

CHEMICAL USAGE

HERBICIDE AND INSECTICIDE USAGE CANTALOUPE AND WATERMELON, INDIANA, 1998

Crop	Planted Acreage	Percent of Acres Treated and Total Applied					
		Nitrogen		Phosphate		Potash	
	Acres	Percent	(000) Lbs	Percent	(000) Lbs	Percent	(000) Lbs
Cantaloupe	3,400	99	473	71	209	89	448
Watermelon	6,900	99	980	82	512	94	945

PESTICIDES, TOTAL ACREAGE INDIANA, 1998

Crop	Planted Acreage	Area Receiving and Total Applied							
		Herbicide		Insecticide ^{1/}		Fungicide		Other Chemical	
	Acres	Percent	(000) Lbs	Percent	(000) Lbs	Percent	(000) Lbs	Percent	(000) Lbs
Cantaloupe	3,400	94	8.3	97	8.0	96	29.5	15	58.8
Watermelon	6,900	94	15.4	91	16.8	93	49.3	13	87.3

^{1/} Total applied excludes Bt's (Bacillus thuringiensis). Quantities are not available because amounts of active ingredient are not

MAJOR CHEMICAL USAGE, INDIANA, 1998

Chemical (Common Name)	Cantaloupe			Watermelon		
	Percent Acres Treated	Rate Per Crop Year (Pounds)	Total Applied (000 #) ^{1/}	Percent Acres Treated	Rate Per Crop Year (Pounds)	Total Applied (000 #) ^{1/}
Herbicides						
Bensulide (Prefar)	20	3.50	2.4	21	2.19	3.1
Ethalfuralin (Curbit, Sonalan)	62	1.18	2.5	56	1.24	4.8
Fluazifop-P-butyl (Fusilade)	--	--	--	5	0.15	0.1
Glyphosate (Ranger, Rattler, Rodeo, Naptalam (Alanap)	38	2.19	2.9	46	2.05	6.5
Paraquat (Cyclone, Gramoxone, Starfire)	11	0.49	0.2	13	0.49	0.4
Sethoxydim (Poast)	22	0.24	0.2	9	0.23	0.2
Trifluralin (Treflan, Trific, Trilin)	5	0.54	0.1	6	0.41	0.2
Insecticides						
Carbaryl (Savit, Sevin)	43	2.41	3.5	50	1.65	5.7
Carbofuran (Furadan)	48	0.67	1.1	31	0.79	1.7
Dicofol (Kelthane)	--	--	--	19	0.58	0.8
Dimethoate (several)	--	--	--	31	1.08	2.3
Endosulfan (Thiodan)	36	0.67	0.8	45	1.21	3.7
Oxamyl (Vydate)	13	2.11	1.0	11	2.18	1.6
Permethrin (Ambush, Pounce)	61	0.49	1.0	41	0.28	0.8
Fungicides						
Benomyl (Benlate)	23	0.49	0.4	15	0.45	0.5
Chlorothalonil (Bravo, Daconil)	71	5.96	14.4	64	4.06	18.0
Copper hydroxide (several)	4	2.28	0.3	9	1.32	0.8
Copper resinate (Tenn-Cop)	19	0.24	0.2	27	0.29	0.6
Mancozeb (several)	66	6.05	13.6	60	6.35	26.4
Metalaxyl (Ridomil)	1	0.94	*	2	0.99	0.1
Thiophanate-methyl (Topsin)	15	0.84	0.4	33	1.12	2.6
Triadimefon (Bayleton)	24	0.14	0.1	5	0.10	*
Other						
Methyl bromide (several)	12	126.97	50.0	9	123.65	80.2

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