

Table 15.	MISSISSIPPI					Cotton insect losses - 1997	
PEST	Acres Infested	Acres Treated	# Insect Applic	Cost of 1 Appl	Cost/acre	% Yeld Loss	Bales Lost
Boll Weevils	830249	805049	2.983	\$4.62	\$13.77	1.425	31896
Boll/budworms	852372	679495	2.541	\$9.70	\$24.65	2.400	53712
Pink Bollworm	0	0	0.000	n/a	\$0.00	0.000	0
Cotton Fleahoppers	130497	28480	0.015	\$6.66	\$0.10	0.015	329
Lygus	874827	712640	1.594	\$5.03	\$8.02	1.301	29119
Cotton Leaf perforators	0	0	0.000	n/a	\$0.00	0.000	0
Spider Mites	121717	32500	0.022	\$10.21	\$0.23	0.079	1767
Thrips, early season	638697	290575	0.396	\$3.77	\$1.49	0.074	1658
Beet Armyworms	147847	36552	0.028	\$11.75	\$0.32	0.060	1341
Fall Armyworms	299222	92350	0.123	\$10.77	\$1.32	0.456	10212
Euro ean Cornborers	27250	550	0.001	\$8.10	\$0.01	0.002	54
Stink Bugs	78797	6900	0.012	\$5.81	\$0.07	0.013	291
Gras hoppers	63447	0	0.000	n/a	\$0.00	0.000	0
Saltmarsh Catepillers	18900	1000	0.001	\$6.00	\$0.01	0.000	9
Aphids	802532	387920	0.320	\$7.97	\$2.55	0.788	17640
Bandedwing Whiteflies	269597	10850	0.008	\$6.83	\$0.05	0.061	1362
Sweet Potato Whiteflies	3000	400	0.000	\$10.00	\$0.00	0.009	202
Soybean Loopers	240122	14400	0.011	\$6.61	\$0.07	0.000	2
Cabbage Loopers	113697	2000	0.002	\$7.00	\$0.01	0.026	583
Western Flower Thrips	193197	0	0.000	n/a	\$0.00	0.000	0
Cutworms	103700	41150	0.040	\$3.67	\$0.15	0.029	638
							Cost/Acre
						foliar insecticide	\$52.84
Percent Lost:	6.74		est. Yield per acre:			at planting	\$7.73
Total Acres:	962585			\$863.00		Bt use fees	\$14.38
Total Acres Harvested:	960550		Cost loss	\$132,451,095		eradication	\$8.32
Total Bales Lost:	150816		Cost loss/acre	\$137.60		scouting	\$5.44
Bales lost in \$\$\$:	\$47,054,447					TOTAL	\$88.72

Table 15a.	MISSISSIPPI DELTA					Cotton insect losses - 1997	
PEST	Acres Infested	Acres Treated	# Insect Applic	Cost of 1 Appl	Cost/acre	% Yeld Loss	Bales Lost
Boll Weevils	490237	478237	3.044	\$4.97	\$15.12	1.688	26741
Boll/budworms	515140	488740	3.206	\$9.85	\$31.60	2.437	38605
Pink Bollworm	0	0	0.000	n/a		0.000	0
Cotton Fleahoppers	67400	22480	0.014	\$7.48	\$0.10	0.021	329
Lygus	551240	510240	2.292	\$5.00	\$11.46	1.421	22512
Cotton Leaf perforators	0	0	0.000	n/a		0.000	0
Spider Mites	61400	21280	0.012	\$9.38	\$0.12	0.104	1650
Thrips, early season	375775	201600	0.368	\$4.88	\$1.80	0.065	1034
Beet Armyworms	54000	24350	0.019	\$12.72	\$0.24	0.042	669
Fall Armyworms	117500	46100	0.079	\$9.14	\$0.73	0.430	6819
Euro ean Cornborers	11700	0	0.000	n/a	\$0.00	0.002	31
Stink Bugs	11700	0	0.000	n/a	\$0.00	0.000	6
Gras hoppers	2750	0	0.000	n/a	\$0.00	0.000	0
Saltmarsh Catepillers	3700	0	0.000	n/a	\$0.00	0.001	9
Aphids	480275	265000	0.282	\$8.33	\$2.35	0.729	11553
Bandedwing Whiteflies	55500	4000	0.000	\$1.00	\$0.00	0.053	833

