

# U.S. Farm Economics Summary

## Farm Numbers Up Slightly

There were over 2.19 million U.S. farms in 1999, up fractionally from 1998. The average farm size decreased to 432 acres. Land in farms declined slightly to 947 million acres. Farms with annual sales of over \$100,000 accounted for 15.9 percent of all farms and for 55.5 percent of land in farms, averaging 1,488 acres.

## Real Estate Values Up 2.9 Percent

The U.S. farm real estate value, including all land and buildings, averaged \$1,050 per acre on January 1, 2000, up 2.9 percent from January 1, 1999. The \$30 per acre increase continued the climb that began in 1987. However, the 2.9 percent increase is the smallest percentage gain since 1992. The overall increase was slowed by cropland values which rose only 2.1 percent during 1999 to a value of \$1,440 per acre. Pasture average value per acre for the U.S. increased \$14, with most States going up. During the 1990's the U.S. average farm real estate value increased 65 percent for an average of 6.5 percent a year.

## Cash Receipts Down 5.2 Percent

U.S. cash receipts from farm marketings totaled 196.8 billion in 1998, down 5.2 percent from the record \$207.6 billion in 1997. Crop cash receipts, at \$102.2 billion, were down 8.0 percent while livestock receipts, at \$94.5 billion, were down 2.1 percent. California led in cash receipts at \$24.6 billion, followed by Texas at \$13.2 billion, Iowa at \$11.0 billion, and Nebraska at \$8.8 billion.

## Prices Received Down and Prices Paid Unchanged

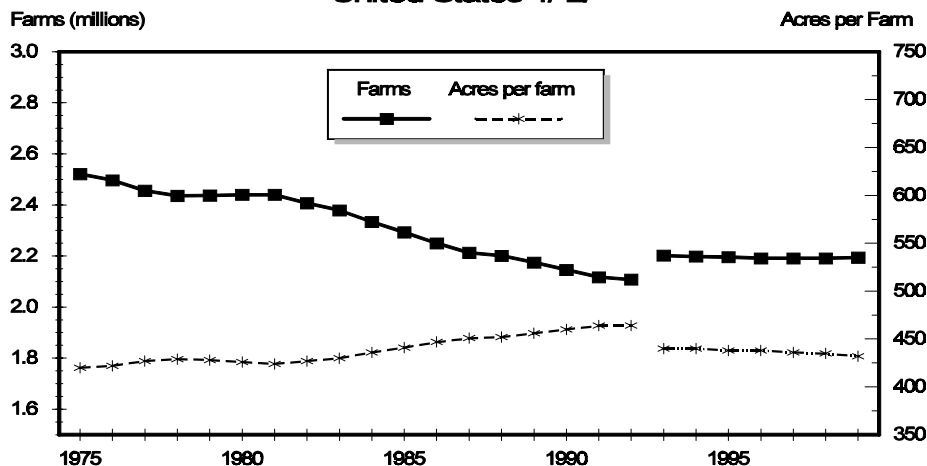
Average prices received by farmers for all farm products in 1999 were down 5.9 percent, with crop prices down 9.4 percent, largely due to substantial declines in soybeans, cotton, and grains. Livestock prices overall were down 2.1 percent from 1998 with meat animal price gains nearly offsetting losses in dairy and poultry. Overall the prices paid by farmers index was 115 (1990-92=100) in 1999, unchanged for 1998. The Prices paid index by crop farmers rose 0.8 percent to 119, but prices paid by livestock farmers remained unchanged at 112.

Ranchers in the 17 Western States paid monthly fees for grazing livestock on private non-irrigated grazing lands averaging \$11.10 per animal unit month, down 2.6 percent from 1998. Overall farm production expenditures rose 0.2 percent in 1998. U.S. annual average all hired wage rate rose to \$7.77 per hour in 1999, up from \$7.47 in 1998.

## Cotton and Soybean Exports Up

Cotton exports for crop year 1999 are expected to jump 50 percent and soybeans exports are expected to rise 14 percent. Wheat exports for expected to be up 1 percent and rice up 2 percent. Corn exports for the 1999 crop are expected to be down 2 percent. Red meat exports for calendar year 2000 are expected to be up 1 percent and poultry exports are expected to be up 2 percent.

**Number of Farms and Average Size Farm 1975-1999**  
United States 1/ 2/



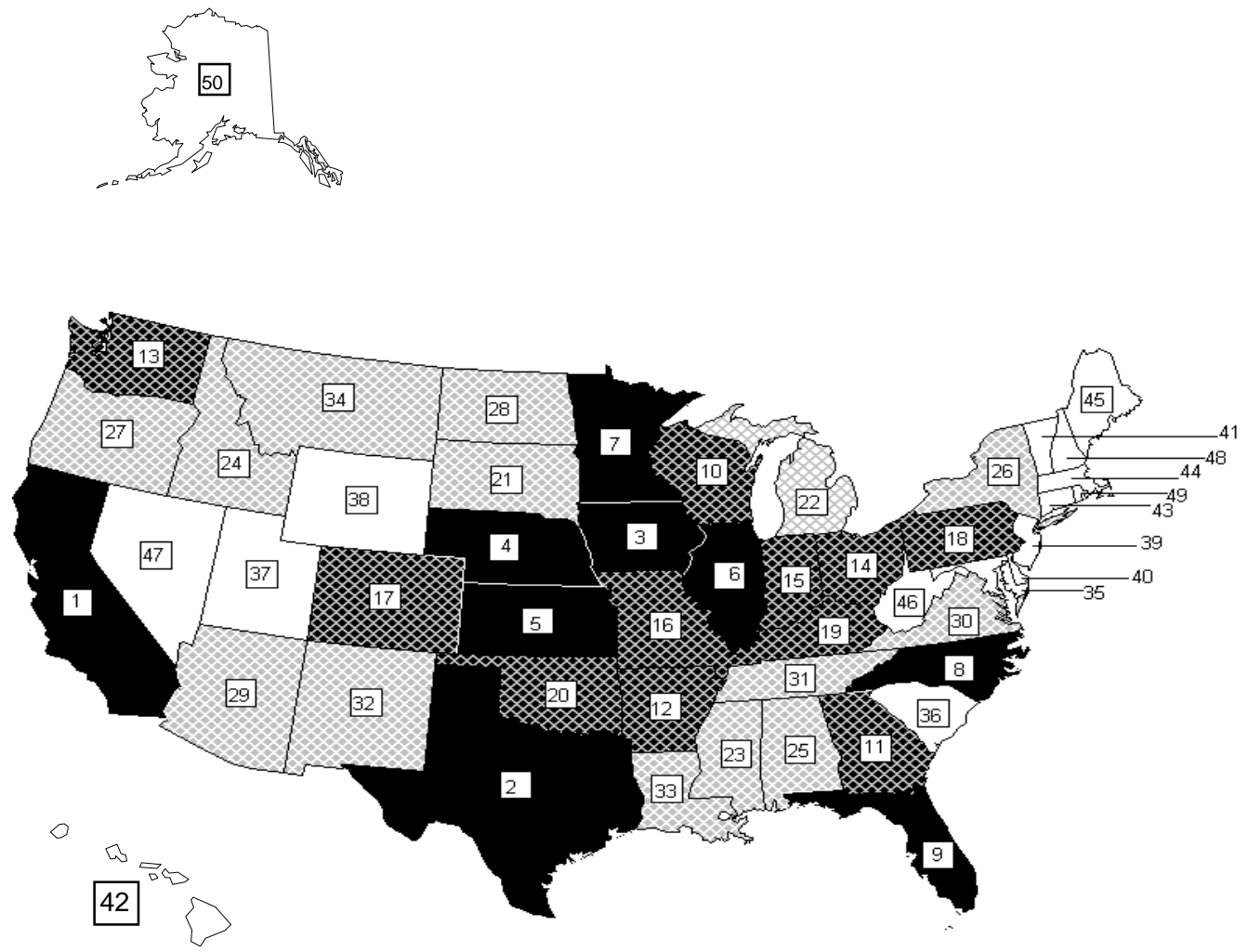
1/ Farm definition changed beginning in 1983 to include equine, maple syrup, and short rotation woody crop farms.  
2/ 1975-92 estimates are for Number of Farms on June 1.  
1993-99 estimates are for Number of Farms during the entire calendar year.  
NASS, Environmental, Economic, and Demographic Branch, (202) 720-6146

Cash Receipts: State Rankings, 1998

State	Total Cash Receipts		Livestock and Products		Crops	
	Rank	Cash Receipts <i>million dollars</i>	Rank	Cash Receipts <i>million dollars</i>	Rank	Cash Receipts <i>million dollars</i>
Alabama	25	3,283	14	2,587	34	696
Alaska	50	47	49	27	50	20
Arizona	29	2,368	31	943	24	1,425
Arkansas	12	5,422	10	3,250	16	2,172
California	1	24,616	2	6,845	1	17,771
Colorado	17	4,310	12	2,857	23	1,453
Connecticut	43	509	43	228	40	281
Delaware	40	774	38	609	44	164
Florida	9	6,762	27	1,407	4	5,355
Georgia	11	5,454	9	3,408	18	2,047
Hawaii	42	510	47	92	38	418
Idaho	24	3,320	22	1,585	21	1,735
Illinois	6	7,742	23	1,575	3	6,167
Indiana	15	4,885	21	1,639	11	3,245
Iowa	3	10,994	4	4,778	2	6,217
Kansas	5	7,784	5	4,537	9	3,247
Kentucky	19	3,920	17	2,134	20	1,787
Louisiana	33	1,891	37	645	27	1,245
Maine	45	506	42	282	42	224
Maryland	35	1,520	30	949	36	571
Massachusetts	44	507	46	112	39	395
Michigan	22	3,480	28	1,323	17	2,158
Minnesota	7	7,680	8	3,755	6	3,925
Mississippi	23	3,454	16	2,169	25	1,285
Missouri	16	4,682	15	2,420	15	2,262
Montana	34	1,799	32	865	31	934
Nebraska	4	8,848	3	5,124	7	3,725
Nevada	47	337	44	194	45	143
New Hampshire	48	151	48	69	47	82
New Jersey	39	828	45	178	35	650
New Mexico	32	1,950	26	1,437	37	513
New York	26	3,146	18	2,092	30	1,054
North Carolina	8	7,164	7	3,917	10	3,247
North Dakota	28	3,004	39	549	13	2,455
Ohio	14	4,973	19	1,848	12	3,124
Oklahoma	20	3,900	13	2,838	29	1,062
Oregon	27	3,092	34	762	14	2,330
Pennsylvania	18	4,175	11	2,914	26	1,261
Rhode Island	49	65	50	9	49	56
South Carolina	36	1,511	33	763	33	748
South Dakota	21	3,508	25	1,557	19	1,951
Tennessee	31	2,216	29	1,038	28	1,177
Texas	2	13,206	1	8,220	5	4,986
Utah	37	981	35	736	41	245
Vermont	41	557	40	472	46	84
Virginia	30	2,328	24	1,561	32	768
Washington	13	5,155	20	1,730	8	3,424
West Virginia	46	405	41	336	48	69
Wisconsin	10	6,193	6	4,492	22	1,701
Wyoming	38	850	36	681	43	170

