

**CHAPTER VI**  
**STATISTICS OF HAY, SEEDS, AND MINOR FIELD CROPS**

Chapter VI deals with hay, pasture, seeds, and various minor field crops.

**Table 6-1.—Hay, all: Area, yield, production, and value, United States, 1992–2001**

Year	Area harvested	Yield per acre	Production	Marketing year average price per ton received by farmers	Value of production
	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1992 .....	58,903	2.49	146,903	74.30	10,435,994
1993 .....	59,689	2.46	146,699	84.70	10,946,576
1994 .....	58,815	2.55	150,136	86.70	11,113,274
1995 .....	59,764	2.58	154,239	82.20	11,035,838
1996 .....	61,169	2.45	149,779	95.80	12,726,992
1997 .....	61,084	2.50	152,536	100.00	13,249,825
1998 .....	60,076	2.53	151,780	84.60	11,606,734
1999 .....	63,220	2.53	159,707	76.90	11,014,373
2000 .....	59,854	2.54	151,921	85.00	11,416,651
2001 <sup>1</sup> .....	63,511	2.47	156,703	97.30	12,611,560

<sup>1</sup> Preliminary.  
 NASS, Crops Branch, (202) 720–2127.

**Table 6-2.—Hay, all: Stocks on farms, United States, 1992–2001**

Crop year	Dec. 1	May 1 <sup>1</sup>
	<i>1,000 tons</i>	<i>1,000 tons</i>
1992 .....	105,290	21,102
1993 .....	100,953	22,096
1994 .....	105,296	20,775
1995 .....	109,438	20,739
1996 .....	105,179	17,424
1997 .....	103,044	21,827
1998 .....	112,066	24,817
1999 .....	108,922	28,817
2000 .....	105,582	21,106
2001 <sup>2</sup> .....	110,510	NA

<sup>1</sup> Following year. <sup>2</sup> Preliminary. NA-not available.  
 NASS, Crops Branch, (202) 720–2127.

**Table 6-3.—Hay, alfalfa and alfalfa mixtures: Area, yield, and production, by States, 1999–2001**

State	Area harvested			Yield per harvested acre			Production		
	1999	2000	2001 <sup>1</sup>	1999	2000	2001 <sup>1</sup>	1999	2000	2001 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AZ .....	200	205	215	7.90	8.30	8.00	1,580	1,702	1,720
AR .....	20	20	20	2.50	2.50	3.10	50	50	62
CA .....	1,050	1,020	1,010	6.90	7.00	7.20	7,245	7,140	7,272
CO .....	900	900	950	3.80	3.70	3.80	3,420	3,330	3,610
CT .....	11	12	8	1.70	2.20	2.30	19	26	18
DE .....	7	8	8	3.90	5.00	3.40	27	40	27
ID .....	1,150	1,130	1,120	4.00	4.20	3.90	4,600	4,746	4,368
IL .....	500	500	500	4.00	3.80	3.90	2,000	1,900	1,950
IN .....	400	430	330	3.70	4.10	4.00	1,480	1,763	1,320
IA .....	1,300	1,250	1,250	3.90	3.90	3.70	5,070	4,875	4,625
KS .....	900	900	900	4.40	4.10	4.60	3,960	3,690	4,140
KY .....	250	250	250	2.90	3.90	3.70	725	975	925
ME .....	12	12	10	1.70	2.20	2.20	20	26	22
MD .....	60	65	65	2.80	4.40	3.10	168	286	202
MA .....	17	16	18	1.90	2.30	2.30	32	37	41
MI .....	950	1,000	900	3.80	3.70	3.60	3,610	3,700	3,240
MN .....	1,600	1,550	1,450	3.50	3.60	3.50	5,600	5,580	5,075
MO .....	450	470	450	2.90	3.10	3.05	1,305	1,457	1,373
MT .....	1,650	1,200	1,450	2.20	2.10	2.10	3,630	2,520	3,045
NE .....	1,400	1,350	1,450	3.70	3.10	3.55	5,180	4,185	5,148
NV .....	255	265	265	4.10	4.60	4.50	1,046	1,219	1,193
NH .....	7	8	7	2.20	2.00	2.00	15	16	14
NJ .....	30	30	30	2.70	3.00	3.40	81	90	102
NM .....	290	290	270	5.20	5.20	5.00	1,508	1,508	1,350
NY .....	550	420	560	2.30	2.40	2.80	1,265	1,008	1,568
NC .....	20	20	20	3.00	2.70	3.00	60	54	60
ND .....	1,450	1,350	1,600	2.15	2.40	2.10	3,118	3,240	3,360
OH .....	600	570	570	3.00	4.00	3.50	1,800	2,280	1,995
OK .....	360	330	340	3.50	3.30	2.60	1,260	1,089	884
OR .....	420	390	460	4.40	4.20	4.30	1,848	1,638	1,978
PA .....	700	650	670	2.40	3.10	2.50	1,680	2,015	1,675
RI .....	1	1	1	1.80	2.50	2.20	2	3	2
SD .....	2,400	2,650	3,000	2.80	2.05	2.20	6,720	5,433	6,600
TN .....	30	35	35	3.10	3.70	3.90	93	130	137
TX .....	130	120	130	5.50	4.00	4.90	715	480	637
UT .....	540	550	550	4.40	4.00	4.00	2,376	2,200	2,200
VT .....	45	50	40	1.70	2.00	2.00	77	100	80
VA .....	120	120	110	2.50	4.00	3.10	300	480	341
WA .....	470	470	470	4.90	5.00	4.80	2,303	2,350	2,256
WV .....	50	50	50	2.10	3.20	2.50	105	160	125
WI .....	2,100	1,800	1,700	3.10	3.00	2.50	6,510	5,400	4,250
WY .....	660	620	580	2.70	2.30	2.20	1,782	1,426	1,276
US .....	24,055	23,077	23,812	3.51	3.48	3.37	84,385	80,347	80,266

<sup>1</sup> Preliminary.

