

## Pesticides Associated with Skin Disease in Agriculture

### Pesticide Information Leaflet No. 22

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Certain pesticides have been associated with rashes, irritation, and other skin-related symptoms. The following chart<sup>1,2</sup> lists pesticides reported to cause various skin problems.

Common Name	Trade Name(s)	Use	Cases	% of Total
propargite	Comite, Omite	acaricide	241	18.7
sulfur	Thiolux	fungicide, acaricide	195	15.1
glyphosate	Accord, Rodeo, Round-Up	herbicide	53	4.1
methyl bromide	Meth-O-Gas	fumigant	43	3.3
benomyl	Benlate	fungicide	30	2.3
captan		fungicide	26	2.0
petroleum products		carriers	24	1.9
cyhexatin	Oxotin, Plictran	acaricide	21	1.6
dinitrophenol		insecticide, acaricide, fungicide	18	1.4
ethylene dibromide	EDB	fumigant	15	1.2
paraquat		herbicide	15	1.2
methomyl	Lannate	insecticide	13	1.0
diazinon		insecticide	12	0.9
ziram		fungicide	12	0.9
captafol	Difolatan	fungicide	11	0.9

Common Name	Trade Name(s)	Use	Cases	% of Total
dichloropropene+ dichloropropane		fumigant	11	0.9
chlorothalonil	Bravo, Daconil	fungicide	10	0.8
dicofol	Kelthane	acaricide	10	0.8
acephate	Orthene	insecticide	8	0.6
carbaryl	Sevin	insecticide	8	0.6
dichloronitroaniline	DCNA		8	0.6
malathion		insecticide	8	0.6
naled	Dibrom	insecticide, acaricide	8	0.6
dienochlor	Pentac	acaricide	8	0.6
triadimefon	Bayleton	fungicide	8	0.6
dimethoate	Cygon	insecticide, acaricide	6	0.5
fenbutatin oxide	Vendex	acaricide	6	0.5
anilazine	Dyrene	fungicide	5	0.4
maneb		fungicide	5	0.4
simazine	Caliber, Princep	herbicide	5	0.4
metam-sodium	Vapam	fumigant	5	0.4
zineb		fungicide	5	0.4
other			168	13.0
unknown			184	14.3
TOTAL			1288	100.0

<sup>1</sup>Adapted from O'Malley, MA, Mathias CG, Coye MJ: Epidemiology of pesticide related skin disease in California agriculture: 1978-83. In Dosman J. and Cockroft D., eds. *Principles of Health and Safety in Agriculture*. Boca Raton, Florida, CRC Press, Inc., 1989. Copyright CRC Press, Boca Raton, FL.

<sup>2</sup>Percentages as shown do not add up to 100, as data for mixtures have been deleted from the table.