

1993
Soilborne Mosaic Nursery

Entry No.	Variety or Pedigree	Sel. No.	Source	: Urbana, IL		: Manhattan, KS	
				: Rep 1	: Rep 2	: Rep 1	: Rep 2
				0-9			
1	Larned	CI17650	Check	7	8	4	3
2	Centura//Sage/Arthur	NE87522	Nebraska	8	8	3	3
3	Newton/Wrr*5//Agent/3/NE89441	NE87612	"	7	8	3	seg
4	Ram/Brule 83 composite	NE90411	"	3	5	1	3
5	Bennett/Brule 83 composite	NE90476	"	7	8	4	3
6	Brule seln. #5//Siouxland/Ram	NE90509	"	6	8	1	1
7	Arapahoe/Colt 83 composite	NE90616	"	6	7	3	4
8	Sxld/Arkan/5/Bez1/Ctk78//Arthur/Sxld/3/ CO725082*2/Rrr/4/Dawn	NE89671	"	7	7	3seg	4
9	TX79A2729//Caldwell/Brule seln/3/Sxld	NE90626	"	7	8	4	4
10	Mustang	PI477286	Check	8	9	4	3
11	TAM-108/Arapahoe	NE91515	Nebraska	7	7	4	4
12	Aiv/Nbr/Bolal//HiPlains/3/Lov 6/4/Redland	NE91525	"	7	7	4	2
13	NE82533/Siouxland	NE91527	"	4	6	3	2
14	NE82533/Arapahoe	NE91542	"	6	6	2	2
15	NE83688/Redland	NE91555	"	7	7	4	4
16	Brule 84-11/Bighorn	NE91562	"	8	7	4	4
17	"	NE91564	"	7	8	4	4
18	"	NE91569	"	8	9	4	4
19	"	NE91571	"	7	8	3	4
20	Karl	PI527480	Check	2	6	2	1
21	Arapahoe/TAM-107	NE91608	Nebraska	3	5	3	3
22	NE82761/Brule 84	NE91629	"	6	7	2	4
23	"	NE91631	"	7	7	2	4
24	NE82761/Stephens	NE91633	"	7	8	3	4
25	NE82761/NE82599	NE91635	"	7	7	4	4
26	NE82671/NE80413	NE91647	"	7	7	4	4
27	"	NE91648	"	7	8	4	4
28	"	NE91651	"	8	8	4	4
29	Bulk selection (N90L158)	NE91691	"	3	6	3seg	2
30	Larned	CI17650	Check	7	7	4	4
31	Nebr. dwarf/Brule seln. #1//Cody	NE91467	Nebraska	7	8	4	3
32	Arapahoe/NE82761	NE91509	"	7	7	4	3
33	NE82702 purple/TAM-108	NE91518	"	3	6	4	3
34	Unknown	VBF0168	"	7	8	2	1
35	Unknown	HBC208	"	5	6	3	1
36	Unknown	HBFO263	"	6	6	1	1
37	Unknown	HBFO337	"	4	7	2	1
38	Unknown	VBF0589	"	6	7	1	1
39	F29-76/TAM-105//Csm	OK88767-2	Oklahoma	3	6	1	2
40	Mustang	PI477286	Check	8	9	4	4
41	F29-76/TAM-105//Csm	OK88767-3	Oklahoma	2	5	1	2
42	"	OK88767-4	"	4	5	2	2
43	"	OK88767-5	"	6	6	3	4
44	"	OK88767-6	"	7	8	3	4
45	"	OK88767-8	"	7	7	4	3

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			 0-9	
46	"	OK88767-9	"	7	4
47	"	OK88767-10	"	7	3
48	"	OK88767-11	"	7	3
49	"	OK88767-12	"	8	4
50	Karl	PI527480	Check	1	1
51	"	OK88767-14	Oklahoma	8	1
52	"	OK88767-15	"	3	1
53	"	OK88767-16	"	7	2
54	"	OK88767-17	"	7	3
55	"	OK88767-20	"	2	3
56	"	OK88767-21	"	8	2
57	"	OK88767-22	"	7	3
58	"	OK88767-24	"	7	4
59	"	OK88767-29	"	3	2
60	Larned	CI17650	Check	7	4
61	"	OK88767-30	Oklahoma	4	2
62	F29-76/TAM-105//Csm	OK88767	"	6	4
63	OK82374/OK82407 (88HCY1)	OK91788	"	4	1
64	Auburn/2157//2165	OK91P633	"	3	3
65	IL71-5662/PL145//2165	HBZ374C	"	2	1
66	W9414/Caldwell//W6430/2157	HBB364B	"	2	3
67	Ogosta/Csm//TAM-107	OK90604	"	5	2
68	Csm/OK79256	OK90649	"	3	3
69	2163/W9523A	HBE0780B	"	2	3
70	Mustang	PI477286	Check	7	4
71	Yantar/TAM-101//Mustang	OK91783	Oklahoma	7	2
72	W1404/TX79A2729	OK91P609	"	4	2
73	2555 Sib/Vona//2180	OK91P648	"	7	1
74	Yantar/2*Csm	OK91724	"	7	4
75	2163/PL145//2163 sib	OK91P603	"	7	3
76	2163/W9523A	OK91P605	"	7	3
77	W9488A/2163	OK91P608	"	2	2
78	TAM-200//Sx1/Tan 's'	TX90D9277	Texas	7	4
79	TAM-105/10334	TX89A7137	"	7	3
80	Karl	PI527480	Check	3	1
81	TAM-200//TX38949-2/TAM-107	TX91V4931	Texas	7	4
82	TX81V6603/TX78A3345-V34	TX90V8410	"	9	4
83	TX78V2430-2/TX86V1540	TX90V7911	"	8	3
84	TX86V1540//Lind/Tan	TX91V5739	"	9	3
85	TAM-108/Vee's'//TX84V2029	TX91V3308	"	2	1
86	TAM-105/10334	TX89A7141	"	8	4
87	Lov 13/2*Ctk78//TAM-105	C0880054	Colorado	6	2
88	TAM-107/Hall	C0880169	"	8	4
89	TAM-107/TX3006	C0880210	"	7	2
90	Larned	CI17650	Check	7	4

