

Environmental Data Summary

The environmental survey program provides data on agricultural fertilizer and pesticide usage, pest management practices, and postharvest chemical applications. Agricultural chemical use data are released for selected major field crops, fruits, vegetables, and livestock and their facilities.

Postharvest chemical use data are released for off-farm pesticide applications and pest management practices for selected crops, such as apples, oranges, potatoes, corn, wheat, rice, and peanuts. Pest management practices data provide information on practices farmers use to reduce their dependency on agricultural chemicals (such as practices which improve the effectiveness of pesticides or are an alternative to pesticides). Pest management practices are categorized into four areas: prevention, avoidance, monitoring, and suppression. Pests include weeds, insects, and fungi.

Following is a list of environmental products released during the past year:

Agricultural Chemical Usage Postharvest Applications are released in March. For the March 2007 release, oats and potatoes were the targeted crops.

Agricultural Chemical Usage 2006 Field Crops Summary was released May 2007. The agricultural chemical use data consists of on-farm usage of commercial fertilizers and pesticides as well as pest management practices for targeted crops in selected states. The targeted crops were: rice, organic soybeans, soybeans, durum wheat, other spring wheat, and winter wheat.

Agricultural Chemical Usage 2006 Vegetable Summary was released July 2007. Data published consists of on-farm usage of commercial fertilizers and pesticides as well as pest management practices for targeted crops in selected states. Data were published on 23 vegetable crops.

Fertilizer Usage: Corn ¹

State and Year Surveyed		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	2000	95	182.0	78	42.2	17	7.4
	2001	93	141.5	65	32.1	24	10.8
	2003	89	138.2	59	30.0	31	8.3
	2005	89	126.2	63	24.4	21	4.2
Georgia	2001	97	28.6	91	12.6	87	20.8
	2005	98	38.7	86	16.1	87	24.5
Illinois	2000	99	1,797.7	83	739.3	82	1,028.5
	2001	99	1,682.8	81	720.6	85	1,092.2
	2002	94	1,698.3	77	754.1	77	1,028.7
	2003	98	1,758.5	83	751.4	78	963.9
	2005	98	1,728.3	84	780.4	84	1,160.5
Indiana	2000	99	868.8	90	366.1	85	625.9
	2001	98	837.4	85	331.7	86	660.0
	2002	99	786.7	92	350.4	84	567.1
	2003	99	854.4	85	376.4	83	640.0
	2005	100	869.3	93	420.2	88	648.2
Iowa	2000	95	1,533.0	74	503.2	74	603.9
	2001	87	1,272.8	62	415.8	60	482.4
	2002	94	1,408.0	72	515.8	69	607.4
	2003	93	1,544.3	59	468.6	65	670.6
	2005	92	1,653.2	70	579.0	71	762.3
Kansas		100	506.0	74	97.3	39	37.1
	2000	97	444.4	71	93.5	19	24.8
	2001	99	453.9	81	92.7	30	33.5
	2003	97	482.1	81	112.7	26	34.9
	2005						
Kentucky		99	198.7	81	88.3	80	92.0
	2000	91	173.4	87	92.5	82	99.9
	2001	98	189.0	83	81.0	78	76.1
	2003	98	210.5	78	75.5	77	86.9
	2005						
Michigan		99	240.1	96	96.9	83	154.3
	2000	91	251.3	78	85.9	78	175.2
	2001	99	281.8	86	95.3	88	201.6
	2003	97	277.8	88	89.6	81	148.4
	2005						
Minnesota		97	786.4	91	404.2	76	377.9
	2000	97	750.2	90	283.4	81	340.5
	2001	95	839.9	86	330.1	78	344.8
	2002	95	835.9	89	309.2	73	349.2
	2003	94	953.9	86	378.1	77	400.3
Missouri	2000	100	422.7	82	136.3	82	169.1
	2001	99	411.6	82	129.6	83	161.2
	2003	99	482.2	91	162.0	88	210.7
	2005	99	489.5	79	149.5	78	180.1

See footnote(s) at end of table.

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Environmental

Fertilizer Usage: Corn ¹ (continued)