NASS, Crops Branch, (202) 720-2127.

**Table 6-4.—Hay, all other: Area, yield, and production, by States, 1999–2001**

State	Area harvested			Yield per harvested acre			Production		
	1999	2000	2001 <sup>1</sup>	1999	2000	2001 <sup>1</sup>	1999	2000	2001 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL .....	800	720	920	2.30	1.80	2.60	1,840	1,296	2,392
AZ .....	40	42	43	4.30	4.00	3.30	172	168	142
AR .....	1,220	1,230	1,300	1.91	2.30	2.10	2,330	2,829	2,730
CA .....	530	510	530	2.90	2.80	3.10	1,537	1,428	1,643
CO .....	620	500	650	1.90	1.50	1.80	1,178	750	1,170
CT .....	50	53	55	1.50	2.10	1.80	75	111	99
DE .....	8	9	9	2.40	2.50	2.40	19	23	22
FL .....	260	270	270	2.90	2.50	2.80	754	675	756
GA .....	600	650	650	2.50	2.40	3.00	1,500	1,560	1,950
ID .....	280	260	300	1.90	2.10	1.90	532	546	570
IL .....	350	350	300	2.10	2.20	2.40	735	770	720
IN .....	300	320	280	2.50	2.70	2.60	750	864	728
IA .....	400	450	400	2.25	2.50	2.35	900	1,125	940
KS .....	1,850	1,900	2,400	1.90	1.50	1.60	3,515	2,850	3,840
KY .....	2,150	2,200	2,100	1.90	2.40	2.20	4,085	5,280	4,620
LA .....	380	350	450	2.40	1.90	2.80	912	665	1,260
ME .....	150	120	120	1.40	1.80	1.50	210	216	180
MD .....	150	170	160	2.40	2.50	2.00	360	425	320
MA .....	90	80	80	1.50	2.00	1.80	135	160	144
MI .....	350	300	250	2.30	2.10	2.20	805	630	550
MN .....	850	700	700	1.80	1.80	1.60	1,530	1,260	1,120
MS .....	850	800	780	1.90	1.60	2.50	1,615	1,280	1,950
MO .....	3,200	3,250	3,600	1.85	1.60	1.80	5,920	5,200	6,480
MT .....	950	800	1,000	1.50	1.30	1.40	1,425	1,040	1,400
NE .....	1,800	1,700	1,800	1.40	1.10	1.35	2,520	1,870	2,430
NV .....	225	225	230	1.80	1.70	1.70	405	383	391
NH .....	55	50	50	1.70	1.70	1.70	94	85	85
NJ .....	100	100	90	1.60	1.70	1.70	160	170	153
NM .....	90	90	110	2.20	1.80	2.20	198	162	242
NY .....	950	1,100	1,100	1.80	1.90	1.80	1,710	2,090	1,980
NC .....	690	690	690	2.15	2.60	2.20	1,484	1,794	1,518
ND .....	1,450	1,100	1,100	1.65	1.70	1.55	2,393	1,870	1,705
OH .....	700	830	950	1.80	2.70	2.40	1,260	2,241	2,280
OK .....	2,200	2,100	2,200	1.70	1.70	1.40	3,740	3,570	3,080
OR .....	680	690	565	2.00	2.00	1.90	1,360	1,380	1,074
PA .....	1,200	1,150	980	1.40	2.10	1.80	1,680	2,415	1,764
RI .....	7	8	7	1.80	2.10	1.70	13	17	12
SC .....	300	300	320	2.10	2.40	2.00	630	720	640
SD .....	1,600	1,400	1,700	1.70	1.40	1.50	2,720	1,960	2,550
TN .....	1,850	2,000	2,100	2.00	2.30	2.20	3,700	4,600	4,620
TX .....	5,400	4,000	5,100	2.30	2.10	2.00	12,420	8,400	10,200
UT .....	160	150	160	2.30	2.00	2.10	368	300	336
VT .....	200	180	200	1.70	1.70	1.60	340	306	320
VA .....	1,150	1,200	1,200	1.60	2.30	2.00	1,840	2,760	2,400
WA .....	270	310	320	2.80	2.90	2.60	756	899	832
WV .....	530	550	530	1.30	2.10	1.80	689	1,155	954
WI .....	500	300	300	2.00	2.00	1.80	1,000	600	540
WY .....	630	520	550	1.60	1.30	1.10	1,008	676	605
US .....	39,165	36,777	39,699	1.92	1.95	1.93	75,322	71,574	76,437

<sup>1</sup> Preliminary.  
NASS, Crops Branch, (202) 720-2127.