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### States Ranked by 1998 Cash Receipts



- The top 9 states comprise 48 percent of total cash receipts:  
 CA, FL, IL, IA, KS, MN, NC, NE, TX
  
- The next 11 states comprise 27 percent:  
 AR, CO, GA, IN, KY, MO, OH, OK, PA, WA, WI
  
- The next 14 states comprise 20 percent:  
 AL, AZ, ID, LA, MI, MS, MT, ND, NM, NY, OR, SD, TN, VA
  
- The remaining 16 states comprise 5 percent:  
 AK, CT, DE, HI, MA, MD, ME, NH, NJ, NV, RI, SC, UT, VT, WV, WY

Cash Receipts: Top 5 Commodities in Each State, 1998

Rank	Alabama		Alaska		Arizona		Arkansas		California	
	Commodity	Cash Receipts	Commodity	Cash Receipts	Commodity	Cash Receipts	Commodity	Cash Receipts	Commodity	Cash Receipts
		<i>million dollars</i>		<i>million dollars</i>		<i>million dollars</i>		<i>million dollars</i>		<i>million dollars</i>
1	Broilers	1,807	Greenhse/nursery	13	Cattle and calves	455	Broilers	2,135	Dairy products	4,290
2	Cattle and calves	376	Dairy products	3	Lettuce	410	Rice	793	Greenhse/nursery	2,469
3	Chicken eggs	216	Cattle and calves	3	Dairy products	390	Soybean	528	Grapes	2,414
4	Greenhse/nursery	210	Hay	3	Cotton	305	Cotton	515	Cattle and calves	1,205
5	Cotton	200	Potatoes	2	Greenhse/nursery	89	Cattle and calves	324	Lettuce	1,114
		<b>Colorado</b>	<b>Connecticut</b>		<b>Delaware</b>		<b>Florida</b>		<b>Georgia</b>	
1	Cattle and calves	2,149	Greenhse/nursery	141	Broilers	557	Oranges	1,358	Broilers	2,386
2	Com	316	Dairy products	86	Soybean	36	Greenhse/nursery	1,279	Cotton	594
3	Wheat	275	Chicken eggs	41	Greenhse/nursery	29	Tomatoes	506	Peanuts	409
4	Dairy products	260	Tobacco	14	Dairy products	24	Cane for Sugar	472	Chicken eggs	376
5	Hay	203	Horses/mules	11	Com	17	Dairy Products	423	Cattle and calves	262
		<b>Hawaii</b>	<b>Idaho</b>		<b>Illinois</b>		<b>Indiana</b>		<b>Iowa</b>	
1	Pineapples	92	Dairy products	829	Com	2,922	Com	1,420	Com	3,168
2	Cane for Sugar	81	Cattle and calves	653	Soybean	2,643	Soybean	1,337	Soybean	2,837
3	Greenhse/nursery	74	Potatoes	574	Hogs	679	Hogs	568	Hogs	2,414
4	Macadamia nuts	37	Wheat	271	Cattle and calves	473	Dairy products	319	Cattle and calves	1,415
5	Dairy products	33	Sugar beets	223	Dairy products	317	Chicken eggs	286	Dairy products	585
		<b>Kansas</b>	<b>Kentucky</b>		<b>Louisiana</b>		<b>Maine</b>		<b>Maryland</b>	
1	Cattle and calves	4,026	Tobacco	1,050	Cane for sugar	335	Potatoes	108	Broilers	533
2	Wheat	1,321	Horses/mules	790	Rice	265	Dairy products	106	Greenhse/nursery	261
3	Corn	730	Cattle and calves	605	Cotton	252	Chicken eggs	72	Dairy products	209
4	Soybean	472	Broilers	333	Cattle and calves	153	Aquaculture	54	Soybean	78
5	Sorghum grain	452	Dairy products	259	Soybean	151	Greenhse/nursery	29	Cattle and Calves	60
		<b>Massachusetts</b>	<b>Michigan</b>		<b>Minnesota</b>		<b>Mississippi</b>		<b>Missouri</b>	
1	Greenhse/nursery	151	Dairy products	821	Soybean	1,428	Broilers	1,370	Soybean	1,012
2	Cranberries	119	Greenhse/nursery	475	Dairy products	1,426	Cotton	585	Cattle and Calves	758
3	Dairy products	73	Soybean	376	Corn	1,261	Soybean	328	Com	564
4	Sweet corn	13	Corn	354	Hogs	917	Aquaculture	313	Hogs	491
5	Tobacco	13	Cattle and calves	197	Cattle and calves	750	Cattle and Calves	174	Broilers	417
		<b>Montana</b>	<b>Nebraska</b>		<b>Nevada</b>		<b>New Hampshire</b>		<b>New Jersey</b>	
1	Cattle and calves	745	Cattle and calves	4,266	Cattle and calves	115	Dairy products	53	Greenhse/nursery	299
2	Wheat	571	Com	2,176	Hay	76	Greenhse/nursery	44	Horses/mules	59
3	Barley	124	Soybean	868	Dairy products	63	Apples	6	Dairy products	45
4	Hay	95	Hogs	553	Greenhse/nursery	16	Cattle and calves	4	Cranberries	31
5	Sugar beets	57	Wheat	204	Potatoes	14	Hay	4	Peaches	31
		<b>New Mexico</b>	<b>New York</b>		<b>North Carolina</b>		<b>North Dakota</b>		<b>Ohio</b>	
1	Cattle and calves	732	Dairy products	1,787	Broiler	1,419	Wheat	917	Soybean	1,108
2	Dairy products	653	Greenhse/nursery	264	Hogs	1,323	Cattle and calves	353	Com	919
3	Hay	136	Apples	129	Tobacco	998	Sunflower	264	Dairy products	662
4	Greenhse/nursery	62	Cattle and calves	107	Greenhse/nursery	958	Soybean	231	Greenhse/nursery	544
5	Chili pepper	58	Hay	81	Turkeys	470	Sugar beets	204	Chicken eggs	351
		<b>Oklahoma</b>	<b>Oregon</b>		<b>Pennsylvania</b>		<b>Rhode Island</b>		<b>South Carolina</b>	
1	Cattle and calves	1,836	Greenhse/nursery	579	Dairy products	1,731	Greenhse/nursery	43	Broilers	335
2	Wheat	487	Cattle and calves	362	Greenhse/nursery	347	Dairy products	5	Greenhse/nursery	183
3	Broilers	378	Hay	266	Cattle and calves	338	Sweet corn	3	Tobacco	175
4	Hogs	311	Dairy products	250	Chicken eggs	304	Potatoes	1	Turkeys	135
5	Dairy products	190	Ryegrass	189	Mushrooms	280	Chicken eggs	1	Cotton	125
		<b>South Dakota</b>	<b>Tennessee</b>		<b>Texas</b>		<b>Utah</b>		<b>Vermont</b>	
1	Cattle and calves	998	Cattle and calves	376	Cattle and calves	5,845	Cattle and calves	303	Dairy products	428
2	Soybean	665	Broiler	283	Cotton	1,600	Dairy products	229	Cattle and calves	32
3	Corn	590	Dairy products	236	Greenhse/nursery	1,120	Hay	100	Greenhse/nursery	25
4	Wheat	324	Tobacco	225	Dairy Products	876	Hogs	49	Hay	17
5	Dairy products	220	Soybean	217	Broilers	842	Greenhse/nursery	44	Maple products	10
		<b>Virginia</b>	<b>Washington</b>		<b>West Virginia</b>		<b>Wisconsin</b>		<b>Wyoming</b>	
1	Broilers	487	Dairy products	843	Broilers	143	Dairy products	3,496	Cattle and calves	599
2	Dairy products	296	Apples	759	Cattle and calves	71	Com	590	Hay	49
3	Cattle and calves	294	Cattle and calves	645	Dairy products	42	Cattle and calves	581	Sugar beets	42
4	Turkeys	208	Wheat	499	Turkeys	34	Soybean	254	Sheep and lambs	30
5	Tobacco	178	Potatoes	432	Chicken eggs	25	Cranberries	164	Wheat	20

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## Cash Receipts: Leading States for Top 25 Commodities, 1998

