per 100 pounds:		Value of production	<u>1954</u>
	<u>received by farmers</u>	<u>1953</u>		
Ohio	7.60	8.60	219	232
Ind.	9.00	9.90	45	53
Ill.	9.80	12.20	108	124
Mich.	8.20	10.00	69	42
Minn.	7.70	11.00	610	880
Iowa	9.00	11.30	65	68
Mo.	10.30	13.50	50	54
N.Dak.	8.60	11.00	104	152
S.Dak.	8.70	9.50	157	229
Nebr.	8.30	10.40	425	349
Kans.	8.80	10.00	259	420
Okla.	11.80	11.00	58	150
Texas	14.20	14.00	815	1,292
Mont.	8.50	11.30	32	68
Idaho	9.00	---	13	---
Wyo.	8.40	12.30	50	122
Colo.	8.50	11.00	126	66
U. S.	9.33	11.40	3,205	4,301

See page 23 for footnotes.

WHITE CLOVER SEED

	<u>Acreage harvested</u>		<u>Yield per acre</u>		<u>Production</u>	<u>Clean seed</u>	
State	Average: 1953 : 1943-52:		Average: 1954 : 1943-52:		Average: 1953 : 1943-52:		Average: 1954 : 1943-52:
Wis.	2,650	1,400	1,100	174	160	140	478
Ala.	2/6,475	7,600	5,500	2/73	55	60	2/488
Miss.	4,880	4,000	2,500	76	60	50	381
La.	12,040	9,500	10,000	50	33	64	629
Idaho	6,520	5,600	4,000	234	240	250	1,384
Oreg.	1,650	600	900	111	115	170	176
U.S.	35,600	28,700	24,000	100	91	100	3,603
	<u>Acres</u>		<u>Pounds</u>		<u>Thousand pounds</u>		

LADINO CLOVER SEED

	<u>Acreage harvested</u>		<u>Yield per acre</u>		<u>Production</u>	<u>Clean seed</u>	
State	Average: 1953 : 1943-52:		Average: 1954 : 1943-52:		Average: 1953 : 1943-52:		Average: 1954 : 1943-52:
Idaho	1,650	1,000	500	94	110	115	164
Wash.	2/687	900	300	2/187	125	150	2/131
Oreg.	10,760	8,000	1,600	110	130	190	1,478
Calif.	18,500	24,000	14,000	105	245	245	2,522
U.S.	31,236	33,900	16,400	106	211	234	4,215
	<u>Acres</u>		<u>Pounds</u>		<u>Thousand pounds</u>		

LESPEDEZA SEED

	<u>Acreage harvested</u>		<u>Yield per acre</u>		<u>Production</u>	<u>Clean seed</u>	
State	Average: 1953 : 1943-52:		Average: 1954 : 1943-52:		Average: 1953 : 1943-52:		Average: 1954 : 1943-52:
Ind.	21,860	10,000	11,000	191	100	145	4,080
Ill.	19,860	16,000	16,000	173	90	120	3,520
Mo.	266,700	127,000	216,000	186	75	130	50,700
Kans.	63,000	6,500	19,000	217	110	170	14,492
Md.	2/15,000	17,000	13,000	2/229	300	220	2/3,525
Va.	23,600	13,000	10,000	187	140	130	4,500
N.Car.	156,100	156,000	144,000	201	180	130	31,580
S.Car.	51,100	35,000	10,000	180	140	95	9,440
Ga.	52,900	42,000	8,000	178	155	85	9,640
Ky.	63,400	18,000	53,000	220	94	190	14,260
Tenn.	68,200	23,000	42,000	186	95	130	12,850
Ala.	12,200	16,000	9,000	162	125	100	2,000
Miss.	17,700	10,500	7,500	124	120	90	2,260
Ark.	35,000	21,000	21,000	204	190	225	7,600
Okla.	2/3,444	3,000	1,000	2/168	100	100	2/2,364
U.S.	876,120	514,000	580,500	194	137	140	171,166
	<u>Acres</u>		<u>Pounds</u>		<u>Thousand pounds</u>		

See page 23 for footnotes.

