

Table 1 - ESTIMATED REDUCTION IN 1981 COTTON YIELDS RESULTING FROM INSECT DAMAGE.^a

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	Percent	5.5	0.13	2.75	NA ^b	6	3.2	3.9	2.7	0	NA	2	Na	4.1	1	1.2	0	200.83	1.29
<i>Anthonomus grandis</i>	Bales	23	2	17.2	NA	0.9	5	29	43	0	NA	1.8	Na	6.6	3.1	70.1	0		
(Boheman)																			
Bollworm tobacco budworm	Percent	4.5	1.5	1.5	0	7	5.1	4.9	2.6	5	9	13	8	3.1	5	1.8	3	323.71	2.08
<i>Heliothis tea</i> (Boddie)	Bales	18.8	23.3	9.4	0	1.1	7.9	36.8	41.5	8.1	10	11.3	33	5	16	103	0.01		
<i>Heliothis virescens</i> (F)																			
Cotton fleahopper	Percent	0	0.02	0.05	0	0	0	0.3	0.05	0.3	3	0	0.5	0	0	1.1	0	71.03	0.46
<i>Pseudatomoscelis seriatus</i> (Reuter)	Bales	0	0.31	0.31	0	0	0	2.3	0.7	0.4	3.3	0	2.1	0	0	63	0		
<i>Lygus</i> spp. and other	Percent	1.3	1.3	0.75	1.6	0.3	1.1	0.4	0.2	1.5	6	0	0	0.2	3	0.17	0	121.56	0.78
Plant bugs	Bales	5.4	20	4.7	55	0.05	1.7	3	3.1	2.4	6.6	0	0	0.3	9.3	9.7	0		
Cotton Leafperforator	Percent	NA	0.9	NA	0	NA	NA	NA	NA	NA	0.1	NA	0	NA	NA	NA	NA	13.6	0.09
<i>Bacculatrix thurberiella</i>	Bales	NA	13.5	NA	0	NA	NA	NA	NA	NA	0.1	NA	0	NA	NA	NA	NA		
(Buack)																			
Pink bollworm	Percent	NA	2.9	NA	0	NA	NA	NA	NA	NA	2	NA	0	NA	NA	0.03	NA	49.02	0.31
<i>Pectinophora gossypiella</i>	Bales	NA	45	NA	0	NA	NA	NA	NA	NA	2.2	NA	0	NA	NA	1.7	NA		
(Saunders)																			
Spider Mite	Percent	0.6	0.3	0.2	4	0.2	0.1	0.6	0.1	0.5	0.1	0.5	0.1	0.1	3	0.01	0	150.53	0.97
<i>Tetranychus</i> spp.	Bales	2.5	4.3	1.3	124	0.03	0.2	4.5	1.9	0.8	0.1	0.5	0.4	0.1	9	0.5	0		
Thrips	Percent	1.7	0	1	0	0.2	0.1	0.5	0.2	2	3	0.1	0.5	0.5	0.1	0.05	0	31.98	0.21
<i>Frankliniella</i> spp.	Bales	7	0	6.3	0	0.03	0.2	3.8	2.7	3.2	3.3	0.05	2.1	0.8	0.2	2.6	0		
Others ^{c, d, e, f, g, h, i, j, k, l}	Percent	c, l, k	d, e, k	0	0	Ck	C, d	C, i	C, d, h, j	f	0	f	F, k	c, f	i	h	0	85.51	0.55
	Bales	0.7	1.1	0	0	0.6	0.5	.1	0.3	1.5	0	4	0.6	0.8	0.2	0.2	0		
		3	17.5			0.09	0.8	8.3	5	2.4		3.6	2.3	1.2	0.6	41.0			
Total Percent Loss -----		14.3	8.1	6.3	5.2	14.3	10.15.98	11.7	6.2	10.8	23.1	19.1	9.7	8.7	12.3	5.0	3	1040 to the nearest	
Total Bales Loss -----		59.6	126	39.1	179	2.2	72	84.8	98	17.2	25.4	17.2	39.6	14	38.1	286.1	0.01	10 ⁴	
Cost Control/Acre ¹ -----		41.7	69	26.4	21.7	15	155	49.5	33.4	7.00	14	7.80	42.5	90.0	3.5	25	24.0	6.74	
Yield in Bales ^m -----		418	1,550	625	3,450	135		750	1,570	162	110	90	410	160	310	5,700	0.450		

^aAll bale figures in table * 1,000. Estimated by research, extension, and others based on Statistical Reporting Service December Report.

bNA= not applicable

cFall armyworm (*Spodoptera frugiperda* (J.E. Smith)). ^dBeet armyworm (*Spodoptera exigua* (Hubner)). ^eStink bugs (*Euschistus* sp.). ^fEuropean corn borer (*Ostrinia nubilalis* (Hubner)). ^gYellowstriped armyworm (*Spodoptera ornithogalli* (Guenee)). ^hGrasshoppers (*Schistocerca americana* (Drury)); (*Melanoplus* spp.). ⁱCotton aphid (*Aphis gossypii* (Glover)). ^jCutworms (*Agrotis* spp.); (*Feltia subterranea* (F.)). ^kWhitefly (*Trioletodes abutilonea* (Haldeman)). ^lAverage control cost for all States--\$36.27. ^mTotal yield for all States--10,937.0