Table 6-5.—Hay, all: Area, yield, and production, by States, 1999–2001

State	Area harvested			Yield per harvested acre			Production		
	1999	2000	2001 <sup>1</sup>	1999	2000	2001 <sup>1</sup>	1999	2000	2001 <sup>1</sup>
	1,000 acres	1,000 acres	1,000 acres	Tons	Tons	Tons	1,000 tons	1,000 tons	1,000 tons
AL .....	800	720	920	2.30	1.80	2.60	1,840	1,296	2,392
AZ .....	240	247	258	7.30	7.57	7.22	1,752	1,870	1,862
AR .....	1,240	1,250	1,320	1.92	2.30	2.12	2,380	2,879	2,792
CA .....	1,580	1,530	1,540	5.56	5.60	5.79	8,782	8,568	8,915
CO .....	1,520	1,400	1,600	3.03	2.91	2.99	4,598	4,080	4,780
CT .....	61	65	63	1.54	2.11	1.86	94	137	117
DE .....	15	17	17	3.07	3.71	2.88	46	63	49
FL .....	260	270	270	2.90	2.50	2.80	754	675	756
GA .....	600	650	650	2.50	2.40	3.00	1,500	1,560	1,950
ID .....	1,430	1,390	1,420	3.59	3.81	3.48	5,132	5,292	4,938
IL .....	850	850	800	3.22	3.14	3.34	2,735	2,670	2,670
IN .....	700	750	610	3.19	3.50	3.36	2,230	2,627	2,048
IA .....	1,700	1,700	1,650	3.51	3.53	3.37	5,970	6,000	5,565
KS .....	2,750	2,800	3,300	2.72	2.34	2.42	7,475	6,540	7,980
KY .....	2,400	2,450	2,350	2.00	2.55	2.36	4,810	6,255	5,545
LA .....	380	350	450	2.40	1.90	2.80	912	665	1,260
ME .....	162	132	130	1.42	1.83	1.55	230	242	202
MD .....	210	235	225	2.51	3.03	2.32	528	711	522
MA .....	107	96	98	1.56	2.05	1.89	167	197	185
MI .....	1,300	1,300	1,150	3.40	3.33	3.30	4,415	4,330	3,790
MN .....	2,450	2,250	2,150	2.91	3.04	2.88	7,130	6,840	6,195
MS .....	850	800	780	1.90	1.60	2.50	1,615	1,280	1,950
MO .....	3,650	3,720	4,050	1.98	1.79	1.94	7,225	6,657	7,853
MT .....	2,600	2,000	2,450	1.94	1.78	1.81	5,055	3,560	4,445
NE .....	3,200	3,050	3,250	2.41	1.99	2.33	7,700	6,055	7,578
NV .....	480	490	495	3.02	3.27	3.20	1,451	1,602	1,584
NH .....	62	58	57	1.76	1.74	1.74	109	101	99
NJ .....	130	130	120	1.85	2.00	2.13	241	260	255
NM .....	380	380	380	4.49	4.39	4.19	1,706	1,670	1,592
NY .....	1,500	1,520	1,660	1.98	2.04	2.14	2,975	3,098	3,548
NC .....	710	710	710	2.17	2.60	2.22	1,544	1,848	1,578
ND .....	2,900	2,450	2,700	1.90	2.09	1.88	5,511	5,110	5,065
OH .....	1,300	1,400	1,520	2.35	3.23	2.81	3,060	4,521	4,275
OK .....	2,560	2,430	2,540	1.95	1.92	1.56	5,000	4,659	3,964
OR .....	1,100	1,080	1,025	2.92	2.79	2.98	3,208	3,018	3,052
PA .....	1,900	1,800	1,650	1.77	2.46	2.08	3,360	4,430	3,439
RI .....	8	9	8	1.88	2.22	1.75	15	20	14
SC .....	300	300	320	2.10	2.40	2.00	630	720	640
SD .....	4,000	4,050	4,700	2.36	1.83	1.95	9,440	7,393	9,150
TN .....	1,880	2,035	2,135	2.02	2.32	2.23	3,793	4,730	4,757
TX .....	5,530	4,120	5,230	2.38	2.16	2.07	13,135	8,880	10,837
UT .....	700	700	710	3.92	3.57	3.57	2,744	2,500	2,536
VT .....	245	230	240	1.70	1.77	1.67	417	406	400
VA .....	1,270	1,320	1,310	1.69	2.45	2.09	2,140	3,240	2,741
WA .....	740	780	790	4.13	4.17	3.91	3,059	3,249	3,088
WV .....	580	600	580	1.37	2.19	1.86	794	1,315	1,079
WI .....	2,600	2,100	2,000	2.89	2.86	2.40	7,510	6,000	4,790
WY .....	1,290	1,140	1,130	2.16	1.84	1.66	2,790	2,102	1,881
US .....	63,220	59,854	63,511	2.53	2.54	2.47	159,707	151,921	156,703

<sup>1</sup> Preliminary.

NASS, Crops Branch, (202) 720-2127.

