
SEED CROPS

Preliminary 1979



Crop
Reporting
Board

Economics, Statistics, &
Cooperatives Service

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SEED CROPS - PRELIMINARY 1979

Production of alfalfa seed in 1979 is estimated at 103.6 million pounds (47.0 thousand metric tons), up 12 percent from last year. Most of the increase occurred in California, the major alfalfa producing State. More acreage and higher yields resulting from good harvest weather increased production. The U.S. farm value of alfalfa seed production is estimated at \$117 million, compared with \$107 million in 1978. Average price per cwt was \$113.00, a decline of \$4.00 from the previous year.

Red clover seed production totaled 30.0 million pounds (13.6 thousand metric tons), down 8 percent from the 1978 crop. Oregon, the Nation's largest producing State, increased production by 25 percent.

Production of Kentucky bluegrass seed for all varieties is estimated at 36.4 million pounds (16.5 thousand metric tons), down 19 percent from the 1978 crop. Proprietary varieties including Merion are estimated at 10.6 million pounds (4820 metric tons), down 18 percent from the previous year. Public and common varieties of Kentucky bluegrass are estimated at 21.0 million pounds (9520 metric tons), 28 percent below a year earlier. A dry spring reduced seed yields in both Washington and Idaho and caused production to drop. *Growing conditions in Oregon were generally favorable.*

Tall fescue seed production in 1979 is estimated at 99.8 million pounds (45.3 thousand metric tons), 40 percent below last year. Most of the decline occurred in Missouri, the largest producing State. All States reported lower harvested acreage except Oregon.

Production of perennial ryegrass seed is estimated at 49.6 million pounds (22.5 thousand metric tons). Beginning with this report proprietary perennial ryegrass is published separately. Proprietary perennial ryegrass is estimated at 27.2 million pounds (12.3 thousand metric tons) for the four States of Oregon, Idaho, Washington and Montana. Annual ryegrass seed production in Oregon totaled 211 million pounds (95.8 thousand metric tons), up 6 percent from 1978.

Timothy seed production is estimated at 17.9 million pounds (8130 metric tons), up 6 percent from last year's crop for comparable States. Minnesota, the major timothy producing State, increased production by 28 percent. Other producing States experienced lower harvested acreage and except for Missouri, lower yields.

The U.S. tables in this publication present totals for harvested area, yield, production, dealer carryover, farm carryover and where available, imports, total supply, exports, and total disappearance for the major legume, grass, and cover crop seeds. The tables are presented in domestic and metric units. Import data include only seed permitted entry into the United States under the Federal Seed Act administered by the Grain Division, Agricultural Marketing Service. Export data are from the U.S. Department of Commerce and are available for only specific kinds of seed which are shown in the tables.

Season average prices shown in this report are estimates of the average prices received by producers for that part of the crop sold. The average price is the price received by farmers for clean seed before cleaning and marketing costs are deducted. The U.S. 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.

AREA HARVESTED, YIELD, PRODUCTION, PRICE AND VALUE, SELECTED SEED CROPS,
UNITED STATES, 1977-79
(DOMESTIC UNITS)

FIELD SEED	AREA HARVESTED			YIELD PER ACRE			PRODUCTION-CLEAN SEED		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	ACRES			POUNDS			1,000 POUNDS		
ALFALFA	408,500	529,000	509,000	238	175	203	97,105	92,495	103,575
RED CLOVER	244,100	294,700	266,200	102	110	113	24,877	32,456	29,988
LADINO CLOVER	12,000	13,700	12,500	275	260	285	3,300	3,562	3,563
LESPEDEZA	56,600	49,700	53,700	206	212	216	11,670	10,531	11,573
TIMOTHY	65,100	80,500	77,500	187	211	231	12,149	16,965	17,915
ORCHARDGRASS	22,300	22,200	20,500	464	455	545	10,348	10,090	11,165
KENTUCKY BLUEGRASS, ALL 1/	55,100	76,500	89,300	341	588	407	19,766	44,946	36,387
PUBLIC AND COMMON 2/	34,500	43,300	49,500	331	673	424	11,418	29,137	20,980
PROPRIETARY 2/	20,600	21,700	23,900	359	595	445	7,388	12,904	10,637
CHEWINGS FESCUE	10,000	11,000	11,500	550	450	560	5,500	4,950	6,440
RED FESCUE	12,000	11,000	10,500	500	480	500	6,000	5,280	5,250
TALL FESCUE	459,500	566,000	353,000	234	292	283	107,670	165,335	99,845
BENTGRASS	17,000	18,000	18,000	400	230	250	6,800	4,140	4,500
CRIMSON CLOVER	11,500	10,500	10,000	330	300	460	3,795	3,150	4,600
HAIRY VETCH 3/	30,500	8,000	9,200	270	450	500	8,235	3,600	4,600
ALL RYEGRASS	180,000	194,000	192,000	1,504	1,242	1,358	270,800	240,980	260,750
ANNUAL	136,000	138,000	132,000	1,700	1,450	1,600	231,200	200,100	211,200
PERENNIAL 4/	44,000	56,000	60,000	900	730	826	39,600	40,880	49,550
	SEASON AVERAGE PRICE RECEIVED			VALUE OF PRODUCTION					
	BY FARMERS PER 100 POUNDS								
	1977	1978	1979	1977	1978	1979			
	DOLLARS			1,000 DOLLARS					
ALFALFA	108.00	117.00	113.00	103,318	107,009	117,029			
RED CLOVER	73.50	67.10	59.70	17,642	21,271	17,891			
LADINO CLOVER	120.00	138.00	136.00	3,960	4,916	4,846			
LESPEDEZA	69.80	45.00	40.10	8,030	4,766	4,635			
TIMOTHY	50.60	43.10	33.60	6,132	7,256	6,014			
ORCHARDGRASS	33.00	39.30	44.00	3,417	3,962	4,916			
KENTUCKY BLUEGRASS, ALL	82.90	65.40	67.60	16,394	29,377	24,598			
PUBLIC AND COMMON 2/	82.40	63.90	75.80	9,412	18,604	15,908			
PROPRIETARY 2/	81.10	68.70	89.10	5,993	8,870	9,473			
CHEWINGS FESCUE	52.00	59.00	72.00	2,860	2,921	4,637			
RED FESCUE	52.00	57.00	74.00	3,120	3,010	3,885			
TALL FESCUE	23.00	12.20	21.10	24,761	20,179	21,067			
BENTGRASS	88.00	125.00	200.00	5,984	5,175	9,000			
CRIMSON CLOVER	32.00	49.00	49.00	1,214	1,544	2,254			
HAIRY VETCH 3/	27.10	32.00	38.00	2,234	1,152	1,748			
ALL RYEGRASS	13.40	13.90	16.20	36,188	33,500	42,252			
ANNUAL	10.00	10.00	9.80	23,120	20,010	20,698			
PERENNIAL 4/	33.00	33.00	43.50	13,068	13,490	21,554			