State and Year Surveyed	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>
Nebraska						
2000	99	1,260.7	82	243.2	22	21.5
2001	100	1,067.0	77	219.4	25	42.8
2002	97	1,195.5	70	220.3	21	32.3
2003	95	1,005.1	76	232.1	25	39.3
2005	99	1,162.5	75	237.3	22	38.8
New York						
2000	99	71.2	89	45.6	78	41.8
2001	100	76.8	98	49.4	90	45.6
2003	98	81.7	81	43.3	75	50.9
2005	94	62.2	88	33.2	79	34.9
North Carolina						
2000	96	86.0	88	37.5	86	52.7
2001	98	81.8	85	41.6	84	56.6
2003	99	95.9	89	37.9	86	61.8
2005	97	90.5	74	25.5	86	53.1
North Dakota						
2000	98	103.1	80	38.8	29	8.7
2001	94	89.9	83	33.8	38	10.1
2003	98	157.2	87	62.8	37	20.0
2005	99	169.3	94	58.8	38	13.3
Ohio						
2000	100	572.8	92	224.1	83	287.0
2001	100	572.1	92	210.8	89	338.9
2002	99	500.1	85	183.2	78	283.1
2003	100	538.6	91	225.7	85	284.6
2005	99	551.7	87	224.9	76	264.5
Pennsylvania						
2000	95	103.8	87	59.9	67	35.9
2001	98	130.2	79	55.8	76	43.4
2003	91	98.6	72	52.2	66	33.5
2005	88	108.4	64	40.7	58	37.4
South Dakota						
2000	99	418.9	92	153.6	39	36.1
2001	95	393.8	69	119.4	32	38.9
2003	92	396.5	78	159.8	25	27.9
2005	95	477.7	79	154.2	37	41.9
Texas						
2000	98	304.0	85	80.3	27	15.9
2001	100	245.6	83	66.3	40	18.4
2003	98	261.4	85	70.9	37	17.1
2005	94	282.0	81	73.9	28	10.6
Wisconsin						
2000	97	300.7	89	120.6	90	161.0
2001	98	353.3	95	120.9	89	169.5
2002	98	325.0	87	102.2	88	202.2
2003	99	380.1	90	138.6	89	233.6
2005	93	380.9	84	118.8	84	191.7

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

Fertilizer Usage: Upland Cotton ¹

State and Year Surveyed		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	2000	100	60.5	95	35.2	91	46.7
	2003	97	51.9	84	31.2	83	33.4
	2005	98	51.4	87	27.0	90	37.0
Arizona	2000	98	35.6	30	4.7	8	0.9
	2003	93	35.3	35	4.6	11	0.8
Arkansas	2000	100	84.2	78	30.5	84	66.1
	2001	93	80.3	63	24.6	68	54.0
	2003	97	89.7	84	33.5	90	79.9
	2005	96	112.8	73	33.3	82	71.2
California	2000	98	105.4	29	12.6	12	5.3
	2001	*	*	*	*	*	*
	2003	94	72.9	47	14.3	25	11.6
	2005	96	79.8	32	10.2	22	8.3
Georgia	2000	96	124.9	94	77.6	93	117.7
	2001	99	116.2	92	71.9	93	119.3
	2003	100	124.5	90	65.8	91	105.8
	2005	97	112.6	88	63.8	90	103.7
Louisiana	2000	100	60.7	64	20.1	66	33.0
	2001	95	70.8	50	18.4	52	35.1
	2003	99	45.1	45	8.8	59	16.1
	2005	99	47.5	47	12.3	49	23.3
Mississippi	2000	100	147.7	44	29.5	68	86.1
	2001	99	179.9	31	25.8	46	72.5
	2003	99	119.8	45	23.0	70	82.2
	2005	99	144.5	35	22.6	58	82.7
Missouri	2001	100	40.4	86	11.7	95	33.5
	2003	100	35.5	73	11.6	81	26.2
North Carolina	2000	96	76.0	80	34.9	91	98.5
	2001	*	*	*	*	*	*
	2003	97	59.9	74	24.4	93	79.7
	2005	95	57.9	74	25.7	95	79.0
South Carolina	2003	95	16.0	78	7.9	90	21.6
Tennessee	2000	99	47.5	93	29.8	98	50.4
	2003	97	50.0	92	27.3	96	46.4
	2005	100	60.6	90	31.1	99	58.3
Texas	2000	52	195.9	37	85.2	14	16.4
	2003	61	258.0	50	141.7	20	28.6
	2005	77	310.9	64	144.9	32	35.4

¹ Data not available for all States for all years. * Insufficient number of reports to publish data. NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Environmental

Fertilizer Usage: Fall Potatoes ¹

State and Year Surveyed		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	2003	98	15.9	96	9.7	90	7.0
	2005	92	9.4	86	7.9	64	3.2
Idaho	2001	99	79.6	97	63.2	77	35.1
	2003	100	81.4	95	63.2	86	37.3
	2005	100	72.9	99	56.9	92	40.0
Maine	2001	98	11.0	98	11.4	98	11.8
	2003	100	12.0	100	12.3	100	13.8
	2005	100	10.2	100	10.1	100	11.9
Michigan	2003	100	8.5	98	4.0	98	9.1
	2005	99	9.2	94	4.9	100	10.2
Minnesota	2001	93	6.4	89	4.5	89	7.6
	2003	100	8.6	94	4.9	92	8.5
	2005	100	8.2	100	5.0	81	7.7
North Dakota	2001	*	*	*	*	*	*
	2003	97	16.5	92	10.0	84	13.7
	2005	100	14.7	100	8.4	96	13.7
Oregon	2001	*	*	*	*	*	*
	2003	100	10.7	96	7.4	84	8.8
Pennsylvania	2003	100	1.9	99	1.3	99	1.4
Washington	2001	97	37.6	90	33.0	92	37.4
	2003	100	43.1	85	33.2	82	30.7
	2005	100	37.8	98	30.2	92	38.2
Wisconsin	2001	100	22.0	98	13.7	100	24.3
	2003	100	19.9	99	12.2	100	25.5
	2005	100	17.9	99	9.1	99	20.5