**Table 6-6.—Hay, all: Marketing year average price and value of production, by States, crop of 1999, 2000, and 2001**

State	Marketing year average price per ton, baled			Value of production		
	1999	2000	2001	1999	2000	2001
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
AL .....	55.00	56.00	55.00	101,200	72,576	131,560
AZ .....	88.50	94.00	99.00	153,434	174,688	183,273
AR .....	60.00	58.50	65.00	130,920	164,374	168,758
CA .....	89.00	90.50	116.00	767,325	768,978	1,020,510
CO .....	69.00	85.50	100.00	310,194	347,880	472,150
CT .....	138.00	142.00	144.00	12,958	19,386	16,794
DE .....	127.00	112.00	136.00	5,987	7,244	6,616
FL .....	95.50	82.00	105.00	72,007	55,350	79,380
GA .....	64.00	59.00	63.00	96,000	92,040	122,850
ID .....	83.00	94.50	119.00	417,788	491,547	573,465
IL .....	80.00	83.00	88.00	213,570	216,095	231,645
IN .....	91.00	86.00	88.00	194,560	216,628	172,720
IA .....	74.50	82.00	90.00	432,285	473,438	483,818
KS .....	65.00	77.00	91.50	452,060	468,465	651,180
KY .....	89.00	81.50	70.50	405,630	475,875	359,073
LA .....	51.00	49.00	51.00	46,512	32,585	64,260
ME .....	100.00	106.00	102.00	23,080	25,732	20,610
MD .....	127.00	113.00	132.00	66,024	79,934	68,768
MA .....	140.00	143.00	144.00	23,338	27,668	26,595
MI .....	69.00	62.50	69.50	305,805	272,040	264,325
MN .....	60.00	59.00	58.00	433,340	422,730	369,565
MS .....	42.50	45.00	40.00	68,638	57,600	78,000
MO .....	72.00	70.50	71.00	518,515	480,585	555,151
MT .....	65.00	85.50	90.50	319,380	299,100	397,163
NE .....	37.50	69.50	72.00	286,440	416,103	537,687
NV .....	83.00	93.50	113.00	119,859	150,484	179,774
NH .....	130.00	128.00	127.00	14,139	12,951	12,568
NJ .....	139.00	108.00	109.00	33,446	27,890	27,948
NM .....	113.00	122.00	124.00	193,540	203,516	195,026
NY .....	108.00	103.00	103.00	307,820	315,367	344,414
NC .....	77.00	71.00	77.00	118,500	131,520	121,050
ND .....	39.00	42.50	46.00	203,471	207,010	226,848
OH .....	102.00	90.00	91.50	310,500	387,618	369,645
OK .....	69.00	73.50	86.50	289,060	284,498	278,276
OR .....	92.00	94.50	112.00	286,208	278,772	336,508
PA .....	129.00	109.00	113.00	440,160	491,360	394,328
RI .....	142.00	143.00	143.00	2,131	2,850	1,994
SC .....	75.00	80.00	80.00	47,250	57,600	51,200
SD .....	43.00	63.50	67.50	387,360	453,191	590,475
TN .....	53.00	51.00	52.00	199,581	240,090	247,303
TX .....	71.50	76.00	76.00	870,630	607,080	748,354
UT .....	71.50	78.50	96.50	187,248	190,500	234,752
VT .....	105.00	109.00	110.00	43,779	44,412	44,080
VA .....	88.00	85.50	84.00	191,160	276,840	235,674
WA .....	98.00	107.00	119.00	307,027	355,261	375,328
WV .....	67.00	62.50	62.00	53,120	82,510	67,174
WI .....	47.00	41.50	52.50	371,520	281,400	269,040
WY .....	65.00	84.50	109.00	179,874	175,290	203,885
US .....	76.90	85.00	97.30	11,014,373	11,416,651	12,611,560

NASS, Crops Branch, (202) 720-2127.

**Table 6-7.—Hay: Area and production, by kinds, United States, 1992-2001**

Year	Area harvested			Production		
	Alfalfa	All other hay	All hay	Alfalfa	All other hay	All hay
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>
1992 .....	24,070	34,833	58,903	79,140	67,763	146,903
1993 .....	24,673	35,016	59,689	80,115	66,584	146,699
1994 .....	24,138	34,677	58,815	81,130	69,006	150,136
1995 .....	24,404	35,360	59,764	84,138	70,101	154,239
1996 .....	24,206	36,963	61,169	79,139	70,640	149,779
1997 .....	23,551	37,533	61,084	78,535	74,001	152,536
1998 .....	23,672	36,404	60,076	82,310	69,470	151,780
1999 .....	24,055	39,165	63,220	84,385	75,322	159,707
2000 .....	23,077	36,777	59,854	80,347	71,574	151,921
2001 <sup>1</sup> .....	23,812	39,699	63,511	80,266	76,437	156,703

<sup>1</sup> Preliminary.

NASS, Crops Branch, (202) 720-2127.

**Table 6-8.—Hay: Supply and disappearance, prices, and number of animal units fed annually, United States, 1992–2001<sup>1</sup>**

Year beginning May	Farm carryover May 1	Production	Total supply	Disappearance	Roughage-consuming animal units	Supply per animal unit	Disappearance per animal unit	Price received per ton
	Million tons	Million tons	Million tons	Million tons	Million units	Tons	Tons	Dollars
1992 .....	28.2	146.9	175.1	154.1	75.3	2.33	2.05	74.30
1993 .....	21.0	146.7	167.7	145.7	76.5	2.19	1.91	84.70
1994 .....	22.1	150.1	172.2	151.4	78.0	2.21	1.94	86.70
1995 .....	20.8	154.2	175.0	154.2	78.1	2.24	1.97	82.20
1996 .....	20.8	149.8	170.5	152.8	76.4	2.23	2.00	95.80
1997 .....	17.4	152.5	170.0	148.1	74.9	2.27	1.98	100.00
1998 .....	21.8	151.8	173.6	148.8	74.5	2.33	2.00	84.60
1999 .....	24.8	159.7	184.5	155.7	73.3	2.52	2.12	76.90
2000 .....	28.8	152.2	181.0	159.6	72.5	2.49	2.20	83.0
2001 <sup>2</sup> .....	21.1	156.7	177.8	159.6	72.0	2.47	2.20	NA

<sup>1</sup> Excludes trade. <sup>2</sup> Preliminary. NA—not available.  
ERS, Market and Trade Economics Division, (202) 694-5296.

