
SEED CROPS

Preliminary 1981



Crop
Reporting
Board

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SEED CROPS - PRELIMINARY 1981

U.S. alfalfa seed production totaled 115 million pounds (52.1 thousand metric tons) in 1981, up 13 percent from a year earlier, and the most in 10 years. Western States produced bumper crops of seed; while the Great Plains States had poor results. Acres for harvest continued a four-year downward trend to 370 thousand acres (150 thousand hectares), losing 14 percent in 1981. Only California harvested more acreage than last year. Seed yield hit a record 311 pounds per acre, 73 pounds above last year. Farm value of \$122 million was the highest ever, in spite of a \$6 per hundredweight drop in price.

The Oregon ryegrass seed crop produced 250 million pounds (114 thousand metric tons) of seed in 1981, down 6 percent from 1980. Annual varieties totaling 184 million pounds (83.5 thousand metric tons) were off 10 percent; while perennial ryegrass seed output of 66.2 million pounds (30.0 thousand metric tons) gained 5 percent from the previous year. Growers received \$58.2 million for ryegrass seed in 1981, nearly one-fourth more than the previous year.

Annual ryegrass estimates have been revised for 1979 and 1980 to reflect changes in both production and stocks.

Production of Kentucky bluegrass seed increased 16 percent to 58.2 million pounds (26.4 thousand metric tons) in 1981. Each of the major producing States obtained higher production than last year. In the Northwest, proprietary production including merion jumped 14 percent to 21.4 million pounds; while common and public varieties gained 5 percent to 32.4 million pounds.

Tall fescue seed production rebounded from 1980 drought conditions to a total of 111 million pounds (50.3 thousand metric tons) harvested in 1981. This is a gain of 41 percent over 1980 and comes about because of increases in each of the Southern producing States. Only Oregon failed to produce a larger crop than in 1980. Area for harvest at 409 thousand acres (165 thousand hectares) jumped 31 percent from 1980. Stronger prices pushed farm value to a record \$27.7 million.

Red clover seed output in 1981 fell to 17.1 million pounds (7780 metric tons), 32 percent short of last year and the lowest level since records began in 1919. Area harvested at 132 thousand acres (53.5 thousand hectares) was down 41 percent.

The U.S. tables in this publication present totals for harvested area, yield, production, price, value, and carryover. Import and export data are from customs records of the Census Bureau, U.S. Department of Commerce, and are available for only the specific seeds shown in the tables.

Season average prices shown in this report are estimates of average prices received by producers for that part of the crop sold. The average price is for clean seed before cleaning and marketing charges are deducted. U.S. prices are obtained by weighting State prices by annual sales. This may differ slightly from the average obtained if the value of production is divided by the quantity produced.

AREA HARVESTED, YIELD, PRODUCTION, PRICE AND VALUE, SELECTED SEED CROPS,
UNITED STATES, 1979-81
(DOMESTIC UNITS)

FIELD SEED	AREA HARVESTED			YIELD			PRODUCTION-CLEAN SEED		
	1979	1980	1981	1979	1980	1981	1979	1980	1981
	ACRES			POUNDS			1,000 POUNDS		
ALFALFA	497,000	429,000	370,000	202	238	311	100,235	102,140	114,955
RED CLOVER	240,100	224,700	132,300	112	112	130	26,733	25,230	17,147
LADINO CLOVER	12,500	8,400	6,600	275	345	325	3,438	2,898	2,145
LESPEDEZA	57,100	33,900	37,800	220	158	204	12,552	5,373	7,708
TIMOTHY	76,500	62,000	62,500	245	131	276	18,715	8,115	17,240
ORCHARDGRASS	22,500	27,700	24,800	665	606	421	14,935	16,785	10,430
KENTUCKY BLUEGRASS, ALL	89,900	98,200	107,900	407	509	539	36,570	50,031	58,208
PUBLIC AND COMMON <u>1/</u>	49,500	51,000	51,000	436	604	635	21,533	30,805	32,375
PROPRIETARY <u>1/</u>	24,400	34,200	34,900	404	549	614	9,867	18,771	21,433
CHEWINGS FESCUE	13,500	16,000	17,000	630	670	570	8,505	10,720	9,690
RED FESCUE	10,000	10,000	10,500	520	600	550	5,200	6,000	5,775
TALL FESCUE	354,000	312,000	408,500	283	252	272	100,165	78,630	110,950
BENTGRASS	18,000	18,000	18,000	250	340	400	4,500	6,120	7,200
CRIMSON CLOVER	10,000	9,000	10,000	460	325	600	4,600	2,925	6,000
HAIRY VETCH	10,000	8,000	8,000	500	310	400	5,000	2,480	3,200
ALL RYEGRASS <u>2/</u>	189,000	188,000	189,000	1,354	1,421	1,324	255,950	267,200	250,220
ANNUAL	129,000	120,000	115,000	1,600	1,700	1,600	206,400	204,000	184,000
PERENNIAL <u>3/</u>	60,000	68,000	74,000	826	929	895	49,550	63,200	66,220
SEASON AVERAGE PRICE RECEIVED									
BY FARMERS PER 100 POUNDS									
	1979	1980	1981	1979	1980	1981	VALUE OF PRODUCTION		
	DOLLARS			1,000 DOLLARS					
ALFALFA	114.00	113.00	107.00	113,115	114,652	122,133			
RED CLOVER	62.60	65.20	72.40	16,461	16,176	12,123			
LADINO CLOVER	145.00	136.00	154.00	4,985	3,941	3,303			
LESPEDEZA	34.70	49.20	41.90	4,307	2,628	3,180			
TIMOTHY	34.30	50.20	20.60	6,415	4,049	3,564			
ORCHARDGRASS	44.50	45.10	50.00	6,658	7,553	5,214			
KENTUCKY BLUEGRASS, ALL	79.60	58.30	54.20	29,094	29,149	31,562			
PUBLIC AND COMMON <u>1/</u>	77.20	51.60	42.60	16,667	15,890	13,783			
PROPRIETARY <u>1/</u>	84.40	69.10	73.00	8,331	12,966	15,645			
CHEWINGS FESCUE	72.00	66.00	60.00	6,124	7,075	5,814			
RED FESCUE	74.00	70.00	62.00	3,848	4,200	3,581			
TALL FESCUE	21.70	23.40	25.00	21,776	18,374	27,710			
BENTGRASS	190.00	112.00	78.00	8,550	6,854	5,616			
CRIMSON CLOVER	50.00	49.00	42.00	2,300	1,433	2,520			
HAIRY VETCH	38.00	35.00	38.00	1,900	868	1,216			
ALL RYEGRASS <u>2/</u>	16.30	17.50	23.30	41,829	46,765	58,210			
ANNUAL	9.80	11.00	16.00	20,227	22,440	29,440			
PERENNIAL <u>3/</u>	43.60	38.50	43.40	21,602	24,325	28,770			