¹ Data not available for all States for all years. * Insufficient number of reports to publish data. NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Fertilizer Usage: Rice

State and Year Surveyed		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>
Arkansas	2000	99	205.0	44	33.9	41	35.9
	2006	97	218.2	68	54.7	60	64.9
California	2000	100	54.1	88	23.7	*	*
	2006	94	61.4	75	18.2	40	7.2
Louisiana	2000	100	61.9	84	20.7	83	24.3
	2006	99	52.8	78	14.6	75	16.2
Mississippi	2000	100	39.4	*	*	*	*
	2006	99	35.8	29	2.5	4	0.5
Missouri	2006	100	45.2	47	5.5	42	5.7
Texas	2000	100	50.2	*	*	89	7.3
	2006	97	29.2	92	5.8	89	6.0

* Insufficient reports to publish data for pesticide class. NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Environmental

Fertilizer Usage: Soybeans ¹

State and Year Surveyed	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						
2000	10	21.0	30	43.4	31	73.0
2001	3	3.4	30	42.8	24	54.9
2002	7	5.2	36	57.8	35	66.1
2004	10	9.3	38	67.2	38	67.2
2006	3	0.9	34	60.4	36	94.4
Illinois						
2000	11	16.8	16	77.5	29	286.0
2001	10	42.8	12	95.8	22	250.5
2002	18	37.5	25	143.1	38	422.6
2004	14	49.5	18	185.1	32	525.2
2006	11	18.1	16	96.0	31	290.2
Indiana						
2000	7	11.0	15	53.9	33	207.8
2001	12	11.4	20	58.1	36	222.4
2002	18	17.4	24	67.9	46	276.0
2004	15	30.7	25	0.00	40	331.5
2006	16	15.2	20	54.6	32	177.4
Iowa						
2000	15	81.0	22	110.1	22	138.0
2001	5	9.9	9	47.9	10	71.3
2002	3	9.3	7	48.3	12	163.7
2004	10	38.4	11	99.8	15	157.2
2006	7	10.8	12	64.4	20	172.6
Kansas						
2000	18	10.3	16	16.9	*	*
2002	24	12.2	25	28.7	8	5.9
2004	22	22.0	25	34.2	5	7.1
2006	21	10.5	25	32.0	8	8.8
Kentucky						
2000	13	7.7	40	31.7	39	37.7
2002	21	9.6	37	30.3	38	46.6
2006	28	14.6	40	35.3	41	44.5
Louisiana						
2000	6	1.5	20	7.3	26	15.6
2002	2	0.1	18	5.5	18	7.5
2006	4	0.4	13	4.9	16	9.3
Maryland						
2002	23	2.7	17	2.9	26	7.0
Michigan						
2000	37	11.1	40	44.8	72	131.2
2002	44	24.4	34	32.0	67	119.1
2006	28	5.9	28	19.5	56	96.7
Minnesota						
2000	8	10.2	9	24.1	24	118.6
2001	13	15.3	13	32.3	12	41.5
2002	11	16.1	12	34.2	10	39.1
2004	19	41.3	18	81.2	16	85.6
2006	16	15.3	18	53.2	16	57.4

See footnote(s) at end of table.

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Fertilizer Usage: Soybeans ¹ (continued)

State and Year Surveyed	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>
Mississippi						
2000	9	3.4	19	14.3	20	23.5
2002	12	3.7	20	15.8	20	25.7
2006	6	1.0	14	9.0	19	25.6
Missouri						
2000	20	27.5	28	98.1	27	94.2
2001	6	5.4	24	52.2	22	61.7
2002	13	11.8	29	62.9	36	158.1
2004	20	23.4	35	128.1	38	206.3
2006	12	10.9	19	45.7	22	76.2
Nebraska						
2000	30	19.8	20	36.7	15	6.2
2001	22	23.4	21	38.3	10	6.2
2002	31	23.1	36	79.9	11	14.6
2004	25	24.6	28	76.8	7	12.4
2006	32	20.2	32	70.4	12	15.8
North Carolina						
2000	38	12.6	62	54.7	47	47.7
2002	36	14.4	36	25.0	41	51.3
2006	39	11.0	42	25.6	44	50.8
North Dakota						
2000	46	27.8	41	25.3	*	*
2002	64	44.1	59	50.5	11	3.3
2004	64	61.3	63	113.1	11	15.7
2006	43	22.6	42	58.3	3	1.9
Ohio						
2000	25	21.7	32	70.2	47	192.8
2001	17	19.1	30	63.9	41	164.7
2002	20	14.1	27	62.6	56	276.4
2004	20	19.0	24	73.0	43	282.0
2006	19	11.9	20	40.5	40	171.4
Pennsylvania						
2000	37	2.8	41	7.5	43	10.0
South Dakota						
2000	38	24.3	43	66.0	12	12.2
2002	37	32.5	41	102.0	15	24.4
2004	42	38.6	45	116.0	8	12.5
2006	29	19.7	31	49.4	8	8.6
Tennessee						
2000	18	3.0	29	14.3	31	22.2
2002	42	14.5	47	31.1	57	48.6
2006	42	12.0	48	28.1	63	63.8
Virginia						
2002	25	3.6	33	7.3	46	18.4
2006	32	3.9	34	7.4	39	15.1
Wisconsin						
2000	24	6.5	30	16.6	40	46.2
2002	40	9.2	35	18.9	48	54.7
2006	31	7.4	33	18.0	55	74.2