**Table 6-9.—Field seeds: Average retail price paid by farmers for seed, Apr. 15, United States, 1992–2001**

Kind of seed	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
	Price per 100 pounds									
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Alfalfa, uncertified varieties .....	146.00	152.00	161.00	168.00	185.00	185.00	205.00	184.00	165.00	158.00
Alfalfa, certified varieties .....	252.00	269.00	266.00	274.00	277.00	282.00	288.00	287.00	277.00	278.00
Clover, red .....	122.00	148.00	148.00	134.00	172.00	184.00	194.00	178.00	143.00	132.00
Clover, ladino .....	316.00	324.00	321.00	320.00	318.00	307.00	308.00	298.00	285.00	285.00
Lespedeza, Korean .....	92.40	132.00	84.50	66.00	99.00	90.00	89.00	76.15	77.50	160.00
Lespedeza, Striate, Kobe .....	99.30	119.00	82.40	95.60	125.00	112.00	108.00	96.00	90.00	180.00
Lespedeza, Sericea .....	92.80	92.10	169.00	178.00	291.00	220.00	290.00	294.00	310.00	330.00
Timothy .....	66.30	80.60	76.00	71.00	76.00	73.00	71.20	78.80	115.00	105.00
Orchardgrass .....	100.00	122.00	161.00	148.00	141.00	119.00	116.00	107.00	108.00	135.00
Blue Grass, Kentucky: Public and common .....	122.00	239.00	211.00	159.00	172.00	153.00	152.00	129.00	158.00	140.00
Proprietary, including Merion .....	189.00	283.00	274.00	228.00	243.00	224.00	216.00	204.00	214.00	220.00
Ryegrass, annual .....	43.80	56.70	64.60	67.60	58.80	57.90	65.30	64.20	60.50	55.50
Tall fescue .....	67.80	87.00	71.50	88.10	109.00	148.00	101	99.50	91.00	114
Sudangrass .....	47.10	45.20	47.90	51.80	51.90	51.40	53.70	52.20	53.00	53.00
Potatoes .....	6.95	8.60	10.20	7.90	10.30	7.60	9.10	8.50	10.45	8.50
Peanuts .....	77.20	77.30	86.90	79.50	82.00	81.75	83.60	80.90	81.70	82.60
Sunflower .....	300.00	300.00	297.00	297.00	313.00	355.00	380	400	395	407
Cottonseed, all .....	59.70	62.70	63.50	68.20	73.00	74.90	79.30	82.40	128	154
Biotech <sup>1</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	217
Non-biotech .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	87.00
Grain sorghum, hybrid ..	72.30	74.50	82.10	78.70	84.00	92.00	96.00	97.60	93.00	93.00
	Price per bushel									
	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
Corn, hybrid, all <sup>2</sup> .....	71.80	72.70	73.40	77.10	77.70	83.50	86.90	88.10	87.50	92.20
Biotech <sup>1</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	110
Non-biotech .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	85.30
Wheat (spring) .....	6.06	5.98	7.37	7.12	8.10	7.30	6.85	6.10	6.10	6.20
Wheat (winter) .....	7.41	7.73	7.90	7.80	8.50	10.00	8.25	7.35	7.05	7.20
Oats (spring) .....	4.26	4.39	4.69	4.51	5.19	5.32	5.02	4.60	4.50	4.70
Rice .....	16.50	15.40	22.00	15.10	17.50	19.00	19.50	19.10	17.25	15.70
Barley (spring) .....	5.10	5.00	5.18	5.37	6.49	6.13	6.04	5.80	5.80	5.80
Soybeans for seed, all ..	12.40	12.40	13.60	13.40	14.80	16.10	17.15	17.00	17.10	20.70
Biotech <sup>1</sup> .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23.90
Non-biotech .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17.90
Flaxseed .....	7.94	7.37	7.74	8.00	8.14	9.31	10.00	8.50	7.90	7.60

<sup>1</sup> Biotech varieties are made to be resistant to herbicides, insects, or both. A technology fee is included within the price. <sup>2</sup> Price per 80,000 kernels.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-3570.

**Table 6-10—Beans, dry edible (cleaned basis): Production, by classes, United States, 1999–2001<sup>1</sup>**

Class	1999	2000	2001 <sup>2</sup>
	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
Navy (pea beans) .....	7,294	4,771	2,312
Great northern .....	2,469	2,489	2,088
Small white .....	112	64	39
Pinto .....	10,839	10,670	8,561
Red kidney, light .....	1,375	1,352	846
Red kidney, dark .....	1,040	1,014	737
Pink .....	815	320	326
Small red .....	900	313	172
Cranberry .....	577	449	153
Black .....	3,371	1,336	783
Large lima (CA) .....	433	437	326
Baby lima (CA) .....	620	542	235
Blackeye .....	1,302	382	553
Garbanzo .....	735	1,308	1,606
Other .....	1,203	962	804
<b>Total .....</b>	<b>33,085</b>	<b>26,409</b>	<b>19,541</b>

<sup>1</sup> Excludes beans grown for garden seed. <sup>2</sup> Preliminary.  
NASS, Crops Branch, (202) 720-2127.