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				: Rep 1	: Rep 2	: Rep 1	: Rep 2
			 0-9			
91	Colt/TX3006	CO880240	Colorado	7	7	3	4
92	KS82W418/Stephens	KS84063-9-7	Kansas	6	5	2	1
93	WX11088/2165//W8447	KS92P059E	"	0	4	3	2
94	W2440/W9488A//2163	KS92P0263-137	"	1	7	3	1
95	WX12907/T-108//W2440	KS92P0363-134	"	4	7	1	1
96	W8447D/W2436//W3420	KS92P0425-155	"	1	2	1	1
97	KS83H2510/Brule composite	NE90479	Nebraska	5	7	4	4
98	Brule seln/4/Bez 1/3/Ctk//Arthur/Ctk78	NE90524	"	8	8	4	4
99	Rodeo/Brule seln//Arapahoe	NE90574	"	7	7	4	3
100	Mustang	PI477286	Check	9	8	4	4
101	Quantum Hybrid Wheat	XH1455	HybriTech	4	6	2	1
102	"	XH1485	"	6	6	1	1
103	"	XH1520	"	6	2	1	1
104	"	XH1529	"	6	5	1	1
105	"	XH1610	"	5	4	1	2
106	W81-133/Thunderbird	W87-017-44	Agripro	5	7	1	2
107	TX81V6187/Abilene	WI89-055	"	7	8	3seg	4
108	T14//Brule/TAM-108	T4731	Trio	5	7	1	2
109	Coker 68-151/TAM-107	T70	"	6	6	1	1
110	Osage/TAM-105	T64	"	7	7	4	4
111	HRW Hybrid	TH905	"	5	6	1	1
112	Karl	PI527480	Check	4	6	2	1

1993 Soilborne Mosaic Virus Nursery
Data provided by R. M. Hunger and J. L. Sherwood
Oklahoma State University

Entry No.	Sel. No.	Visual (0-3)			ELISA		
		Rep 1	Rep 2	Rep 3	Rep 1	Rep 2	Rep 3
1	CI17650	3	3	3	1.035	1.358	1.007
2	NE87522	3	3	3	1.075	1.385	0.932
3	NE87612	3	2	3	1.071	1.251	1.292
4	NE90411	0	0	0	0.061	0.013	0.058
5	NE90476	2	2	3	1.108	1.282	1.110
6	NE90509	2	3	3	1.237	1.265	0.911
7	NE90616	2	3	3	1.078	1.310	1.057
8	NE89671	2	2	3	0.977	0.859	1.323
9	NE90626	2	3	3	0.968	1.265	0.983
10	PI477286	1	3	3	0.001	0.005	0.044
11	NE91515	2	3	3	0.925	1.109	1.105
12	NE91525	3	3	3	0.988	1.069	1.081
13	NE91527	0	1	2	0.014	1.109	0.033
14	NE91542	1	2	2	1.048	0.005	0.015
15	NE91555	3	3	3	1.002	1.275	0.775
16	NE91562	3	3	3	1.012	1.130	1.051
17	NE91564	3	3	3	0.992	1.253	1.260
18	NE91569	3	3	3	1.016	1.413	1.029
19	NE91571	3	3	3	1.027	1.403	1.123
20	PI527480	0	0	0	0.013	0.054	0.011
21	NE91608	1	0	1	0.005	0.003	0.014
22	NE91629	2	2	2	1.093	1.313	0.419
23	NE91631	3	3	3	1.099	1.247	0.995
24	NE91633	3	3	2	0.982	1.440	0.799
25	NE91635	3	3	2	1.051	1.270	1.137
26	NE91647	3	2	2	1.065	1.094	0.509
27	NE91648	2	2	2	1.047	1.381	0.869
28	NE91651	3	3	2	0.995	1.326	0.659
29	NE91691	1	1	2	0.175	0.025	0.419
30	CI17650	3	3	3	0.946	1.368	1.188
31	NE91467	2	2	2	0.941	1.074	0.424
32	NE91509	2	2	3	0.944	1.177	0.815
33	NE91518	0	1	2	0.014	0.818	0.514
34	VBF0168	0	0	1	0.011	0.008	0.280
35	HBC208	1	1	2	0.914	0.008	0.006
36	HBFO263	1	1	1	0.015	0.011	0.005
37	HBFO377	0	0	0	0.003	0.052	0.019
38	VBF0589	0	0	0	0.755	0.009	0.012
39	OK88767-2	0	0	0	0.004	0.004	0.006
40	PI477286	2	1	3	0.007	0.009	0.041
41	OK88767-3	1	1	1	0.005	0.012	0.006
42	OK88767-4	0	0	1	0.009	0.005	0.335
43	OK88767-5	1	0	1	0.011	0.007	0.002
44	OK88767-6	2	1	3	1.143	1.303	0.525
45	OK88767-8	2	1	3	1.074	1.278	0.735
46	OK88767-9	2	2	3	1.056	0.374	0.535
47	OK88767-10	2	2	3	0.904	1.774	1.257
48	OK88767-11	2	2	2	0.723	1.380	0.934
49	OK88767-12	3	2	3	0.877	1.323	0.740
50	PI527480	1	0	0	0.008	0.039	0.015
51	OK88767-14	0	0	0	1.043	0.013	0.004
52	OK88767-15	0	0	0	0.001	0.016	0.013
53	OK88767-16	2	3	3	0.965	1.419	0.713
54	OK88767-17	3	3	3	1.004	1.141	0.462
55	OK88767-20	0	0	0	0.023	0.072	0.011

