



WISCONSIN AGRICULTURAL STATISTICS SERVICE

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In cooperation with WI Department of Agriculture, Trade and Consumer Protection



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AGRICULTURAL CHEMICAL USE IN WISCONSIN, 2004

This publication presents data from surveys funded by the USDA Pesticide Data Program. The purpose of this program is to provide reliable pesticide use statistics and enhance the quality of information on pesticide residues in food.

SURVEY PROCEDURES

A sample of vegetable operations was selected from the Wisconsin Agricultural Statistics Service (WASS) list of farmers. Both farmers and custom operators were interviewed in the fall of 2004 to gather information about chemicals used on their vegetable crops, as well as application rates.

Planted Acres and Percent of Acres Treated with Agricultural Chemicals, by Crop, Wisconsin, 2004

Crop	Acres planted	Area receiving applications		
		Herbicides	Insecticides	Fungicides
	1,000	Percent		
Cabbage				
Fresh Market 1/	4,400	60	67	2/
Carrots	4,200	100	96	88
Cucumbers 1/	4,600	98	2/	2/
Green Peas	38,400	84	26	3
Snap Beans	76,000	89	83	51
Sweet Corn				
Fresh Market 1/	7,700	87	66	2/
Processing	80,700	87	53	27

1/Total insecticides applied excludes Bt (*Bacillus thuringiensis*) and other biologicals. Quantities are not available because amounts of active ingredient are not comparable between products. 2/Insufficient reports to publish data for one or more of the pesticide classes. Source: Wisconsin Agricultural Statistics Service.



Major Chemical Use on Sweet Corn for Processing Wisconsin, 2004 1/

Agricultural chemicals Common name (Trade name)	Area applied	Appli- cations	Rate per appli- cation	Total applied
	Percent	Number	Lbs/Acre	1,000 Lbs
Herbicides:				
Alachlor (Lasso)	29	1.4	1.51	48.0
Atrazine (AAtrex)	71	1.4	0.72	55.9
Bentazon (Basagran, Laddok)	3	1.0	0.59	1.7
Carfentrazone-ethyl (AIM)	16	1.0	0.008	0.1
Glyphosate (Ranger, Roundup)	11	1.1	0.59	5.6
Nicosulfuron (Accent, Basis Gold)	16	1.0	0.03	0.4
Pendimethalin (Prowl)	4	1.2	0.73	2.9
S-Metolachlor (Bicep, Dual)	47	1.1	1.06	45.7
Simazine (Princep)	8	1.0	0.87	5.8
Insecticides:				
Bifenthrin (Brigade, Capture)	4	3.0	0.04	0.4
Lambda-cyhalothrin (Karate)	36	2.6	0.02	1.8
Zeta-cypermethrin (Mustang, Fury)	10	2.1	0.03	0.5
Fungicides				
Propiconazole (Bumper)	17	1.6	0.05	1.0

1/Planted acres in 2004 for Wisconsin were 80,700 acres. Source: Wisconsin Agricultural Statistics Service.

Major Chemical Use on Sweet Corn for Fresh Market Wisconsin, 2004 1/

Agricultural chemicals Common name (Trade name)	Area applied	Appli- cations	Rate per appli- cation	Total applied
	Percent	Number	Lbs/Acre	1,000 Lbs
Herbicides:				
Atrazine (AAtrex)	68	1.0	0.67	3.5
Bentazon (Basagran, Laddok)	20	1.0	0.62	1.0
Dimethenamid (Frontier)	10	1.0	0.58	0.5
Pendimethalin (Prowl)	5	1.0	1.04	0.4
S-Metolachlor (Bicep, Dual)	70	1.0	1.47	7.9
Insecticides:				
Cyfluthrin (Aztec)	4	2.1	0.03	2/
Lambda-cyhalothrin (Karate)	37	2.9	0.02	0.2
Permethrin (Ambush, Pounce)	12	2.8	0.17	0.4

1/Planted acres in 2004 for Wisconsin were 7,700 acres. 2/Total applied is less than 50 lbs. Source: Wisconsin Agricultural Statistics Service.