**Table 6-11.—Beans, dry edible: Area, yield, and production, by States, 1999–2001<sup>1</sup>**

State	Area planted			Area harvested			Yield per acre (cleaned basis)			Production (cleaned basis)		
	1999	2000	2001 <sup>2</sup>	1999	2000	2001 <sup>2</sup>	1999	2000	2001 <sup>2</sup>	1999	2000	2001 <sup>2</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>
CA .....	135.0	115.0	92.0	132.0	112.0	89.0	1,860	1,840	1,800	2,455	2,059	1,602
CO .....	155.0	120.0	115.0	145.0	110.0	105.0	1,900	1,800	1,700	2,755	1,980	1,785
ID .....	105.0	90.0	75.0	103.0	88.0	73.0	2,050	1,950	1,950	2,112	1,716	1,424
KS .....	22.0	18.0	15.0	20.9	16.0	14.0	1,850	1,810	1,850	387	289	259
MI .....	350.0	285.0	215.0	350.0	275.0	130.0	2,100	1,500	600	7,350	4,125	780
MN .....	205.0	165.0	115.0	165.0	150.0	105.0	1,550	1,600	1,500	2,558	2,400	1,575
MT .....	26.5	40.5	38.5	25.5	34.8	24.0	1,730	1,400	1,380	441	486	332
NE .....	210.0	165.0	160.0	187.0	156.0	148.0	2,000	2,070	2,150	3,740	3,230	3,185
NM <sup>3</sup> ..	1.0	.....	13.0	1.0	.....	13.0	1,800	.....	2,000	18	.....	260
NY .....	31.0	25.0	23.0	30.2	24.5	22.3	1,370	1,460	870	414	358	194
ND .....	630.0	610.0	440.0	570.0	525.0	400.0	1,450	1,450	1,550	8,265	7,613	6,200
OR .....	11.5	12.0	10.0	10.8	11.7	9.5	1,610	1,800	1,810	174	211	172
SD <sup>4</sup> ..	.....	11.0	18.0	.....	10.8	17.0	.....	2,090	1,590	.....	226	270
TX .....	50.0	20.0	30.0	47.0	16.6	26.4	1,490	950	1,320	701	158	348
UT .....	6.7	5.4	6.1	6.6	3.0	5.7	800	330	300	53	10	17
WA .....	36.0	32.0	34.0	36.0	32.0	34.0	2,080	2,000	1,700	750	640	578
WI .....	8.3	8.3	6.3	8.0	8.1	6.1	1,550	1,800	1,800	124	146	110
WY .....	40.0	36.0	24.0	39.0	34.0	21.0	2,020	2,240	2,140	788	762	450
<b>US</b>	<b>2,023.0</b>	<b>1,758.2</b>	<b>1,429.9</b>	<b>1,877.0</b>	<b>1,607.5</b>	<b>1,243.0</b>	<b>1,763</b>	<b>1,643</b>	<b>1,572</b>	<b>33,085</b>	<b>26,409</b>	<b>19,541</b>

<sup>1</sup> Excludes beans grown for garden seed. <sup>2</sup> Preliminary. <sup>3</sup> Estimates discontinued in 2000. <sup>4</sup> Estimate began in 2000.  
NASS, Crops Branch, (202) 720-2127.

**Table 6-12.—Beans, dry edible: Area, yield, production, price, and value, United States, 1992–2001<sup>1</sup>**

Year	Area planted	Area harvested	Yield per acre <sup>2</sup>	Production <sup>2</sup>	Marketing year average price per 100 pounds received by farmers	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 cwt.</i>	<i>Dollars</i>	<i>1,000 dollars</i>
1992 .....	1,640.6	1,529.9	1,478	22,615	19.90	457,269
1993 .....	1,867.9	1,618.0	1,351	21,862	24.60	538,210
1994 .....	2,011.8	1,831.2	1,581	28,950	22.50	631,080
1995 .....	2,066.3	1,896.3	1,618	30,689	20.80	633,620
1996 .....	1,839.0	1,750.7	1,594	27,912	23.50	652,240
1997 .....	1,869.8	1,758.8	1,670	29,370	19.30	576,658
1998 .....	2,014.1	1,917.7	1,586	30,418	19.00	567,243
1999 .....	2,023.0	1,877.0	1,763	33,085	16.40	547,636
2000 .....	1,758.2	1,607.5	1,643	26,409	15.50	413,986
2001 <sup>3</sup> .....	1,429.9	1,243.0	1,572	19,541	19.40	392,937

<sup>1</sup> Excludes beans grown for garden seed. <sup>2</sup> Cleaned basis. <sup>3</sup> Preliminary.  
NASS, Crops Branch, (202) 720-2127.

**Table 6-13.—Beans, dry edible (cleaned basis): Marketing year average price and value of production, by States, crop of 1999, 2000, and 2001<sup>1</sup>**

