Table 9. **1998 SOUTHERN REGIONAL PERFORMANCE NURSERY - LEAF RUST**

R.M. Hunger, J. Verchot, W.C. Siegerist, & L. Myers
Oklahoma State University, Stillwater, OK

		Seedling leaf rust reaction[Y]			Field leaf rust reaction[Z]
Entry/seln. number		rep 1	rep 2	rep 3	(1-9)
01	CI1442	S	MS	S	6.3
02	CI13996	S	S	S	6.7
03	PI495594	S	S	S	8.0
04	OK94P549	S	MR	MS	1.7
05	OK95548	R	R	MR	1.7
06	OK95571	MR	S	S	4.0
07	OK95593	S	S	S	3.3
08	OK95G701	S	MS	S	7.3
09	TX91D6825	MS	S	S	1.3
10	TX91D6856	R	Seg-R	Seg-R	1.0
11	TX94V2327	MS	MS	MS	4.0
12	TX95V4926	S	S	S	6.7
13	TX95V4933	S	S	S	6.0
14	TX95V5332	S	MS	MS	7.0
15	TX94V2130	S	S	S	8.3
16	CO940700	S	S	S	8.0
17	KS95HW62-6	MR	MR	R	4.3
18	KS95H167-3	Seg-MR	MR	MR	3.3
19	KS95H176-1	MS	MR	MS	4.7
20	KS90175-3	R	MR	MR	1.3
21	KS89180B-2-1	R	MR	MR	1.0
22	KS97P0630-4-5	MS	MS	MS	2.7
23	KS97W0935-29-15	S	S	S	2.0
24	KS91W009-6-1	R	MR	MR	1.7
25	N95L158	S	S	S	3.7
26	NE93496	Seg-S	MR	MR	4.7
27	NE94632	S	S	S	1.3
28	W95-210	S	S	S	2.0
29	W95-188	R	R	R	1.0
30	W94-244-132	MS	MR	MS	1.0
31	W95-301	MS	S	S	1.0
32	W95-221	S	S	S	2.0
33	WX94-3504	R	R	R	5.3
34	XH1881	Seg-MR	Seg-MR	Seg-MR	3.7
35	XH1875	Seg-R	MR	MS	5.0
36	XH1872	R	MR	Seg-R	6.3
37	T99	S	S	S	7.0
38	T100	S	S	S	8.0
39	T101	S	S	S	7.0
40	T102	S	S	S	8.3
41	G14264	S	S	S	9.0
42	G15048	S	S	S	8.3
43	G15011	S	S	S	8.7
44	G15458	S	S	S	4.7
45	G15111	MS	MS	S	1.7

[Y]Leaf rust reaction was determined on seedlings inoculated with a mixture of *Puccinia recondita* f. sp. *tritici* races with the avirulence/virulence formula of: 9 17 19 26 SXL / 1 2a 2c 3 3ka 11 16 24 30 DNE CTY. Reactions were rated using Stakeman's system (USDA Bull. #E617, 1962, 53 pp) and translated as follows:

S=susceptible MS=moderately susceptible MR=moderately resistant
R=resistant Seg=segregating ('R' or 'S' etc indicates the reaction type of most seedlings.

[Z]Values are the average of three replications read at Stillwater, OK, on 14 May 98, where 1-3, 4-6, and 7-9 are levels within the categories, "leaf rust-resistant," "leaf rust-intermediate," and "leaf-rust-susceptible."