WHITE CLOVER SEED

State	Season average price per 100 pounds:		Value of production	
	1953 Dollars	1954 1/ Dollars	1953 Thousand dollars	1954 1/ Thousand dollars
Wis.	41.00	63.00	92	97
Ala.	46.00	59.00	192	195
Miss.	50.00	63.00	120	79
La.	49.00	63.00	154	403
Idaho	44.00	77.00	591	770
Oreg.	46.80	75.00	32	115
U.S.	45.30	69.10	1,181	1,659

LADINO CLOVER SEED

State	Season average price per 100 pounds:		Value of production	
	1953 Dollars	1954 1/ Dollars	1953 Thousand dollars	1954 1/ Thousand dollars
Idaho	36.50	46.00	40	27
Wash.	34.00	49.00	38	22
Oreg.	34.00	50.00	354	152
Calif.	33.00	52.00	1,940	1,784
U.S.	33.20	51.70	2,372	1,985

LESPEDEZA SEED

State	Season average price per 100 pounds :		Value of production	
	1953 Dollars	1954 1/ Dollars	1953 Thousand Dollars	1954 1/ Thousand Dollars
Ind.	18.20	18.00	182	287
Ill.	18.30	19.00	264	365
Mo.	17.70	18.50	1,686	5,195
Kans.	16.60	18.00	119	581
Md.	15.70	18.00	801	515
Va.	18.40	23.50	335	306
N.Car.	18.00	22.00	5,054	4,118
S.Car.	18.20	23.00	892	218
Ga.	18.70	24.00	1,217	163
Ky.	19.00	20.50	321	2,064
Tenn.	19.50	20.50	426	1,119
Ala.	21.30	26.00	426	234
Miss.	22.80	24.00	287	162
Ark.	18.20	23.00	726	1,087
Okla.	18.70	22.00	56	22
U.S.	18.10	20.20	12,792	16,436

See page 23 for footnotes.

TIMOTHY SEED

	<u>Acreage harvested</u>	<u>Yield per acre</u>	<u>Production = clean seed</u>
State	Average: 1953 : 1943-52:	Average: 1954 : 1943-52:	Average: 1953 : 1954 : 1953 : 1954
Pa.	6,000	4,500	4,000 111 100 125 670 450 500
Ohio	55,200	32,000	29,000 128 115 135 7,190 3,680 3,915
Ind.	14,470	8,000	8,000 112 105 110 1,665 840 880
Ill.	22,800	14,000	12,000 111 100 95 2,570 1,400 1,140
Wis.	12,400	12,000	11,000 122 115 120 1,610 1,380 1,320
Minn.	21,590	12,000	13,000 155 150 170 3,493 1,800 2,210
Iowa	132,500	57,000	50,000 166 175 160 22,960 9,975 8,000
Mo.	72,800	75,000	100,000 135 115 135 9,950 8,625 13,500
U.S.	337,760	214,500	227,000 146 131 139 50,108 28,150 31,465

REDTOP SEED

	<u>Acreage harvested</u>	<u>Yield per acre</u>	<u>Production = clean seed</u>
State	Average : 1953 : 1943-52:	Average: 1954 : 1943-52:	Average: 1953 : 1954 : 1953 : 1954
Ill.	121,000	35,000	34,000 59 55 54 7,550 1,925 1,836
Mo.	2/56,556	32,000	18,000 2/78 55 47 2/4,556 1,760 846
U.S.	171,900	67,000	52,000 65 55 52 11,650 3,685 2,682

ORCHARDGRASS SEED

	<u>Acreage harvested</u>	<u>Yield per acre</u>	<u>Production = clean seed</u>
State	Average: 1953 : 1943-52:	Average: 1954 : 1943-52:	Average: 1953 : 1954 : 1953 : 1954
Mo.	9,730	18,000	5,400 166 195 175 1,644 3,510 945
Va.	19,500	13,000	10,000 176 225 250 3,520 2,925 2,500
Ky.	23,800	19,000	7,500 152 150 140 3,650 2,850 1,050
U.S.	53,030	50,000	22,900 163 186 196 8,814 9,285 4,495

See page 23 for footnote.