1/ NORTHWEST STATES ONLY FOR 1977 ACREAGE AND YIELD.

2/ NORTHWEST STATES ONLY.

3/ OREG ONLY AFTER THE 1977 CROP.

4/ INCLUDES PROPRIETARY AND OTHER PERENNIAL AND MIXTURES OF ANNUAL AND PERENNIAL.

AREA HARVESTED, YIELD, PRODUCTION, PRICE, AND VALUE, SELECTED SEED CROPS,
UNITED STATES, 1977-79
(METRIC UNITS)

FIELD SEED	AREA HARVESTED			YIELD PER HECTARE			PRODUCTION-CLEAN SEED		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	HECTARES			METRIC TONS					
ALFALFA	165 316	214 081	205 987	0.108	0.079	0.092	44 046	41 955	46 981
RED CLOVER	98 785	119 262	107 728	0.046	0.050	0.051	11 284	14 722	13 602
LADINO CLOVER	4 856	5 544	5 059	0.125	0.118	0.129	1 497	1 616	1 616
LESPEDEZA	22 905	20 113	21 732	0.093	0.096	0.098	5 293	4 777	5 249
TIMOTHY	26 345	32 578	31 363	0.085	0.096	0.105	5 511	7 695	8 126
ORCHARDGRASS	9 025	8 984	8 296	0.210	0.206	0.247	4 694	4 577	5 064
KENTUCKY BLUEGRASS, ALL 1/	22 298	30 959	36 139	0.155	0.267	0.185	8 966	20 387	16 505
PUBLIC AND COMMON 2/	13 962	17 523	20 032	0.150	0.305	0.192	5 179	13 216	9 516
PROPRIETARY 2/	8 337	8 782	9 672	0.163	0.270	0.202	3 351	5 853	4 825
CHEWINGS FESCUE	4 047	4 452	4 654	0.249	0.204	0.254	2 495	2 245	2 921
RED FESCUE	4 856	4 452	4 249	0.227	0.218	0.227	2 722	2 395	2 381
TALL FESCUE	185 955	229 055	142 856	0.106	0.132	0.128	48 838	74 995	45 289
BENTGRASS	6 880	7 284	7 284	0.181	0.104	0.113	3 084	1 878	2 041
CRIMSON CLOVER	4 654	4 249	4 067	0.150	0.136	0.209	1 721	1 429	2 087
HAIRY VETCH 3/	12 343	3 238	3 723	0.122	0.204	0.227	3 735	1 633	2 087
ALL RYEGRASS	72 844	78 510	77 700	0.682	0.563	0.616	122 833	109 307	118 274
ANNUAL	55 038	55 847	53 419	0.771	0.658	0.726	104 871	90 764	95 799
PERENNIAL 4/	17 806	22 663	24 281	0.408	0.331	0.375	17 962	18 543	22 475
	SEASON AVERAGE PRICE RECEIVED			VALUE OF PRODUCTION					
	BY FARMERS PER METRIC TON								
	1977	1978	1979	1977	1978	1979			
	DOLLARS			1,000 DOLLARS					
ALFALFA	2 380.99	2 579.41	2 491.22	103 318	107 009	117 029			
RED CLOVER	1 620.40	1 479.30	1 316.16	17 642	21 271	17 891			
LADINO CLOVER	2 645.55	3 042.38	2 998.29	3 960	4 916	4 846			
LESPEDEZA	1 538.83	992.08	884.05	8 030	4 766	4 635			
TIMOTHY	1 115.54	950.19	740.75	6 132	7 256	6 014			
ORCHARDGRASS	727.53	866.42	970.03	3 417	3 962	4 976			
KENTUCKY BLUEGRASS, ALL 1/	1 827.63	1 490.32	1 446.23	16 394	29 377	24 598			
PUBLIC AND COMMON 2/	1 816.61	1 408.75	1 671.10	9 412	18 604	15 908			
PROPRIETARY 2/	1 787.95	1 514.58	1 964.32	5 993	8 870	9 473			
CHEWINGS FESCUE	1 146.40	1 300.73	1 587.33	2 860	2 921	4 637			
RED FESCUE	1 146.40	1 256.63	1 631.42	3 120	3 010	3 885			
TALL FESCUE	507.06	268.96	465.18	24 761	20 179	21 067			
BENTGRASS	1 940.07	2 755.78	4 409.24	5 984	5 175	9 000			
CRIMSON CLOVER	705.48	1 080.26	1 080.26	1 214	1 544	2 254			
HAIRY VETCH 3/	597.45	705.48	837.76	2 234	1 152	1 748			
ALL RYEGRASS	295.42	306.44	357.15	36 188	33 500	42 252			
ANNUAL	220.46	220.46	216.05	23 120	20 010	20 698			
PERENNIAL 4/	727.53	727.53	959.01	13 068	13 490	21 554			