Sweet Potato Whiteflies	0	0	0.000	n/a	\$0.00	0.000	0	
Soybean Loopers	45500	9500	0.009	\$5.99	\$0.05	0.019	303	
Cabbage Loopers	8000	0	0.000	n/a	\$0.00	0.000	0	
Western Flower Thrips	74100	0	0.000	n/a	\$0.00	0.000	0	
Cutworms	38050	24100	0.035	\$3.86	\$0.14	0.002	29	
							Cost/Acre	
							foliar insecticide	\$63.70
Percent Lost:	7.01	est. Yield per acre:		903	at planting		\$8.50	
Total Acres:	620773				Bt use fees		\$10.55	
		cost loss		\$89,548,153	eradication		\$0.00	
Total Bales Lost:	111125	cost loss/acre		\$144.25	Scouting		\$5.64	
Bales lost in \$\$\$:	\$34,670,912				TOTAL		\$88.40	

Table 15b.	MISSISSIPPI HILLS						Cotton insect losses - 1997	
PEST	Acres Infested	Acres Treated	# Insect Applic	Cost of 1 Appl	Cost/acre	% Y eld Loss	Bales Lost	
Boll Weevils	340012	326812	2.871	\$3.94	\$11.31	0.687	5155	
Boll/budworms	337232	190755	1.333	\$9.02	\$12.03	2.013	15106	
Pink Bollworm	0	0	0.000	n/a	\$0.00	0.000	0	
Cotton Fleahoppers	63097	6000	0.018	\$5.50	..1	0.000	0	
Lygus	323587	202400	0.326	\$5.44	\$1.77	0.881	6607	
Cotton Leaf perforators	0	0	0.000	n/a	\$0.00	0.000	0	
Spider Mites	60317	11220	0.040	\$10.67	\$0.43	0.016	117	
Thrips, early season	262922	88975	0.447	\$2.11	\$0.94	0.083	624	
Beet Armyworms	93847	12202	0.043	\$10.98	\$0.47	0.089	671	
Fall Armyworms	181722	46250	0.202	\$11.93	\$2.41	0.452	3393	
Euro ean Cornborers	15550	550	0.003	\$8.10	\$0.02	0.003	23	
Stink Bugs	67097	6900	0.035	\$5.81	\$0.20	0.038	285	
Gras hoppers	60697	15000	0.000	n/a	\$0.00	0.000	0	
Saltmarsh Catepillers	15200	1000	0.003	\$6.00	\$0.02	0.000	0	
Aphids	322257	122920	0.388	\$7.50	\$2.91	0.811	6086	
Bandedwing Whiteflies	214097	6850	0.022	\$6.83	\$0.15	0.070	528	
Sweet Potato Whiteflies	3000	400	0.001	\$10.00	\$0.01	0.027	202	
Soybean Loopers	194622	4900	0.014	\$7.30	\$0.10	0.000	1	
Cabbage Loopers	105697	2000	0.006	\$7.00	\$0.04	0.078	583	
Western Flower Thrips	119097	0	0.000	n/a	\$0.00	0.000	0	
Cutworms	6565	17050	0.050	\$3.43	\$0.17	0.081	609	
							Cost/Acre	
							foliar insecticide	\$33.11
Percent Lost:	5.33	est. Yield per acre:		789	at planting		\$6.32	
Total Acres:	341812				Bt use fees		\$21.34	
Total Bales lost	39993	cost loss		\$42,997,189	eradication		\$23.43	
Bales lost in \$\$\$	12477782	cost loss/acre		\$125.79	scouting		\$5.09	
							TOTAL	\$89.29