1/ NORTHWEST STATES ONLY.

2/ OREG ONLY.

3/ INCLUDES MIXTURES OF ANNUAL AND PERENNIAL.

AREA HARVESTED, YIELD, PRODUCTION, PRICE AND VALUE, SELECTED SEED CROPS,
UNITED STATES, 1979-81
(METRIC UNITS)

FIELD SEED	AREA HARVESTED			YIELD			PRODUCTION-CLEAN SEED		
	1979	1980	1981	1979	1980	1981	1979	1980	1981
	HECTARES			METRIC TONS					
ALFALFA	201 130	173 610	149 740	0.226	0.267	0.348	45 470	46 330	52 140
RED CLOVER	97 170	90 930	53 540	0.125	0.126	0.145	12 150	11 440	7 780
LADINO CLOVER	5 060	3 400	2 670	0.308	0.388	0.363	1 560	1 320	970
LESPEDEZA	23 110	13 720	15 300	0.247	0.178	0.229	5 700	2 440	3 500
TIMOTHY	30 960	25 090	25 290	0.274	0.147	0.309	8 490	3 680	7 820
ORCHARDGRASS	9 110	11 210	10 040	0.745	0.679	0.471	6 790	7 610	4 730
KENTUCKY BLUEGRASS, ALL	36 380	39 740	43 670	0.456	0.571	0.605	16 590	22 690	26 400
PUBLIC AND COMMON <u>1/</u>	20 030	20 640	20 640	0.489	0.677	0.712	9 790	13 970	14 690
PROPRIETARY <u>1/</u>	9 870	13 840	14 120	0.454	0.615	0.688	4 480	8 510	9 720
CHEWINGS FESCUE	5 460	6 480	6 880	0.707	0.750	0.640	3 860	4 860	4 400
RED FESCUE	4 050	4 050	4 250	0.583	0.672	0.616	2 360	2 720	2 620
TALL FESCUE	143 260	126 260	165 320	0.317	0.283	0.304	45 430	35 670	50 330
BENTGRASS	7 280	7 280	7 280	0.280	0.382	0.449	2 040	2 780	3 270
CRIMSON CLOVER	4 050	3 640	4 050	0.516	0.365	0.672	2 090	1 330	2 720
HAIRY VETCH	4 050	3 240	3 240	0.560	0.346	0.448	2 270	1 120	1 450
ALL RYEGRASS <u>2/</u>	76 490	76 080	76 490	1.518	1.593	1.484	116 100	121 200	113 500
ANNUAL	52 210	48 560	46 540	1.793	1.905	1.793	93 620	92 530	83 460
PERENNIAL <u>3/</u>	24 280	27 520	29 950	0.926	1.042	1.003	22 480	28 670	30 040
	SEASON AVERAGE PRICE RECEIVED			VALUE OF PRODUCTION					
	BY FARMERS PER METRIC TON								
	1979	1980	1981	1979	1980	1981	1979	1980	1981
	DOLLARS			1,000 DOLLARS					
ALFALFA	2 513.27	2 491.22	2 358.95	113 115	114 652	122 133			
RED CLOVER	1 380.09	1 437.41	1 596.15	16 461	16 176	12 123			
LADINO CLOVER	3 196.70	2 998.29	3 395.12	4 985	3 941	3 303			
LESPEDEZA	765.00	1 084.67	923.74	4 307	2 628	3 180			
TIMOTHY	756.19	1 106.72	454.15	6 415	4 049	3 564			
ORCHARDGRASS	981.07	994.28	1 102.31	6 658	7 563	5 214			
KENTUCKY BLUEGRASS, ALL	1 754.88	1 285.29	1 194.91	29 094	29 149	31 562			
PUBLIC AND COMMON <u>1/</u>	1 701.97	1 137.58	939.17	16 667	15 890	13 783			
PROPRIETARY <u>1/</u>	1 860.70	1 523.39	1 609.37	8 331	12 966	15 645			
CHEWINGS FESCUE	1 587.33	1 455.06	1 322.77	6 124	7 075	5 814			
RED FESCUE	1 631.42	1 543.24	1 366.87	3 848	4 200	3 581			
TALL FESCUE	478.40	515.88	551.16	21 776	18 374	27 710			
BENTGRASS	4 188.78	2 469.18	1 719.61	8 550	6 854	5 616			
CRIMSON CLOVER	1 102.31	1 080.26	925.94	2 300	1 433	2 520			
HAIRY VETCH	837.76	771.62	837.76	1 900	868	1 216			
ALL RYEGRASS <u>2/</u>	359.35	385.81	513.68	41 829	46 765	58 210			
ANNUAL	216.05	242.51	352.74	20 227	22 440	29 440			
PERENNIAL <u>3/</u>	961.22	848.78	956.81	21 602	24 325	28 770			

1/ NORTHWEST STATES ONLY.