1/ NORTHWEST STATES ONLY FOR ACREAGE AND YIELD. 2/ NORTHWEST STATES ONLY.

3/ OREG ONLY AFTER THE 1977 CROP. 4/ INCLUDES PROPRIETARY AND OTHER PERENNIAL AND MIXTURES OF ANNUAL AND PERENNIAL.

CARRYOVER, IMPORTS, SUPPLY, EXPORTS, AND DISAPPEARANCE, SELECTED SEED CROPS,
UNITED STATES, 1977-79
(DOMESTIC UNITS)

FIELD SEED	CARRYOVER JUN 30										PRODUCTION PLUS		
	FARM 1/					DEALER					TOTAL		
	1977	1978	1979	1977	1978	1979	1977	1978	1979	1977	1978	1979	1979
	1,000 POUNDS												
ALFALFA	3,908	4,308	5,102	22,120	23,960	28,640	26,028	28,268	33,742	123,133	120,763	137,317	
RED CLOVER	6,203	4,837	5,889	8,200	6,620	10,160	14,403	11,457	16,049	39,280	43,913	46,037	
LADINO CLOVER	0	0	0	1,880	1,730	2,090	1,880	1,730	2,090	5,180	5,292	5,653	
LESPEDEZA	490	552	764	1,840	2,310	3,440	2,330	2,862	4,204	14,000	13,393	15,777	
TIMOTHY	1,335	627	791	3,920	1,260	3,980	5,255	1,887	4,771	17,404	18,852	22,686	
ORCHARDGRASS	1,025	238	88	7,170	4,550	3,000	8,195	4,788	3,088	18,543	14,878	14,253	
KENTUCKY BLUEGRASS, ALL:	5,500	1,233	1,787	21,380	10,640	15,810	26,880	11,873	17,597	46,646	56,819	53,984	
PUBLIC AND COMMON	NA	NA	NA	14,880	7,440	11,920	NA	NA	NA	NA	NA	NA	
PROPRIETARY 2/	NA	NA	NA	6,500	3,200	3,890	NA	NA	NA	NA	NA	NA	
CHEWINGS FESCUE	108	330	149	1,670	1,140	810	1,778	1,470	959	7,278	6,420	7,399	
RED FESCUE	862	600	528	9,400	7,150	5,300	10,262	7,750	5,828	16,262	13,030	11,078	
TALL FESCUE	1,615	2,007	20,588	9,850	10,890	30,240	11,465	12,897	50,828	119,135	178,232	150,673	
BENTGRASS	865	68	124	1,550	950	580	2,415	1,018	704	9,215	5,158	5,204	
CRIMSON CLOVER	37	38	189	1,150	1,320	720	1,187	1,358	909	4,982	4,508	5,509	
HAIKY VETCH	148	48	0	1,060	850	1,460	1,208	898	1,460	9,443	4,498	6,060	
ALL RYEGRASS	6,503	30,286	22,420	34,670	43,650	34,330	41,173	73,936	56,750	311,973	314,916	317,500	
ANNUAL	4,941	28,900	22,011	20,700	32,060	20,260	25,641	60,960	42,271	256,841	261,060	253,471	
PERENNIAL 3/	1,562	1,386	409	13,970	11,590	14,070	15,532	12,976	14,479	55,132	53,856	64,029	

	TOTAL										DISAPPEARANCE 4/ 5/		
	IMPORTS 4/					TOTAL SUPPLY 4/ 5/					EXPORTS 4/		
	1977	1978	1979	1977	1978	1979	1977	1978	1979	1977	1978	1979	1979
	1,000 POUNDS												
ALFALFA	777	189	NA	123,910	120,952	NA	16,804	12,339	NA	95,642	87,210	NA	
RED CLOVER	3,514	4,369	NA	42,794	48,282	NA	2,037	1,316	NA	31,337	32,233	NA	
LADINO CLOVER	10	0	NA	5,190	5,292	NA	2,110	1,631	NA	3,460	3,202	NA	
LESPEDEZA	0	0	NA	14,000	13,393	NA	NA	NA	NA	11,138	9,189	NA	
TIMOTHY	1,440	837	NA	18,844	19,689	NA	4,178	4,967	NA	16,957	14,918	NA	
ORCHARDGRASS	482	284	NA	19,025	15,162	NA	1,173	2,482	NA	14,237	12,074	NA	
KENTUCKY BLUEGRASS, ALL:	82	379	NA	46,728	57,198	NA	5,309	6,376	NA	34,855	39,601	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	25	18	NA	7,303	6,438	NA	NA	NA	NA	5,833	5,479	NA	
RED FESCUE	19,375	12,091	NA	35,637	25,121	NA	NA	NA	NA	27,887	19,293	NA	
TALL FESCUE	4	52	NA	119,139	178,284	NA	2,092	6,501	NA	106,242	127,456	NA	
BENTGRASS	20	17	NA	9,235	5,175	NA	6,431	4,301	NA	8,217	4,471	NA	
CRIMSON CLOVER	3	118	NA	4,985	4,626	NA	NA	NA	NA	3,627	3,717	NA	
HAIKY VETCH	2	2	NA	9,445	4,500	NA	NA	NA	NA	8,547	3,040	NA	
ALL RYEGRASS	1,301	754	NA	313,274	315,670	NA	23,828	23,285	NA	239,338	258,920	NA	
ANNUAL	456	256	NA	257,297	261,316	NA	17,805	17,216	NA	196,337	219,045	NA	
PERENNIAL 3/	845	498	NA	55,977	54,354	NA	6,023	6,069	NA	43,001	39,875	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 CARRY-OVER FOLLOWING YEAR. INCLUDES EXPORTS AND DOMESTIC USE.