¹ Data not available for all States for all years. * Insufficient number of reports to publish data. NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Environmental

Fertilizer Usage: Wheat ¹

Type, State, and Year Surveyed	Percent Treated and Amount Applied					
	Nitrogen		Phosphate		Potash	
	Area Treated	Pounds Applied	Area Treated	Pounds Applied	Area Treated	Pounds Applied
	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>
Winter Wheat						
Arkansas						
2000	92	110.1	28	12.3	28	16.0
Colorado						
2000	87	85.2	14	5.6	*	*
2002	64	55.1	31	18.2	*	0.0
2004	59	51.2	31	15.8	5	2.7
2006	54	36.8	36	13.5	*	*
Idaho						
2000	90	75.5	54	12.1	13	2.7
2004	89	89.2	62	18.5	31	6.1
2006	93	80.9	66	13.7	16	2.2
Illinois						
2000	98	80.1	82	55.5	78	65.7
2002	96	59.4	76	37.0	74	46.8
2004	98	103.2	85	74.2	77	92.3
2006	93	82.1	76	49.8	76	68.4
Kansas						
2000	94	522.9	65	178.7	6	11.2
2002	91	487.4	64	162.2	8	24.5
2004	90	788.6	62	25.9	60	29.2
2006	88	493.0	66	197.5	8	29.0
Kentucky						
2000	80	52.0	62	25.9	60	29.2
Michigan						
2004	97	73.5	71	27.5	77	38.4
2006	98	57.6	74	22.2	85	33.9
Missouri						
2000	96	86.8	76	39.9	84	59.1
2002	97	65.9	75	31.8	74	40.8
2004	97	125.9	84	52.9	86	70.0
2006	97	90.7	73	35.5	74	44.8
Montana						
2000	82	74.2	77	34.0	43	8.2
2002	88	38.4	81	18.5	46	4.8
2004	92	83.0	83	47.3	21	3.9
2006	87	96.8	84	46.2	31	9.9
Nebraska						
2000	90	76.5	68	31.5	*	*
2002	79	57.6	45	22.6	4	2.1
2004	73	76.4	42	24.3	3	1.2
2006	75	73.3	57	34.0	4	1.4
North Carolina						
2000	88	78.3	48	15.8	56	30.9
Ohio						
2000	94	107.0	81	64.1	82	74.0
2002	98	66.4	89	46.8	88	51.4
2004	100	91.6	95	65.8	90	69.5
2006	98	86.2	84	53.0	82	57.5
Oklahoma						
2000	97	393.3	62	148.4	5	8.3
2002	92	203.6	59	65.9	4	6.4
2004	92	571.0	62	147.8	13	22.0
2006	89	283.4	65	130.9	8	9.8
Oregon						
2000	99	46.1	11	1.8	7	1.4
2004	96	64.7	11	5.3	6	2.5
2006	95	46.2	12	2.8	10	1.4

See footnote(s) at end of table.

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Fertilizer Usage: Wheat ¹ (continued)