Rank	All Commodities		Livestock and Products		Crops		Vegetables		Fruits and Nuts	
	State	Cash Receipts	State	Cash Receipts	State	Cash Receipts	State	Cash Receipts	State	Cash Receipts
		<i>million dollars</i>		<i>million dollars</i>		<i>million dollars</i>		<i>million dollars</i>		<i>million dollars</i>
	U.S. Total	196,761	U.S. Total	94,539	U.S. Total	102,222	U.S. Total	15,337	U.S. Total	11,727
1	California	24,616	Texas	8,220	California	17,771	California	6,017	California	6,519
2	Texas	13,206	California	6,845	Iowa	6,217	Florida	1,536	Florida	1,836
3	Iowa	10,994	Nebraska	5,124	Illinois	6,167	Washington	862	Washington	1,178
4	Nebraska	8,848	Iowa	4,778	Florida	5,355	Arizona	739	Oregon	266
5	Kansas	7,784	Kansas	4,537	Texas	4,986	Idaho	704	Michigan	213
6	Illinois	7,742	Wisconsin	4,492	Minnesota	3,924	Michigan	447	Wisconsin	190
7	Minnesota	7,680	North Carolina	3,917	Nebraska	3,724	Texas	434	New York	190
8	North Carolina	7,164	Minnesota	3,755	Washington	3,424	Oregon	393	Hawaii	187
9	Florida	6,762	Georgia	3,408	Kansas	3,247	Georgia	385	Massachusetts	140
10	Wisconsin	6,193	Arkansas	3,250	North Carolina	3,247	Wisconsin	372	Pennsylvania	111
	<b>#1: Cattle and Calves</b>		<b>#2: Dairy Products</b>		<b>#3: Corn</b>		<b>#4: Soybeans</b>		<b>#5: Broilers</b>	
	U.S. Total	33,724	U.S. Total	24,312	U.S. Total	17,096	U.S. Total	15,447	U.S. Total	15,147
1	Texas	5,845	California	4,290	Iowa	3,168	Iowa	2,837	Georgia	2,386
2	Nebraska	4,266	Wisconsin	3,496	Illinois	2,922	Illinois	2,644	Arkansas	2,135
3	Kansas	4,026	New York	1,787	Nebraska	2,176	Minnesota	1,428	Alabama	1,807
4	Colorado	2,149	Pennsylvania	1,731	Indiana	1,420	Indiana	1,337	North Carolina	1,419
5	Oklahoma	1,836	Minnesota	1,426	Minnesota	1,261	Ohio	1,108	Mississippi	1,370
6	Iowa	1,415	Texas	877	Ohio	919	Missouri	1,012	Texas	842
7	California	1,205	Washington	843	Kansas	731	Nebraska	868	Delaware	557
8	South Dakota	998	Idaho	829	South Dakota	590	South Dakota	665	Maryland	553
9	Missouri	756	Michigan	821	Wisconsin	590	Arkansas	528	Virginia	487
10	Minnesota	750	Ohio	662	Missouri	565	Kansas	472	Missouri	417
	<b>#6: Greenhouse/nursey</b>		<b>#7: Hogs</b>		<b>#8: Wheat</b>		<b>#9: Cotton</b>		<b>#10: Chicken Eggs</b>	
	U.S. Total	12,115	U.S. Total	9,396	U.S. Total	6,967	U.S. Total	6,013	U.S. Total	4,350
1	California	2,469	Iowa	2,414	Kansas	1,321	Texas	1,600	Georgia	376
2	Florida	1,279	North Carolina	1,323	North Dakota	918	California	930	Ohio	351
3	Texas	1,120	Minnesota	917	Montana	571	Georgia	594	California	309
4	North Carolina	958	Illinois	679	Oklahoma	487	Mississippi	585	Pennsylvania	304
5	Oregon	579	Indiana	568	Washington	449	Arkansas	515	Indiana	286
6	Ohio	543	Nebraska	553	Texas	335	North Carolina	344	Arkansas	263
7	Michigan	475	Missouri	491	South Dakota	325	Arizona	305	Texas	254
8	Pennsylvania	347	Ohio	316	Colorado	275	Louisiana	252	Iowa	225
9	New Jersey	299	Oklahoma	311	Idaho	271	Tennessee	212	Alabama	216
10	Washington	269	Kansas	249	Minnesota	261	Alabama	200	North Carolina	189

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**Cash Receipts: Leading States for Top 25 Commodities, 1998 (continued)**

Rank	#11: Hay		#12: Tobacco		#13: Turkeys		#14: Grapes		#15: Potatoes	
	State	Cash Receipts	State	Cash Receipts	State	Cash Receipts	State	Cash Receipts	State	Cash Receipts
		<i>million dollars</i>		<i>million dollars</i>		<i>million dollars</i>		<i>million dollars</i>		<i>million dollars</i>
	U.S. Total	4,117	U.S. Total	2,989	U.S. Total	2,662	U.S. Total	2,637	U.S. Total	2,455
1	California	602	Kentucky	1,051	North Carolina	470	California	2,414	Idaho	574
2	Oregon	266	North Carolina	998	Minnesota	360	Washington	107	Washington	432
3	Washington	239	Tennessee	225	Missouri	239	New York	38	Wisconsin	155
4	Idaho	215	Virginia	178	Virginia	208	Michigan	18	California	152
5	Colorado	204	South Carolina	175	Arkansas	198	Oregon	17	North Dakota	132
6	Kansas	180	Georgia	159	California	182	Arizona	17	Oregon	129
7	Texas	178	Indiana	55	Indiana	137	Pennsylvania	14	Florida	123
8	South Dakota	142	Ohio	46	South Carolina	135	Georgia	3	Colorado	110
9	Pennsylvania	137	Florida	30	Pennsylvania	89	Arkansas	2	Maine	109
10	New Mexico	136	Maryland	17	Ohio	59	Ohio	2	Minnesota	102
		<b>#16: Oranges</b>		<b>#17: Horses/Mules</b>		<b>#18: Rice</b>		<b>#19: Tomatoes</b>		<b>#20: Lettuce</b>
	U.S. Total	1,955	U.S. Total	1,895	U.S. Total	1,741	U.S. Total	1,640	U.S. Total	1,577
1	Florida	1,358	Kentucky	790	Arkansas	793	California	783	California	1,114
2	California	587	Florida	112	California	324	Florida	507	Arizona	410
3	Arizona	5	Texas	90	Louisiana	266	Ohio	42	New Jersey	13
4	Texas	5	Virginia	60	Texas	154	Virginia	40	Florida	11
5	---	---	California	60	Mississippi	139	Tennessee	30	Colorado	9
6	---	---	New Jersey	59	Missouri	66	New Jersey	29	New Mexico	7
7	---	---	Tennessee	49	---	---	Georgia	29	Ohio	6
8	---	---	New York	45	---	---	Michigan	28	New York	3
9	---	---	Pennsylvania	44	---	---	Indiana	26	Washington	3
10	---	---	Maryland	40	---	---	South Carolina	24	---	---
		<b>#21: Apples</b>		<b>#22: Sugarbeets</b>		<b>#23: Strawberries</b>		<b>#24: Peanuts</b>		<b>#25: Sorghum Grain</b>
	U.S. Total	1,411	U.S. Total	1,258	U.S. Total	1,1029	U.S. Total	1,018	U.S. Total	972
1	Washington	759	Minnesota	376	California	783	Georgia	409	Kansas	452
2	California	130	Idaho	223	Florida	161	Texas	214	Texas	238
3	New York	129	North Dakota	204	Oregon	26	Alabama	120	Nebraska	104
4	Michigan	93	California	118	North Carolina	15	North Carolina	94	Missouri	47
5	Pennsylvania	60	Michigan	107	Michigan	7	Florida	57	Oklahoma	36
6	Virginia	33	Montana	57	New York	7	Virginia	53	South Dakota	19
7	Wisconsin	17	Colorado	44	Wisconsin	7	Oklahoma	49	Colorado	16
8	North Carolina	15	Wyoming	42	Washington	6	New Mexico	13	Illinois	15
9	Ohio	14	Nebraska	33	Pennsylvania	5	South Carolina	8	Arkansas	14
10	Oregon	13	Washington	25	Ohio	5	Arizona	1	Louisiana	19

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## Cash Receipts: U.S. Farm Cash Receipts, 1994-98

Category	1994	1995	1996	1997	1998
	<i>million dollars</i>	<i>million dollars</i>	<i>million dollars</i>	<i>million dollars</i>	<i>million dollars</i>
Farm Marketings and CCC Loans, Total <sup>1</sup>	181,264	188,055	199,138	207,611	196,761
Livestock and Products, Total	85,637	90,446	88,179	87,101	92,956
Meat Animals	47,748	50,969	46,661	44,865	44,154
Dairy Products	19,736	19,262	19,983	19,880	22,785
Poultry and Eggs	15,524	17,349	18,461	19,051	22,432
Other	2,629	2,866	3,073	3,306	3,585
Crops, Total	85,685	87,447	93,085	100,954	106,182
Feed Crops	20,098	20,199	20,310	24,520	27,185
Oil-bearing Crops	13,286	13,218	14,652	15,493	16,344
Vegetables and Melons	11,806	13,667	14,185	15,040	14,439
Fruits and Trees Nuts	10,179	10,263	10,315	11,097	11,928
Food Grains	8,467	8,180	9,545	10,417	10,719
Cotton (lint and seed)	5,192	5,250	6,738	6,851	6,983
Tobacco	2,958	2,948	2,656	2,548	2,795
Other	13,698	13,722	14,684	14,989	15,789
Government Payments	7,879	7,253	7,340	7,495	12,220
Total U.S. Farm Cash Receipts	189,143	195,308	206,478	215,106	208,981

<sup>1</sup> Includes receipts from commodities placed under nonrecourse CCC loans and gains realized on redemptions during the period. ERS, Roger Strickland, (202) 694-5592.