2/ OREG ONLY.

3/ INCLUDES MIXTURES OF ANNUAL AND PERENNIAL.

CARRYOVER, IMPORTS, SUPPLY, EXPORTS, AND DISAPPEARANCE, SELECTED SEED CROPS,
UNITED STATES, 1979-81
(DOMESTIC UNITS)

FIELD SEED	CARRYOVER JUN 30									PRODUCTION PLUS CARRYOVER		
	FARM 1/			DEALER			TOTAL					
	1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981
1,000 POUNDS												
ALFALFA	5,907	8,646	8,871	28,640	31,520	34,710	34,547	40,166	43,581	134,782	142,306	158,536
RED CLOVER	6,103	4,278	4,399	10,160	11,410	9,200	16,263	15,688	13,599	43,056	40,918	30,746
LADINO CLOVER	0	0	0	2,090	2,070	500	2,090	2,070	500	5,528	4,968	2,645
LESPEDEZA	882	2,238	481	3,440	3,010	1,600	4,322	5,248	2,081	16,884	10,621	9,789
TIMOTHY	774	1,945	1,493	3,980	6,660	7,500	4,754	8,605	8,993	23,469	16,720	26,233
ORCHARDGRASS	104	53	426	3,000	3,890	3,850	3,104	3,943	4,276	18,069	20,728	14,706
KENTUCKY BLUEGRASS, ALL	2,299	2,241	2,445	15,810	14,340	18,730	18,109	16,581	21,175	54,679	66,612	79,383
PUBLIC AND COMMON	2,285	1,704	1,601	11,920	10,410	10,310	14,205	12,114	11,911	35,788	42,919	44,286
PROPRIETARY 2/	14	537	844	3,890	3,930	8,420	3,904	4,467	9,264	13,771	23,238	30,697
CHEWINGS FESCUE	162	851	214	810	1,400	1,480	972	2,251	1,694	9,477	12,971	11,384
RED FESCUE	650	52	60	5,300	4,060	2,400	5,950	4,112	2,460	11,150	10,112	8,235
TALL FESCUE	21,358	14,020	755	30,240	24,000	8,400	51,598	38,020	9,155	151,763	116,650	120,105
BENTGRASS	124	225	796	580	600	1,050	704	825	1,846	5,204	6,945	9,046
CRIMSON CLOVER	189	46	29	720	980	460	909	1,026	489	5,509	3,951	6,489
HAIRY VETCH	0	50	25	1,460	2,180	1,680	1,460	2,230	1,705	6,460	4,710	4,905
ALL RYEGRASS	33,833	37,648	13,514	34,330	38,060	36,140	68,163	75,708	49,654	324,113	342,908	299,874
ANNUAL	33,015	37,152	12,240	20,260	27,000	25,000	53,275	64,152	37,240	259,675	268,152	221,240
PERENNIAL 3/	818	496	1,274	14,070	11,060	11,140	14,888	11,556	12,414	64,438	74,756	78,634
1,000 POUNDS												
	IMPORTS 4/			TOTAL SUPPLY 4/ 5/			EXPORTS 4/			TOTAL DISAPPEARANCE 4/ 6/		
	1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981
ALFALFA	59	85	NA	134,841	142,391	NA	19,707	20,051	NA	94,675	98,810	NA
RED CLOVER	2,928	10,687	NA	45,984	51,605	NA	1,596	1,448	NA	30,296	38,006	NA
LADINO CLOVER	0	0	NA	5,528	4,968	NA	1,942	1,735	NA	3,458	4,468	NA
LESPEDEZA	0	0	NA	16,884	10,621	NA	NA	NA	NA	11,636	8,540	NA
TIMOTHY	1,191	1,827	NA	24,660	18,547	NA	6,016	3,948	NA	16,055	9,554	NA
ORCHARDGRASS	31	5	NA	18,100	20,733	NA	3,450	3,325	NA	14,157	16,457	NA
KENTUCKY BLUEGRASS, ALL	764	13	NA	55,443	66,625	NA	6,109	12,158	NA	38,862	45,450	NA
PUBLIC AND COMMON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROPRIETARY 2/	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHEWINGS FESCUE	15	NA	NA	9,492	NA	NA	NA	NA	NA	7,241	NA	NA
RED FESCUE	13,350	8,318	NA	24,500	18,430	NA	NA	NA	NA	20,388	15,970	NA
TALL FESCUE	30	NA	NA	151,793	NA	NA	6,788	6,107	NA	113,773	NA	NA
BENTGRASS	24	48	NA	5,228	6,993	NA	4,180	5,066	NA	4,403	5,147	NA
CRIMSON CLOVER	1	0	NA	5,510	3,951	NA	NA	NA	NA	4,484	3,462	NA
HAIRY VETCH	7	0	NA	6,467	4,710	NA	NA	NA	NA	4,237	3,005	NA
ALL RYEGRASS	312	320	NA	324,425	343,228	NA	28,962	36,431	NA	248,717	293,574	NA
ANNUAL	199	NA	NA	259,874	NA	NA	22,882	28,984	NA	195,722	NA	NA
PERENNIAL 3/	113	NA	NA	64,551	NA	NA	6,080	7,447	NA	52,995	NA	NA

1/ INCLUDES GROWER OWNED SEED STORED IN DEALER WAREHOUSES. 2/ INCLUDES MERION. 3/ INCLUDES MIXTURES OF ANNUAL AND PERENNIAL.
4/ CROP YEAR BEGINNING JUL 1. 5/ THE SUM OF PRODUCTION, CARRYOVER, AND IMPORTS. 6/ TOTAL SUPPLY LESS CARRYOVER FOLLOWING
YEAR. INCLUDES EXPORTS AND DOMESTIC USE. NA=NOT AVAILABLE.

