

# CHEMICAL USAGE

## FERTILIZER USAGE POTATOES, INDIANA, 1999

Planted Acreage	Percent of Acres Treated and Total Applied					
	Nitrogen		Phosphate		Potash	
<u>Acres</u>	<u>Percent</u>	<u>(000) Lbs</u>	<u>Percent</u>	<u>(000) Lbs</u>	<u>Percent</u>	<u>(000) Lbs</u>
5,200	100	600	100	500	100	500

## PESTICIDES, TOTAL POTATO ACREAGE INDIANA, 1999

Planted Acreage	Area Receiving and Total Applied					
	Herbicide		Insecticide <sup>1/</sup>		Fungicide	Other Chemical
<u>Acres</u>	<u>Percent</u>	<u>(000) Lbs</u>	<u>Percent</u>	<u>(000) Lbs</u>	<u>Percent</u>	<u>(000) Lbs</u>
5,200	67	9	99	2	29	10
					<u>2/</u>	<u>2/</u>

<sup>1/</sup> Total Applied excludes Bt's (Bacillus thuringiensis). Total BT quantities are not available because amounts of active ingredient are not comparable between products.

## AGRICULTURAL CHEMICAL APPLICATIONS, POTATOES, INDIANA, 1999

Chemical (Common Name)	Potatoes		
	Percent Acres Treated	Rate Per Crop Year (Pounds)	Total Applied (000 #) <sup>1/</sup>
<b>Herbicides</b>			
Linuron (Linex, Lorox)	41	.94	2
Metolachlor (Dual)	63	1.91	6
<b>Insecticides</b>			
Imidacloprid (Admire)	45	.13	**
Permethrin (Ambush, Pounce)	53	.35	1

\* Total applied is less than 1,000 lbs.

## AGRICULTURAL CHEMICAL APPLICATIONS, GRAPES, INDIANA, 1999

Chemical (Common Name)	Grapes		
	Percent Acres Treated	Rate Per Crop Year (Pounds)	Total Applied (000 #) <sup>1/</sup>
<b>Herbicides</b>			
Glyphosate (Ranger, Rattler, Rodeo, Roundup)	81	2.54	.9
Paraquat (Cyclone, Gramoxone, Starfire)	81	2.52	.9
<b>Insecticides</b>			
Carbaryl (Savit, Seven)	95	7.12	3.0
Phosmet (Imidan)	62	2.68	.7
<b>Fungicides</b>			
Azoxystrobin (Abound, Quadris)	28	.53	.1
Captan (Captan)	90	4.61	1.9
Iprodione (Rovral)	59	.99	.3
Mancozeb (several)	82	5.87	2.2
Myclobutanil (Nova, Rally)	72	.28	.1
Triadimefon (Bayleton)	10	.23	**

<sup>1/</sup> Bearing acres in 1999 for Indiana were 450 acres.

\*\* Total applied is less than 50 lbs.