Type, State, and Year Surveyed	Percent Treated and Amount Applied					
	Nitrogen		Phosphate		Potash	
	Area Treated	Pounds Applied	Area Treated	Pounds Applied	Area Treated	Pounds Applied
	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>	<i>percent</i>	<i>millions</i>
Winter Wheat(contd.)						
South Dakota						
2000	91	60.8	61	26.6	12	1.3
2004	77	105.8	58	44.6	7	5.1
2006	82	78.7	57	28.1	15	4.7
Texas						
2000	55	280.7	35	79.7	14	32.0
2002	62	124.0	28	30.3	7	5.4
2004	64	347.7	35	116.6	9	9.6
2006	44	152.1	29	47.3	8	20.8
Washington						
2000	100	111.7	30	10.2	6	1.3
2002	99	126.5	39	12.3	11	3.5
2004	97	161.2	24	11.6	3	1.4
2006	99	140.8	36	12.0	10	3.5
Durum Wheat						
Montana						
2004	96	32.5	84	11.8	10	0.6
2006	93	20.6	82	7.3	8	0.3
North Dakota						
2000	86	173.8	66	47.6	5	2.1
2002	88	116.1	58	31.6	5	1.2
2004	95	115.3	70	35.1	6	1.1
2006	92	77.4	71	21.3	7	0.8
Other Spring						
Idaho						
2004	93	56.1	63	12.7	23	4.4
2006	96	60.7	56	9.5	25	3.5
Minnesota						
2000	94	169.8	85	51.8	73	29.3
2002	89	129.0	83	60.8	68	44.7
2004	98	180.1	91	75.5	54	34.8
2006	99	148.5	97	64.0	72	31.6
Montana						
2000	90	167.6	84	75.5	36	15.6
2002	66	97.8	54	47.0	21	14.9
2004	79	134.6	69	72.6	13	9.0
2006	86	129.5	81	57.7	21	9.0
North Dakota						
2000	97	501.8	83	170.1	12	2.8
2002	97	499.8	83	197.7	19	30.6
2004	98	691.9	86	269.0	27	39.9
2006	99	504.6	88	202.2	21	13.0
Oregon						
2004	91	9.7	28	1.7	9	0.5
South Dakota						
2000	95	98.1	83	36.7	12	2.8
2004	92	132.5	68	53.2	19	8.5
2006	90	119.4	80	55.6	22	11.9
Washington						
2004	100	45.4	67	7.4	9	2.1
2006	100	43.6	60	4.7	9	1.6

¹ Data not available for all States for all years. * Insufficient number of reports to publish data. NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Environmental

Pesticide Usage: Corn ¹

State and Year Surveyed		Percent Treated and Amount Applied			
		Herbicide		Insecticide ²	
		Area Applied	Pounds Applied	Area Applied	Pounds Applied
		<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Colorado	2000	97	1,501	59	505
	2001	92	1,506	51	431
	2003	77	1,099	39	278
	2005	90	1,494	24	252
Georgia	2001	95	398	34	431
	2005	91	495	14	25
Illinois	2000	100	28,190	43	3,131
	2001	100	31,868	42	1,787
	2002	90	25,157	36	1,088
	2003	98	28,926	58	1,640
	2005	99	30,967	52	1,426
Indiana	2000	99	15,460	30	797
	2001	99	16,007	47	1,103
	2002	90	11,535	39	729
	2003	93	13,064	52	1,323
	2005	97	14,136	41	722
Iowa	2000	100	24,518	16	635
	2001	99	20,627	7	864
	2002	91	22,485	12	432
	2003	96	25,328	14	623
	2005	96	24,726	11	187
Kansas	2000	93	7,765	31	287
	2001	95	9,958	24	657
	2003	97	6,041	29	337
	2005	87	7,436	11	89
Kentucky	2000	95	2,600	26	65
	2001	97	2,834	18	43
	2003	97	2,716	16	52
	2005	100	3,187	18	26
Michigan	2000	99	5,658	10	131
	2001	88	4,944	22	288
	2003	98	4,934	14	206
	2005	99	5,145	14	153
Minnesota	2000	99	10,597	8	369
	2001	99	13,446	*	*
	2002	96	10,002	6	212
	2003	95	10,927	13	454
	2005	100	10,361	12	214
Missouri	2000	87	5,988	20	114
	2001	97	7,232	37	167
	2003	98	7,733	33	139
	2005	96	7,707	11	41

See footnote(s) at end of table.

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Pesticide Usage: Corn ¹ (continued)

State and Year Surveyed	Percent Treated and Amount Applied			
	Herbicide		Insecticide ²	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Nebraska				
2000	97	16,862	55	1,470
2001	99	15,159	48	1,104
2002	83	12,869	38	986
2003	93	15,209	36	742
2005	98	18,416	20	456
New York				
2000	92	2,312	31	204
2001	96	2,610	19	69
2003	96	2,107	28	141
2005	96	2,325	21	146
North Carolina				
2000	93	1,732	46	363
2001	96	1,558	37	181
2003	97	1,854	28	213
2005	98	1,669	17	130
North Dakota				
2000	71	1,284	*	*
2001	90	745	*	*
2003	96	1,564	*	*
2005	99	1,094	*	*
Ohio				
2000	99	10,339	24	603
2001	99	9,986	26	647
2002	91	8,424	14	125
2003	96	9,198	11	110
2005	99	9,322	9	215
Pennsylvania				
2000	100	4,419	57	302
2001	99	4,484	60	550
2003	92	3,620	31	179
2005	97	3,346	21	154
South Dakota				
2000	100	5,790	15	44
2001	96	5,622	8	87
2003	96	6,003	*	*
2005	100	6,036	12	239
Texas				
2000	81	2,039	55	426
2001	90	1,990	76	664
2003	87	2,273	53	594
2005	94	3,344	24	236
Wisconsin				
2000	95	6,410	20	365
2001	98	6,265	16	155
2002	81	5,304	20	356
2003	98	6,533	22	273
2005	97	6,369	22	134

