

Using the PUR in the development of IPM systems for the reduction of VOC emissions

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Total lbs of VOC from top 10 crops in 2005

Crop	Total lbs
Cotton	474,534
Almond	305,234
Lettuce	217,443
Alfalfa	189,491
Orange	179,739

Total lbs of VOC from top 10 crops in 2005

Crop	Total lbs
Walnut	151,686
Grape	149,272
Broccoli	138,237
Tomato	128,661
Pistachio	85,415

Authors of VOC Alternative IPM Systems

Crops	Authors
Cotton	Larry Godfrey Steve Wright
Almond	Marshall Johnson Tom Lanini
Alfalfa	Larry Godfrey Mick Canevari
Orange	Beth Grafton-Cardwell Jim Adaskaveg
Walnut	Bob Van Steenwyk Mick Canevari

Authors of VOC Alternative IPM Systems

Crops	Authors
Tomato	Tom Lanini Bob Van Steenwyk
Broccoli	Richard Smith Eric Natwick
Lettuce	Steve Fennimore Nick Toscano
Pistachio	Bob Van Steenwyk Tom Lanini
Grape	Anil Shrestha Lucia Varela Jennifer Hashim-Buckey

Amount of AI, VOCs & ac tr. with Oxydemeton on cabbage for 2005

PUR Data Consider

Location	Season	Lbs AI	Lbs VOC	AC/treated
All	All	3,901	9,128	4,350
All	May-Oct	3,088	7,215	3,084
Non-Attain	All	603	1,410	1,078
Non-Attain	May-Oct	245	573	431

Amount of AI, VOCs & ac tr. with Abamectin on pears for 2005

PUR Data Consider

Location	Season	Lbs AI	Lbs VOC	AC/treated
All	All	159	4,406	11,790
All	May-Sept	41	1,140	2,622
Non-Attain	All	85	2,350	6,013
Non-Attain	May-Sept	24	644	1,469

Total lbs of VOC produced by AI on walnuts in 2005

Crop	AI	Lbs
Walnut	Chlorpyrifos	109,097
	Oxyfluorfen	23,312
	Naled	7,322
	Permethrin	3,618
	Diazinon	2,115
	Dicofol	3,903
	Methidathion	1,800
	Trifluralin	518
		151,686

EP Levels of various formulations of chlorpyrifos

Trade Name	CA Reg No.	EP Level
Lorsban 4E	62719-23	39.2
Lorsban 50W	62719-221	3.0
Lorsban 75WG	62719-301	3.7

Chlorpyrifos VOC Production 100 AC Application

Trade Name	Amount Formulated/AC	Lb For/ 100 AC	EP	Lbs VOC/ 100 AC
Lorsban 4E	4 pt	400	39.0	157
Lorsban 50W	4lbs	400	3.0	12

1993 Seasonal Codling Moth Flight in Walnuts, Woodland

