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Table 10	Insect	loss estimates	tor	Ar170na	nima	cotton	during	71177
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	Acres	% Acres		% Acres	# of apps	Cost of 1	% loss /acre	# of apps/		overall %	Bales lost /		Loss +	% Total
Pest	Infested	Infested	Acres Treated	Treated	/acres treated	application	infested	total acres	cost/acre	reduction	pest	Loss + cost	cost/acre	Loss+Cost
Bollworm/Budworm	12,541	93%	11,092	82.3%	1.5	\$18.50	4.08%	1.23	\$22.76	3.80%	1,656	\$1,477,687	\$109.65	78.7%
Beet Armyworm	0	0%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Fall Armyworm	350	3%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Loopers	0	0%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Cutworms	177	1%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Cotton Leaf Perforator	0	0%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Saltmarsh Caterpillar	0	0%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Lygus	6,412	48%	2,338	17.4%	1.0	\$30.67	1.07%	0.17	\$5.21	0.51%	222	\$193,266	\$14.34	10.3%
Cotton Fleahopper	883	7%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Stink Bugs (other than	883	7%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
brown stink bug)														
Brown Stink Bug	883	7%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Clouded Plant Bug	0	0%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Leaf Footed Bugs	0	0%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Spider Mites	0	0%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Thrips	13,477	100%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Aphids	53	0%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Grasshoppers	9,891	73%	9,380	69.6%	0.3	\$20.00	0.70%	0.22	\$4.40	0.51%	223	\$204,082	\$15.14	10.9%
Banded Winged	0	0%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Whitefly														
Silverleaf Whitefly	230	2%	404	3.0%	1.0	\$35.00	0.00%	0.03	\$1.05	0.00%	0	\$241	\$0.02	0.0%
Colaspis beetles	0	0%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Cotton stainers	0	0%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Crickets	0	0%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Darkling Beetles	0	0%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
False Chinch Bug	0	0%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Pale-Striped Flea	0	0%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Beetle														
Potato leafhopper	353	3%	539	4.0%	0.5	\$17.00	0.00%	0.02	\$0.34	0.00%	0	\$120	\$0.01	0.0%
Thrips (Bean)	883	7%	1,348	10.0%	1.0	\$17.00	0.00%	0.10	\$1.70	0.00%	0	\$1,501	\$0.11	0.1%
Mealybugs	0	0%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
Boll Weevil	0	0%	0	0.0%	0.0	\$0.00	0.00%	0.00	\$0.00	0.00%	0	\$0	\$0.00	0.0%
TOTAL								1.77	\$35.46	4.82%	2,101	\$1,876,897	\$139.27	

SUMMARY DATA

Data Input				Yield and Management Results Econom				
State	Arizona			Total Acres	13,477		Total	Per Acre
Region	West			Total Bales Harvested	33,693	Foliar Insecticide Costs	\$477,872	\$35.46
Year	2022			Total Bales Lost to Insects	2,101	Seed Treatment Costs	\$72,419	\$5.37
Total Acres (Pima)	13,477	In-furrow cost/treated acre	-	Percent Yield Loss	4.8%	In-Furrow Costs	\$0	\$0.00
Yield / Acre (Pima)	1,200	% acres in Boll Weevil Eradication	100%	Yield w/o Insects (lb/acre)	1,261	Scouting Costs	\$130,165	\$9.66
Price / lb	\$1.50	Cost/acre Boll Weevil Eradication	\$4.18	Av. # Applications	1.77	Eradication Costs	\$119,152	\$8.84
yield potential (lb/acre)	1,553	% acres in Pink Bollworm Eradication	100%	Total Bales lost (all factors)	9,901	Bt Cotton	\$0	\$0.00
Acres (Upland)	-	Cost/acre Pink Bollworm Eradication	\$4.66	Total % yield Loss	22.7%	Total Costs	\$799,608	\$59.33
Yield / Acre (Upland)	-	% Insect apps by air	33%	Transgenic Cotton (arthropods) (# acres)	0	Yield Loss to Insects	\$1,512,720	\$112.24
% Acres Scouted	95%	No. apps by air	0.7	Boll Weevil Eradication (# acres)	13,477	Total Losses + Costs	\$2,312,328	\$171.58
Fee / Scouted Acre	\$10.17	Cost/app by air	\$15.00	Pink Bollworm Eradication (# acres)	13,477			
No. times scouted/week	1.7	% insect apps by ground	97%	# Scouted Acres	12,803			
% acres Transgenic (Bt) Cotton	0%	No. apps by ground	2.625	Seed Treatments (arthropods) (# acres)	883			
Cost/treated acre (Bt) Cotton	\$0.00	Cost/app by ground	\$8.75	In-Furrow Applications (# acres)	0			
% acres with seed treatment	7%	% Loss to weather	0.7%	Applications by Air (acres)	4,492			
Seed trt. cost/ treated acre	\$82.00	% loss to non-arthropods	9.2%	Applications by Ground (acres)	13,028			
% acres with in-furrow	0%	% loss to other (chemical injury,	8.0%	No. acres with no foliar insecticide	1,172			
		weeds, diseases, etc.)		applications				