CARRYOVER, IMPORTS, SUPPLY, EXPORTS, AND DISAPPEARANCE, SELECTED SEED CROPS,
UNITED STATES, 1979-81
(METRIC UNITS)

FIELD SEED	CARRYOVER JUN 30									PRODUCTION PLUS CARRYOVER		
	FARM 1/			DEALER			TOTAL					
	1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981
	METRIC TONS											
ALFALFA	2 680	3 920	4 020	12 990	14 300	15 740	15 670	18 220	19 760	61 140	64 550	71 900
RED CLOVER	2 770	1 940	2 000	4 610	5 180	4 170	7 380	7 120	6 170	19 530	18 560	13 950
LADINO CLOVER	0	0	0	950	940	230	950	940	230	2 510	2 260	1 200
LESPEDEZA	400	1 020	220	1 560	1 370	730	1 960	2 390	950	7 660	4 830	4 450
TIMOTHY	350	880	680	1 810	3 020	3 400	2 160	3 900	4 080	10 650	7 580	11 900
ORCHARDGRASS	50	20	190	1 360	1 760	1 750	1 410	1 780	1 940	8 200	9 390	6 670
KENTUCKY BLUEGRASS, ALL	1 040	1 020	1 110	7 170	6 500	8 500	8 210	7 520	9 610	24 800	30 210	36 010
PUBLIC AND COMMON	1 040	770	730	5 410	4 720	4 680	6 450	5 490	5 410	16 240	19 460	20 100
PROPRIETARY 2/	10	240	380	1 760	1 780	3 820	1 770	2 020	4 200	6 250	10 530	13 920
CHEWINGS FESCUE	70	390	100	370	640	670	440	1 030	770	4 300	5 890	5 160
RED FESCUE	290	20	30	2 400	1 840	1 090	2 690	1 860	1 120	5 050	4 580	3 740
TALL FESCUE	9 690	6 360	340	13 720	10 890	3 810	23 410	17 250	4 150	68 840	52 920	54 480
BENTGRASS	60	100	360	260	270	480	320	370	840	2 360	3 150	4 110
CRIMSON CLOVER	90	20	10	330	440	210	420	460	220	2 510	1 790	2 940
HAIRY VETCH	0	20	10	660	990	760	660	1 010	770	2 930	2 130	2 220
ALL RYEGRASS	15 350	17 080	6 130	15 570	17 260	16 390	30 920	34 340	22 520	147 020	155 540	136 020
ANNUAL	14 980	16 850	5 550	9 190	12 250	11 340	24 170	29 100	16 890	117 790	121 630	100 350
PERENNIAL 3/	370	220	580	6 380	5 020	5 050	6 750	5 240	5 630	29 230	33 910	35 670
	IMPORTS 4/			TOTAL SUPPLY 4/ 5/			EXPORTS 4/			TOTAL DISAPPEARANCE 4/ 6/		
	1979	1980	1981	1979	1980	1981	1979	1980	1981	1979	1980	1981
	METRIC TONS											
ALFALFA	30	40	NA	61 170	64 590	NA	8 940	9 090	NA	42 950	44 830	NA
RED CLOVER	1 330	4 850	NA	20 860	23 410	NA	720	660	NA	13 740	17 240	NA
LADINO CLOVER	0	0	NA	2 510	2 260	NA	880	790	NA	1 570	2 030	NA
LESPEDEZA	0	0	NA	7 660	4 830	NA	NA	NA	NA	5 270	3 880	NA
TIMOTHY	540	830	NA	11 190	8 410	NA	2 730	1 790	NA	7 290	4 330	NA
ORCHARDGRASS	10	0	NA	8 210	9 390	NA	1 560	1 510	NA	6 430	7 450	NA
KENTUCKY BLUEGRASS, ALL	350	10	NA	25 150	30 220	NA	2 770	5 510	NA	17 630	20 610	NA
PUBLIC AND COMMON	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PROPRIETARY 2/	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHEWINGS FESCUE	10	NA	NA	4 310	NA	NA	NA	NA	NA	3 280	NA	NA
RED FESCUE	6 060	3 770	NA	11 110	8 350	NA	NA	NA	NA	9 250	7 230	NA
TALL FESCUE	10	NA	NA	68 850	NA	NA	3 080	2 770	NA	51 600	NA	NA
BENTGRASS	10	20	NA	2 370	3 170	NA	1 900	2 300	NA	2 000	2 330	NA
CRIMSON CLOVER	0	0	NA	2 510	1 790	NA	NA	NA	NA	2 050	1 570	NA
HAIRY VETCH	0	0	NA	2 930	2 130	NA	NA	NA	NA	1 920	1 360	NA
ALL RYEGRASS	140	150	NA	147 160	155 690	NA	13 140	16 520	NA	112 820	133 170	NA
ANNUAL	90	NA	NA	117 880	NA	NA	10 380	13 150	NA	88 780	NA	NA
PERENNIAL 3/	50	NA	NA	29 280	NA	NA	2 760	3 380	NA	24 040	NA	NA

1/ INCLUDES GROWER OWNED SEED STORED IN DEALER WAREHOUSES. 2/ INCLUDES MERION. 3/ INCLUDES PROPRIETARY AND OTHER PERENNIAL AND MIXTURES OF ANNUAL AND PERENNIAL. 4/ CROP YEAR BEGINNING JUL 1. 5/ THE SUM OF PRODUCTION, CARRYOVER, AND IMPORTS. 6/ TOTAL SUPPLY LESS CARRYOVER FOLLOWING YEAR. INCLUDES EXPORTS AND DOMESTIC USE. NA=NOT AVAILABLE.

