



# 2011 Barley Chemical Use

Cooperating with the Montana Department of Agriculture  
10 W 15<sup>th</sup> 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 2011 crop year. Farm operators were enumerated late in the growing season after the farm operator had indicated that planned applications were completed.

Barley Fertilizer and Pesticide Use by State, 2011, 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
AZ	65	97	8.2	39	1.5	--	--	21	0.3	37	16	--	--	--	--
CO	66	82	7.2	40	1.5	28	0.6	36	0.4	96	36	22	1.0	25	2
ID	520	93	44.2	66	10.0	37	4.9	65	9.6	91	302	11	1.0	18	11
<b>MT</b>	<b>700</b>	<b>90</b>	<b>29.1</b>	<b>83</b>	<b>16.6</b>	<b>37</b>	<b>3.6</b>	<b>16</b>	<b>1.2</b>	<b>92</b>	<b>1,065</b>	--	--	<b>26</b>	<b>16</b>
ND	400	96	28.3	92	11.1	16	1.0	4	0.1	95	236	6	4.0	48	26
WY	75	73	5.2	55	1.8	30	0.8	18	0.4	76	32	--	--	13	1
Total	1,826	91	122.2	76	42.5	31	10.9	28	12.0	90	1,687	6	6.0	27	56

-- Insufficient reports to publish data.

Barley: Agricultural Chemical Applications, Montana, 2011 1/

Agricultural Chemical	Area Applied	Applications	Rate per Application	Rate per Crop Year	Total Applied
<b>Fertilizer</b>	<b>Percent</b>	<b>Number</b>	<b>Pounds per Acre</b>		<b>Mil Lbs</b>
Nitrogen	90	1.5	30	46	29.1
Phosphate	83	1.0	29	29	16.6
Potash	37	1.0	13	14	3.6
Sulfur	16	1.0	11	11	1.2
<b>Herbicide</b>	<b>Percent</b>	<b>Number</b>	<b>Pounds per Acre</b>		<b>1,000 lbs</b>
2,4-D, 2-EHE	23	1.4	0.352	0.482	78
2,4-D, dimeth,salt	8	1.7	0.229	0.395	22
Bromoxynil heptan	17	1.0	0.138	0.138	16
Bromoxynil octanoate	38	1.0	0.211	0.211	56
Clopyralid	12	1.0	0.096	0.096	8
Dicamba, dimet salt	8	2.0	0.086	0.169	10
Fluroxpyr, 1-MHE	18	1.0	0.090	0.090	11
Glyphosate ISO salt	71	2.4	0.605	1.481	731
MCPA, 2-ethylhexyl	27	1.0	0.307	0.307	59
Methanone	15	1.0	0.030	0.030	3
Pinoxaden	54	1.0	0.050	0.050	19
<b>Fungicide</b>	<b>Percent</b>	<b>Number</b>	<b>Pounds per Acre</b>		<b>1,000 lbs</b>
Propiconazole	19	1.0	0.085	0.085	11
Pyraclostrobin	7	1.1	0.081	0.087	4

1/ Planted acreage for Montana in 2011 was 700,000 acres.