¹ Data not available for all States for all years. ² Amount applied excludes Bt (*bacillus thuringiensis*). * Insufficient number of reports to publish data. NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Environmental

Pesticide Usage: Upland Cotton ¹

State and Year Surveyed		Percent Treated and Amount Applied			
		Herbicide		Insecticide ²	
		Area Applied	Pounds Applied	Area Applied	Pounds Applied
		<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Alabama	2000	97	1,435	67	270
	2003	99	1,336	84	260
	2005	98	1,186	74	192
Arizona	2000	94	497	66	455
	2003	94	382	74	374
Arkansas	2000	95	1,993	82	1,610
	2001	96	2,312	53	2,038
	2003	96	2,703	89	3,575
	2005	95	2,997	84	2,669
California	2000	99	1,475	90	1,051
	2001	*	*	*	*
	2003	97	1,005	95	899
	2005	92	551	96	574
Georgia	2000	98	3,526	81	725
	2001	93	2,958	59	366
	2003	96	2,994	73	746
	2005	99	2,958	88	1,145
Louisiana	2000	96	1,825	98	4,795
	2001	95	2,552	93	2,217
	2003	100	1,448	97	2,007
	2005	98	1,897	94	1,358
Mississippi	2000	98	3,557	99	6,112
	2001	99	3,913	92	3,306
	2003	100	3,475	94	1,534
	2005	100	3,947	92	1,917
Missouri	2001	94	677	90	360
	2003	96	636	74	146
North Carolina	2000	99	2,375	94	510
	2001	*	*	*	*
	2003	97	2,118	88	420
	2005	99	2,181	82	597
South Carolina	2003	92	470	97	141
Tennessee	2000	99	1,347	100	4,333
	2003	98	1,270	88	422
	2005	99	1,339	87	253
Texas	2000	92	7,847	69	20,639
	2001	85	5,921	58	14,587
	2003	99	7,701	36	3,102
	2005	93	8,677	53	5,946

See footnote(s) at end of table.

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Pesticide Usage: Upland Cotton ¹ (continued)

State and Year Surveyed	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				
2000	16	84	58	398
2003	15	44	93	930
2005	2	3	89	697
Arizona				
2000	10	31	79	670
2003	*	*	80	323
Arkansas				
2000	17	57	89	1,459
2001	8	9	78	1,395
2003	17	64	92	1,947
2005	6	18	87	1,910
California				
2000	1	9	99	2,714
2001	*	*	*	*
2003	7	13	96	2,091
2005	4	2	96	1,570
Georgia				
2000	(³)	(³)	78	3,258
2001	(³)	(³)	65	1,902
2003	4	43	91	2,709
2005	(⁴)	1	95	2,539
Louisiana				
2000	23	229	88	749
2001	16	70	88	931
2003	17	11	99	690
2005	3	7	99	888
Mississippi				
2000	15	131	99	1,986
2001	5	22	95	2,461
2003	17	63	99	1,590
2005	6	28	98	1,880
Missouri				
2001	*	*	97	695
2003	*	*	95	822
North Carolina				
2000	4	19	91	1,921
2001	*	*	*	*
2003	7	41	90	2,041
2005	7	41	92	1,642
South Carolina				
2003	3	4	79	307
Tennessee				
2000	20	77	93	691
2003	20	33	90	863
2005	11	23	94	1,030
Texas				
2000	(³)	(³)	29	1,593
2001	1	19	20	1,330
2003	2	22	31	1,400
2005			47	3,075

¹ Data not available for all States for all years. ² Amount applied excludes Bt (bacillus thurengiensis). ³ No reports received for this pesticide class. ⁴ Applied on less than one percent of acres. * Insufficient number of reports to publish data. NASS, Environmental, Economics, and Demographics Branch. (202) 720-6146.

Environmental

Pesticide Usage: Fall Potatoes ¹

State and Year Surveyed	Percent Treated and Amount Applied			
	Herbicide		Insecticide ²	
	Area Treated	Pounds Applied	Area Treated	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Colorado				
2003	84	168	71	40
2005	78	101	57	10
Idaho				
2001	75	714	93	853
2003	89	693	78	458
2005	90	694	65	331
Maine				
2001	92	28	88	13
2003	100	34	88	18
2005	100	35	91	18
Michigan				
2003	94	68	99	19
2005	98	68	97	20
Minnesota				
2001	78	53	95	18
2003	94	42	69	6
2005	98	68	97	20
North Dakota				
2001	*	*	*	*
2003	82	57	80	29
2005	89	57	76	11
Oregon				
2001	*	*	*	*
2003	95	71	83	140
Pennsylvania				
2003	91	28	99	23
Washington				
2001	92	290	95	647
2003	94	339	97	701
2005	96	328	97	517
Wisconsin				
2001	88	73	100	110
2003	94	72	99	133
2005	99	78	97	62

See footnote(s) at end of table.