ALFALFA SEED

STATE	AREA HARVESTED			YIELD PER ACRE			PRODUCTION-CLEAN SEED		
	1979	1980	1981	1979	1980	1981	1979	1980	1981
	ACRES			POUNDS			1,000 POUNDS		
CALIF	80,000	78,000	94,000	435	520	580	34,800	40,560	54,520
IDAHO	42,000	36,000	34,000	385	395	475	16,170	14,220	16,150
KANS	43,000	64,000	35,000	95	100	90	4,085	6,400	3,150
MONT	42,000	35,000	34,000	140	120	135	5,880	4,200	4,590
NEBR	27,000	33,000	25,000	65	75	70	1,755	2,475	1,750
NEV	18,000	17,000	17,000	405	450	600	7,290	7,650	10,200
N DAK <u>1/</u>	6,000	4,000		45	40		270	160	
OKLA	45,000	55,000	40,000	125	125	85	5,625	6,875	3,400
OREG	14,000	13,000	12,000	300	350	415	4,200	4,550	4,980
S DAK	130,000	60,000	50,000	55	70	55	7,150	4,200	2,750
UTAH	17,000	13,000	13,000	280	245	285	4,760	3,185	3,705
WASH	33,000	21,000	16,000	250	365	610	8,250	7,665	9,760
TOTAL ABOVE STATES	497,000	429,000	370,000	202	238	311	100,235	102,140	114,955
	SEASON AVERAGE PRICE RECEIVED						VALUE OF		
	BY FARMERS PER 100 POUNDS						PRODUCTION		
	1979	1980	1981	1979	1980	1981			
	DOLLARS						1,000 DOLLARS		
CALIF	120.00	125.00	114.00	41,760	50,700	62,153			
IDAHO	126.00	125.00	115.00	20,374	17,775	18,573			
KANS	81.00	75.00	68.50	3,309	4,800	2,158			
MONT	85.00	90.00	75.00	4,998	3,780	3,443			
NEBR	82.00	79.00	72.00	1,439	1,955	1,260			
NEV	130.00	120.00	110.00	9,477	9,180	11,220			
N DAK <u>1/</u>	96.50	98.00		261	157				
OKLA	83.00	76.00	73.50	4,669	5,225	2,499			
OREG	123.00	119.00	97.00	5,166	5,415	4,831			
S DAK	89.50	78.00	70.00	6,399	3,276	1,925			
UTAH	104.00	105.00	90.00	4,950	3,344	3,335			
WASH	125.00	118.00	110.00	10,313	9,045	10,736			
TOTAL ABOVE STATES	114.00	113.00	107.00	113,115	114,652	122,133			

1/ ESTIMATES DISCONTINUED IN 1981.

RED CLOVER SEED

STATE	AREA HARVESTED			YIELD PER ACRE			PRODUCTION-CLEAN SEED		
	1979	1980	1981	1979	1980	1981	1979	1980	1981
	ACRES			POUNDS			1,000 POUNDS		
IDAHO	5,200	4,000	2,800	280	345	355	1,456	1,380	994
ILL	35,000	36,000	15,000	80	85	65	2,800	3,060	975
IND	15,000	18,000	11,000	65	80	70	975	1,440	770
IOWA	13,000	10,000	7,000	90	90	75	1,170	900	525
KANS	6,000	6,000	3,500	80	75	85	480	450	298
KY	3,200	5,000	2,800	65	75	70	208	375	196
MICH	26,000	16,000	16,000	95	95	95	2,470	1,520	1,520
MINN	30,000	30,000	17,000	95	100	100	2,850	3,000	1,700
MO	26,000	22,000	6,000	90	80	75	2,340	1,760	450
NEBR ^{1/}	2,200	2,000		70	85		154	170	
N Y	4,000	10,000	5,000	90	85	90	360	850	450
OHIO	15,000	17,000	10,000	65	75	70	975	1,275	700
OREG	29,000	25,000	18,000	220	240	350	6,380	6,000	6,300
PA	8,000	10,000	9,000	70	70	75	560	700	675
WASH	8,500	5,700	2,200	310	300	470	2,635	1,710	1,034
WIS	14,000	8,000	7,000	70	80	80	980	640	560
U S	240,100	224,700	132,300	112	112	130	26,793	25,230	17,147
	SEASON AVERAGE PRICE RECEIVED BY FARMERS PER 100 POUNDS			VALUE OF PRODUCTION					
	1979	1980	1981	1979	1980	1981			
	DOLLARS			1,000 DOLLARS					
IDAHO	74.50	79.50	89.00	1,085	1,097	885			
ILL	63.00	64.50	65.00	1,764	1,974	634			
IND	52.00	56.00	65.00	507	806	501			
IOWA	58.00	63.50	65.00	679	572	341			
KANS	52.00	58.00	70.00	250	261	209			
KY	71.50	71.00	69.00	149	266	135			
MICH	49.00	53.00	52.50	1,210	806	798			
MINN	55.00	55.50	62.50	1,568	1,665	1,063			
MO	57.50	59.50	62.00	1,346	1,047	279			
NEBR ^{1/}	63.00	58.00		97	99				
N Y	57.50	61.00	76.00	207	519	342			
OHIO	55.50	49.00	55.00	541	625	385			
OREG	65.00	70.00	75.00	4,147	4,200	4,725			
PA	59.00	59.00	60.00	330	413	405			
WASH	76.00	84.50	103.00	2,003	1,445	1,065			
WIS	59.00	59.50	63.50	578	381	356			
U S	62.60	65.20	72.40	16,461	16,176	12,123			

^{1/} ESTIMATES DISCONTINUED IN 1981.

