

Table 33. Aluminum tolerance of entries in the 1995 Northern Regional Performance Nursery based on hematoxylin staining of seedling roots. Data provided by B.F. Carver, Oklahoma State University, Stillwater, OK.

C.I. OR SEL. NO.	ENTRY: NO.	Stain intensity Al Concentration (mM)			Rating
		0.18	0.36	0.72	
KHARKOF	1	C	C	C	VS
ROUGH RIDER	2	C	C	C	VS
ABILENE	3	P	P	C	I
SD89119	4	P	C	C	MS
SD89153	5	C	C	C	VS
SD89180	6	C	C	C	VS
SD89186	7	C	C	C	VS
SD89205	8	N	N	P	T
ND8974	9	N/C	N/C	P/C	VS-T
ND9043	10	C	C	C	VS
ND9064	11	C	C	C	VS
ND9257	12	P	C	C	MS
ND9272	13	N	P-	P+	T
ND9274	14	N	N	P	T
NE91631	15	P-	P+	C	I
NE91648	16	P	C	C	MS
NE90479	17	P+	C	C	MS
NE92522	18	P+	C	C	MS
NE92628	19	P+	C	C	MS
NE92662	20	P	C	C	MS
XH1752	21	N	P-	C	I
XNH1773	22	N/P-	P-	P+/C	I-T
XNH1798	23	C	C	C	VS
XNH1799	24	-	-	-	-
XNH1802	25	N	P-	C	I
XH1689A	26	P-	P	C	I
MT88046	27	C	C	C	VS
MTSF2238	28	C	C	C	VS
W259	29	C	C	C	VS
AMN4LV	30	N	N/P-	P/P+	T

C, P, and N = complete, partial, and no staining of root tips, respectively; P- and P+ indicate light and dark intensity, resp.

VS=very susceptible, MS=moderately susceptible, I=intermediate, and T=tolerant (0.72 mM Al); *=heterogeneous response with predominant stain intensity listed first.