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Pesticide Usage: Fall Potatoes ¹ (continued)

State and Year Surveyed	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				
2003	90	122	57	14,815
2005	78	87	34	9,678
Idaho				
2001	70	691	59	46,698
2003	78	606	57	31,892
2005	81	813	49	37,732
Maine				
2001	98	530	97	405
2003	100	576	21	52
2005	100	607	12	46
Michigan				
2003	96	382	48	696
2005	98	391	2	55
Minnesota				
2001	97	431	56	456
2003	98	461	4	1,294
2005	98	578	8	7
North Dakota				
2001	*	*	*	*
2003	99	1,350	3	311
2005	96	854	7	15
Oregon				
2001	*	*	*	*
2003	94	169	70	3,626
Pennsylvania				
2003	96	126	6	3
Washington				
2001	91	1,108	78	14,470
2003	99	1,704	77	20,847
2005	99	1,394	70	17,171
Wisconsin				
2001	97	1,193	86	2,644
2003	99	1,038	38	1,846
2005	99	810	49	3,327

¹ Data not available for all States for all years. ² Amount applied excludes Bt (*bacillus thuringiensis*). * Insufficient number of reports to publish data. NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Environmental

Pesticide Usage: Rice

State and Year Surveyed		Percent Treated and Amount Applied			
		Herbicide		Insecticide	
		Area Treated	Pounds Applied	Area Treated	Pounds Applied
		<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Arkansas	2000	98	5,250	2	10
	2006	95	3,054	10	14
California	2000	100	3,427	30	35
	2006	93	2,500	14	2
Louisiana	2000	93	1,080	31	99
	2006	96	475	42	49
Mississippi	2000	100	807	45	16
	2006	100	502	55	14
Missouri	2006	100	454		
Texas	2000	100	959	73	199
	2006	97	496	77	83

See footnote(s) at end of table.

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Pesticide Usage: Rice (continued)

State and Year Surveyed		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>
Arkansas	2000	7	21	4	35
	2006	37	109	5	269
California	2000	26	465		
	2006	50	738		
Louisiana	2000	43	38	2	23
	2006	46	30	*	*
Mississippi	2000	29	13		
	2006	46	16	3	36
Missouri	2006	25	12	*	*
Texas	2000	55	19		
	2006	55	21		

* Insufficient reports to publish data for pesticide class. NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Pesticide Usage: Soybeans ¹

State and Year Surveyed	Percent Treated and Amount Applied			
	Herbicide		Insecticide ²	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Arkansas				
2000	86	2,918	3	4
2001	80	2,440	*	*
2002	90	2,945	14	112
2004	92	3,642	7	57
2006	88	4,317	12	96
Illinois				
2000	98	10,582	1	3
2001	96	10,102	*	*
2002	100	12,939		
2004	98	10,832	1	15
2006	99	13,794	5	141
Indiana				
2000	99	5,414	*	*
2001	98	5,612	*	*
2002	100	7,853		
2004	99	7,037	*	*
2006	100	8,910	*	*
Iowa				
2000	98	13,053	*	*
2001	95	11,704	*	*
2002	99	13,143	9	58
2004	98	11,964	1	5
2006	99	13,946	9	127
Kansas				
2000	94	2,953	*	*
2001	98	2,931		
2004	97	3,225	*	*
2006	100	4,386	6	7
Kentucky				
2000	88	1,151	1	6
2001	100	1,479		
2006	97	1,978	7	1
Louisiana				
2000	96	1,091	56	173
2001	98	1,257	72	470
2006	97	1,664	75	499
Maryland				
2002	98	753	3	
Michigan				
2000	98	2,094	*	*
2001	98	2,496		
2006	98	2,390	*	*
Minnesota				
2000	95	7,151	*	*
2001	99	6,969	*	*
2002	99	7,073		
2004	98	8,289	*	*
2006	99	9,715	56	896

See footnote(s) at end of table.

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Environmental

Pesticide Usage: Soybeans (continued) ¹

State and Year Surveyed	Area Treated and Amount Applied			
	Herbicide		Insecticide ²	
	Area Applied	Pounds Applied	Area Applied	Pounds Applied
	<i>percent</i>	<i>thousand</i>	<i>percent</i>	<i>thousand</i>
Mississippi				
2000	99	2,096	5	23
2002	98	2,392	24	24
2006	100	3,770	26	65
Missouri				
2000	98	5,867	*	*
2001	95	4,691	*	*
2002	99	5,924		
2004	98	5,394	*	*
2006	95	6,577	8	28
Nebraska				
2000	98	5,795	*	*
2001	96	5,336	*	*
2002	100	6	14	4
2004	94	5,625	15	274
2006	97	7,837	5	129
North Carolina				
2000	92	1,016	7	15
2002	95	1,361	25	89
2006	92	1,968	22	30
North Dakota				
2000	99	2,046	*	*
2004	99	4,460	*	*
2006	100	4,982	57	480
Ohio				
2000	98	4,586	1	2
2001	96	4,216	*	*
2002	100	6,365		
2004	98	5,597	3	6
2006	99	6,871	4	23
Pennsylvania				
2000	99	429	11	20
South Dakota				
2000	98	4,863	*	*
2002	100	5,117	19	97
2004	96	4,763	19	70
2006	99	5,620	21	111
Tennessee				
2000	95	1,319	1	8
2002	100	1,496	10	1
2006	98	1,866	25	8
Virginia				
2002	94	591	46	25
2006	99	842	23	4
Wisconsin				
2000	85	1,169	*	*
2002	86	1,253		
2006	98	2,058	4	13