## U.S. Agricultural Exports

Year	Crops (crop year)						Livestock (calendar year)			
							Red Meat		Poultry	
	Corn	Wheat	Soybeans	Rice	Tobacco	Cotton	Beef	Pork	Broilers	Turkeys
	<i>million bushels</i>	<i>million bushels</i>	<i>million bushels</i>	<i>million cwt</i>	<i>million pounds</i>	<i>thousand bales</i>	<i>million pounds</i>	<i>million pounds</i>	<i>million pounds</i>	<i>million pounds</i>
1993	1,328	1,228	589	75	458	6,860	1,275	446	1,966	244
1994	2,177	1,188	838	99	434	9,400	1,611	549	2,876	280
1995	2,228	1,241	851	83	462	7,680	1,821	787	3,894	348
1996	1,795	1,001	882	78	490	6,870	1,877	970	4,420	438
1997	1,504	1,040	873	87	488	7,500	2,136	1,044	4,664	598
1998	1,981	1,042	801	85	467	4,340	2,171	1,229	4,673	446
1999	1,950		910	87	418	6,500	2,329	1,168	4,741	379
2000 <sup>1</sup>							2,325	1,200	4,825	390

<sup>1</sup> Forecast. NASS, WAOB, & ERS (Information Hotline 1-800-727-9540).

**Farm Real Estate: Average Value Per Acre,  
by Region and State, January 1, 1995-99**

Region and State	Average Value per Acre as of January 1				
	1995	1996	1997	1998	1999
	<i>dollars</i>	<i>dollars</i>	<i>dollars</i>	<i>dollars</i>	<i>dollars</i>
Northeast	2,200	2,220	2,240	2,280	2,370
Connecticut	5,950	5,950	5,950	5,950	6,300
Delaware	2,440	2,550	2,580	2,660	2,750
Maine	1,130	1,150	1,170	1,190	1,200
Maryland	3,100	3,110	3,150	3,180	3,300
Massachusetts	5,060	5,100	5,150	5,210	5,500
New Hampshire	2,250	2,250	2,250	2,250	2,250
New Jersey	7,000	7,100	7,100	7,000	7,000
New York	1,280	1,260	1,250	1,280	1,340
Pennsylvania	2,200	2,270	2,300	2,390	2,500
Rhode Island	6,500	6,500	6,500	6,500	6,500
Vermont	1,450	1,490	1,500	1,520	1,570
Lake States	1,050	1,130	1,200	1,280	1,390
Michigan	1,330	1,420	1,530	1,670	1,850
Minnesota	950	1,030	1,090	1,160	1,230
Wisconsin	2,200	2,220	2,240	2,280	2,370
Corn Belt	1,430	1,510	1,610	1,730	1,830
Illinois	1,820	1,900	1,980	2,130	2,250
Indiana	1,620	1,740	1,870	2,060	2,220
Iowa	1,350	1,450	1,600	1,700	1,770
Missouri	880	950	1,010	1,070	1,130
Ohio	1,750	1,820	1,890	2,040	2,220
Northern Plains	453	463	481	499	510
Kansas	535	553	565	577	580
Nebraska	580	610	620	645	670
North Dakota	373	383	390	401	406
South Dakota	302	310	325	348	360
Appalachia	1,430	1,550	1,630	1,720	1,840
Kentucky	1,250	1,300	1,350	1,450	1,530
North Carolina	1,750	1,900	2,000	2,080	2,250
Tennessee	1,340	1,530	1,650	1,810	1,950
Virginia	1,720	1,840	1,880	1,920	2,040
West Virginia	920	980	1,050	1,090	1,070

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**Farm Real Estate: Average Value Per Acre, (continued)  
by Region and State, January 1, 1995-99**

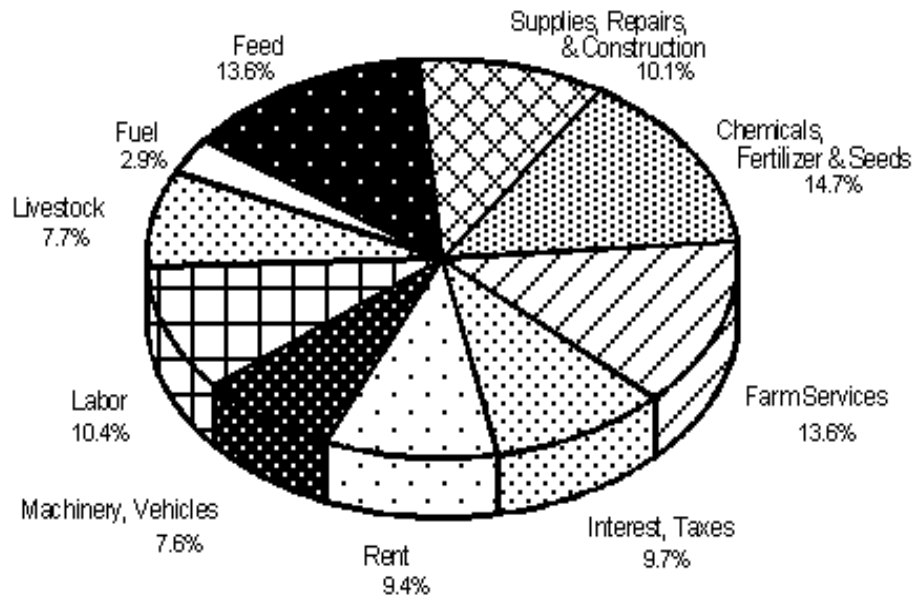
Region and State	Average Value per Acre as of January 1				
	1995	1996	1997	1998	1999
	<i>dollars</i>	<i>dollars</i>	<i>dollars</i>	<i>dollars</i>	<i>dollars</i>
Southeast	1,520	1,580	1,630	1,700	1,770
Alabama	1,260	1,320	1,360	1,440	1,520
Florida	2,110	2,150	2,200	2,240	2,260
Georgia	1,260	1,360	1,430	1,510	1,630
South Carolina	1,340	1,360	1,400	1,480	1,520
Delta States	973	1,020	1,070	1,130	1,180
Arkansas	983	1,010	1,070	1,150	1,220
Louisiana	1,080	1,180	1,190	1,210	1,210
Mississippi	886	917	980	1,050	1,100
Southern Plains	529	541	557	596	613
Oklahoma	547	547	570	610	625
Texas	525	540	554	593	610
Mountain	362	383	399	415	426
Arizona	840	880	920	987	1,070
Colorado	520	558	590	618	630
Idaho	840	900	960	1,020	1,090
Montana	277	289	291	294	296
Nevada	289	332	366	392	420
New Mexico	209	212	215	217	217
Utah	710	740	780	807	855
Wyoming	192	206	215	222	220
Pacific	1,540	1,670	1,730	1,780	1,870
California	2,220	2,400	2,500	2,610	2,770
Oregon	844	928	960	960	1,000
Washington	1,070	1,120	1,160	1,190	1,190
48 States	844	887	926	974	1,020

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

**Farm Production Expenses  
Major Input Items, Total, United States, 1994-98**

Expenditure - Farm Share	1994	1995	1996	1997	1998
	<i>million dollars</i>	<i>million dollars</i>	<i>million dollars</i>	<i>million dollars</i>	<i>million dollars</i>
Total Farm Production Expenditures	160,670	167,800	174,950	183,180	183,550
Livestock, Poultry & Related Expenses	15,200	15,000	12,800	14,200	14,200
Feed	22,600	23,800	25,200	26,300	25,000
Farm Services	23,000	23,800	23,500	24,700	25,000
Rent	15,400	16,000	18,300	18,470	17,300
Agricultural Chemicals	7,200	7,700	8,500	9,000	9,100
Fertilizer, Lime & Soil Conditioners	9,150	10,000	10,900	10,900	10,600
Interest	9,450	10,300	10,400	10,500	10,800
Taxes (Real Estate & Property)	6,200	6,400	6,500	6,650	7,000
Labor	15,000	16,000	17,100	18,300	19,000
Fuels	5,100	5,500	5,800	6,000	5,400
Farm Supplies & Repairs	10,800	11,500	11,800	12,300	12,200
Farm Improvements & Construction	5,400	5,200	5,900	6,100	6,450
Tractors and Self-Propelled Farm Machinery	4,610	4,750	5,000	5,400	6,000
Other Farm Machinery	3,360	3,100	3,350	3,410	3,550
Seeds & Plants	5,360	5,450	6,200	6,700	7,200
Trucks & Autos	2,560	2,800	3,300	3,800	4,400

**Farm Production Expenditures:  
Major Input Items by Percent of Total  
United States, 1998**



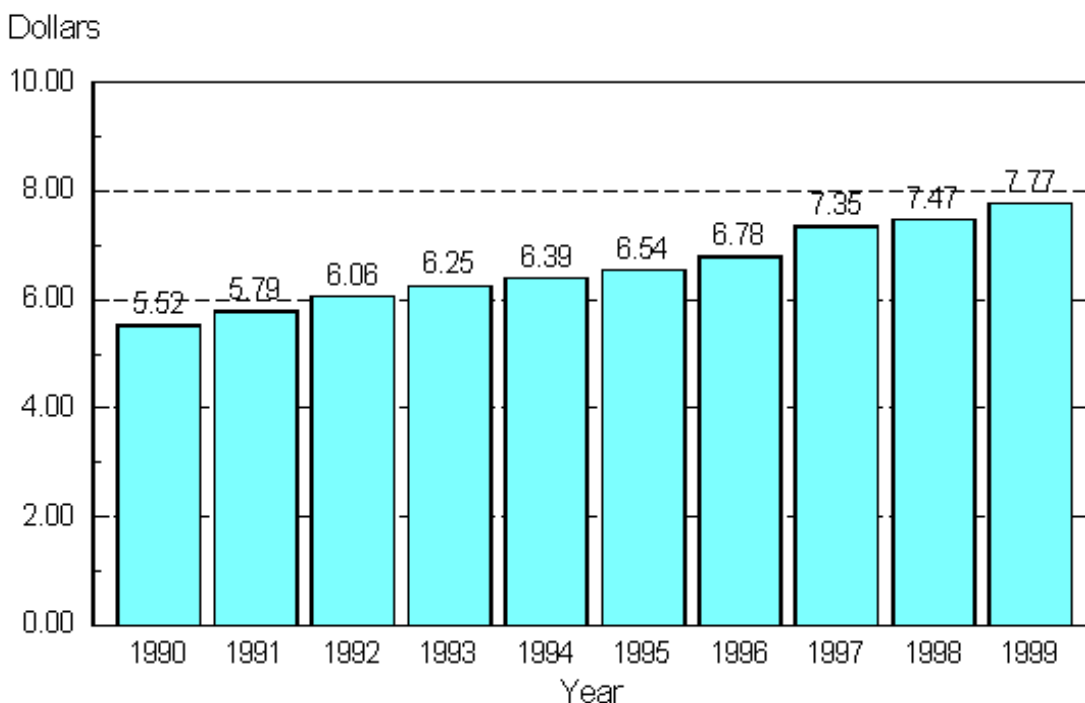
NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146