TIMOTHY SEED

State	Season average price per 100		Value of production	
	pounds received by farmers	1953 : 1954 17 Dollars	1953 : 1954 17 Thousand dollars	
Pa.	15.60	18.10	70	90
Ohio	13.10	18.40	482	720
Ind.	11.50	17.90	97	158
Ill.	12.40	19.10	174	218
Wis.	11.50	16.50	159	218
Minn.	10.90	16.60	196	367
Iowa	12.30	17.70	1,227	1,416
Mo.	12.50	17.10	1,078	2,308
U.S.	12.40	17.50	3,483	5,495

REDTOP SEED

State	Season average price per 100		Value of production	
	pounds received by farmers	1953 : 1954 17 Dollars	1953 : 1954 17 Thousand dollars	
Ill.	55.00	58.00	1,059	1,065
Mo.	47.00	53.00	827	418
U.S.	51.20	56.40	1,886	1,513

ORCHARDGRASS SEED

State	Season average price per 100		Value of production	
	pounds received by farmers	1953 : 1954 17 Dollars	1953 : 1954 17 Thousand dollars	
Mo.	14.30	28.30	502	267
Va.	10.10	23.70	295	592
Ky.	15.60	30.50	445	320
U.S.	15.40	26.20	1,242	1,179

See page 23 for footnotes.

KENTUCKY BLUEGRASS SEED

State	Production		Cured Seed
	Average	1953	1954
	1943-52		
Thousand Pounds			
Wis.	552	520	135
Minn.	5,550	3,070	5,510
Iowa	8,834	4,440	2,180
Mo.	6,150	4,320	11,080
N.Dak.	2,455	1,160	5,360
S.Dak.	3,954	920	14,115
Nebr.	6,964	1,380	3,250
Kans.	467	1,430	2,260
Other	195	250	1,160
Total Western District	35,121	17,490	45,050
Ky.	5,699	6,680	7,680
U.S.	40,820	24,170	52,730

KENTUCKY BLUEGRASS SEED

State	Season Average Price Per 100 pounds Cured Seed Received by Farmers		Value of Production	
	1953	1954 1/	1953	1954 1/
<u>Dollars</u>				
Wis.	13.90	12.30	72.3	16.6
Minn.	15.10	11.60	463.6	639.2
Iowa	16.50	16.00	732.6	348.8
Mo.	15.70	15.70	678.2	1,739.6
N. Dak.	14.30	11.20	165.9	600.3
S. Dak.	18.20	11.60	167.4	1,637.3
Nebr.	17.00	15.00	234.6	487.5
Kans.	13.20	14.50	188.8	327.7
Other	13.40	13.30	33.5	154.3
Total Western District	15.60	13.20	2,736.9	5,951.3
Ky.	15.00	19.10	1,002.0	1,466.9
U.S.	15.50	14.10	3,738.9	7,418.2

See footnote page 23.

SUDANGRASS SEED

State	Acreage harvested			Yield per acre			Production - clean seed		
	Average:		1953	Average:		1954	Average:		1953
	1943-52			1943-52		1953	1943-52		1954
			Acres				Pounds	Thousand Pounds	
Nebr.	5,080	7,500	7,000	382	275	270	1,992	2,062	1,890
Kans.	6,870	5,300	4,500	305	220	250	2,167	1,166	1,125
Okla.	4,480	2,000	1,000	252	275	180	1,156	550	180
Tex.	29,600	28,000	18,000	471	600	500	13,535	16,800	9,000
Colo.	16,600	52,000	31,000	296	330	250	5,011	17,160	7,750
N.Mex.	13,250	16,000	12,000	316	350	300	4,322	5,600	3,600
Oreg.	3,250	3,500	2,000	480	400	280	1,560	1,400	560
Calif.	8,510	18,000	13,000	774	1,020	1,000	6,830	18,360	13,000
U.S.	87,640	132,300	88,500	418	477	419	36,573	63,098	37,105

SMOOTH-BROMEGRASS SEED

CRESTED-WHEATGRASS SEED

State	Acreage harvested			Yield per acre			Production - clean seed		
	Average:		Average:	Average:		Average:	Average:		1954
	1943-52	1953	1954	1943-52	1953	1954	1943-52	1953	1954
N.Dak.	5,370	1,600	1,000	80	150	170	456	240	170
S.Dak.	13,200	8,000	3,500	83	75	70	1,370	600	245
Nebr.	8,190	7,500	3,000	126	100	130	1,022	750	390
Mont.	16,600	10,000	7,000	71	70	75	1,413	700	525
Wyo.	6,100	4,000	2,500	78	60	80	488	240	200
U.S.	55,210	31,100	17,000	92	81	90	5,297	2,530	1,530

See page 23 for footnotes.

