

Arizona Spring Melons Insect Losses Survey - 2007

Part 1.

1. Please indicate: PCA _____ Grower _____ Industry _____ other _____.
2. Reporting Area (county or counties) : _____.
3. Date submitted: (dd/mm/yy): _____.

2007 Spring Melons

	Cantaloupes	Watermelons
4. Melon Acreage to which this estimate applies:	Acres:	Acres:
5. Estimated yields in cartons or tons (per acre) for this acreage.		
6. Potential yield in cartons or tons for this acreage. Assume ideal conditions.		
7. % reduction in yield by: Weather (% reduction)		
8. % reduction in yield by: Chemical injury (% reduction)		
9. % reduction in yield by: Weeds (% reduction)		
10. % reduction in yield by: Disease (% reduction)		
11. % reduction in yield by: Birds and vetebrates (% reduction)		
12. % reduction in yield by: Insects (% reduction)		
13. % reduction in yield by Other Factors : List below. (% reduction)		
Application Costs: It is possible that acreage could have been treated using both air and ground sprayer, thus, when combined, percentages may total > 100%. These estimates are for Insecticide Applications .	Cantaloupes	Watermelons
14. Percent acres (for this estimate) treated by air in 2006:		
15. Average number of insecticide treatments by air :		
16. Cost (\$) per acre for a single aerial application:		
17. Percent acres (for this estimate) treated by ground in 2006:		
18. Average number of insecticide treatments by ground :		
19. Cost (\$) per acre for a single ground application:		
Insect Management Fees: Estimate the cost (\$) of insect management fees paid by growers to pest control advisors.	Cantaloupes	Watermelons
20. % acres where insect monitoring, scouting and sampling was conducted:		
21. Number of field visits per week:		
22. Estimated cost (\$) per acre for insect monitoring/advisory:		

Part 2.

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Pest		A		B		C		D		E	
		% acres where pest was present		% acres treated for this pest		Number of Foliar insecticide sprays used to control this pest		Cost \$ of a single spray application per / acre (include application cost)		% reduction in yield due to this pest	
		Cantaloupe	Watermelon	Cantaloupe	Watermelon	Cantaloupe	Watermelon	Cantaloupe	Watermelon	Cantaloupe	Watermelon
23	Seedling Pests -ground beetles, earwig, crickets										
24	Seedcorn Maggot										
25	Flea beetles										
26	Leafminers										
27	Beet armyworm										
28	Cabbage looper										
29	Whiteflies										
30	Aphids										
31	Thrips										
32	Spider Mites										
33	Trash bugs (Lygus, False chinch bugs, etc.)										
34	Darkling Beetles										
35	Cucurbit Yellows Stunt Disorder Virus										

		B		C		D	
		% acres treated		No. of applications used		Cost of a single application per acre	
		Cantaloupe	Watermelon	Cantaloupe	Watermelon	Cantaloupe	Watermelon
36	Chemigation treatments used at stand establishment during 2005:						
37	Soil-applied insecticide used (Admire, Generic imidacloprid, Platinum or Venom):						

Part 3.

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	Cantaloupes		Watermelons	
	Acres (%) treated with this product	Avg no.of times treated with product	Acres (%) treated with this product	Avg no.of times treated with product
Dimethoate				
Metasystox-R				
Diazinon				
Lannate				
Endosulfan				
Vydate				
Pyrethroids - Foliar - Chemigation				
Admire Pro				
Generic imidacloprid (Alias, Widow, Nuprid)				
Platinum				
Venom-soil				
Venom-foliar				
Courier				
Oberon				
Fulfill				
Intrepid				
Agrimek				
Success				
Bt (i.e., Dipel)				
Other				