State	Marketing year average price per cwt.			Value of production		
	1999	2000	2001 <sup>2</sup>	1999	2000	2001 <sup>2</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
CA .....	27.00	26.80	30.00	66,285	55,181	48,060
CO .....	15.10	15.60	20.20	41,601	30,888	36,057
ID .....	15.30	17.30	19.00	32,314	29,687	27,056
KS .....	14.10	13.90	18.00	5,457	4,017	4,662
MI .....	16.80	13.70	24.30	123,480	56,513	18,954
MN .....	17.30	15.90	24.50	44,253	38,160	38,588
MT .....	17.90	16.30	17.30	7,894	7,922	5,744
NE .....	16.30	15.80	17.80	60,962	51,034	56,693
NM <sup>3</sup> .....	21.00	.....	23.00	378	.....	5,980
NY .....	19.40	18.80	23.10	8,032	6,730	4,481
ND .....	13.90	12.60	17.50	114,884	95,924	108,500
OR .....	18.80	17.90	18.80	3,271	3,777	3,234
SD <sup>4</sup> .....	.....	14.50	18.70	.....	3,277	5,049
TX .....	13.50	19.00	20.00	9,464	3,002	6,960
UT .....	17.70	20.60	21.90	938	206	372
WA .....	17.40	18.30	19.20	13,050	11,712	11,098
WI .....	22.30	21.60	28.40	2,765	3,154	3,124
WY .....	16.00	16.80	18.50	12,608	12,802	8,325
US .....	16.40	15.50	19.40	547,636	413,986	392,937

<sup>1</sup> Excludes beans grown for garden seed. <sup>2</sup> Preliminary. <sup>3</sup> Estimates discontinued in 2000, reinstated in 2001. <sup>4</sup> Estimates began in 2000.

NASS, Crops Branch, (202) 720-2127.

**Table 6-14.—Beans, dry edible: Season average wholesale price per 100 pounds, selected markets, 1991–2000**

Year beginning September	F.o.b. California points			F.o.b. Northern Colorado points: Pinto	F.o.b. Western Nebraska points: Great northern	F.o.b. Southern Idaho points: Small red	F.o.b. Michigan points:		
	Baby lima	Large lima	Blackeye				Pea bean (Navy)	Black	Light red kidney
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
1991 .....	21.83	38.93	23.68	17.91	18.93	25.62	17.71	19.89	29.88
1992 .....	22.70	27.48	25.80	23.81	21.25	30.02	21.15	24.26	34.82
1993 .....	34.65	41.87	42.72	33.28	33.24	29.33	23.73	27.97	30.57
1994 .....	33.80	44.65	40.25	21.33	37.19	28.19	31.57	32.59	28.77
1995 .....	39.66	49.97	29.36	25.74	38.55	28.87	23.88	22.86	29.02
1996 .....	45.58	57.09	32.57	27.56	26.61	39.31	23.11	27.08	37.76
1997 .....	27.51	39.81	31.00	26.48	27.07	28.16	20.82	33.19	28.49
1998 .....	41.27	46.80	37.52	20.89	25.83	27.54	26.32	28.56	32.40
1999 .....	28.13	35.48	23.41	19.75	24.24	21.83	19.19	18.36	26.78
2000 <sup>1</sup> .....	25.68	34.04	25.91	20.99	23.22	24.32	16.43	18.38	25.47

<sup>1</sup> Preliminary.

ERS, Specialty Crops Branch, (202) 694-5253. Compiled from the Bean Market Summary, Agricultural Marketing Service, U.S. Department of Agriculture, Greeley, Colorado.



**Table 6-15.—Beans, dry edible: United States exports by class and quantity, 1991/92–2000/2001**

Year <sup>1</sup>	Navy or pea	Great northern	Other white	Pinto	Red kidney	Other <sup>2</sup>	Total
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
1991/92 .....	97,070	29,573	4,376	104,089	44,529	116,875	396,512
1992/93 .....	81,612	15,128	6,974	47,056	35,128	104,460	290,358
1993/94 .....	68,350	15,503	1,481	61,997	33,365	86,743	274,926
1994/95 .....	95,426	36,484	7,438	145,642	38,168	82,329	418,794
1995/96 .....	86,464	28,291	1,126	82,042	32,379	141,736	329,152
1996/97 .....	95,279	40,773	551	74,960	35,335	139,304	353,925
1997/98 .....	107,669	50,202	1,338	96,256	33,305	184,016	473,835
1998/99 .....	90,679	42,011	1,561	94,991	27,680	154,655	374,145
1999/2000 .....	67,266	38,204	1,388	64,337	28,662	142,396	327,394
2000/2001 .....	90,042	50,228	1,565	92,748	32,010	88,791	370,176

<sup>1</sup> Marketing year beginning September. <sup>2</sup> Includes other colored, black, blackeye, and limas.  
 FAS, Grain and Feed Division, (202) 720–6219. Compiled from reports of the U.S. Department of Commerce.

**Table 6-16.—Beans, dry edible: United States exports to specified countries, 1998/99–2000/2001<sup>1 2</sup>**

Country	1998/99	1999/2000	2000/2001
	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>	<i>1,000 metric tons</i>
Mexico .....	74	75	90
United Kingdom .....	58	35	59
Canada .....	34	20	22
Haiti .....	24	25	21
Algeria .....	8	9	18
Japan .....	13	17	17
Italy .....	18	18	15
France .....	9	11	13
Angola .....	3	16	12
Dominican Republic .....	17	7	10
Russian Federation .....	1	2	8
Netherlands .....	5	4	7
Greece .....	6	4	6
Guatemala .....	4	2	6
Venezuela .....	3	2	6
Spain .....	3	5	5
Turkey .....	1	1	4
Australia .....	3	5	4
New Zealand .....	4	2	4
Korea, Republic of .....	2	2	3
Other .....	86	64	40
Total .....	374	327	370

<sup>1</sup> Marketing year beginning September. <sup>2</sup> Excluding seed bean exports. Compiled from U.S. Census data.  
 FAS, Grain and Feed Division, (202) 720–6219.