SUDANGRASS SEED

State	:Season average price per 100 pounds:		Value of production	
	received by farmers	1953	1954 1/	1953
	<u>Dollars</u>		<u>Thousand dollars</u>	
Nebr.	5.20	8.20	107	155
Kans.	5.20	8.50	61	96
Okla.	5.60	8.50	31	15
Texas	5.60	9.20	941	828
Colo.	4.70	8.60	807	666
N.Mex.	5.30	9.00	297	324
Oreg.	3.50	7.50	49	42
Calif.	5.40	9.00	991	1,170
U.S.	5.20	8.88	3,284	3,296

SMOOTH-BROMEGRASS SEED

State	:Season average price per 100 pounds:		Value of production	
	received by farmers	1953	1954 1/	1953
	<u>Dollars</u>		<u>Thousand dollars</u>	
Iowa	12.50	11.00	281	224
N.Dak.	8.50	8.10	56	41
S.Dak.	9.60	9.10	84	55
Nebr.	12.00	11.50	594	574
Kans.	12.50	11.00	585	792
U.S.	11.90	11.00	1,600	1,686

CRESTED-WHEATGRASS SEED

State	:Season average price per 100 pounds:		Value of production	
	received by farmers	1953	1954 1/	1953
	<u>Dollars</u>		<u>Thousand dollars</u>	
N.Dak.	12.00	15.50	29	26
S.Dak.	13.00	17.50	78	43
Nebr.	12.50	17.00	94	66
Mont.	19.00	17.00	133	89
Wyo.	18.00	17.50	43	35
U.S.	14.90	16.90	377	259

See page 23 for footnotes.

ANNUAL SEED CROP SUMMARY, December 1954 . . . Crop Reporting Board, AMS, USDA

CHEWING FESCUE SEED

	Acreage harvested		Yield per acre		Production	clean seed
State	Average	: 1953	: 1954	: Average	: 1953	: 1954
	: 1943-52	: 1943-52	: 1943-52	: 1943-52	: 1943-52	: 1943-52
	Acres		Pounds		Thousands	pounds
Oreg.	10,950	19,000	22,000	224	220	285
					2,478	4,180
					6,270	

RED FESCUE SEED

	Acreage harvested		Yield per acre		Production	clean seed
State	Average	: 1953	: 1954	: Average	: 1953	: 1954
	: 1943-52	: 1943-52	: 1943-52	: 1943-52	: 1943-52	: 1943-52
	Acres		Pounds		Thousands	pounds
Idaho	2/167	800	1,200	2/395	280	350
Wash.	2/640	1,300	1,500	2/326	575	525
Oreg.	3,330	6,000	7,000	314	275	420
U.S.	3,700	8,100	9,700	318	324	428
					1,145	2,622
					4,148	

TALL FESCUE (ALTA & KY. 31) SEED

	Acreage harvested		Yield per acre		Production	clean seed
State	Average	: 1953	: 1954	: Average	: 1953	: 1954
	: 1943-52	: 1943-52	: 1943-52	: 1943-52	: 1943-52	: 1943-52
	Acres		Pounds		Thousands	pounds
Mo.	2/5,400	8,000	10,000	2/170	200	200
So. Car.	2/16,000	7,000	10,000	2/127	165	180
Ga.	2/16,750	17,000	13,000	2/200	200	200
Ky.	2/32,640	32,000	29,000	2/223	240	250
Tenn.	2/13,875	13,000	12,500	2/175	190	215
Ala.	2/7,850	9,000	7,000	2/155	180	195
Miss.	2/6,325	5,500	3,500	2/118	135	140
Ark.	2/3,425	7,500	5,000	2/134	175	200
Okla.	2/2,900	6,000	5,000	2/168	120	120
Idaho	2/2,775	4,400	1,500	2/284	290	390
Wash.	2/1,000	1,200	700	2/346	410	350
Oreg.	13,090	18,000	12,000	233	300	300
U.S.	54,533	128,600	109,200	211	217	222
					11,422	27,867
					24,223	