CARRYOVER, IMPORTS, SUPPLY, EXPORTS, AND DISAPPEARANCE, SELECTED SEED CROPS,
UNITED STATES, 1977-79
(METRIC UNITS)

FIELD SEED	CARRYOVER JUN 30										PRODUCTION PLUS	
	FARM 1/					DEALER					CARRYOVER	
	1977	1978	1979	1977	1978	1979	1977	1978	1979	1977	1978	1979
	METRIC TONS											
ALFALFA	1 773	1 954	2 314	10 033	10 868	12 991	11 806	12 822	15 305	55 852	54 777	62 286
RED CLOVER	2 814	2 194	2 671	3 719	3 003	4 608	6 533	5 197	7 279	17 817	19 919	20 882
LADINO CLOVER	0	0	0	853	785	948	853	785	948	2 350	2 400	2 564
LESPEDEZA	222	250	347	835	1 048	1 560	1 057	1 298	1 907	6 350	6 075	7 156
TIMOTHY	606	284	359	1 778	572	1 805	2 384	856	2 164	7 894	8 551	10 290
ORCHARDGRASS	465	108	40	3 252	2 064	1 361	3 717	2 172	1 401	8 411	6 749	6 465
KENTUCKY BLUEGRASS, ALL	2 495	559	811	9 698	4 826	7 171	12 193	5 386	7 982	21 158	25 773	24 487
PUBLIC AND COMMON	NA	NA	NA	6 750	3 375	5 407	NA	NA	NA	NA	NA	NA
PROPRIETARY 2/	NA	NA	NA	2 948	1 451	1 764	NA	NA	NA	NA	NA	NA
CHEWINGS FESCUE	49	150	68	757	517	367	806	667	435	3 301	2 912	3 356
RED FESCUE	391	272	239	4 264	3 243	2 404	4 655	3 515	2 644	7 376	5 910	5 025
TALL FESCUE	733	910	9 339	4 468	4 940	13 717	5 200	5 850	23 055	54 039	80 845	68 344
BENTGRASS	392	31	56	703	431	263	1 095	462	319	4 180	2 340	2 360
CRIMSON CLOVER	17	17	86	522	599	327	538	616	412	2 260	2 045	2 499
HAIRY VETCH	67	22	0	481	386	662	548	407	662	4 283	2 040	2 749
ALL RYEGRASS	2 950	13 737	10 170	15 726	19 799	15 572	18 576	33 537	25 741	141 508	142 844	144 016
ANNUAL	2 241	13 109	9 984	9 389	14 542	9 190	11 631	27 651	19 174	116 501	118 415	114 973
PERENNIAL 3/	709	629	186	6 337	5 257	6 382	7 045	5 886	6 567	25 007	24 429	29 043

TOTAL										DISAPPEARANCE 4/ 5/	
1977	1978	1979	1977	1978	1979	1977	1978	1979	1977	1978	1979

CROP	METRIC TONS										TOTAL	
	IMPORTS 4/					TOTAL SUPPLY 4/ 5/					EXPORTS 4/	
	1977	1978	1979	1977	1978	1979	1977	1978	1979	1977	1978	1979
ALFALFA	352	86	NA	56 205	54 863	NA	7 622	5 597	NA	43 382	39 558	NA
RED CLOVER	1 594	1 982	NA	19 411	21 900	NA	924	597	NA	14 214	14 621	NA
LADINO CLOVER	5	0	NA	2 354	2 400	NA	957	740	NA	1 569	1 452	NA
LESPEDEZA	0	0	NA	6 350	6 075	NA	NA	NA	NA	5 052	4 168	NA
TIMOTHY	653	380	NA	8 547	8 931	NA	1 895	2 253	NA	7 692	6 767	NA
ORCHARDGRASS	219	129	NA	8 630	6 877	NA	532	1 126	NA	6 458	5 476	NA
KENTUCKY BLUEGRASS, ALL	37	172	NA	21 195	25 945	NA	2 408	2 892	NA	15 810	17 963	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	11	8	NA	3 313	2 920	NA	NA	NA	NA	2 646	2 485	NA
RED FESCUE	8 788	5 484	NA	16 165	11 395	NA	NA	NA	NA	12 649	8 751	NA
TALL FESCUE	2	24	NA	54 041	80 868	NA	949	2 949	NA	48 191	57 813	NA
BENTGRASS	9	8	NA	4 189	2 347	NA	2 917	1 951	NA	3 727	2 028	NA
CRIMSON CLOVER	1	54	NA	2 261	2 098	NA	NA	NA	NA	1 645	1 686	NA
HAIRY VETCH	1	1	NA	4 284	2 041	NA	NA	NA	NA	3 877	1 379	NA
ALL RYEGRASS	590	342	NA	142 099	143 186	NA	10 808	10 562	NA	108 562	117 445	NA
ANNUAL	207	116	NA	116 708	118 531	NA	8 076	7 809	NA	89 057	99 357	NA
PERENNIAL 3/	383	226	NA	25 391	24 655	NA	2 732	2 753	NA	19 505	18 088	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. 7/ 10% YEAR. INCLUDES EXPORTS AND DOMESTIC USE.