LESPEDEZA SEED

STATE	AREA HARVESTED			YIELD PER ACRE			PRODUCTION-CLEAN SEED		
	1979	1980	1981	1979	1980	1981	1979	1980	1981
	ACRES			POUNDS			1,000 POUNDS		
ARK	2,400	1,500	1,600	375	310	275	900	465	440
ILL	2,200	2,000	1,500	160	145	160	352	290	240
IND	2,500	2,000	1,400	210	200	200	525	400	280
KANS	10,000	5,000	7,000	230	130	245	2,300	650	1,715
KY	6,800	1,700	2,800	210	180	225	1,428	306	630
MO	13,000	9,000	9,000	205	185	225	2,665	1,665	2,025
N C	2,700	1,200	1,000	170	145	165	459	174	165
S C	8,500	4,500	6,500	235	75	125	1,998	338	813
TENN	9,000	7,000	7,000	215	155	200	1,935	1,085	1,400
U S	57,100	33,900	37,800	220	158	204	12,562	5,373	7,708
	SEASON AVERAGE PRICE RECEIVED						VALUE OF PRODUCTION		
	BY FARMERS PER 100 POUNDS								
	1979	1980	1981	1979	1980	1981	1979	1980	1981
	DOLLARS						1,000 DOLLARS		
ARK	37.00	63.00	50.00	333	293	220			
ILL	35.00	39.50	40.00	123	115	96			
IND	20.00	32.00	34.00	105	128	95			
KANS	20.50	36.50	25.50	472	237	437			
KY	53.00	55.00	54.00	757	168	340			
MO	21.50	36.50	21.50	573	608	435			
N C	50.00	60.00	62.00	230	104	102			
S C	48.00	86.00	1/86.00	959	291	699			
TENN	39.00	63.00	54.00	755	684	756			
U S	34.70	49.20	41.90	4,307	2,628	3,180			

1/ VALUE OF PRODUCTION FOR 1981 WAS DERIVED USING 1980 SEASON AVERAGE PRICE SINCE SALES DATA FOR THE 1981 CROP ARE INSUFFICIENT FOR ESTIMATING A 1981 SEASON AVERAGE PRICE.

LESPEDEZA SEED: PRODUCTION BY SPECIES

YEAR AND STATE	KOREAN		STRIATE, KOBE		SERICEA		OTHER		TOTAL	
	PCT	1,000 LBS	PCT	1,000 LBS	PCT	1,000 LBS	PCT	1,000 LBS	PCT	1,000 LBS
1979:										
ARK			100.0	900					100.0	900
ILL	85.0	299	15.0	53					100.0	352
IND	100.0	525							100.0	525
KANS	93.0	2,139	2.0	46	1.0	23	4.0	92	100.0	2,300
KY	4.0	57	91.0	1,300	5.0	71			100.0	1,428
MO	84.0	2,239	16.0	426					100.0	2,665
N C	5.0	23	30.0	138	65.0	298			100.0	459
S C			1.0	20	98.0	1,958	1.0	20	100.0	1,998
TENN	5.0	97	80.0	1,548	15.0	290			100.0	1,935
U S	42.8	5,379	35.3	4,431	21.0	2,640	.9	112	100.0	12,562
1980:										
ARK	2.0	9	98.0	456					100.0	465
ILL	95.0	275	5.0	15					100.0	290
IND	100.0	400							100.0	400
KANS	72.0	468	8.0	52			20.0	130	100.0	650
KY	25.0	76	75.0	230					100.0	306
MO	97.0	1,615	3.0	50					100.0	1,665
N C	15.0	26	36.0	63	38.0	66	11.0	19	100.0	174
S C					99.0	335	1.0	3	100.0	338
TENN	5.0	54	80.0	868	15.0	163			100.0	1,085
U S	54.4	2,923	32.3	1,734	10.5	564	2.8	152	100.0	5,373
1981:										
ARK			100.0	440					100.0	440
ILL	90.0	216	10.0	24					100.0	240
IND	100.0	280							100.0	280
KANS	92.0	1,578	5.0	86			3.0	51	100.0	1,715
KY	16.0	101	66.0	416	18.0	113			100.0	630
MO	85.0	1,721	15.0	304					100.0	2,025
N C	22.0	36	25.0	41	42.0	70	11.0	18	100.0	165
S C			1.0	8	96.0	781	3.0	24	100.0	813
TENN	2.0	28	72.0	1,008	26.0	364			100.0	1,400
U S	51.4	3,960	30.2	2,327	17.2	1,328	1.2	93	100.0	7,708

TIMOTHY SEED

STATE	AREA HARVESTED			YIELD PER ACRE			PRODUCTION-CLEAN SEED		
	1979	1980	1981	1979	1980	1981	1979	1980	1981
	ACRES			POUNDS			1,000 POUNDS		
ILL	4,000	4,000	3,500	130	130	120	520	520	420
MINN	56,000	42,000	50,000	275	115	310	15,400	4,830	15,500
MO	8,000	7,000	3,000	190	170	120	1,520	1,190	360
OHIO	8,500	9,000	6,000	150	175	160	1,275	1,575	960
TOTAL ABOVE STATES	76,500	62,000	62,500	245	131	276	18,715	8,115	17,240
	SEASON AVERAGE PRICE RECEIVED BY FARMERS PER 100 POUNDS			:			VALUE OF PRODUCTION		
	1979	1980	1981	1979	1980	1981			
	DOLLARS						1,000 DOLLARS		
ILL	35.00	42.50	21.00	182	221	88			
MINN	34.00	52.50	20.50	5,236	2,536	3,178			
MO	37.50	49.00	21.50	570	583	77			
OHIO	33.50	45.00	23.00	427	709	221			
TOTAL ABOVE STATES	34.30	50.20	20.60	6,415	4,049	3,564			