BENTGRASS SEED

	Acreage harvested		Yield per acre		Production	clean seed
State	Average	: 1953	: 1954	: Average	: 1953	: 1954
	: 1943-52	: 1943-52	: 1943-52	: 1943-52	: 1943-52	: 1943-52
	Acres		Pounds		Thousands	pounds
Wash.	2/2,500	1,900	1,900	2/76	80	100
Oreg.	10,260	13,000	13,500	132	225	210
U.S.	11,260	14,900	15,400	128	207	196
					1,448	3,077
					3,025	

See page 23 for footnotes.

CHEWINGS FESCUE SEED

State	Season average price per 100		Value of production	
	pounds received by farmers	1953	1954 1/	1953
	Dollars		Thousand dollars	
Oreg.	43.00	25.00	1,797	1,568

RED FESCUE SEED

State	Season average price per 100		Value of production	
	pounds received by farmers	1953	1954 1/	1953
	Dollars		Thousand dollars	
Idaho	40.00	24.00	90	101
Wash.	40.00	25.00	299	197
Oreg.	42.00	25.00	693	735
U.S.	41.30	24.90	1,082	1,033

TALL FESCUE (ALTA & KY. 31) SEED

State	Season average price per 100		Value of production	
	pounds received by farmers	1953	1954 1/	1953
	Dollars		Thousands	dollars
Mo.	13.00	15.50	208	310
So. Car.	13.00	15.70	150	283
Ga.	13.50	15.70	459	408
Ky.	13.00	15.80	998	1,146
Tenn.	11.50	14.00	284	376
Ala.	12.50	14.00	202	191
Miss.	12.50	13.50	93	66
Ark.	12.00	14.20	157	142
Okla.	12.50	13.00	90	78
Idaho	11.50	17.20	147	101
Wash.	11.50	17.00	57	42
Oreg.	11.90	16.80	643	605
U.S.	12.50	15.50	3,488	3,748

BENTGRASS SEED

State	Season average price per 100		Value of production	
	pounds received by farmers	1953	1954 1/	1953
	Dollars		Thousands	dollars
Wash.	64.00	70.00	97	133
Oreg.	61.00	54.00	1,284	1,531
U.S.	61.10	55.00	1,881	1,664

See page 23 for footnotes.

AUSTRIAN WINTER PEAS

Acreage harvested				Yield per acre				Production = clean seed			
State	Average:	1953	1954	Average:	1953	1954	Average:	1953	1954	1953	1954
	1943-52			1943-52			1943-52			1943-52	
	Acres				Pounds			Thousand pounds			
Idaho	28,060	6,500	12,000	1,269	350	1,250	37,500	5,525	15,000		
Wash.	11,620	2,000	3,000	1,127	1,000	1,200	13,130	2,000	3,600		
Oreg.	29,000	20,000	24,000	984	1,250	900	29,210	25,000	21,600		
U.S.	74,950	28,500	39,000	1,090	1,141	1,031	83,572	32,525	40,200		

CRIMSON-CLOVER SEED

LUPINE SEED

State	Acreage harvested		Yield per acre		Production clean seed				
	Average:		Average:		Average:				
	1943-52	1953	1954	1943-52	1953	1954			
	Acres		Pounds		Thousands	pounds			
S.C.	2/10,800	2,400	2,100	2/1,042	1,100	850	2/9,860	2,640	1,785
Ga.	36,320	43,000	24,000	854	850	750	31,710	36,550	18,000
Fla.	11,620	10,000	7,000	643	500	500	6,485	5,000	3,500
Ala.	9,040	1,000	500	892	850	500	7,850	850	250
U.S.	62,380	56,400	33,600	830	799	700	50,975	45,040	23,535

See page 23 for footnotes.