**Table 6-17.—Peas, dry field: United States exports to specified countries, 1998/99–2000/2001**<sup>1 2 3</sup>

Country	1998/99	1999/2000	2000/2001
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
Philippines .....	13	7	14
India .....	7	5	13
Spain .....	3	7	12
Canada .....	4	8	10
Russian Federation .....	1	2	9
Peru .....	14	5	4
Algeria .....	2	1	4
Hungary .....	0	0	3
Kenya .....	1	2	3
Mexico .....	4	3	3
Italy .....	0	2	3
Korea, Republic of .....	2	1	2
Taiwan .....	3	2	2
Rwanda .....	12	8	2
Pakistan .....	0	2	2
Japan .....	1	2	2
United Kingdom .....	3	1	1
Sri Lanka .....	0	0	1
Sweden .....	0	0	1
Colombia .....	1	1	1
Other .....	35	30	11
<b>Total .....</b>	<b>107</b>	<b>89</b>	<b>104</b>

<sup>1</sup> Marketing year beginning September. <sup>2</sup> Excluding seed pea exports. <sup>3</sup> Regional totals include countries not listed. FAS, Grain and Feed Division, (202) 720-6219.

**Table 6-18.—Hops: Area, yield, production, value, and Sept. 1 stocks, United States, 1992–2001**

Year	Area harvested	Yield per acre	Production	Marketing year average price per pound received by farmers	Value of production	Stocks Sept. 1
	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>
1992 .....	42.3	1,759	74,337	174.0	129,328	56,250
1993 .....	43.1	1,767	76,144	176.0	133,965	58,060
1994 .....	42.4	1,758	74,560	181.0	134,701	63,000
1995 .....	43.2	1,826	78,852	171.0	135,087	55,900
1996 .....	44.2	1,698	74,971	165.0	123,530	58,700
1997 .....	43.3	1,729	74,872	160.0	119,840	62,000
1998 .....	36.6	1,625	59,548	169.0	100,728	55,000
1999 .....	34.3	1,881	64,456	169.0	109,099	54,000
2000 .....	36.1	1,871	67,577	187.0	126,217	48,000
2001 <sup>1</sup> .....	35.9	1,861	66,832	191.0	127,926	54,000

<sup>1</sup> Preliminary.  
NASS, Crops Branch, (202) 720-2127.

**Table 6-19.—Hops: Area, yield, and production, by States, 1999–2001**

State	Area harvested			Yield per acre			Production		
	1999	2000	2001 <sup>1</sup>	1999	2000	2001 <sup>1</sup>	1999	2000	2001 <sup>1</sup>
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
ID .....	3,362	3,321	3,469	1,408	1,484	1,329	4,734.0	4,929.8	4,609.3
OR .....	5,822	5,819	6,103	1,730	1,785	1,875	10,072.0	10,387.0	11,443.2
WA .....	25,076	26,980	26,339	1,980	1,937	1,928	49,650.0	52,260.0	50,779.6
US .....	34,260	36,120	35,911	1,881	1,871	1,861	64,456.0	67,576.8	66,832.1

<sup>1</sup> Preliminary.  
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**Table 6-20.—Hops: Marketing year average price and value of production, by States, crop of 1999, 2000, and 2001**

State	Marketing year average price per pound			Value of production		
	1999	2000	2001 <sup>1</sup>	1999	2000	2001 <sup>1</sup>
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
ID .....	1.61	1.78	1.61	7,622	8,775	7,421
OR .....	2.04	2.20	2.41	20,547	22,851	27,578
WA .....	1.63	1.81	1.83	80,930	94,591	92,927
Total .....	1.69	1.87	1.91	109,099	126,217	127,926

<sup>1</sup> Preliminary.  
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**Table 6-21.—Hops: United States exports by country of destination and imports by country of origin, 1998/99–2000/2001**

Item and country	Year beginning September		
	1998/99	1999/2000	2000/2001
	<i>Metric tons</i>	<i>Metric tons</i>	<i>Metric tons</i>
<b>Exports</b>			
North America:			
Canada .....	1,491	1,326	1,109
Mexico .....	933	974	898
Total .....	2,424	2,300	2,007
European Union:			
Germany .....	1,446	799	1,171
Belgium-Luxembourg .....	297	310	870
United Kingdom .....	974	1,001	628
Netherlands .....	135	130	243
Finland .....	10	75	91
Other Countries .....	646	387	348
Total .....	3,508	2,702	3,351
Asia:			
Japan .....	409	546	385
Philippines .....	105	134	146
Thailand .....	172	125	343
Hong Kong .....	237	94	264
Other Countries .....	559	105	412
Total .....	1,482	1,004	1,550
Latin America:			
Brazil .....	1,193	865	1,422
Colombia .....	655	268	285
Argentina .....	173	183	196
Dominican Republic .....	153	216	196
Ecuador .....	75	24	97
Peru .....	66	90	61
Other Countries .....	544	522	292
Total .....	2,859	2,168	2,549
Other countries:			
Russian Federation .....	80	141	140
Australia .....	93	126	104
Other Countries .....	136	339	141
Total .....	309	606	385
Grand total .....	10,582	8,780	9,842
<b>Imports</b>			
Germany .....	3,460	3,806	3,374
France .....	583	636	805
Czech Republic .....	123	79	302
New Zealand .....	233	139	282
United Kingdom .....	240	129	218
Australia .....	85	130	100
Poland .....	1	0	9
Ethiopia .....	0	0	4
Other Countries .....	138	30	2
Total .....	4,863	4,949	5,096

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