Arizona Spring Melons Pest Losses Survey - 2009

Part 1.

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

	2009 Spring Melons	
	Melons	**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**.	**Melons**	**Watermelons**
14. Percent acres (for this estimate) treated by **air** in 2009:		
15. Average number of insecticide treatments by **air**:		
16. Cost ($) per acre for a single aerial application:		
17. Percent acres (for this estimate) treated by **ground** in 2009:		
18. Average number of insecticide treatments by **ground**:		
19. Cost ($) per acre for a single ground application:		
Insect Management Fees: Estimate the cost ($) of insect management fees paid by growers to pest control advisors.	**Melons**	**Watermelons**
20. % acres where insect monitoring, scouting and sampling was conducted:		
21. Number of field visits per week:		
22. Estimated cost ($) per acre for insect monitoring/advisory:		

Comments:

Please return survey to:

John Palumbo, Yuma Ag Center, 6425 W. 8th St., Yuma AZ 85364
FAX: 928-782-1940

Part 2.

Arizona Spring Melons Insect Losses Survey - 2009

	Pest	A: % acres where pest was present		B: % acres treated for this pest		C: Number of Foliar insecticide sprays used to control this pest		D: Cost $ of a single spray application per / acre (include application cost)		E: % reduction in yield due to this pest	
		Melons	Watermelon	Melons	Watermelon	Melons	Watermelon	Melons	Watermelon	Melons	Watermelon
23	**Seedling Pests** -ground beetles, earwig, crickets										
24	**Seedcorn Maggot**										
25	**Flea beetles**										
26	**Leafminers**										
27	**Beet armyworm**										
28	**Cabbage looper**										
29	**Whiteflys**										
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: % acres treated		C: No. of applications used		D: Cost $ of a single application per acre	
		Melons	Watermelon	Melons	Watermelon	Melons	Watermelon
36	**Chemigation treatments used at stand establishment during 2005:**						
37	**Soil-applied insecticide used** (Admire, Generic imidaclorpid, Platinum, Coragen or Venom):						

Part 3. Arizona Melons Insect Losses Survey - 2009

	Melons		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				
Pyrethroid - Chemigation				
Admire Pro				
Generic imidaclorprid (*Alias, Widow, Nuprid)*				
Platinum				
Actara				
Venom- Foliar				
Venom- Soil				
Assail				
Courier				
Oberon				
Fulfill				
Avaunt				
Intrepid				
Agrimek				
Radiant				
Coragen - Foliar				
Coragen - Soil				
Vetica				
Synapse				
Bt (i.e., Dipel)				
Other:				

Part 4.

Arizona Spring Melons Disease Losses Survey - 2009

	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	
		Melons	Watermelon	Melons	Watermelon	Melons	Watermelon	Melons	Watermelon	Melons	Watermelon
38	Charcoal rot										
39	*Monosporascus* vine decline										
40	Powdery mildew										
41	*Pythium* root rot and damping off										
42	Root knot nematode										
43	Viruses (other than CYSDV)										
44	Other										

Part 5. Arizona Melons Disease Losses Survey - 2009

	Melons		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
Cabrio				
Cannonball				
Chlorothalonil				
Flint				
Potassium bicarbonate				
Pristine				
Procure				
Quadris				
Quintec				
Rally				
Serenade				
Sonata				
Sovran				
Sulfur, dusting				
Sulfur, wettable				
Topsin M				
Others:				

Part 6. Arizona Melon Weed Losses Survey - 2009

Herbicide	Acres treated (%)	Application method (% applied)			Estimated cost ($/ac) including application		
		Ground	Air	Chemigation	Ground	Air	Chemigation
Trifluralin							
Prefar							
Devrinol							
Select (Select Max)							
Prism, Arrow, Intensity							
Poast (Vantage, Segment)							
Dacthal							
GoalTender							
Stinger							
Non-chemical control							
Cultivation							
Hand Hoeing							

Part 7. Arizona Melon Weed Losses Survey - 2009

Weed	% acres where weed was present
Common Purslane	
Pigweed	
Groundcherry	
Spurge	
Sunflower	
Clover	
Malva	
Morninglory	
Knotweed	
Marstail	
Russian Thistle	
London Rocket	
Spehardspurse	
Sowthistle	
Nettleleaf Goosefoot	
Lambsquarters	
Sahara Mustard	
Nutsedge	
Annual Bluegrass	
Cannarygrass	
Wild Oat	
Volunteer Grain	
Barnyard Grass	
Junglerice	
Cupgrass	
Sprangletop	
Feather Fingergrass	
Sandbur	
Foxtail	
Rabbitsfoot Grass	
Other	