

COTTON DISEASE LOSS ESTIMATE COMMITTEE REPORT

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Table 1. Estimated Reduction in 1997 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>	Tr.	-	1.00 19,408	0.10 2,335	1.00 24,260	1.00 10,920	Tr.	-	-	0	1.00 2,309	Tr.	0.01 77	0.30 18,451	77,760	0.32
Verticillium Wilt <i>V. dahliae</i>	.10 638	4.00 40,745	3.00 58,225	3.00 70,063	Tr.	Tr.	0.50 9,888	.10 549	5.00 5,287	0.02 177	1.00 2,309	0	1.00 7,695	1.50 92,255	287,831	1.37
Bacterial Blight <i>Xanthomonas malvacearum</i>	-	-	-	-	Tr.	Tr.	-	-	Tr.	0	0.50 1,154	0	-	1.00 61,503	62,657	0.11
Phytophthora Root Rot <i>P. omnivorum</i>	-	4.50 45,839	-	-	-	Tr.	-	-	Tr.	0	-	0	-	3.50 215,262	261,100	0.57
Seedling Diseases <i>Rhizoctonia solani, Pythium spp., Fusarium spp., etc.</i>	9.00 57,398	1.50 15,280	4.00 77,633	1.50 35,032	3.00 72,781	4.00 43,678	3.50 69,213	2.50 13,713	0.50 529	4.00 35,367	1.00 2,309	3.50 15,819	9.50 73,102	2.00 123,007	634,861	3.54
Ascochyta Blight <i>A. gossypii</i>	3.00 19,133	-	-	-	1.00 24,260	Tr.	Tr.	2.00 10,970	-	0	0.50 1,154	Tr.	0.02 154	0.10 6,150	4,416	0.47
Boll Rots	1.00 6,378	0.50 5,093	3.00 58,225	Tr.	2.50 60,651	2.00 21,839	3.00 59,326	0.10 549	1.00 1,057	5.00 44,209	0.10 231	0.50 2,260	3.00 23,085	0.40 24,601	307,503	1.58
Nematode Spp.	8.00 51,020	5.00 50,932	4.50 87,337	1.20 28,025	7.00 169,822	6.00 65,517	4.00 79,101	0.50 2,742	4.50 4,759	0.50 4,421	0.50 1,154	7.00 31,638	0.20 1,539	3.00 184,510	762,520	3.71
Leaf Spots and Others***	0.50 3,189	4.00 40,745	-	Tr.	1.00 24,260	Tr.	Tr.	-	2.00 2,115	0	0.10 231	0.50 2,260	0.50 3,848	0.40 24,601	101,249	0.64
TOTAL PERCENT	21.60	19.50	15.50	5.80	15.50	13.00	11.00	5.20	13.00	9.52	4.70	11.50	14.23	12.20		12.30
BALES LOST	137,755	198,634	260,465	135,456	376,036	141,954	217,528	28,523	13,747	84,173	10,850	51,977	109,500	750,342	2,557,304	
YIELDS IN BALES****	637,755	1,018,634	1,940,828	2,335,456	2,426,036	1,091,954	1,977,528	548,523	105,747	884,173	230,850	451,977	769,500	6,150,342	20,569,304	

*Cotton disease loss estimates were made by extension and research plant 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.