AUSTRIAN WINTER PEAS

-----: Season average price per 100 pounds:

State	received by farmers	Value of production			
		1953	1954 1/	1953	1954 1/
	Dollars	Thousand dollars			
Idaho	2.75	2.60		152	390
Wash.	3.00	2.70		60	97
Oreg.	2.60	2.40		650	518
U.S.	2.65	2.50		862	1,005

CRIMSON-CLOVER SEED

-----: Season average price per 100 pounds:

State	received by farmers	Value of production			
		1953	1954 1/	1953	1954 1/
	Dollars	Thousand dollars			
S.C.	16.60	20.90		145	169
Ga.	17.40	21.00		1,070	1,076
Tenn.	13.00	17.20		1,398	514
Ala.	18.30	19.40		937	598
Miss.	18.00	21.60		270	242
Ark.	16.40	19.50		184	136
Texas	20.90	24.30		100	85
Oreg.	15.60	16.50		172	238
U.S.	15.80	19.60		4,276	3,058

LUPINE SEED

-----: Season average price per 100 pounds:

State	received by farmers	Value of production			
		1953	1954 1/	1953	1954 1/
	Dollars	Thousand dollars			
S.C.	2.75	3.50		73	62
Ga.	3.15	4.00		1,151	720
Fla.	4.75	4.90		238	172
Ala.	3.20	4.40		27	11
U.S.	3.31	4.10		489	965

See footnote page 23.

HAIRY VETCH

Acreage harvested			Yield per acre		Production - clean seed			
State	Average: 1943-52:	1953	Average: 1943-52:	1954	Average: 1943-52:	1953	Average: 1943-52:	1954
Ark.	16,810	29,000	29,000	180	140	185	3,040	4,060
Okla.	2,116,250	70,000	105,000	2,114	80	105	2,16,825	5,600
Tex.	2,45,571	65,000	52,000	2,149	120	145	2,6,186	7,800
Wash.	1,980	1,700	1,000	323	420	400	606	714
Ore.	58,700	60,000	35,000	271	345	300	16,078	20,700
U.S.	156,710	225,700	222,000	210	172	157	30,938	38,874
							34,830	

COMMON AND WILLAMETTE VETCH

Acreage harvested			Yield per acre		Production - clean seed			
State	Average: 1943-52:	1953	Average: 1943-52:	1954	Average: 1943-52:	1953	Average: 1943-52:	1954
Wash.	1,760	300	200	575	800	800	1,109	240
Ore.	65,000	25,000	15,000	446	720	600	29,060	18,000
Calif.	2,1,900	1,000	1,000	2,350	400	300	2,640	400
U.S.	67,710	26,300	16,200	449	709	584	30,489	18,640
							9,460	

PURPLE VETCH

Acreage harvested			Yield per acre		Production - clean seed			
State	Average: 1943-52:	1953	Average: 1943-52:	1954	Average: 1943-52:	1953	Average: 1943-52:	1954
Calif.	26,000	20,000	22,000	323	450	360	7,810	9,000

ALL VETCH

Acreage harvested			Yield per acre		Production - clean seed			
State	Average: 1943-52:	1953	Average: 1943-52:	1954	Average: 1943-52:	1953	Average: 1943-52:	1954
U.S.	250,420	272,000	260,200				69,237	66,514

COMMON RYEGRASS

Acreage harvested			Yield per acre		Production - clean seed			
State	Average: 1943-52:	1953	Average: 1943-52:	1954	Average: 1943-52:	1953	Average: 1943-52:	1954
Ore.	86,200	95,000	112,000	498	630	860	48,2410	3,61,000

PERENNIAL RYEGRASS

Acreage harvested			Yield per acre		Production - clean seed			
State	Average: 1943-52:	1953	Average: 1943-52:	1954	Average: 1943-52:	1953	Average: 1943-52:	1954
Ore.	15,600	20,000	24,000	378	780	780	5,895	15,600

ALL RYEGRASS

Acreage harvested			Yield per acre		Production - clean seed			
State	Average: 1943-52:	1953	Average: 1943-52:	1954	Average: 1943-52:	1953	Average: 1943-52:	1954
U.S.	101,800	115,000	136,000				54,305	76,000

See page 23 for footnotes.

