



2012 Winter Wheat, Spring Wheat, & Durum Wheat Chemical Use

Cooperating with the Montana Department of Agriculture
10 W 15th Street, Suite 3100 · Helena, MT 59626
800-835-2612 · FAX 800-915-6277 · www.nass.usda.gov/mt

The agricultural chemical use estimates in this report refer to on-farm use of commercial fertilizers and pesticides on targeted field crops for the 2012 crop year. Farm operators were enumerated late in the growing season after the farm operator had indicated that planned applications were completed.

Winter Wheat Fertilizer and Pesticide Use by State, 2012, Percent of Total Acres Treated and Total Applied, Program States

State	Planted Acreage Thou	Percent of Acres Treated with Fertilizer and Total Applied								Percent of Acres Treated with Pesticides and Total Applied					
		Nitrogen		Phosphate		Potash		Sulfur		Herbicide		Insecticide		Fungicide	
		Pct	Mil Lbs	Pct	Mil Lbs	Pct	Mil Lbs	Pct	Mil Lbs	Pct	1,000 Lbs	Pct	1,000 Lbs	Pct	1,000 Lbs
CO	2,350	72	59.2	40	21.3	3	1.4	11	1.2	81	3,875	--	--	--	--
KS	9,500	94	456.2	65	183.1	8	24.4	9	4.4	67	4,567	--	--	21	227
MT	2,300	91	135.3	88	57.4	21	5.2	23	3.9	95	2,365	--	--	7	16
OK	5,400	85	288.8	43	72.1	8	5.7	5	2.6	41	1,089	4	81	--	--
TX	5,700	65	203.5	32	55.6	7	6.6	21	14.5	27	997	--	--	8	68
Total	25,250	85	1,143.0	58	389.5	9	43.3	17	26.6	71	12,893	4	81	17	311

-- Insufficient reports to publish data.

Winter Wheat: Agricultural Chemical Applications, Montana, 2012 1/

Agricultural Chemical	Area Applied	Applications	Rate per Application	Rate per Crop Year	Total Applied
Fertilizer	Percent	Number	Pounds per Acre		Mil Lbs
Nitrogen	91	1.8	37	65	135.3
Phosphate	88	1.0	28	28	57.4
Potash	21	1.1	10	11	5.2
Sulfur	23	1.0	7	7	3.9

Herbicide	Percent	Number	Pounds per Acre		1,000 lbs
2,4-D, 2-EHE	31	1.2	0.356	0.426	300
2,4-D, dimeth,salt	12	1.0	0.220	0.224	63
Bromoxynil heptan	6	1.0	0.165	0.165	21
Bromoxynil octanoate	19	1.0	0.212	0.212	94
Dicamba, dimet salt	11	1.0	0.093	0.094	23
Flucarbazone-Sodium	11	1.0	0.017	0.017	4
Fluroxpyr, 1-MHE	17	1.0	0.089	0.089	35
Glyphosate ISO salt	17	1.7	0.508	0.867	348
Glyphosate POT salt	33	2.3	0.742	1.697	1,291
Kantor	16	1.0	0.002	0.002	1
MCPA, 2-ethylhexyl	10	1.0	0.235	0.235	60
Metsulfurion-Methyl	10	1.0	0.003	0.003	1
Propoxycarbazone-SOD	9	1.4	0.021	0.029	6
Pyroxsulam	29	1.0	0.015	0.015	10
Sulfosulfuron	10	1.0	0.031	0.031	7
Thifensulfuron	8	1.0	0.008	0.008	1
Tribenuron-Methyl	9	1.0	0.003	0.003	1
Fungicide	Percent	Number	Pounds per Acre		1,000 lbs
Propiconazole	5	1.0	0.108	0.108	13

1/ Planted acreage for Montana in 2012 was 2,300,000 acres.

Spring Wheat Fertilizer and Pesticide Use by State, 2012, Percent of Total Acres Treated and Total Applied, Program States

State	Planted Acreage Thou	Percent of Acres Treated with Fertilizer and Total Applied								Percent of Acres Treated with Pesticides and Total Applied					
		Nitrogen		Phosphate		Potash		Sulfur		Herbicide		Insecticide		Fungicide	
		Pct	Mil Lbs	Pct	Mil Lbs	Pct	Mil Lbs	Pct	Mil Lbs	Pct	1,000 Lbs	Pct	1,000 Lbs	Pct	1,000 Lbs
MN	1,350	98	151.8	88	48.8	58	23.1	13	2.2	97	664	41	37	76	144
MT	2,950	93	146.4	84	70.4	17	7.3	28	8.7	93	2,642	--	--	10	25
ND	5,750	98	515.0	90	195.3	29	45.3	18	8.9	99	3,855	10	81	64	460
SD	1,080	97	84.8	78	32.9	10	3.8	24	3.0	93	519	--	--	39	43
Total	11,130	97	898.0	87	347.4	35	79.5	22	22.8	96	7,680	19	118	63	672

-- Insufficient reports to publish data.