ALFALFA SEED

STATE	AREA HARVESTED			YIELD PER ACRE			PRODUCTION-CLEAN SEED		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	ACRES			POUNDS			1,000 POUNDS		
ARIZ 1/	1,000			150			150		
CALIF	47,000	64,000	80,000	660	295	470	31,020	18,800	37,600
IDAHO	33,000	43,000	45,000	430	350	365	14,190	15,050	16,425
KANS	42,000	60,000	45,000	95	115	100	3,990	6,900	4,500
MONT	39,000	26,000	42,000	90	85	140	3,510	2,210	5,880
NEBR	28,000	32,000	29,000	75	75	65	2,100	2,400	1,885
NEV	15,500	17,000	18,000	520	365	375	8,060	6,205	6,750
N DAK	8,000	17,000	8,000	40	45	45	320	765	360
OKLA	32,000	55,000	45,000	140	145	125	4,480	7,975	5,625
OREG	13,000	14,000	15,000	470	345	300	6,110	4,830	4,500
S DAK	105,000	150,000	130,000	65	85	55	6,825	12,750	7,150
UTAH	14,000	15,000	17,000	260	290	275	3,640	4,350	4,675
WASH	31,000	36,000	35,000	410	285	235	12,710	10,260	8,225
TOTAL ABOVE STATES	408,500	529,000	509,000	238	175	203	97,105	92,495	103,575
	SEASON AVERAGE PRICE RECEIVED BY FARMERS PER 100 POUNDS			VALUE OF PRODUCTION					
	1977	1978	1979	1977	1978	1979			
	DOLLARS			1,000 DOLLARS					
ARIZ 1/	80.00			120					
CALIF	90.00	122.00	122.00	27,918	22,936	45,872			
IDAHO	126.00	135.00	125.00	17,879	20,318	20,531			
KANS	80.00	81.50	75.50	3,192	5,624	3,398			
MONT	105.00	100.00	80.00	3,686	2,210	4,704			
NEBR	105.00	95.00	82.00	2,205	2,280	1,546			
NEV	125.00	135.00	130.00	10,075	8,377	8,775			
N DAK	102.00	91.00	88.00	326	696	317			
OKLA	81.00	80.00	83.00	3,629	6,380	4,669			
OREG	129.00	135.00	125.00	7,882	6,521	5,625			
S DAK	106.00	99.00	83.00	6,132	12,623	5,935			
UTAH	124.00	117.00	115.00	4,514	5,090	5,376			
WASH	124.00	136.00	125.00	15,760	13,954	10,281			
TOTAL ABOVE STATES	108.00	117.00	113.00	103,318	107,009	117,029			

1/ ESTIMATES DISCONTINUED AFTER THE 1977 CROP.

RED CLOVER SEED

STATE	AREA HARVESTED			YIELD PER ACRE			PRODUCTION-CLEAN SEED		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	ACRES			POUNDS			1,000 POUNDS		
IDAHO	2,100	4,100	5,200	365	310	275	767	1,271	1,430
ILL	45,000	40,000	35,000	80	85	80	3,600	3,400	2,800
IND	18,000	19,000	15,000	75	76	75	1,350	1,444	1,125
IOWA	7,000	7,000	13,000	75	80	90	525	560	1,170
KANS	8,000	9,500	8,000	90	90	85	720	855	680
KY	5,500	3,300	3,200	80	75	65	440	248	208
MICH	25,000	25,000	26,000	85	85	95	2,125	2,125	2,470
MINN	12,000	38,000	38,000	100	110	110	1,200	4,180	4,180
MO	37,000	40,000	28,000	70	95	90	2,590	3,800	2,520
NEBR	3,500	4,400	3,500	70	75	70	245	330	245
N Y	6,000	9,000	9,000	55	80	90	330	720	810
OHIO	30,000	33,000	24,000	75	85	65	2,250	2,805	1,560
OREG	20,000	27,500	30,000	250	200	230	5,000	5,500	6,900
PA	8,500	12,000	8,000	70	75	70	595	900	560
WASH	8,500	11,900	8,300	280	275	300	2,380	3,273	2,490
WIS	8,000	11,000	12,000	95	95	70	760	1,045	840
U S	244,100	294,700	266,200	102	110	113	24,877	32,456	29,988
SEASON AVERAGE PRICE RECEIVED					VALUE OF PRODUCTION				
BY FARMERS PER 100 POUNDS									
	1977	1978	1979		1977	1978	1979		
	DOLLARS				1,000 DOLLARS				
IDAHO	97.00	87.50	72.00		744	1,112	1,030		
ILL	65.00	63.00	65.00		2,340	2,142	1,820		
IND	58.00	56.00	51.00		783	809	574		
IOWA	66.00	64.00	53.00		347	358	620		
KANS	56.00	57.50	51.50		403	492	350		
KY	73.00	69.00	71.50		321	171	149		
MICH	57.00	49.00	42.00		1,211	1,041	1,037		
MINN	69.50	58.00	54.50		834	2,424	2,278		
MO	61.00	58.00	60.00		1,580	2,204	1,512		
NEBR	63.00	64.00	63.00		754	211	154		
N Y	70.00	57.50	55.50		231	414	450		
OHIO	53.50	53.50	47.00		1,204	1,501	733		
OREG	84.00	77.00	65.00		4,200	4,235	4,485		
PA	74.00	65.00	60.00		440	585	336		
WASH	99.00	89.50	75.50		2,356	2,929	1,880		
WIS	65.00	61.50	57.50		494	643	483		
U S	73.50	67.10	59.70		17,642	21,271	17,891		

