



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, 2000

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 2000 to gather information on chemicals used on their vegetable crops, as well as application rates.

Planted Acres and Percent of Acres Treated with Agricultural Chemicals, by Crop, Wisconsin, 2000

Crop	Acres planted	Area receiving 1/		
		Herbicides	Insecticides	Fungicides
		Percent		
Beets 2/	3,800	99		
Cabbage				
Fresh Market 2/ 3/	4,800	71	100	
Kraut 3/	3,800	100	100	
Carrots	4,800	100	99	95
Cucumbers 2/ 3/	5,500	100	65	63
Onions 2/ 3/	2,000	99	96	95
Lima Beans 4/		100	65	48
Green Peas 2/	51,800	94		
Snap Beans	71,900	96	93	51
Strawberries 2/ 3/	1,200	83	62	67
Sweet Corn				
Fresh Market 3/	8,500	82	83	17
Processing 2/	94,900	92	83	28

1/Refers to acres receiving one or more applications of a specific pesticide class. 2/Insufficient reports to publish data for one or more of the pesticide classes. 3/Total applied excludes Bt's (*Bacillus thuringiensis*). Quantities are not available because amounts of active ingredient are not comparable between products. 4/Planted acres not published to avoid disclosure
Source: Wisconsin Agricultural Statistics Service

Major Chemical Use on Snap Beans for Processing Wisconsin, 2000 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)	14	1.0	0.88	9.3
EPTC (Eptam)	65	1.0	2.49	125.0
Glyphosate (Roundup, Rattler)	6	1.0	0.64	2.9
Imazethapyr (Passort, Pursuit)	15	1.0	0.02	0.3
Metolachlor (Dual, Bicep)	12	1.0	1.12	10.1
Pendimethalin (Prowl)	14	1.0	0.55	5.5
Quizalofop-ethyl (Assure)	4	1.0	0.06	0.2
Sethoxydim (Poast)	2	1.0	0.20	0.3
Trifluralin (Treflan)	57	1.0	0.49	21.8
Insecticides:				
Bifenthrin (Capture, Brigade)	75	1.7	0.04	3.7
Dimethoate (Cygon, Roxion)	49	1.1	0.42	17.4
Fungicides:				
Benomyl (Benlate)	28	1.0	0.77	16.1
Copper hydroxide (Champ, Kocide)	30	1.3	0.99	29.2

1/Planted acres in 2000 for Wisconsin were 71,900 acres.
Source: Wisconsin Agricultural Statistics Service



**Major Chemical Use on Sweet Corn for Processing
Wisconsin, 2000 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:				
2,4-D	6	1.2	0.50	3.9
Alachlor (Lasso)	40	1.0	1.81	72.7
Atrazine (AAtrex)	64	1.0	0.74	48.8
Bentazon (Basagran, Laddok)	1	1.0	0.81	0.8
Carfentrazone-ethyl (AIM)	8	1.0	0.008	0.1
Cyanazine (Bladex, Conquest, Extrazine)	18	1.0	0.88	16.0
Dimethenamid (Frontier, Outlook)	11	1.0	1.09	12.4
Glyphosate (Roundup, Rattler)	11	1.0	0.45	5.1
Nicosulfuron (Accent)	20	1.0	0.03	0.6
S-Metolachlor (Dual, Magnum)	14	1.0	1.22	16.7
Insecticides:				
Bifenthrin (Capture, Brigade)	52	2.6	0.04	5.0
Lambda-cyhalothrin (Karate)	17	2.4	0.02	1.0
Methyl parathion (Bladan, PennCap-M)	10	1.2	0.48	5.5
Permethrin (Ambush, Pounce)	18	1.5	0.17	4.6

1/Planted acres in 2000 for Wisconsin were 94,900 acres.
Source: Wisconsin Agricultural Statistics Service

**Major Chemical Use on Sweet Corn for Fresh Market
Wisconsin, 2000 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)	23	1.9	1.52	5.9
Atrazine (AAtrex)	43	1.5	0.69	3.9
Bentazon (Basagran, Laddok)	21	1.0	0.70	1.3
Cyanazine (Bladex, Conquest, Extrazine)	12	1.0	1.19	1.3
Dimethenamid (Frontier, Outlook)	9	1.0	1.09	0.9
Metolachlor (Dual, Bicep)	20	1.0	2.10	3.6
Pendimethalin (Prowl)	7	1.0	1.21	0.7
Insecticides:				
Carbaryl (Sevin, Savit)	7	2.8	0.98	1.7
Chlorpyrifos (Lorsban)	7	1.0	1.03	0.6
Esfenvalerate (Asana)	13	1.6	0.04	0.1
Lambda-cyhalothrin (Karate)	54	2.2	0.02	0.2
Permethrin (Ambush, Pounce)	27	2.4	0.15	0.8

1/Planted acres in 2000 for Wisconsin were 8,500 acres.
Source: Wisconsin Agricultural Statistics Service

