

CHEMICAL USAGE

INDIANA PESTICIDE USAGE

Herbicide was used on 99 percent of Indiana's 5.8 million **CORN** acres during 2001 while insecticides were applied to 47 percent of the acreage. Atrazine was the herbicide of choice for 94 percent of the acreage while Tefluthrin was the most often used insecticide being applied to 14 percent of the state's acreage.

HERBICIDE AND INSECTICIDE USAGE CORN, INDIANA, 2001

	Acres Planted	Percent	Total <u>1/</u>	Percent of
	Corn			
Herbicide	5,800	99	16,007	104
Insecticide	5,800	47	1,103	138

MAJOR CHEMICAL USAGE, INDIANA, 2000-2001

Chemical (Trade Name)	Percent Acres		Rate Per		Total <u>1/</u>	
	2000	2001	2000	2001	2000	2001
	Corn					
Herbicides						
2,4-D (Several)	13	9	0.41	0.40	318	216
Acetamide (Axiom, Epic, Define, Domain)	2	6	0.50	0.39	66	128
Acetochlor (Harness Plus, Surpass, TopNotch)	26	27	2.01	1.74	2,918	2,715
Alachlor (Lasso, Freedom, Bronco)	3	5	2.06	2.20	330	659
Atrazine (Atrazine, Bicep, Degree, Xtra)	80	94	1.41	1.35	6,432	7,359
Clopyralid (Curtail, Stinger, Hornet)	10	2	0.10	0.10	56	9
Dicamba (Banvel, NorthStar, Celebrity, OpTill)	13	8	0.22	0.10	157	46
Dimethenamid (Guardzman, Frontier, OpTill)	6	*	1.23	*	427	*
Flumetsulam (Broadstrike, Accent Gold, Bicep)	11	2	0.04	0.04	25	4
Glyphosate (Roundup, Protocol, Extreme, Glyphomax)	11	6	0.47	0.88	287	301
Imazapyr (Lightning)	4	3	0.002	0.002	1	<1
Imazethapyr (Pursuit, Lightning, Steel)	4	3	0.007	0.007	2	1
Isoxaflutole (Balance, Epic)	3	13	0.06	0.06	9	46
Metolachlor (Dual, Dual II, Bicep, Turbo)	41	14	1.50	1.53	3,506	1,247
Metribuzin (Canopy, Turbo, Axiom, Boundary)	2	3	0.13	0.11	15	18
Nicosulfuron (Accent Gold, Celebrity, Steadfast)	5	3	0.01	0.01	3	2
Paraquat (Gramoxone Super, Extra, Starfire)	<u>2/</u>	4	0.50	0.56	21	115
Primisulfuron (Exceed, NorthStar, Beacon)	8	14	0.02	0.03	9	20
Prosulfuron (Exceed, Spirit)	4	10	0.008	0.009	2	5
Rimsulfuron (Steadfast, Accent Gold, Basis)	5	2	0.009	0.01	2	2
S-Metolachlor (Dual Mag, Dual II, Bicep Mag, Bound)	*	32	*	1.25	*	2,327
Simazine (Simazine, Princep, Simazat)	5	4	0.94	1.13	277	274
Insecticides						
Chlorpyrifos (Lorsban, Dursban)	8	6	1.04	1.35	499	483
Cyfluthrin (Baythroid, Leverage, Aztec)	---	10	---	0.006	---	3
Permethrin (Pounce, Ambush)	---	4	---	0.11	---	26
Tebupirimphos (Aztec)	---	10	---	0.12	---	70
Tefluthrin (Force)	13	14	0.10	0.11	75	95
Terbufos (Counter)	*	6	*	1.06	*	352

* Insufficient reports to publish data. 1/ Totals may not compute due to rounding. 2/ Area applied is less than one percent.

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INDIANA PESTICIDE USAGE (Continued)

Herbicides were applied to 98 percent of the **SOYBEAN** acres planted during 2001. There were insufficient reports to publish data for insecticides used on the state's acreage. Glyphosate, commonly known as Roundup, Protocol, Extreme, and Bronco, was the state's most widely used herbicide, applied to 85 percent of the state's acreage, while Chlorimuron-ethyl, known as Canopy and Classic, was applied to 10 percent of the acreage.

HERBICIDE AND INSECTICIDE USAGE SOYBEANS, INDIANA, 2001

Pesticide	Acres Planted (000)	Percent Acres Treated	Total ^{1/} Applied (000 #)	Percent of Previous Year
	<u>Soybeans</u>			
Herbicide	5,600	98	5,612	104

MAJOR CHEMICAL USAGE, INDIANA, 2000-2001

Chemical (Trade Name)	Percent Acres Treated		Rate Per Crop Year (Pounds)		Total ^{1/} Applied (000 #)	
	2000	2001	2000	2001	2000	2001
	<u>Soybeans</u>					
Herbicides						
2,4-D (Several)	14	9	0.4	0.36	373	177
Chlorimuron-ethyl (Canopy, Classic, Authority,	19	10	0.0	0.01	12	8
Clethodim (Conclude Xtra, Prism, Select)	5	*	0.1	*	32	*
Cloransulam-methyl (FirstRate, Frontrow, Gauntlet)	5	*	0.0	*	3	*
Fenoxaprop (Fusion)	10	4	0.1	0.12	88	25
Fluazifop-P-butyl (Fusilade, Typhoon, Fusion)	10	4	0.0	0.04	29	8
Fomesafen (Flexstar, Reflex, Typhoon)	6	4	0.1	0.19	45	39
Glyphosate (Roundup, Protocol, Extreme, Bronco)	71	85	0.9	0.85	3,894	4,040
Imazamox (Raptor)	5	4	0.0	0.03	6	6
Imazaquin (Scepter, Squadron, Tri-Scept, Steel)	2	4	0.1	0.08	14	16
Imazethapyr (Pursuit, Lightning, Steel, Extreme, Res.)	9	7	0.0	0.06	20	26
Metolachlor (Dual, Dual II, Bicep, Turbo)	2	*	1.2	*	161	*
Metribuzin (Canopy, Turbo, Sencor, Axiom, Boundary)	6	5	0.1	0.24	42	67
Pendimethalin (Prowl, Steel, Pursuit Plus, Squadron)	5	9	0.8	1.01	235	493
Sulfentrazone (Authority, Canopy, Gauntlet)	5	7	0.1	0.11	42	44
Sulfosate (Touchdown)	4	4	1.4	1.50	321	366
Thifensulfuron (Harmony, Synchrony, Pinnacle, Basis)	19	*	0.0	*	2	*
* Insufficient reports to publish data. ^{1/} Totals may not compute due to rounding.						