¹ Data not available for all States for all years. ² Amount applied excludes Bt (bacillus thuringiensis). * Insufficient number of reports to publish data. NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.

Pesticide Usage: Wheat ¹

Type, State, and Year Surveyed	Area Treated and Amount Applied					
	Herbicide		Insecticide ²		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						
Arkansas						
2000	41	239	*	*	*	*
Colorado						
2000	23	281	*	*	*	*
2002	12	68	*	*	*	*
2004	54	908	*	*	*	*
2006	54	1,018	*	*	*	*
Idaho						
2000	89	411	4	15	*	*
2004	94	380	1	2	*	*
2006	84	349	*	*	5	3
Illinois						
2000	44	21	*	*	*	*
2002	39	10	*	*	*	8
2004	35	41	*	*	9	11
2006	46	62	*	*	6	7
Kansas						
2000	31	478	8	395	*	*
2002	32	347	7	30	*	*
2004	38	1,138	*	*	*	*
2006	53	2,600	*	*	*	*
Kentucky						
2000	51	57	8	15	6	5
Michigan						
2004	50	94	11	3	11	11
2006	71	148	3	(³)	23	17
Missouri						
2000	51	47	*	*	2	4
2002	12	12	*	*	*	*
2004	35	109	8	9	*	*
2006	28	49	12	12	6	10
Montana						
2000	91	745	*	*	*	*
2002	80	433	*	*	*	*
2004	95	2,533	*	*	*	*
2006	92	2,315	*	*	*	*
Nebraska						
2000	26	248	*	*	*	*
2002	49	225	*	*	*	*
2004	51	537	*	*	*	*
2006	56	399			4	8
North Carolina						
2000	65	206	19	3	*	*
Ohio						
2000	18	53	*	*	*	*
2002	31	72	*	*	*	*
2004	29	96	*	*	*	*
2006	44	93	*	*	*	*
Oklahoma						
2000	25	94	*	*	*	*
2002	36	155	32	285	*	*
2004	34	267	24	511	*	*
2006	20	495	7	138		
Oregon						
2000	99	550	*	*	13	62
2004	98	694	3	7	3	5
2006	87	366	*	*	3	3

See footnote(s) at end of table.

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Environmental

Pesticide Usage: Wheat (continued) ¹

Type, State, and Year Surveyed	Area Treated and Amount Applied					
	Herbicide		Insecticide ²		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.)						
South Dakota						
2000	56	415	*	*	*	*
2004	66	646	*	*	13	21
2006	74	749	*	*	21	27
Texas						
2000	12	441	1	26	*	*
2002	34	274	21	291		
2004	19	810	7	189		
2006	22	1,299	4	92		
Washington						
2000	95	847	*	*	*	*
2002	87	856	*	*	3	37
2004	88	1,007	*	*	4	17
2006	94	1,077	*	*	2	5
Durum Wheat						
Montana						
2004	99	508				
2006	89	250			*	*
North Dakota						
2000	97	2,807	*	*	*	*
2002	100	1,238	*	*	*	*
2004	99	1,216	*	*	*	*
2006	97	862	*	*	*	*
Other Spring						
Idaho						
2004	92	288	4	6	*	*
2006	95	272	8	9	12	6
Minnesota						
2000	92	1,845	*	*	*	*
2002	84	858	*	*	8	15
2004	99	1,054	10	28	46	84
2006	96	952	5	12	40	45
Montana						
2000	92	2,955	*	*	*	*
2002	89	2,171	*	*	*	*
2004	95	1,652	*	*	*	*
2006	91	2,172	*	*	*	*
Oregon						
2004	97	4,205	*	*	*	*
North Dakota						
2000	95	3,749	*	*	8	53
2002	97	3,452	*	*	28	190
2004	95	4,723			14	88
2006	95	133	4	1	9	2
South Dakota						
2000	93	619	*	*	*	*
2004	89	702	*	*	14	26
2006	84	943	*	*	24	31
Washington						
2004	99	364	4	8	3	2
2006	96	261	11	19	12	5

¹ Data not available for all States for all years. ² Amount applied excludes Bt (bacillus thurengiensis). ³ Total applied is less than 50 pounds. * Insufficient number of reports to publish data. NASS, Environmental, Economics, and Demographics Branch, (202) 720-6146.