

CHEMICAL USAGE

INDIANA PESTICIDE USAGE

Herbicide was used on 99 percent of Indiana's 5.8 million **CORN** acres during 1999 while insecticides were applied to 36 percent of the acreage. Atrazine was the herbicide of choice for 91 percent of the acreage while Tefluthrin was the most often used insecticide being applied to 14 percent of the state's acreage. Herbicides were applied to 89 percent of the **SOYBEAN** acres planted during 1999. There was insufficient reports to publish data for insecticides used on the state's acreage. Glyphosate, commonly known as Roundup, Ranger, Rattler, and Rodeo, was the state's most widely used herbicide, applied to 76 percent of the state's acreage, while Chlorimuron-ethyl, known as Classic was used on 11 percent of the acreage.

HERBICIDE AND INSECTICIDE USAGE CORN AND SOYBEANS, INDIANA, 1999

	Acres Planted	Percent	Total 1/	Percent of
Corn				
Herbicide	5,800	99	14,819	81
Insecticide	5,800	36	1,156	72
Soybeans				
Herbicide	5,600	89	5,750	99

MAJOR CHEMICAL USAGE, INDIANA, 1998-1999

Chemical (Common Name)	Percent Acres Treated		Rate Per Crop Year (Pounds)		Total 1/ Applied (000 #)	
	1998	1999	1998	1999	1998	1999
Corn						
Herbicides						
2,4-D (several)	7	6	0.42	0.34	182	121
Acetochlor (Harness, Topnotch)	32	31	1.97	1.64	3,633	2,942
Alachlor (Lasso)	2	2	2.41	1.53	244	179
Atrazine (Aatrex, Atrazine)	89	91	1.36	1.26	7,054	6,666
Clopyralid (Reclaim, Stinger)	4	9	0.11	0.09	26	45
Cyanazine (Bladex, Conquest, Cycle, Extrazine)	13	3	1.43	1.89	1,092	310
Dicamba (Banvel)	8	2	0.17	0.22	78	29
Dicamba, Pot. Salt (Marksman)	6	--	0.44	--	155	--
Dimethenamid (Frontier, Guardsman)	--	2	--	1.32	--	121
Flumetsulam (Broadstrike)	5	11	0.04	0.04	10	24
Glyphosate (Ranger, Rattler, Rodeo, Roundup)	6	5	0.56	0.47	207	130
Imazethapyr (Pursuit)	2	3	0.006	0.008	1	2
Metolachlor (Dual)	42	47	2.04	1.41	4,925	3,842
Nicosulfuron (Accent)	7	3	0.02	0.02	8	4
Paraquat (Cyclone, Gramoxone, Starfire)	1	--	0.54	--	46	--
Primisulfuron (Beacon)	14	5	0.03	0.03	21	7
Prosulfuron (Peak)	13	--	0.009	--	7	--
Simazine (Princep, Simazine)	5	3	0.77	0.94	211	144
Insecticides						
Chlorethoxyfos (Fortress)	6	--	0.16	--	59	--
Chlorpyrifos (Lorsban, Dursban)	6	7	1.05	1.12	397	455
Cyfluthrin (Baythroid)	8	--	0.006	--	3	--
Lambda-cyhalothrin (Karate, Saber, Warrior)	2	--	0.010	--	2	--
Tebupirimphos (Aztec)	8	--	0.13	--	57	--
Tefluthrin (Force)	6	14	0.06	0.10	20	88
Terbufos (Counter)	13	8	1.28	0.91	946	416
Soybeans						
Herbicides						
2,4-D (several)	26	8	0.39	0.39	577	179
Chlorimuron-ethyl (Classic)	27	11	0.02	0.01	24	9
Clethodim (Select)	2	1	0.12	0.33	16	26
Clomazone (Command)	5	--	0.99	--	280	--
Cloransulam-methyl (FirstRate)	--	2	--	0.008	--	1
Fenoxaprop (several)	5	--	0.13	--	37	--
Fluazifop-P-butyl (Fusilade)	5	--	0.07	--	22	--
Fomesafen (Reflex)	13	--	0.20	--	145	--
Glyphosate (Ranger, Rattler, Rodeo, Roundup)	55	76	0.85	1.04	2,681	4,414
Imazaquin (Scepter)	14	7	0.07	0.07	55	29
Imazethapyr (Pursuit)	25	10	0.04	0.05	61	29
Metolachlor (Dual)	4	2	2.06	1.95	434	217
Metribuzin (Axiom, Lexone, Sencor)	12	3	0.18	0.26	119	47
Pendimethalin (Prowl)	19	8	0.89	0.81	987	376
Quizalofop-ethyl (Assure)	7	--	0.05	--	22	--
Sulfentrazone (Authority, Canopy)	9	7	0.12	0.09	61	34
Thifensulfuron (Pinnacle)	13	3	0.002	0.003	1	1

* Insufficient reports to publish data. 1/ Totals may not compute due to rounding.