**Farm Workers, United States, 1995-99 <sup>1</sup>**

Year	Average Annual Workers			Average Annual Wages		
	Self-emp	Unpaid	All Hired	All Hired	Field	Field & Lvstk
	<i>thousand</i>			<i>dollars per hour</i>		
1995	1,490.8	476.3	868.5	6.54	6.13	6.09
1996	1,533.0	477.0	832.0	6.78	6.34	6.33
1997	1,526.7	463.2	876.5	7.35	6.66	6.64
1998	1,486.1	460.5	879.5	7.47	6.97	6.98
1999	1,558.4	490.0	929.0	7.77	7.19	7.22

<sup>1</sup> Excludes Alaska. NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

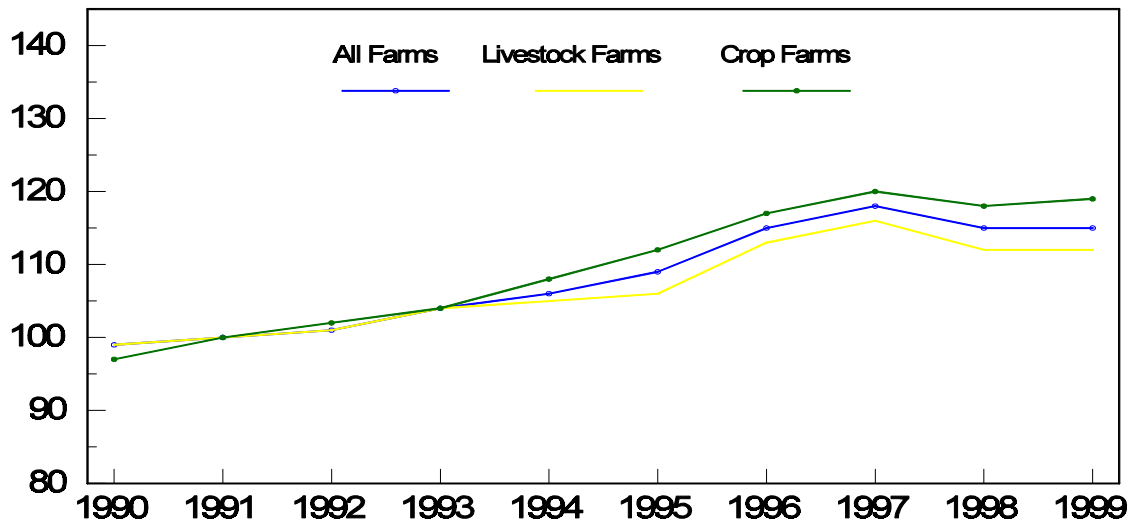
## Hired Farm Workers: Average U.S. Wage Rates 1990-1999



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### Index of Average Prices Paid by Farmers, 1990-1999 United States

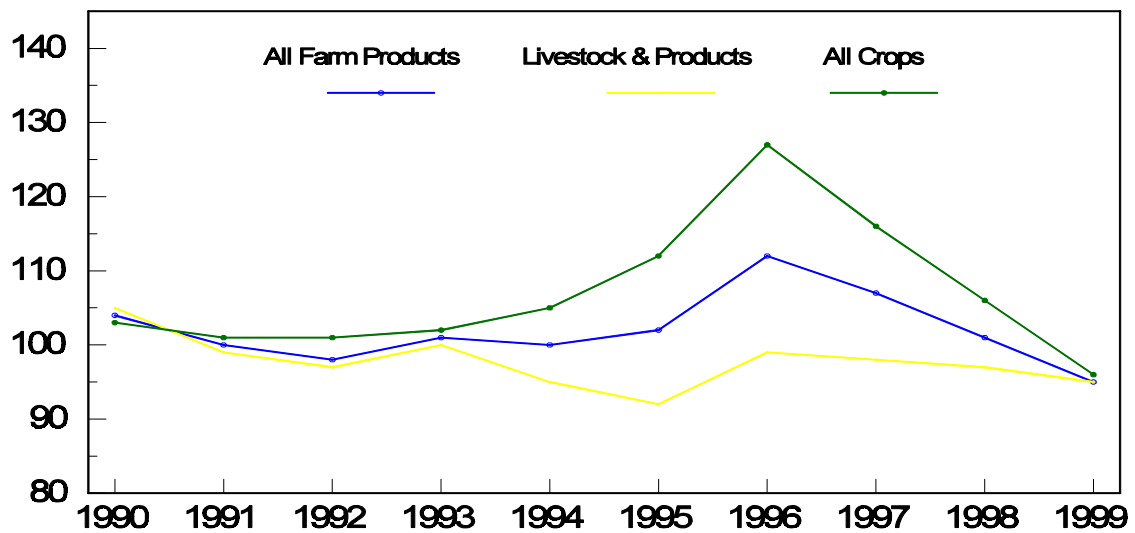
Percent (1990-92=100)



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### Index of Average Prices Received by Farmers, 1990-1999 United States

Index Values (1990-92=100)



NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146

## Grazing Fees for Cattle, Selected States and Regions

State or Region	Average Monthly Rate by Payment Method <sup>1</sup>					
	Animal Unit <sup>2</sup>		Cow-Calf		Per Head	
	1998	1999	1998	1999	1998	1999
	<i>dollars</i>	<i>dollars</i>	<i>dollars</i>	<i>dollars</i>	<i>dollars</i>	<i>dollars</i>
Arizona	6.70	7.40	9.50	9.75	8.30	8.00
California	11.50	12.10	14.50	15.00	12.90	12.50
Colorado	11.80	12.00	13.90	14.20	11.50	10.90
Idaho	10.80	11.10	12.80	13.00	11.50	11.80
Kansas	12.90	11.50	14.80	13.00	11.90	11.50
Montana	12.60	13.20	14.30	15.00	13.30	14.00
Nebraska	19.00	19.00	23.00	23.00	19.00	19.70
Nevada	9.10	9.00	12.00	11.50	9.70	10.00
New Mexico	8.80	8.80	9.75	10.10	9.70	10.00
North Dakota	10.20	10.30	11.40	11.10	11.10	10.70
Oklahoma	9.00	8.00	9.50	9.00	8.00	7.50
Oregon	11.10	11.10	12.80	12.30	11.40	11.60
Texas	9.00	8.00	9.50	8.75	9.00	8.50
Utah	10.00	10.00	11.30	12.10	11.10	11.10
Washington	10.00	10.00	10.50	11.30	10.50	11.20
Wyoming	11.90	11.70	13.80	13.50	12.30	12.00
17 Western States	11.40	11.10	13.00	12.80	11.60	11.50
16 Western States (excl. TX)	12.30	12.30	14.30	14.30	12.50	12.60
11 Western States <sup>3</sup>	11.10	11.40	13.00	13.30	11.80	11.90
9 High Plains States <sup>4</sup>	11.50	11.00	13.00	12.60	11.40	11.20

<sup>1</sup> Average based on January Agricultural Survey indications of monthly lease rates for private, non-irrigated grazing land. Rates over \$10.00 are rounded to the nearest dime. <sup>2</sup> Includes animal unit plus cow-calf rates. Cow-calf rate converted to animal unit (AUM) using 1 aum=cow-calf rate x 0.833. <sup>3</sup> Eleven Western States; AZ, CA, CO, ID, MT, NV, NM, OR, UT, WA, WY. <sup>4</sup> Nine High Plains States; CO, KS, NE, NM, ND, OK, SD, TX, WY. NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

## Meat Consumption

Year	Consumption per Capita, Retail Weight Basis						
	Broilers	Beef	Pork	Turkeys	Veal	Lamb and Mutton	Total <sup>1</sup>
	<i>pounds</i>	<i>pounds</i>	<i>pounds</i>	<i>pounds</i>	<i>pounds</i>	<i>pounds</i>	<i>pounds</i>
1985	51.0	79.2	51.9	11.6	1.9	1.5	199.2
1990	59.5	67.8	49.8	17.6	1.1	1.4	199.2
1991	62.1	66.8	50.4	17.9	1.0	1.4	201.5
1992	65.9	66.5	53.1	17.9	1.0	1.4	207.6
1993	68.5	65.1	52.3	17.7	0.9	1.3	207.7
1994	69.5	67.0	53.0	17.8	0.9	1.2	211.0
1995	68.8	67.4	52.4	17.9	1.0	1.2	210.2
1996	70.8	68.2	49.1	18.5	1.2	1.1	209.6
1997	72.7	66.9	48.7	17.6	1.0	1.1	208.6
1998	72.5	68.0	52.5	18.0	0.8	1.2	213.5
1999	77.5	69.3	54.2	17.9	0.7	1.2	221.3
2000 <sup>2</sup>	80.8	68.7	51.7	17.8	0.7	1.0	221.2

<sup>1</sup> Total includes other chicken. <sup>2</sup> Forecast. World Agricultural Outlook Board, (202) 720-9805.