**Major Chemical Use on Snap Beans for Processing
Wisconsin, 2004 1/**

Agricultural chemicals Common name (Trade name)	Area applied	Appli- cations	Rate per appli- cation	Total applied
	Percent	Number	Lbs/Acre	1,000 Lbs
Herbicides:				
EPTC (Eptam)	49	1.0	2.61	98.3
Glyphosate (Ranger, Roundup)	4	1.2	0.67	2.3
Halosulfuron (Permit)	20	1.0	0.02	0.4
Imazethapyr (Pursuit)	15	1.1	0.02	0.3
Pendimethalin (Prowl)	10	1.0	0.53	4.0
Quizalofop-P-ethyl (Assure)	2	1.0	0.06	0.1
S-Metolachlor (Bicep, Dual)	28	1.1	0.97	22.4
Sethoxydim (Poast)	13	1.1	0.13	1.3
Trifluralin (Treflan)	43	1.0	0.45	14.5
Insecticides:				
Acephate (Orthene)	10	1.0	0.66	4.9
Bifenthrin (Capture, Brigade)	42	1.8	0.04	2.1
Lambda-cyhalothrin (Karate)	6	1.1	0.03	0.1
Zeta-cypermethrin (Mustang, Fury)	37	2.0	0.03	1.4
Fungicides:				
Iprodione (Rovral)	4	1.1	0.99	3.4
Thiophanate-methyl (Topsin)	39	1.1	1.27	39.4

1/Planted acres in 2004 for Wisconsin were 76,000 acres.
Source: Wisconsin Agricultural Statistics Service.

**Major Chemical Use on Carrots
Wisconsin, 2004 1/**

Agricultural chemicals Common name (Trade name)	Area applied	Appli- cations	Rate per appli- cation	Total applied
	Percent	Number	Lbs/Acre	1,000 Lbs
Herbicides:				
Fluazifop-P-butyl (Fusilade)	62	1.2	0.13	0.4
Linuron (Linex, Lorox)	100	3.2	0.49	6.5
Fungicides:				
Chlorothalonil (Bravo, Ridomil)	88	5.9	0.92	19.8

1/Planted acres in 2004 for Wisconsin were 4,200 acres.
Source: Wisconsin Agricultural Statistics Service.

**Major Chemical Use on Cabbage for Fresh Market
Wisconsin, 2004 1/**

Agricultural chemicals Common name (Trade name)	Area applied	Appli- cations	Rate per appli- cation	Total applied
	Percent	Number	Lbs/Acre	1,000 Lbs
Herbicides:				
Trifluralin (Treflan)	56	1.0	0.85	2.1
Insecticides:				
Bt (Bacillus thur.) 2/	*	2.8	—	—
Carbaryl (Sevin)	*	2.5	1.21	3/
Esfenvalerate (Asana)	1	2.4	0.03	3/
Lambda-cyhalothrin (Karate)	4	1.8	0.03	3/

*Area applied is less than 0.5 percent. 1/Planted acres in 2004 for Wisconsin were 4,400 acres. 2/Rates and total applied are not available because amounts of active ingredient are not comparable between products. 3/Total applied is less than 50 lbs. Source: Wisconsin Agricultural Statistics Service.

**Major Chemical Use on Green Peas for Processing
Wisconsin, 2004 1/**

Agricultural chemicals Common name (Trade name)	Area applied	Appli- cations	Rate per appli- cation	Total applied
	Percent	Number	Lbs/Acre	1,000 Lbs
Herbicides:				
Bentazon (Basagran, Laddok)	31	1.0	0.99	11.6
Imazethapyr (Pursuit)	43	1.0	0.04	0.7
MCPB (Thistrol)	3	1.0	0.72	0.7
Pendimethalin (Prowl)	62	1.1	0.55	14.2
Trifluralin (Treflan)	6	1.0	0.48	1.2
Insecticides:				
Bifenthrin (Brigade, Capture)	2	1.0	0.03	2/
Dimethoate (Cygon)	15	1.0	0.17	0.9
Fungicides				
Azoxystrobin (Amistar)	3	1.0	0.13	0.2

1/Planted acres in 2004 for Wisconsin were 38,400 acres. 2/Total applied is less than 50 pounds. Source: Wisconsin Agricultural Statistics Service.

**Major Chemical Use on Cucumbers
Wisconsin, 2004 1/**

Agricultural chemicals Common name (Trade name)	Area applied	Appli- cations	Rate per appli- cation	Total applied
	Percent	Number	Lbs/Acre	1,000 Lbs
Herbicides:				
Ethalfuralin (Curbit, Sonalan)	82	1.0	0.95	3.6

1/Planted acres in 2004 for Wisconsin were 4,600 acres.
Source: Wisconsin Agricultural Statistics Service.