LESPEDeza SEED

STATE	AREA HARVESTED			YIELD PER ACRE			PRODUCTION-CLEAN SEED		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	ACRES			POUNDS			1,000 POUNDS		
ARK	1,200	1,600	1,800	420	375	380	504	600	684
ILL	4,000	2,500	2,200	150	175	160	600	438	352
IND	3,000	2,500	2,000	150	200	200	450	500	400
KANS	8,000	6,000	4,500	235	235	225	1,880	1,410	1,013
KY	4,000	3,100	6,800	180	230	210	720	713	1,428
MO	18,000	15,000	15,000	225	230	220	4,050	3,450	3,300
N C	1,400	2,000	2,400	140	180	165	196	360	396
S C	6,000	7,000	7,000	215	230	220	1,290	1,610	1,540
TENN	11,000	10,000	12,000	180	145	205	1,980	1,450	2,460
U S	56,600	49,700	53,700	206	212	216	11,670	10,531	11,573
	SEASON AVERAGE PRICE RECEIVED BY FARMERS PER 100 POUNDS				VALUE OF PRODUCTION				
	1977	1978	1979		1977	1978	1979		
	DOLLARS				1,000 DOLLARS				
ARK	75.00	57.50	48.00		378	345	328		
ILL	40.00	33.00	38.00		240	145	134		
IND	37.00	33.00	20.00		167	165	80		
KANS	34.50	29.50	40.00		649	416	405		
KY	59.00	55.00	53.00		425	392	757		
MO	42.00	28.00	19.50		1,701	966	644		
N C	85.00	79.00	80.00		167	284	317		
S C	223.00	73.50	64.00		2,877	1,183	986		
TENN	72.00	60.00	40.00		1,426	870	984		
U S	69.80	45.00	40.10		8,030	4,766	4,635		

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
1977:										
ARK			100.0	504					100.0	504
ILL	90.0	540	10.0	60					100.0	600
IND	100.0	450							100.0	450
KANS	70.0	1,316	25.0	470			5.0	94	100.0	1,880
KY	6.0	187	92.0	490	2.0	43			100.0	720
MO	77.0	3,118	22.0	891	1.0	41			100.0	4,050
N C	12.0	24	50.0	98	38.0	74			100.0	196
S C					99.0	1,277	1.0	13	100.0	1,290
TENN	5.0	99	80.0	1,584	15.0	297			100.0	1,980
U S	49.1	5,734	35.1	4,097	14.9	1,732	.9	107	100.0	11,670
1978:										
ARK			100.0	600					100.0	600
ILL	90.0	394	10.0	44					100.0	438
IND	100.0	500							100.0	500
KANS	90.0	1,268	5.0	71			5.0	71	100.0	1,410
KY	20.0	143	77.0	549	3.0	21			100.0	713
MO	86.0	2,966	11.0	380	2.0	69	1.0	35	100.0	3,450
N C	4.0	14	25.0	90	70.0	252	1.0	4	100.0	360
S C					99.0	1,594	1.0	16	100.0	1,610
TENN	6.0	87	73.0	1,059	21.0	304			100.0	1,450
U S	51.0	5,372	26.5	2,793	21.3	2,240	1.2	126	100.0	10,531
1979:										
ARK			100.0	684					100.0	684
ILL	85.0	299	15.0	53					100.0	352
IND	100.0	400							100.0	400
KANS	93.0	942	2.0	20	1.0	10	4.0	41	100.0	1,013
KY	4.0	57	91.0	1,300	5.0	71			100.0	1,428
MO	84.0	2,772	15.0	495	1.0	33			100.0	3,300
N C	1.0	4	25.0	99	67.0	265	7.0	28	100.0	396
S C			2.0	31	96.0	1,478	2.0	31	100.0	1,540
TENN	5.0	123	80.0	1,968	15.0	369			100.0	2,460
U S	39.7	4,597	40.2	4,650	19.2	2,226	0.9	100	100.0	11,573

TIMOTHY SEED

STATE	AREA HARVESTED			YIELD PER ACRE			PRODUCTION-CLEAN SEED		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	ACRES			POUNDS			1,000 POUNDS		
ILL	5,000	5,500	4,000	130	140	130	650	770	520
IND 1/	1,600			140			224		
IOWA 1/	1,500			190			285		
MINN	35,000	49,000	58,000	225	235	255	7,875	11,515	14,790
MO	11,000	15,000	7,000	160	180	190	1,760	2,700	1,330
OHIO	7,000	11,000	8,500	130	180	150	910	1,980	1,275
PA 1/	3,000			115			345		
WIS 1/	1,000			100			100		
TOTAL ABOVE STATES	65,100	80,500	77,500	187	211	231	12,149	16,965	17,915
	SEASON AVERAGE PRICE RECEIVED BY FARMERS PER 100 POUNDS			VALUE OF PRODUCTION					
	1977	1978	1979	1977	1978	1979			
	DOLLARS			1,000 DOLLARS					
ILL	42.00	35.00	40.00	273	270	208			
IND 1/	46.00			103					
IOWA 1/	45.00			128					
MINN	53.00	47.00	33.00	4,174	5,412	4,881			
MO	42.00	33.00	36.00	739	891	479			
OHIO	50.00	34.50	35.00	455	683	446			
PA 1/	61.00			210					
WIS 1/	50.00			50					
TOTAL ABOVE STATES	50.60	43.10	33.60	6,132	7,256	6,014			

1/ ESTIMATES DISCONTINUED AFTER THE 1977 CROP.