HAIRY VETCH

State	Season average price per 100 pounds:		Value of production		
	received by farmers	1953	1954 1/	1953	1954 1/
	Dollars		Thousands dollars		
Ark.	12.50	12.00	508	644	
Oklahoma	13.00	11.00	728	1,213	
Texas	12.00	11.50	936	867	
Wash.	10.50	10.50	75	42	
Oreg.	10.80	10.60	2,236	1,113	
U.S.	11.50	11.10	4,483	3,879	

COMMON AND WILLAMETTE VETCH

State	Season average price per 100 pounds:		Value of production		
	pounds received by farmers	1953	1954 1/	1953	1954 1/
	Dollars		Thousands dollars		
Wash.	4.10	4.70	10	8	
Oreg.	4.15	4.80	747	432	
Calif.	5.00	4.50	20	14	
U.S.	4.17	4.80	777	454	

State	Season average price per 100 pounds:		Value of production		
	received by farmers	1953	1954 1/	1953	1954 1/
	Dollars		Thousands dollars		
Calif.	5.20	4.50	468	356	

ALL VETCH

	Dollars		Thousands dollars
U.S.	---	---	5,844 4,631

COMMON RYEGRASS

State	Season average price per 100 pounds:		Value of production		
	received by farmers	1953	1954 1/	1953	1954 1/
	Dollars		Thousands dollars		
Oreg.	8.90	7.00	5,429	7,000	

PERENNIAL RYEGRASS

State	Season average price per 100 pounds:		Value of production		
	received by farmers	1953	1954 1/	1953	1954 1/
	Dollars		Thousands dollars		
Oreg.	11.60	13.50	1,810	2,527	

ALL RYEGRASS

	Dollars		Thousands dollars
U.S.	---	---	7,239 9,527

See page 23 for footnotes.

MUSTARD SEED

Kind and State	Acres 1943-52	Harvested 1953	Yield per Acre Average: 1943-52	Production 1953
	Acres	Pounds	Thousands pounds	
Oriental 5/				
Mont.	15,640	3,900	6,600	536 540 600 8,029 2,106 3,96
Total				
Oriental	6/15,680	3,900	6,600	6/536 540 600 6/8,033 2,106 3,96
Brown				
Mont.	5,480	3,500	4,900	464 420 400 2,180 1,470 1,96
Calif.	1,760	500	390	764 1,260 1,360 1,347 630 53
Total Brown	6/ 7,700	4,000	5,290	6/545 525 471 6/3,633 2,100 2,49
Yellow				
Mont.	26,480	6,200	13,000	438 480 430 10,262 2,976 5,59
Calif.	460	200	10	595 700 1,600 247 140 1
Total Yellow	6/30,370	6,400	13,010	6/422 487 431 6/11,345 3,116 5,60
All Mustard				
Mont.	47,600	13,600	24,500	470 482 470 20,471 6,552 11,52
Calif.	2,220	700	400	693 1,100 1,365 1,594 770 51
Total	All Mustard		6/53,750	14,300 24,900 6/467 512 484 6/23,011 7,322 12,09

1/Preliminary.

2/Short-time average.

3/Includes 1,150,000 pounds screened from other crops.

4/Includes 3,680,000 pounds screened from other crops.

5/Yellow seeded form of Brown Mustard.

6/Includes other States prior to 1953.

MUSTARD SEED

Kind and State	Season	Average Price per 100 pounds:	Value of Production	
	Received by Farmers 1953	1954 1/ Dollars	1953	1954 1/ Thousand Dollars
Oriental 5/ Mont.	4.40	3.90	92.7	154.4
Total Oriental	4.40	3.90	92.7	154.4
Brown				
Mont.	4.00	4.10	70.6	80.4
Calif.	10.50	10.70	66.2	56.7
Total Brown	6.51	5.51	136.8	137.1
Yellow				
Mont.	7.00	6.00	208.3	335.4
Calif.	9.00	9.00	12.6	1.4
Total Yellow	7.09	6.01	220.9	336.8
All Mustard				
Mont.	5.67	4.95	371.6	570.2
Calif.	10.20	10.60	78.8	58.1
Total All Mustard	6.15	5.21	450.4	628.3

See page 23 for footnotes.