Pesticide Usage: Corn <sup>1 2</sup>

Year		Percent Treated and Amount Applied			
		Herbicide		Insecticide <sup>3</sup>	
		Area Applied	Pounds Applied	Area Applied	Pounds Applied
		<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Colorado	1998	90	1,595	29	530
Delaware	1995	96	427	43	26
Georgia	1995	89	712	19	88
Illinois	1995	98	30,811	28	2,118
	1996	99	34,223	27	2,143
	1997	98	32,733	44	4,266
	1998	94	31,723	31	1,996
Indiana	1995	97	16,842	20	759
	1996	98	18,856	35	1,466
	1997	94	18,127	31	1,023
	1998	99	18,373	45	1,595
Iowa	1995	99	32,957	28	2,821
	1996	99	36,109	17	1,779
	1997	98	36,144	19	2,323
	1998	98	31,911	18	1,534
Kansas	1995	92	4,397	39	645
	1996	94	5,784	40	515
	1998	95	5,357	49	400
Kentucky	1995	94	3,537	15	56
	1996	99	4,159	24	43
	1998	99	4,174	*	*
Michigan	1995	100	6,791	18	370
	1996	98	7,250	21	318
	1997	98	6,912	11	200
	1998	97	5,740	17	299
Minnesota	1995	98	15,822	6	400
	1996	97	17,819	13	614
	1997	91	13,956	10	291
	1998	97	14,248	10	353
Missouri	1995	94	4,443	30	242
	1996	98	7,547	27	492
	1997	97	8,203	35	475
	1998	95	7,718	44	291
Nebraska	1995	95	18,804	54	3,104
	1996	98	19,817	51	3,068
	1997	98	19,970	62	3,531
	1998	93	19,459	44	1,667

See footnotes at end of table.

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Pesticide Usage: Corn <sup>1 2</sup> (continued)

Year	Percent Treated and Amount Applied			
	Herbicide		Insecticide <sup>3</sup>	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
North Carolina				
1995	98	1,679	29	286
1996	97	2,565	37	376
1998	96	2,150	32	283
Ohio				
1995	98	10,233	17	419
1996	100	10,029	28	591
1997	100	12,971	18	711
1998	99	9,722	41	1,094
Pennsylvania				
1995	93	4,169	29	295
1996	98	4,371	54	419
1998	97	4,436	44	262
South Carolina				
1996	98	1,017	26	84
South Dakota				
1995	92	4,691	7	153
1996	91	7,091	25	422
1997	93	6,346	10	317
1998	95	9,947	*	*
Texas				
1995	91	2,840	58	843
1996	91	2,770	74	712
1998	94	2,520	68	1,191
Wisconsin				
1995	96	8,487	25	830
1996	93	7,570	37	1,176
1997	98	8,689	19	433
1998	97	7,939	24	593

<sup>1</sup> Data not available for all States for all years.

<sup>2</sup> Insufficient number of reports to publish data for fungicides and other chemicals.

<sup>3</sup> Amount applied excludes Bt (*bacillus thuringiensis*).

\* Insufficient number of reports to publish data.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

**Pesticide Usage: Upland Cotton <sup>1</sup>**

State and Year		Percent Treated and Amount Applied			
		Herbicide		Insecticide <sup>2</sup>	
		Area Applied	Pounds Applied	Area Applied	Pounds Applied
		<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Alabama	1997	100	1,667	85	469
	1998	99	1,300	91	422
Arizona	1995	89	484	97	1,709
	1996	75	357	89	1,029
	1997	87	534	85	705
	1998	95	426	91	677
Arkansas	1995	98	4,208	84	1,527
	1996	99	2,750	93	1,303
	1997	89	2,882	77	678
	1998	93	2,119	98	886
California	1995	88	1,861	96	2,835
	1996	90	1,856	97	2,031
	1997	93	1,227	92	2,242
	1998	99	879	98	800
Georgia	1996	100	4,079	73	633
	1997	100	4,623	90	895
	1998	99	3,629	84	869
Louisiana	1995	98	2,400	98	3,176
	1996	81	1,957	97	1,486
	1997	90	2,331	85	1,789
	1998	96	1,655	98	2,385
Mississippi	1995	98	6,234	93	5,691
	1996	99	3,981	95	2,417
	1997	100	3,124	100	3,972
	1998	100	2,588	98	4,757
Missouri	1997	100	839	71	210
North Carolina	1997	97	1,832	92	339
	1998	95	1,494	92	363
South Carolina	1997	100	875	98	241
Tennessee	1996	100	1,889	89	505
	1997	98	1,275	85	417
	1998	100	1,127	97	1,297
Texas	1995	98	7,430	61	5,729
	1996	90	5,692	68	5,832
	1997	97	6,401	62	6,327
	1998	93	6,989	47	2,833

See footnotes at end of table.

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Pesticide Usage: Upland Cotton <sup>1</sup> (continued)

State and Year	Percent Treated and Amount Applied			
	Fungicide		Other Chemicals	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Alabama				
1997	17	22	69	482
1998	16	52	85	454
Arizona				
1995	*	*	92	1,726
1996	( <sup>3</sup> )	( <sup>3</sup> )	71	1,703
1997	*	*	86	770
1998	4	6	97	947
Arkansas				
1995	20	201	55	781
1996	28	157	91	1,206
1997	10	83	84	1,335
1998	19	71	93	1,490
California				
1995	*	*	96	6,713
1996	*	*	95	5,180
1997	*	*	98	3,471
1998	*	*	99	1,611
Georgia				
1996	( <sup>3</sup> )	( <sup>3</sup> )	48	1,234
1997	( <sup>3</sup> )	( <sup>3</sup> )	85	4,397
1998	*	*	72	2,322
Louisiana				
1995	17	71	70	752
1996	17	89	69	546
1997	19	85	66	469
1998	22	76	83	499
Mississippi				
1995	30	350	91	1,951
1996	7	45	99	2,541
1997	30	447	97	1,556
1998	16	115	92	1,103
Missouri				
1997	*	*	99	573
North Carolina				
1997	*	*	96	1,093
1998	9	30	89	909
South Carolina				
1997	18	5	96	467
Tennessee				
1996	33	97	87	732
1997	29	123	79	551
1998	37	61	93	547
Texas				
1995	*	*	36	1,654
1996	*	*	39	2,064
1997	( <sup>3</sup> )	( <sup>3</sup> )	53	2,398
1998	*	*	45	2,113

<sup>1</sup> Data not available for all States for all years.

<sup>2</sup> Amount applied excludes Bt (*bacillus thuringiensis*).

<sup>3</sup> No reports received for this pesticide class.

\* Insufficient number of reports to publish data.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

**Pesticide Usage: Fall Potatoes <sup>1</sup>**

State and Year	Percent Treated and Amount Applied			
	Herbicide		Insecticide <sup>2</sup>	
	Area Treated	Pounds Applied	Area Treated	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Colorado				
1995	89	223	65	21
Idaho				
1995	93	1,125	76	771
1996	90	1,131	73	649
1997	92	962	92	1,057
Maine				
1995	96	43	100	66
1996	98	49	90	46
1997	96	39	97	68
Michigan				
1995	85	117	100	90
Minnesota				
1995	66	94	90	95
1996	28	35	99	84
New York				
1995	86	52	93	68
North Dakota				
1995	60	128	100	263
1997	63	134	77	161
Oregon				
1995	92	134	92	233
1997	94	142	85	178
Pennsylvania				
1995	91	53	95	38
1998	90	36	99	32
Washington				
1995	93	305	98	694
1996	93	322	94	485
1997	85	264	99	644
Wisconsin				
1995	94	100	97	214
1997	98	70	95	95
1998	96	85	97	119

See footnotes at end of table.

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Pesticide Usage: Fall Potatoes <sup>1</sup> (continued)

State and Year	Percent Treated and Amount Applied			
	Fungicide		Other Chemicals	
	Area Treated	Pounds Applied	Area Treated	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Colorado				
1995	94	140	26	2,192
Idaho				
1995	63	681	41	29,233
1996	85	1,089	39	30,529
1997	100	2,233	59	40,356
Maine				
1995	100	629	93	358
1996	100	737	98	580
1997	99	641	96	1,609
Michigan				
1995	96	602	62	436
Minnesota				
1995	100	567	71	669
1996	98	816	82	113
New York				
1995	91	211	65	16
North Dakota				
1995	100	759	41	1,671
1997	99	1,232	36	22
Oregon				
1995	90	323	64	5,652
1997	93	346	69	8,306
Pennsylvania				
1995	95	175	54	12
1998	99	152	69	5
Washington				
1995	92	1,458	77	16,981
1996	85	986	72	12,064
1997	95	1,084	71	9,658
Wisconsin				
1995	100	1,000	89	2,654
1997	100	1,103	87	3,601
1998	99	1,065	91	2,538

<sup>1</sup> Data not available for all States for all years.

<sup>2</sup> Amount applied excludes Bt (*bacillus thurengiensis*).