KENTUCKY BLUEGRASS SEED--PUBLIC AND COMMON VARIETIES 1/

STATE	AREA HARVESTED			YIELD 2/			PRODUCTION-CLEAN SEED		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	ACRES			POUNDS			1,000 POUNDS		
IDAHO	9,000	16,000	16,000	285	650	430	2,565	10,400	6,880
OREG	9,500	10,000	10,500	595	680	620	5,653	6,800	6,510
WASH	16,000	17,300	23,000	200	690	330	3,200	11,937	7,590
TOTAL N W	34,500	43,300	49,500	331	673	424	11,418	29,137	20,980
	SEASON AVERAGE PRICE RECEIVED BY FARMERS PER 100 POUNDS			VALUE OF PRODUCTION					
	1977	1978	1979	1977	1978	1979			
	DOLLARS			1,000 DOLLARS					
IDAHO	82.00	59.00	77.50	2,103	6,136	5,332			
OREG	84.00	67.50	75.00	4,749	4,590	4,883			
WASH	80.00	66.00	75.00	2,560	7,878	5,693			
TOTAL N W	82.40	63.90	75.80	9,412	18,604	15,908			

1/ EXCLUDES MERION. 2/ YIELDS AND PRICES DERIVED FOR 1977.

KENTUCKY BLUEGRASS SEED--PROPRIETARY VARIETIES 1/

STATE	AREA HARVESTED			YIELD 2/			PRODUCTION-CLEAN SEED		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	ACRES			POUNDS			1,000 POUNDS		
IDAHO	9,800	10,000	11,000	300	520	310	2,940	5,200	3,410
OREG	6,500	9,000	11,000	575	700	600	3,738	6,300	6,600
WASH	4,300	2,700	1,900	165	520	330	710	1,404	627
TOTAL N W	20,600	21,700	23,900	359	595	445	7,388	12,904	10,637
	SEASON AVERAGE PRICE RECEIVED BY FARMERS PER 100 POUNDS			VALUE OF PRODUCTION					
	1977	1978	1979	1977	1978	1979			
	DOLLARS			1,000 DOLLARS					
IDAHO	84.00	67.00	85.00	2,470	3,484	2,899			
OREG	78.00	68.00	92.00	2,916	4,284	6,072			
WASH	85.50	78.50	80.00	607	1,102	502			
TOTAL N W	81.10	68.70	89.10	5,993	8,870	9,473			

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. 2/ YIELDS AND PRICES DERIVED FOR 1977.

ALL KENTUCKY BLUEGRASS SEED

STATE	AREA HARVESTED			YIELD 1/			PRODUCTION-CLEAN SEED		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	ACRES			POUNDS			1,000 POUNDS		
IDAHO	18,800	26,000	27,000	293	600	381	5,505	15,600	10,290
OREG	16,000	19,000	21,500	587	689	610	9,391	13,100	13,110
WASH	20,300	20,000	24,900	193	667	330	3,910	13,341	8,217
TOTAL N W	55,100	65,000	73,400	341	647	431	18,806	42,041	31,617
OTHER STS 2/	NA	11,500	15,900	NA	253	300	960	2,905	4,770
U S 2/	NA	76,500	89,300	NA	588	407	19,766	44,946	36,387
	SEASON AVERAGE PRICE RECEIVED BY FARMERS PER 100 POUNDS 1/			VALUE OF PRODUCTION					
	1977	1978	1979	1977	1978	1979			
	DOLLARS			1,000 DOLLARS					
IDAHO	83.00	61.70	61.70	4,573	9,620	6,349			
OREG	81.70	67.70	67.70	7,665	8,874	8,875			
WASH	81.00	67.30	67.30	3,167	8,980	5,530			
TOTAL N W	81.90	65.40	65.60	15,405	27,474	20,754			
OTHER STS	103.00	65.50	80.50	989	1,903	3,840			
U S	82.90	65.40	67.60	16,394	29,377	24,598			

1/ YIELDS AND PRICES DERIVED. 2/ HARVESTED ACRES AND YIELD FOR 1977 NOT AVAILABLE.