Spring Wheat: Agricultural Chemical Applications, Montana, 2012 ^{1/}

Agricultural Chemical	Area Applied	Applications	Rate per Application	Rate per Crop Year	Total Applied
Fertilizer	Percent	Number	Pounds per Acre		Mil Lbs
Nitrogen	93	1.4	38	54	146.4
Phosphate	84	1.0	28	28	70.4
Potash	17	1.0	15	15	7.3
Sulfur	28	1.0	10	11	8.7

Herbicide	Percent	Number	Pounds per Acre		1,000 lbs
2,4-D, 2-EHE	25	1.1	0.388	0.428	315
2,4-D, dimeth,salt	12	1.0	0.263	0.263	94
Bromoxynil heptan	5	1.0	0.172	0.172	27
Bromoxynil octanoate	24	1.0	0.208	0.208	147
Dicamba, dimet salt	11	1.0	0.105	0.109	35
Flucarbazone-Sodium	14	1.0	0.056	0.056	23
Fluroxpyr, 1-MHE	27	1.0	0.095	0.095	75
Glyphosate ISO salt	17	1.6	0.504	0.795	395
Glyphosate POT salt	31	1.6	0.829	1.334	1,227
Kantor	13	1.0	0.003	0.003	1
MCPA, 2-ethylhexyl	23	1.0	0.272	0.272	185
Pinoxaden	12	1.0	0.047	0.047	16
Pyroxulam	13	1.0	0.014	0.014	5
Thifensulfuron	8	1.0	0.009	0.009	2
Tribenuron	10	1.0	0.005	0.005	1
Fungicide	Percent	Number	Pounds per Acre		1,000 lbs
Propiconazole	10	1.0	0.066	0.066	19

^{1/} Planted acreage for Montana in 2012 was 2,950,000 acres.

Durum Wheat Fertilizer and Pesticide Use by State, 2012, Percent of Total Acres Treated and Total Applied, Program States

State	Planted Acreage	Percent of Acres Treated with Fertilizer and Total Applied								Percent of Acres Treated with Pesticides and Total Applied					
		Nitrogen		Phosphate		Potash		Sulfur		Herbicide		Insecticide		Fungicide	
		Thou	Pct	Mil Lbs	Pct	Mil Lbs	Pct	Mil Lbs	Pct	Mil Lbs	Pct	1,000 Lbs	Pct	1,000 Lbs	Pct
MT	520	98	32.2	90	12.7	12	0.6	15	0.5	96	604	--	--	9	3
ND	1,340	99	95.0	89	31.4	12	1.7	11	0.6	100	1,146	5	8	51	88
Total	1,860	99	127.2	89	44.1	12	2.3	13	1.1	99	1,750	5	8	50	91

-- Insufficient reports to publish data.

Durum Wheat: Agricultural Chemical Applications, Montana, 2012 ^{1/}

Agricultural Chemical	Area Applied	Applications	Rate per Application	Rate per Crop Year	Total Applied
Fertilizer	Percent	Number	Pounds per Acre		Mil Lbs
Nitrogen	98	1.4	44	63	32.2
Phosphate	90	1.0	27	27	12.7
Potash	12	1.0	10	10	0.6
Sulfur	15	1.0	6	6	0.5

Herbicide	Percent	Number	Pounds per Acre		1,000 lbs
2,4-D, 2-EHE	35	1.4	0.183	0.255	47
2,4-D, dimeth,salt	7	1.2	0.253	0.310	11
Bromoxynil octanoate	47	1.0	0.197	0.197	49
Clodinafop Propargil	52	1.0	0.045	0.045	12
Clopyralid Mono Salt	6	1.0	0.094	0.094	3
Dicamba, dimet salt	15	1.2	0.105	0.126	10
Fenoxaprop P-Ethyl	16	1.0	0.063	0.063	5
Flucarbazone-Sodium	7	1.0	0.024	0.024	1
Fluroxpyr, 1-MHE	19	1.0	0.091	0.091	9
Glyphosate ISO salt	17	1.2	0.626	0.758	65
Glyphosate POT salt	52	1.4	0.743	1.037	281
MCPA, 2-ethylhexyl	46	1.0	0.221	0.221	53
MCPA, Iscoctyl Ester	7	1.0	0.174	0.174	7
Thifensulfuron	16	1.0	0.012	0.012	+1
Fungicide	Percent	Number	Pounds per Acre		1,000 lbs
Propiconazole	7	1.0	0.069	0.069	2

^{1/} Planted acreage for Montana in 2012 was 520,000 acres.