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Pesticide Usage: Soybeans <sup>1 2</sup>

State and Year	Percent Treated and Amount Applied			
	Herbicide		Insecticide <sup>3</sup>	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Arkansas				
1995	91	3,564	( <sup>4</sup> )	( <sup>4</sup> )
1996	92	4,491	*	*
1997	97	5,019	*	*
1998	75	3,058	4	37
Delaware				
1997	78	314	*	*
Georgia				
1995	87	245	34	69
Illinois				
1995	98	10,181	( <sup>4</sup> )	( <sup>4</sup> )
1996	97	10,670	( <sup>4</sup> )	( <sup>4</sup> )
1997	98	11,136	*	*
1998	95	11,354	*	*
Indiana				
1995	99	6,019	*	*
1996	97	5,845	*	*
1997	99	7,062	( <sup>4</sup> )	( <sup>4</sup> )
1998	98	5,798	( <sup>4</sup> )	( <sup>4</sup> )
Iowa				
1995	100	8,936	( <sup>4</sup> )	( <sup>4</sup> )
1996	99	10,821	*	*
1997	99	13,691	( <sup>4</sup> )	( <sup>4</sup> )
1998	100	11,866	( <sup>4</sup> )	( <sup>4</sup> )
Kansas				
1997	94	2,947	*	*
1998	95	2,156	*	*
Kentucky				
1995	98	1,377	( <sup>4</sup> )	( <sup>4</sup> )
1997	91	1,460	*	*
1998	98	1,239	*	*
Louisiana				
1995	95	1,394	38	241
1996	94	1,645	32	161
1997	90	1,843	29	331
1998	89	1,442	32	217
Michigan				
1997	98	2,452	( <sup>4</sup> )	( <sup>4</sup> )
1998	98	2,620	*	*
Minnesota				
1995	99	5,471	( <sup>4</sup> )	( <sup>4</sup> )
1996	98	7,826	( <sup>4</sup> )	( <sup>4</sup> )
1997	96	6,902	( <sup>4</sup> )	( <sup>4</sup> )
1998	97	6,071	*	*

See footnotes at end of table.

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Pesticide Usage: Soybeans (continued) <sup>1 2</sup>

State and Year	Area Treated and Amount Applied			
	Herbicide		Insecticide <sup>3</sup>	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Mississippi				
1995	99	2,587	*	*
1996	99	2,287	*	*
1997	98	2,453	*	*
1998	100	2,948	6	33
Missouri				
1995	94	4,918	*	*
1996	98	5,373	*	*
1997	94	5,521	( <sup>4</sup> )	*
1998	92	6,152	( <sup>4</sup> )	( <sup>4</sup> )
Nebraska				
1995	96	3,001	*	*
1996	99	3,459	*	*
1997	99	4,093	*	*
1998	88	4,226	*	*
North Carolina				
1995	91	1,228	10	17
1997	98	1,625	35	130
1998	84	1,440	3	20
Ohio				
1995	98	5,923	*	*
1996	98	5,692	*	*
1997	99	5,307	*	*
1998	99	5,435	*	*
Pennsylvania				
1997	86	661	( <sup>4</sup> )	( <sup>4</sup> )
South Dakota				
1997	90	3,059	*	*
1998	96	3,706	*	*
Tennessee				
1995	100	1,595	*	*
1996	100	1,770	*	*
1997	100	1,664	*	*
1998	98	1,926	*	*
Wisconsin				
1996	99	750	*	*
1997	100	998	( <sup>4</sup> )	( <sup>4</sup> )

<sup>1</sup> Data not available for all States for all years.

<sup>2</sup> Insufficient number of reports to publish data for fungicides and other chemicals.

<sup>3</sup> Amount applied excludes Bt (bacillus thurengiensis).

<sup>4</sup> No reports received for this pesticide class.

\* Insufficient number of reports to publish data.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Pesticide Usage: Wheat <sup>1 2</sup>

Type, State, and Year	Area Treated and Amount Applied					
	Herbicide		Insecticide <sup>3</sup>		Fungicide	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Winter Wheat						
California						
1998	47	146	*	*	*	*
Colorado						
1995	51	422	*	*	*	*
1996	61	756	11	139	( <sup>4</sup> )	( <sup>4</sup> )
1997	64	803	13	321	( <sup>4</sup> )	( <sup>4</sup> )
1998	61	610	*	*	*	*
Georgia						
1998	38	80	*	*	18	6
Idaho						
1995	90	446	*	*	*	*
1996	80	433	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
1997	98	631	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
1998	88	495	*	*	*	*
Illinois						
1995	26	16	*	*	*	*
1997	40	16	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
1998	47	17	*	*	*	*
Kansas						
1995	61	1,095	*	*	*	*
1996	47	1,304	7	212	( <sup>4</sup> )	( <sup>4</sup> )
1997	31	819	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
1998	35	1,620	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Louisiana						
1998	*	*	*	*	10	2
Mississippi						
1998	55	78	*	*	11	4
Missouri						
1995	6	14	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
1997	33	67	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
1998	28	12	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Montana						
1995	99	685	*	*	*	*
1996	93	1,385	*	*	*	*
1997	88	1,089	*	*	*	*
1998	89	889	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Nebraska						
1995	53	235	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
1996	61	332	*	*	*	*
1997	53	189	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
1998	52	320	*	*	*	*
North Carolina						
1998	60	92	13	11	15	13
Ohio						
1995	16	51	*	*	*	*
1997	20	56	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
1998	13	75	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Oklahoma						
1995	50	278	17	255	*	*
1996	35	655	27	391	( <sup>4</sup> )	( <sup>4</sup> )
1997	38	435	13	234	( <sup>4</sup> )	( <sup>4</sup> )
1998	42	827	6	89	*	*
Oregon						
1995	98	513	*	*	10	25
1996	99	503	*	*	8	21
1997	100	516	*	*	24	87
1998	100	415	*	*	21	107

See footnotes at end of table.

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Pesticide Usage: Wheat (continued) <sup>1 2</sup>

Type, State, and Year	Area Treated and Amount Applied					
	Herbicide		Insecticide <sup>3</sup>		Fungicide	
	Area Treated	Pounds Applied	Area Treated	Pounds Applied	Area Treated	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Winter Wheat(contd.)						
Pennsylvania						
1997	21	8	*	*	*	*
South Dakota						
1995	63	368	*	*	*	*
1996	65	390	*	*	*	*
1997	89	383	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
1998	88	589	*	*	*	*
Texas						
1995	32	218	23	253	*	*
1996	27	319	38	447	*	*
1997	24	181	18	351	*	*
1998	27	435	7	177	*	*
Washington						
1995	93	1,067	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
1996	96	1,304	( <sup>4</sup> )	( <sup>4</sup> )	8	43
1997	98	1,584	*	*	1	4
1998	97	1,718	*	*	3	49
Durum Wheat						
North Dakota						
1995	96	1,821	*	*	*	*
1996	98	2,087	*	*	*	*
1997	93	2,221	2	12	*	*
1998	98	2,631	*	*	*	*
Other Spring						
Idaho						
1998	95	392	*	*	*	*
Minnesota						
1995	97	1,410	*	*	*	*
1996	96	1,547	*	*	*	*
1997	94	1,434	*	*	*	*
1998	97	1,396	11	65	37	100
Montana						
1995	90	2,118	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
1996	76	2,122	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
1997	94	3,254	*	*	*	*
1998	81	1,816	*	*	*	*
North Dakota						
1995	94	4,165	*	*	*	*
1996	92	6,170	*	*	*	*
1997	88	4,583	*	*	*	*
1998	98	4,053	7	176	7	52
Oregon						
1998	98	87	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
South Dakota						
1995	97	431	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
1997	86	886	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
1998	73	698	*	*	*	*
Washington						
1998	100	552	*	*	*	*

<sup>1</sup> Data not available for all States for all years.

<sup>2</sup> Insufficient number of reports to publish data for other chemicals.

<sup>3</sup> Amount applied excludes Bt (bacillus thurengiensis).

<sup>4</sup> No reports received for this pesticide class.

\* Insufficient number of reports to publish data.

NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Fertilizer Usage: Corn <sup>1</sup>

State and Year		Percent Treated and Amount Applied					
		Nitrogen		Phosphate		Potash	
		Area Applied	Pounds Applied	Area Applied	Pounds Applied	Area Applied	Pounds Applied
		<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>
Colorado	1998	93	110.3	78	18.0	49	4.9
Delaware	1995	90	13.2	87	8.7	78	11.8
Georgia	1995	100	54.1	96	30.4	96	33.7
Illinois	1995	99	1,543.1	83	635.3	84	902.9
	1996	100	1,823.9	79	737.5	83	1,056.0
	1997	99	1,689.5	87	747.9	87	1,046.8
	1998	99	1,636.8	74	567.8	70	785.9
Indiana	1995	97	691.6	89	324.4	82	476.1
	1996	100	774.7	97	346.1	88	542.4
	1997	100	876.7	96	410.9	82	525.9
	1998	100	846.3	97	341.0	90	619.4
Iowa	1995	97	1,364.6	77	534.5	76	643.0
	1996	98	1,631.7	83	627.7	81	786.1
	1997	99	1,464.3	75	575.4	75	668.0
	1998	96	1,529.0	81	613.8	81	803.0
Kansas	1995	99	306.1	70	59.1	24	18.4
	1996	98	416.5	83	79.5	29	26.1
	1998	100	514.3	83	101.4	21	21.6
Kentucky	1995	98	196.5	76	72.2	71	74.0
	1997	98	186.9	86	87.2	89	94.1
	1998	100	227.3	94	103.7	95	140.4
Michigan	1995	99	306.8	85	104.8	85	215.1
	1996	100	307.9	90	112.7	85	226.5
	1997	100	309.2	91	117.9	94	263.8
	1998	95	228.9	91	90.7	87	179.2

See footnotes at end of table.