AREA HARVESTED, YIELD, PRODUCTION, PRICE AND VALUE, SELECTED SEEDS 1977-79

CROP AND STATE	ARE HARVESTED			YIELD PER ACRE			PRODUCTION-CLEAN SEED		
	1977	1978	1979	1977	1978	1979	1977	1978	1979
	ACRES			POUNDS			1,000 POUNDS		
CRIMSON CLOVER									
OREG	11,500	10,500	10,000	330	300	460	3,795	3,150	4,600
LADINO CLOVER									
CALIF 1/	12,000	13,700	12,500	275	260	285	3,300	3,562	3,563
CHEWINGS FESCUE									
OREG	10,000	11,000	11,500	550	450	560	5,500	4,950	6,440
RED FESCUE									
OREG	12,000	11,000	10,500	500	480	500	6,000	5,280	5,250
TALL FESCUE									
ALA 2/	4,000			130			520		
ARK	17,000	25,500	25,000	230	310	295	4,930	7,905	7,375
GA	10,000	14,000	11,000	205	210	220	2,050	2,940	2,420
KANS	30,000	37,000	24,000	150	200	225	4,500	7,400	5,400
KY	21,000	42,000	17,000	190	270	220	3,990	11,340	3,740
MO	349,000	415,000	255,000	235	300	280	82,015	124,500	71,400
OREG	9,500	9,500	10,000	650	700	720	6,175	6,650	7,200
S C 2/	6,000			170			1,020		
TENN	13,000	23,000	11,000	190	200	210	2,470	4,600	2,310
TOTAL ABOVE STATES	459,500	566,000	353,000	234	292	283	107,670	165,335	99,845
BENTGRASS									
OREG	17,000	18,000	18,000	400	230	250	6,800	4,140	4,500
HAIRY VETCH									
NEBR 2/	12,000			120			1,440		
OKLA 2/	7,000			155			1,085		
OREG	8,000	8,000	9,200	600	450	500	4,800	3,600	4,600
TEX 2/	3,500			260			910		
TOTAL ABOVE STATES	30,500	8,000	9,200	270	450	500	8,235	3,600	4,600
ORCHARDGRASS									
KY	800	1,200	1,000	210	175	185	168	210	185
MO	5,000	4,000	3,500	210	200	200	1,050	800	700
OREG	11,000	11,000	11,500	730	700	800	8,030	7,700	9,200
VA	5,500	6,000	4,500	200	230	240	1,100	1,380	1,080
U S	22,300	22,200	20,500	464	455	545	10,348	10,090	11,165
RYEGRASS									
PROPRIETARY									
PERENNIAL 3/									
OREG	NA	NA	31,000	NA	NA	850	NA	NA	26,350
OTHER STATES 4/	NA	NA	1,100	NA	NA	787	NA	NA	866
TOTAL ABOVE STATES	NA	NA	32,100	NA	NA	848	NA	NA	27,216
OTHER PERENNIAL-OREG	NA	NA	29,000	NA	NA	800	NA	NA	23,200
ALL PERENNIAL-OREG	44,000	56,000	60,000	900	730	826	39,600	40,880	49,550
ANNUAL-OREG	136,000	138,000	132,000	1,700	1,450	1,600	231,200	200,100	211,200
ALL-OREG	180,000	194,000	192,000	1,504	1,242	1,358	270,800	240,980	260,750

SEE FOOTNOTES ON PAGE 15.

AREA HARVESTED, YIELD, PRODUCTION, PRICE AND VALUE, SELECTED SEEDS 1977-79 CONTINUED

CROP AND STATE	SEASON AVERAGE PRICE RECEIVED BY FARMERS PER 100 POUNDS			VALUE OF PRODUCTION		
	1977	1978	1979	1977	1978	1979
	DOLLARS			1,000 DOLLARS		
CRIMSON CLOVER						
OREG	32.00	49.00	49.00	1,214	1,544	2,254
LADINO CLOVER						
CALIF 1/	120.00	138.00	136.00	3,960	4,916	4,846
CHEWINGS FESCUE						
OREG	52.00	59.00	72.00	2,860	2,921	4,637
RED FESCUE						
OREG	52.00	57.00	74.00	3,120	3,010	3,885
TALL FESCUE						
ALA 2/	32.00			166		
ARK	22.00	13.50	15.00	1,085	1,067	1,106
GA	35.00	19.00	26.50	718	559	641
KANS	22.00	13.00	15.00	990	962	810
KY	27.50	16.50	20.50	1,097	1,871	767
MO	21.50	10.50	21.50	17,633	13,073	15,351
OREG	32.00	27.00	26.00	1,976	1,796	1,872
S C 2/	30.00			306		
TENN	32.00	18.50	22.50	790	851	520
TOTAL ABOVE STATES	23.00	12.20	21.10	24,761	20,179	21,067
BENTGRASS						
OREG	88.00	125.00	200.00	5,984	5,175	9,000
HAIRY VETCH						
NEBR 2/	27.00			389		
OKLA 2/	24.00			260		
OREG	28.00	32.00	38.00	1,344	1,152	1,748
TEX 2/	26.50			241		
TOTAL ABOVE STATES	27.10	32.00	38.00	2,234	1,152	1,748
ORCHARDGRASS						
KY	34.00	34.00	42.00	57	71	78
MO	25.00	29.50	39.50	263	236	277
OREG	35.00	42.00	45.00	2,811	3,234	4,140
VA	26.00	30.50	39.00	286	421	421
U S	33.00	39.30	44.00	3,417	3,962	4,916
RYEGRASS						
PROPRIETARY						
PERENNIAL 3/						
OREG	NA	NA	45.00	NA	NA	11,858
OTHER STATES 4/	NA	NA	46.80	NA	NA	405
TOTAL ABOVE STATES	NA	NA	45.10	NA	NA	12,263
OTHER PERENNIAL-						
OREG	NA	NA	42.00	NA	NA	9,744
ALL PERENNIAL-OREG	33.00	33.00	43.50	13,068	13,490	21,554
ANNUAL-OREG	10.00	10.00	9.80	23,120	20,010	20,698
ALL-OREG	13.40	13.90	16.20	36,188	33,500	42,252

1/ INCLUDES PROPRIETARY AND MERIT VARIETIES.

2/ ESTIMATES DISCONTINUED AFTER THE 1977 CROP.

3/ 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.

4/ IDAHO, MONT AND WASH.