**Major Chemical Use on Green Peas for Processing
Wisconsin, 2000 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)	29	1.1	0.99	16.0
Imazethapyr (Passport, Pursuit)	46	1.0	0.05	1.1
MCPA	4	1.0	0.16	0.3
MCPB (Can-Trol, Thistrol)	10	1.0	0.62	3.2
Pendimethalin (Prowl)	49	1.0	0.60	16.3
S-Metolachlor (Dual, Magnum)	6	1.0	0.99	3.3
Sethoxydim (Poast)	6	1.0	0.18	0.5
Insecticides:				
Dimethoate (Cygon, Roxion)	14	1.0	0.16	1.2
Esfenvalerate (Asana)	8	1.0	0.05	0.2

1/Planted acres in 2000 for Wisconsin were 51,800 acres.
Source: Wisconsin Agricultural Statistics Service



**Major Chemical Use on Onions
Wisconsin, 2000 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)	23	1.4	0.17	0.1
Oxyfluorfen (Goal)	97	2.7	0.05	0.3
Pendimethalin (Prowl)	97	1.9	1.80	6.9
Insecticides:				
Lambda-cyhalothrin (Karate)	94	1.7	0.03	0.1
Permethrin (Ambush, Pounce)	32	1.0	0.10	0.1
Fungicides:				
Chlorothalonil (Bravo)	31	3.4	1.20	2.6
Copper hydroxide (Champ, Kocide)	85	3.1	0.22	1.2
Mancozeb (Manzate, Penncozeb)	95	6.6	1.66	20.9

1/Planted acres in 2000 for Wisconsin were 2,000 acres.
Source: Wisconsin Agricultural Statistics Service

**Major Chemical Use on Cucumbers
Wisconsin, 2000 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:				
Bensulide (Betasan, Prefar)	9	1.0	3.42	1.7
Ethalfuralin (Urbit, Sonalan)	77	1.0	0.98	4.2
Naptalam (Alanap)	34	1.0	1.78	3.4

1/Planted acres in 2000 for Wisconsin were 5,500 acres.
Source: Wisconsin Agricultural Statistics Service

**Major Chemical Use on Beets
Wisconsin, 2000 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:				
Cycloate (Ro-Neet)	99	1.0	3.45	13.0

1/Planted acres in 2000 for Wisconsin were 3,800 acres.
Source: Wisconsin Agricultural Statistics Service

**Major Chemical Use on Lima Beans for Processing
Wisconsin, 2000 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)	41	1.1	0.85	--
Pendimethalin (Prowl)	54	1.0	0.87	--
Quizalofop-ethyl (Assure)	9	1.0	0.06	--
Sethoxydim (Poast)	34	1.0	0.33	--
Insecticides:				
Acephate (Orthene)	35	2.1	0.72	--

1/Planted acres and total applied not published to avoid disclosure.
Source: Wisconsin Agricultural Statistics Service

**Major Chemical Use on Carrots
Wisconsin, 2000 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)	65	1.4	0.16	0.7
Linuron (Linex, Lorox)	100	3.1	0.45	6.7
Fungicides:				
Chlorothalonil (Bravo)	95	3.7	0.95	16.4

1/Planted acres in 2000 for Wisconsin were 4,800 acres.
Source: Wisconsin Agricultural Statistics Service



**Major Chemical Use on Strawberries
Wisconsin, 2000 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:				
2, 4-D	41	1.0	1.23	0.6
Napropamide (Devrinol)	41	1.1	3.30	1.8
Sethoxydim (Poast)	22	1.1	0.31	0.1
Terbacil (Sinbar)	58	1.1	0.24	0.2
Insecticides:				
Chlorpyrifos (Lorsban)	17	1.3	0.77	0.2
Endosulfan (Thiodan)	46	1.8	0.78	0.8
Malathion (Cythion)	5	1.1	1.63	0.1
Methoxychlor	8	1.0	1.00	0.1
Fungicides:				
Benomyl (Benlate)	39	1.5	0.44	0.3
Captan	64	2.6	1.42	2.9
Iprodione (Rovral)	10	1.0	0.47	0.1
Mefenoxam (Ridomil Gold)	6	1.1	0.43	**
Metalaxyl (Ridomil)	5	1.4	0.36	**
Thiophanate-methyl (Topsin)	14	1.2	0.79	0.2

** Total applied is less than 50 lbs. 1/Planted acres in 2000 for Wisconsin were 1,200 acres. Source: Wisconsin Agricultural Statistics Service

**Major Chemical Use on Cabbage for Fresh Market
Wisconsin, 2000 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)	71	1.0	0.65	2.2
Insecticides:				
Bt (Bacillus thur.) 2/	43	1.1	--	--
Esfenvalerate (Asana)	1	5.3	0.03	**
Lambda-cyhalothrin (Karate)	98	2.1	0.02	0.2
Permethrin (Ambush, Pounce)	13	1.4	0.10	0.1

**Total applied is less than 50 lbs. 1/Planted acres in 2000 for Wisconsin were 4,800 acres. 2/Rates and total applied are not available because amounts of active ingredient are not comparable between products.
Source: Wisconsin Agricultural Statistics

**Major Chemical Use on Cabbage for Kraut
Wisconsin, 2000 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:				
Clomazone (Command, Commence)	99	1.0	0.21	0.8
Insecticides:				
Permethrin (Ambush, Pounce)	94	2.1	0.18	1.4

1/Planted acres in 2000 for Wisconsin were 3,800 acres.
Source: Wisconsin Agricultural Statistics Service