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Fertilizer Usage: Corn <sup>1</sup> (continued)

State and Year	Percent Treated and Amount Applied					
	Nitrogen		Phosphate		Potash	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>
Minnesota						
1995	96	755.6	87	294.1	85	367.5
1996	97	784.4	94	375.6	86	420.9
1997	97	750.9	79	270.4	81	309.6
1998	96	851.2	91	352.3	87	447.9
Missouri						
1995	98	234.3	73	63.6	68	84.4
1996	97	398.5	88	132.7	87	163.5
1997	100	447.1	84	131.3	84	176.4
1998	99	466.7	92	138.2	93	184.6
Nebraska						
1995	99	1,097.2	68	167.4	29	39.3
1996	98	1,174.0	79	227.6	39	75.0
1997	100	1,313.1	80	205.2	26	33.3
1998	99	1,106.1	69	215.1	21	33.1
North Carolina						
1995	98	169.2	93	61.6	92	62.5
1996	99	113.1	91	53.6	89	88.7
1998	98	105.1	92	42.2	91	76.1
Ohio						
1995	100	539.5	90	208.4	88	284.9
1996	100	425.4	97	245.8	86	244.0
1997	99	567.5	89	234.6	89	313.6
1998	100	587.5	96	243.0	74	310.3
Pennsylvania						
1995	93	97.5	87	58.8	85	49.2
1996	97	112.2	79	67.0	75	43.6
1998	88	128.5	71	54.4	69	41.4
South Carolina						
1996	100	46.0	97	21.8	100	42.3
South Dakota						
1995	90	195.5	72	71.7	29	15.7
1996	88	312.3	77	105.7	39	31.8
1997	96	303.1	80	113.9	31	25.5
1998	94	305.9	78	117.4	25	21.5
Texas						
1995	99	284.8	78	74.9	34	18.0
1996	99	284.5	79	61.6	43	25.4
1998	99	319.4	87	89.3	21	15.4
Wisconsin						
1995	97	283.0	94	149.1	92	209.3
1996	94	297.0	89	134.6	88	209.7
1997	98	285.2	97	154.0	93	244.1
1998	97	326.8	96	148.2	96	188.0

<sup>1</sup> Data not available for all States for all years.  
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

**Fertilizer Usage: Upland Cotton <sup>1</sup>**

State and Year		Percent Treated and Amount Applied					
		Nitrogen		Phosphate		Potash	
		Area Applied	Pounds Applied	Area Applied	Pounds Applied	Area Applied	Pounds Applied
		<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>
Alabama	1997	100	47.8	93	26.8	95	40.1
	1998	99	38.3	94	27.3	94	35.5
Arizona	1995	95	66.9	34	8.1	*	*
	1996	98	45.8	43	6.6	11	1.6
	1997	99	41.8	29	5.2	4	0.6
	1998	98	34.5	38	6.1	13	0.3
		98	34.5	38	6.1	13	0.3
Arkansas	1995	97	114.6	74	39.4	85	75.1
	1996	97	94.0	66	25.2	71	49.3
	1997	92	67.2	83	42.5	91	57.6
	1998	98	82.4	88	33.8	88	61.6
California	1995	99	193.3	40	29.5	21	17.8
	1996	96	168.1	37	30.6	16	9.5
	1997	96	122.7	25	13.4	26	16.7
	1998	98	81.8	23	11.2	13	6.9
		98	81.8	23	11.2	13	6.9
Georgia	1996	99	139.3	99	76.7	97	139.1
	1997	95	126.3	94	81.4	99	132.0
	1998	96	119.6	90	71.3	92	123.4
Louisiana	1995	88	111.9	42	21.4	48	38.1
	1996	91	60.1	64	25.7	67	39.5
	1997	98	48.5	71	22.8	76	33.8
	1998	99	47.9	69	15.5	73	29.8
		99	47.9	69	15.5	73	29.8
Mississippi	1995	100	163.2	40	31.5	60	74.7
	1996	98	110.4	27	14.0	56	63.4
	1997	100	107.3	46	22.6	77	72.1
	1998	97	98.5	51	27.6	67	62.9
		97	98.5	51	27.6	67	62.9
Missouri	1997	100	42.6	72	10.0	95	28.1
North Carolina	1997	92	38.4	64	16.6	85	56.8
	1998	98	60.2	90	35.0	93	71.6
South Carolina	1997	100	26.8	100	15.8	100	34.2
Tennessee	1996	100	47.8	99	32.0	99	47.1
	1997	100	44.8	99	27.4	99	42.9
	1998	99	42.6	100	28.4	100	41.0
Texas	1995	79	312.4	63	151.8	32	31.1
	1996	55	252.2	47	105.2	20	23.6
	1997	82	280.9	62	126.3	29	25.8
	1998	68	237.7	56	122.0	27	28.5
		68	237.7	56	122.0	27	28.5

<sup>1</sup> Data not available for all States for all years.  
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Fertilizer Usage: Fall Potatoes <sup>1</sup>

State and Year		Percent Treated and Amount Applied					
		Nitrogen		Phosphate		Potash	
		Area Applied	Pounds Applied	Acres Treated	Pounds Applied	Acres Treated	Pounds Applied
		<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>
Colorado	1995	100	19.9	99	15.3	86	5.9
Idaho	1995	100	98.6	100	73.7	84	42.5
	1996	100	84.4	99	80.6	85	40.7
	1997	100	103.6	97	72.3	88	41.7
Maine	1995	99	13.7	99	13.9	99	14.3
	1996	100	13.0	99	13.4	100	13.6
	1997	100	12.9	100	13.3	100	13.5
Michigan	1995	100	10.3	98	6.7	100	13.3
Minnesota	1995	93	9.6	99	8.1	87	9.8
	1997	96	11.9	99	6.1	97	6.6
New York	1995	100	3.8	100	5.6	100	5.3
North Dakota	1995	100	20.1	94	10.2	89	13.4
	1997	100	16.7	96	11.7	80	7.7
Oregon	1995	98	12.2	96	9.2	87	7.5
	1997	100	15.1	100	10.8	87	11.1
Pennsylvania	1995	98	2.4	95	2.0	95	2.5
	1998	100	2.1	97	1.6	96	2.1
Washington	1995	100	44.1	99	36.3	91	32.4
	1996	95	44.3	92	29.4	91	30.2
	1997	100	47.9	99	42.6	98	31.6
Wisconsin	1995	100	16.4	98	11.9	100	27.5
	1997	100	15.0	100	9.5	100	22.2

<sup>1</sup> Data not available for all States for all years.  
 NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Fertilizer Usage: Soybeans <sup>1</sup>

State and Year	Nitrogen		Phosphate		Potash	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>
Arkansas						
1995	16	25.5	28	47.9	30	66.5
1996	9	8.2	45	76.4	43	90.5
1997	6	9.3	29	60.8	30	71.4
1998	5	8.6	29	65.3	29	75.4
Delaware						
1997	37	1.5	38	3.8	29	5.7
Georgia						
1995	61	6.0	67	10.8	66	13.0
Illinois						
1995	17	39.4	26	184.9	31	337.5
1996	15	32.4	23	128.3	34	329.6
1997	11	12.6	23	160.3	34	352.5
1998	7	17.2	12	78.7	24	321.4
Indiana						
1995	16	16.7	21	46.1	34	181.6
1996	23	37.9	33	79.1	44	240.7
1997	16	40.8	22	65.2	36	213.0
1998	15	25.0	26	70.4	51	255.3
Iowa						
1995	10	26.4	11	44.0	12	74.0
1996	8	19.5	12	55.2	14	99.3
1997	16	30.4	23	129.3	25	205.4
1998	10	20.4	13	62.1	14	79.0
Kansas						
1997	20	12.1	18	14.8	15	18.9
1998	16	7.5	21	16.6	11	8.3
Kentucky						
1995	41	15.0	46	32.6	46	40.1
1997	32	22.7	42	36.9	41	59.4
1998	35	17.0	58	58.9	63	73.3
Louisiana						
1995	5	1.7	16	7.2	16	9.9
1996	4	0.7	36	17.1	34	26.0
1997	13	5.8	23	13.8	23	21.3
1998	3	0.4	25	12.0	26	19.4
Michigan						
1997	63	21.3	49	49.9	71	100.9
1998	72	24.3	73	54.6	75	99.5

See footnotes at end of table.

--continued

Fertilizer Usage: Soybeans <sup>1</sup> (continued)

State and Year	Nitrogen		Phosphate		Potash	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>
Minnesota						
1995	15	61.8	15	44.8	17	77.0
1996	10	9.2	14	38.4	10	42.9
1997	16	15.2	20	55.6	22	141.5
1998	18	27.5	17	38.1	9	33.1
Mississippi						
1995	6	1.5	16	13.8	22	24.6
1996	11	2.5	18	14.0	17	19.4
1997	16	5.4	23	25.5	26	48.4
1998	5	2.1	10	10.0	16	23.2
Missouri						
1995	13	34.3	20	50.8	20	74.4
1996	23	20.5	25	54.9	28	81.3
1997	15	17.2	28	60.4	35	136.2
1998	24	25.9	47	119.8	53	198.2
Nebraska						
1995	20	25.4	16	18.4	11	4.6
1996	28	10.2	50	64.4	11	5.3
1997	31	19.5	31	45.9	16	11.3
1998	22	12.1	19	27.0	8	7.3
North Carolina						
1995	44	21.1	42	21.7	46	45.8
1997	52	46.7	67	36.8	77	103.3
1998	36	12.4	34	19.4	39	47.3
Ohio						
1995	23	13.1	29	58.8	37	126.6
1996	20	30.4	24	50.1	36	164.8
1997	16	11.9	26	56.8	60	308.4
1998	19	16.5	29	71.9	42	179.3
Pennsylvania						
1997	53	3.4	55	8.7	59	19.5
South Dakota						
1997	35	43.3	34	42.2	18	14.5
1998	32	29.7	32	38.1	11	2.9
Tennessee						
1995	19	6.8	36	21.9	36	26.1
1996	27	12.8	43	27.5	53	51.5
1997	29	7.4	48	33.1	52	52.6
1998	19	4.5	36	20.7	39	29.4
Wisconsin						
1997	53	8.2	54	11.7	69	56.0

<sup>1</sup> Data not available for all States for all years.

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