ALL KENTUCKY BLUEGRASS SEED

STATE	AREA HARVESTED			YIELD PER ACRE ^{1/}			PRODUCTION-CLEAN SEED		
	1979	1980	1981	1979	1980	1981	1979	1980	1981
	ACRES			POUNDS			1,000 POUNDS		
IDAHO	27,000	30,500	27,000	347	446	554	9,375	13,610	14,955
OREG	22,000	25,500	29,000	556	694	680	12,238	17,700	19,730
WASH	24,900	29,200	29,900	395	626	640	9,837	18,266	19,123
TOTAL N W	73,900	85,200	85,900	426	582	626	31,450	49,576	53,808
OTH STS	16,000	13,000	22,000	320	35	200	5,120	455	4,400
U S	89,900	98,200	107,900	407	509	539	36,570	50,031	58,208
	SEASON AVERAGE PRICE RECEIVED BY FARMERS PER 100 POUNDS ^{1/}			:			VALUE OF PRODUCTION		
	1979	1980	1981	1979	1980	1981			
	DOLLARS						1,000 DOLLARS		
IDAHO	77.20	56.10	59.80	7,234	7,636	8,936			
OREG	83.50	65.80	56.70	10,214	11,642	11,189			
WASH	76.80	52.40	48.60	7,550	9,578	9,303			
TOTAL N W	79.50	58.20	54.70	24,998	28,856	29,428			
OTH STS	80.00	64.50	48.50	4,096	293	2,134			
U S	79.60	58.30	54.20	29,094	29,149	31,562			

^{1/} YIELDS AND PRICES DERIVED.

KENTUCKY BLUEGRASS SEED--PUBLIC AND COMMON VARIETIES 1/

STATE	AREA HARVESTED			YIELD PER ACRE			PRODUCTION-CLEAN SEED		
	1979	1980	1981	1979	1980	1981	1979	1980	1981
	ACRES			POUNDS			1,000 POUNDS		
IDAHO	16,000	17,000	15,000	390	475	565	6,240	8,075	8,475
OREG	10,500	9,000	10,000	585	720	700	6,143	6,480	7,000
WASH	23,000	25,000	26,000	400	650	650	9,200	16,250	16,900
TOTAL N W	49,500	51,000	51,000	436	604	635	21,583	30,805	32,375
	SEASON AVERAGE PRICE RECEIVED BY FARMERS PER 100 POUNDS						VALUE OF PRODUCTION		
	1979	1980	1981	1979	1980	1981	1979	1980	1981
	DOLLARS						1,000 DOLLARS		
IDAHO	79.00	50.00	43.50	4,930	4,038	3,687			
OREG	75.00	55.00	38.00	4,607	3,564	2,660			
WASH	77.50	51.00	44.00	7,130	8,288	7,436			
TOTAL N W	77.20	51.60	42.60	16,667	15,890	13,783			

1/ EXCLUDES MERION.

KENTUCKY BLUEGRASS SEED--PROPRIETARY VARIETIES 1/

STATE	AREA HARVESTED			YIELD PER ACRE			PRODUCTION-CLEAN SEED		
	1979	1980	1981	1979	1980	1981	1979	1980	1981
	ACRES			POUNDS			1,000 POUNDS		
IDAHO	11,000	13,500	12,000	285	410	540	3,135	5,535	6,480
OREG	11,500	16,500	19,000	530	680	670	6,095	11,220	12,730
WASH	1,900	4,200	3,900	335	480	570	637	2,016	2,223
TOTAL N W	24,400	34,200	34,900	404	549	614	9,867	18,771	21,433
	SEASON AVERAGE PRICE RECEIVED BY FARMERS PER 100 POUNDS						VALUE OF PRODUCTION		
	1979	1980	1981	1979	1980	1981	1979	1980	1981
	DOLLARS						1,000 DOLLARS		
IDAHO	73.50	65.00	81.00	2,304	3,598	5,249			
OREG	92.00	72.00	67.00	5,607	8,078	8,529			
WASH	66.00	64.00	84.00	420	1,290	1,867			
TOTAL N W	84.40	69.10	73.00	8,331	12,966	15,645			

1/ ANY VARIETY OVER WHICH A PERSON, COMPANY, PARTNERSHIP, CORPORATION, SOCIETY, OR ASSOCIATION HAS CONTROL OR OWNERSHIP OF THE PRODUCTION AND RESALE OF SEED STOCK AND COMMERCIAL SEED OF THE VARIETY. INCLUDES MERION KENTUCKY BLUEGRASS.

