

Table 1 - ESTIMATED REDUCTION IN 1985 COTTON YIELDS RESULTING FROM INSECT DAMAGE TOTAL YIELD 13,622 bales

STATE																			
INSECTS	Loss in	AL	AZ	AR	CA	FL	GA	LA	MS	MO	NM	NC	OK	SC	TN	TX	VA	No. Bales Loss	Total % Loss
Boll Weevil <i>Anthonomus grandis</i> Boheman	Percent Bales	5.2 26.0	0.4 4.0	1.5 10.5	.003 .10	5.55 1.94	6.01 21.64	4.5 34.2	0.85 14.28	0 0	0 0	NA	.15 .39	0	0.1 0.4	0.48 20.16	0 0	133.61	0.98
Bollworm-tobacco budworm <i>Heliothis zea</i> (Boddie) <i>Heliothis virescens</i> (F.)	Percent Bales	2.6 13.0	1.0 10.0	1.8 12.6	0.7 22.4	4.32 1.51	3.61 13.0	4.0 30.4	1.3 21.84	1.0 1.95	2.5 1.88	8.5 9.78	5.0 13	4.3 7.74	3.0 12	3.78 158.76	15 .32	330.18	2.4
Cotton fleahopper <i>Pseudatomoscelis seriatus</i> (Reuter)	Percent Bales	0 0	.01 .1	1.0 7.0	0 0	0 0	0.21 0.76	0.5 3.8	0.5 8.4	0 0	2.0 1.5	NA	1.0 2.6	0.1 0.18	0.1 0.4	0.62 26.04	0 0	50.78	0.37
<i>Lygus</i> spp. and other Plant bugs	Percent Bales	1 5	1.10 11.0	2.0 14.0	0.63 20.16	.03 .01	1.0 3.6	0.7 5.32	0.64 10.75	5.0 9.75	2.5 1.88	0.5 0.58	0 0	0.5 0.9	3.2 12.8	0.14 5.88	0 0	101.63	0.74
Cotton Leafperforator <i>Bucculatrix thurberiella</i> busck	Percent Bales	NA NA	.05 0.5	NA 0	0 0	NA NA	NA NA	NA NA	NA NA	NA NA	0 0	NA NA	0 0	NA NA	NA 0	0 0	NA NA	0.5	Trace
Pink bollworm <i>Pectinophora gossypiella</i> (Saunders)	Percent Bales	NA NA	2.6 26	NA NA	0.11 3.52	NA NA	NA NA	NA NA	NA NA	NA NA	2.0 1.5	NA NA	0 0	NA NA	NA NA	0.06 2.52	NA NA	33.54	0.25
Spider Mite <i>Tetranychus</i> spp.	Percent Bales	0.2 1.0	0.4 4.0	0 0	0.5 16.0	.02 .01	0.12 0.43	0.3 2.28	1.04 17.47	.05 .1	0.5 0.38	0 0	.05 .13	0.5 0.9	0.5 2.0	0.59 24.78	0.5 .01	69.49	0.51
Thrips <i>Frankliniella</i> spp.	Percent Bales	0.2 1.0	.02 0.2	0.8 5.6	0.25 8.0	.13 .05	0.42 1.51	0.6 4.56	0.26 4.37	2.0 3.9	2.5 1.88	1.0 1.15	0 0	1.8 3.24	0.5 2.0	1.19 49.98	0.5 .01	91.45	0.67
Others : c,d,e,f,g,h,j,k,l	Percent Bales	C,l,l 1.54 5.9	D,e 1.3 13		K,e,d 0 6.56	C 1.18 0.41	l,c 0.31 1.12	l,c,l 0.9 6.84	C,e,j,h,k 2.120 35.62	F 0.25 0.49	D,e,hl 3.1 2.33	F,e 6.7 7.71		C,d,e,f,l 3.5 6.3	E 4.7 8.8	l,h 1.14 47.88	0 0	147.96	1.1
Total Percent Loss	Percent	10.38	6.88	7.1	2.4	11.26	11.68	11.5	6.7	8.3	15.13	16.7	6.2	10.7	12.1	8.0	16.2	955.23	7.01
Total Bales Loss	Bales	51.9	68.8	49.7	76.74	3.93	42.06	87.4	112.73	16.19	11.35	19.22	16.12	19.26	48.4	336	0.34	24.78 <sup>m</sup>	
Cost Control/Acre <sup>1</sup>	Dollars	48.12	95.00	32.00	15.85	82.80	88.57	59.50	37.60	14.30	17.00	33.00	14.00	46.20	9.50	9.56	28.00	13662	
Yield in Bales <sup>m</sup>	Bales	500	1,000	700	3,200	34.9	360	760	1,680	195	75	115	260	180	400	4,200	2.1		
Acres hvt. * 1,000		327	390	440	1,340	21.5	255	635	1,040	152	55	88	355	122	330	4,700	1.7		10252.29

A All bale figures in table \* 1,000. Estimated by research, Extension and others based on Statistical Reporting Service December report. <sup>b</sup>NA, not applicable. <sup>c</sup>Fall armyworm (*Spodoptera frugiperda* (J.E. Smith)); <sup>d</sup>Beet armyworm (*Spodoptera exigua* (Hubner)); <sup>e</sup>Stink bugs 9several spp.); <sup>f</sup>European corn borer (*Ostrinia nubilalis* (Hubner)); <sup>g</sup>Yellowstriped armyworm (*Spodoptera ornithogalli* (Guenee)); <sup>h</sup>Grasshoppers (*Schistocerca americana* (Drury)); <sup>i</sup>Cotton aphid (*Aphis gossypii* Glover); <sup>j</sup>Cutworms (*Agrotis* spp.) (*Feltia subterranea* (f.)); <sup>k</sup>Whitefly (*Trialeurodes abutilonea* or *Bemisia tabaci*); <sup>l</sup>Western Flower Thrips; <sup>m</sup>Average cost for all states <sup>n</sup>Total yield for all states <sup>o</sup> Total acres for all states \*Does not include BWE cost