

COTTON DISEASE LOSS ESTIMATE COMMITTEE REPORT
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Table 1. Estimated Reduction in 1995 Cotton Yield Resulting from Diseases.*

DISEASES	AL	AZ	AR	CA	GA	LA	MS	MO	NM	NC	OK	SC	TN	TX	BALES LOST	AVG. % LOST
Note: Table entries are % loss (top figure) and bales lost (lower figure)**																
Fusarium Wilt <i>F. oxysporium f. sp. vasinfectum</i>	0.30 1,640	-	1.00 9,302	0.30 8,199	1.00 22,989	1.00 15,882	Tr.	-	-	0	2.00 4,353	Tr.	0.01 89	0.20 11,294	73,748	0.42
Verticillium Wilt <i>V. dahliae</i>	0.20 1,093	3.00 53,962	3.00 27,907	2.00 54,662	Tr.	Tr.	0.75 15,549	0.10 544	4.00 3,676	0	1.50 3,264	0	1.00 8,882	1.50 84,706	254,246	1.22
Bacterial Blight <i>Xanthomonas malvacearum</i>	-	-	-	-	Tr.	-	-	-	Tr.	0	0.75 1,632	0	-	0.70 39,529	41,162	0.10
Phymatotrichum Root Rot <i>P. omnivorum</i>	-	4.50 80,943	-	-	-	Tr.	-	-	0.10 92	0	-	0	-	2.50 141,176	222,212	0.51
Seedling Diseases <i>Rhizoctonia solani, Pythium spp., Fusarium spp., etc.</i>	8.00 43,727	2.50 44,969	4.00 37,209	3.00 81,994	1.50 34,483	6.00 95,294	3.00 62,197	1.00 5,437	2.00 1,838	5.50 60,000	2.00 4,353	4.00 21,053	6.00 53,294	5.00 282,353	828,199	3.82
Ascochyta Blight <i>A. gossypii</i>	-	-	-	-	Tr.	Tr.	Tr.	-	-	0	1.00 2,176	Tr.	0.01 888	0.10 5,647	8,712	0.09
Boll Rots	1.50 8,199	0.50 8,994	2.00 18,605	Tr.	5.00 114,943	2.00 31,765	3.50 72,563	-	0.25 230	12.00 130,909	0.10 218	4.00 21,053	3.00 26,647	0.50 28,235	462,359	2.45
Nematode Spp.	7.50 40,994	5.00 89,937	4.00 37,209	1.40 38,264	5.50 126,437	6.00 95,294	4.00 82,929	0.50 2,719	5.00 4,594	Tr.	0.50 1,088	6.00 31,579	0.20 1,777	4.00 225,882	778,703	3.54
Leaf Spots And Others***	2.00 10,932	5.00 89,937	-	-	Tr.	Tr.	Tr.	-	0.50 459	0	0.25 544	0.50 2,632	0.75 6,662	0.50 28,235	139,401	0.68
TOTAL PERCENT	19.50	20.50	14.00	6.70	13.00	15.00	11.25	1.6	11.85	17.50	8.10	14.50	11.06	15.00		12.83
BALES LOST	106,584	368,742	130,233	183,119	298,851	238,235	233,239	8,699	10,889	190,909	17,628	76,316	98,239	847,059	2,808,741	
YIELDS IN BALES****	546,584	1,798,742	930,233	2,733,118	2,298,850	1,588,235	2,073,239	543,699	91,889	1,090,909	217,628	526,316	888,239	5,647,058		

* Cotton disease loss estimates were made by extension and research pathologists and agronomists with cotton responsibilities in their respective states.

** Rounding errors present

*** Leaf spots (*Alternaria*, *Cercospora*, *Phomopsis*, etc.) and various root rots.

**** Yield potential had not disease been present.