AREA HARVESTED, YIELD, PRODUCTION, PRICE AND VALUE, SELECTED SEEDS, 1979-81

CROP AND STATE	AREA HARVESTED			YIELD PER ACRE			PRODUCTION-CLEAN SEED		
	1979	1980	1981	1979	1980	1981	1979	1980	1981
	ACRES			POUNDS			1,000 POUNDS		
CRIMSON CLOVER									
OREG	10,000	9,000	10,000	460	325	600	4,600	2,925	6,000
LADINO CLOVER									
CALIF 1/	12,500	8,400	6,600	275	345	325	3,433	2,898	2,145
CHEWINGS FESCUE									
OREG	13,500	16,000	17,000	630	670	570	8,505	10,720	9,690
RED FESCUE									
OREG	10,000	10,000	10,500	520	600	550	5,200	6,000	5,775
TALL FESCUE									
ARK	14,000	13,000	13,500	295	260	270	4,130	3,380	3,645
GA	11,000	10,000	11,000	220	215	220	2,420	2,150	2,420
KANS	27,000	17,000	18,000	225	150	185	6,075	2,550	3,330
KY	17,000	20,000	22,000	220	190	215	3,740	3,800	4,730
MO	265,000	230,000	320,000	280	240	270	74,200	55,200	86,400
OREG	10,000	11,000	11,500	720	850	700	7,200	9,350	8,050
TENN	10,000	11,000	12,500	240	200	190	2,400	2,200	2,375
TOTAL ABOVE STATES	354,000	312,000	408,500	283	252	272	100,165	78,630	110,950
BENTGRASS									
OREG	18,000	18,000	18,000	250	340	400	4,500	6,120	7,200
HAIRY VETCH									
OREG	10,000	8,000	8,000	500	310	400	5,000	2,480	3,200
ORCHARDGRASS									
KY	1,000	1,700	1,300	185	150	140	185	255	182
MO	3,500	4,000	3,500	200	195	225	700	780	788
OREG	16,000	17,000	18,000	850	850	500	13,600	14,450	9,000
VA	2,000	5,000	2,000	240	260	230	480	1,300	460
TOTAL ABOVE STATES	22,500	27,700	24,800	665	606	421	14,965	16,785	10,430
RYEGRASS									
PROPRIETARY PERN 2/									
OREG	31,000	33,000	36,000	850	950	900	26,350	31,350	32,400
OTH STS 3/	1,100	1,000	400	1,033	783	693	1,135	783	277
TOTAL ABOVE STATES	32,100	34,000	36,400	856	945	898	27,485	32,133	32,677
OTHER PERENNIAL - OREG	29,000	35,000	38,000	800	910	890	23,200	31,850	33,820
ALL PERENNIAL - OREG	60,000	68,000	74,000	826	929	895	49,550	63,200	66,220
ANNUAL - OREG 4/	129,000	120,000	115,000	1,600	1,700	1,600	206,400	204,000	184,000
ALL - OREG	189,000	188,000	189,000	1,354	1,421	1,324	255,950	267,200	250,220

SEE FOOTNOTES ON PAGE 15.

AREA HARVESTED, YIELD, PRODUCTION, PRICE AND VALUE, SELECTED SEEDS, 1979-81 CONTINUED

CROP AND STATE	SEASON AVERAGE PRICE RECEIVED BY FARMERS PER 100 POUNDS			VALUE OF PRODUCTION		
	1979	1980	1981	1979	1980	1981
	DOLLARS			1,000 DOLLARS		
CRIMSON CLOVER OREG	50.00	49.00	42.00	2,300	1,433	2,520
LADINO CLOVER CALIF 1/	145.00	136.00	154.00	4,985	3,941	3,303
CHEWINGS FESCUE OREG	72.00	66.00	60.00	6,124	7,075	5,814
RED FESCUE OREG	74.00	70.00	62.00	3,848	4,200	3,581
TALL FESCUE						
ARK	22.00	18.50	24.50	909	625	893
GA	26.50	27.50	38.50	641	591	932
KANS	18.00	27.50	24.50	1,094	701	816
KY	20.50	22.00	26.50	767	836	1,253
MO	21.50	22.50	23.50	15,953	12,420	20,304
OREG	26.00	28.00	33.00	1,872	2,618	2,657
TENN	22.50	26.50	36.00	540	583	855
TOTAL ABOVE STATES	21.70	23.40	25.00	21,776	18,374	27,710
BENTGRASS OREG	190.00	112.00	78.00	8,550	6,854	5,616
HAIRY VETCH OREG	38.00	35.00	38.00	1,900	868	1,216
ORCHARDGRASS						
KY	42.00	41.00	43.50	78	105	79
MO	39.00	32.00	35.00	273	250	276
UREG	45.00	47.00	52.00	6,120	6,792	4,680
VA	39.00	32.00	39.00	187	416	179
TOTAL ABOVE STATES	44.50	45.10	50.00	6,658	7,563	5,214
RYEGRASS PROPRIETARY PERN 2/						
OREG	45.00	40.00	46.00	11,858	12,540	14,904
OTH STS 3/	45.40	45.00	46.20	516	352	128
TOTAL ABOVE STATES	45.00	40.10	46.00	12,374	12,892	15,032
OTHER PERENNIAL - OREG	42.00	37.00	41.00	9,744	11,785	13,866
ALL PERENNIAL - OREG	43.60	38.50	43.40	21,602	24,325	28,770
ANNUAL - OREG 4/	9.80	11.00	16.00	20,227	22,440	29,440
ALL - OREG	16.30	17.50	23.30	41,829	46,765	58,210

1/ INCLUDES PROPRIETARY AND MERIT VARIETIES.

2/ ANY VARIETY OVER WHICH A PERSON, COMPANY, PARTNERSHIP, CORPORATION, SOCIETY, OR ASSOCIATION HAS CONTROL OR OWNERSHIP OF THE PRODUCTION AND RESALE OF SEED STOCK AND COMMERCIAL SEED OF THE VARIETY. INCLUDES PENNFINE.

3/ IDAHO, MONT, AND WASH.

4/ ESTIMATES FOR 1979 AND 1980 HAVE BEEN REVISED.

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