1993 SBMV Nursery

Entry No.	Sel. No.	Visual (0-3)			ELISA		
		Rep 1	Rep 2	Rep 3	Rep 1	Rep 2	Rep 3
56	OK88767-21	3	3	2	1.088	1.083	0.706
57	OK88767-22	1	1	0	1.045	1.025	0.902
58	OK88767-24	3	2	3	1.034	1.318	1.024
59	OK88767-29	0	1	1	0.099	0.024	0.018
60	CI17650	3	3	3	1.129	1.222	1.409
61	OK88767-30	0	0	0	0.019	0.022	0.028
62	OK88767	1	0	0	1.105	0.014	0.253
63	OK91788	1	1	0	0.014	0.014	0.022
64	OK91P633	S	1	0	1.075	0.363	0.002
65	HBZ374C	0	0	1	0.004	0.229	0.008
66	HBB364B	0	1	1	0.005	0.015	0.015
67	OK90604	1	2	1	1.088	0.964	0.851
68	OK90649	2	2	2	1.163	0.828	0.939
69	HBE0780B	0	0	0	0.491	0.017	0.528
70	PI477286	1	1	2	0.001	0.011	0.224
71	OK91783	1	1	1	0.935	0.014	0.990
72	OK91P609	0	1	2	0.005	0.494	0.581
73	OK91P648	0	0	S	0.516	0.022	0.014
74	OK91724	3	2	3	0.904	1.252	0.716
75	OK91P603	2	2	0	0.012	0.764	0.775
76	OK91P605	1	2	0	0.001	0.010	0.002
77	OK91P608	0	0	0	0.005	0.010	0.006
78	TX90D9277	3	3	3	0.975	1.241	0.672
79	TX89A7137	2	3	3	1.115	1.393	0.790
80	PI527480	0	0	0	0.007	0.017	0.011
81	TX91V4931	3	3	2	1.061	0.884	0.683
82	TX90V8410	3	3	3	0.987	1.331	1.484
83	TX90V7911	2	3	3	1.134	0.855	0.943
84	TX91V5739	3	3	3	1.092	1.157	0.788
85	TX91V3308	0	0	0	1.045	0.027	0.019
86	TX89A7141	3	3	1	1.118	1.126	1.457
87	CO880054	1	1	0	0.712	0.002	0.009
88	CO880169	3	3	3	1.020	1.276	0.881
89	CO880210	3	2	1	1.196	1.653	0.391
90	CI17650	3	3	3	1.210	1.406	1.353
91	CO880240	2	2	2	1.194	1.387	1.046
92	KS84063-9-7	1	1	1	1.206	0.921	0.040
93	KS92P059E	1	1	1	0.009	0.008	0.004
94	KS92P0263-137	1	2	2	0.010	0.006	0.008
95	KS92P0363-134	2	1	2	1.450	0.821	0.492
96	KS92P0425-155	1	0	0	0.026	0.015	0.009
97	NE90479	2	S	2	0.009	0.008	0.011
98	NE90524	3	2	3	1.047	1.019	1.269
99	NE90574	2	0	2	1.264	0.818	1.289
100	PI477286	1	2	2	1.111	0.010	0.027
101	XH1455	0	0	0	0.004	0.010	0.435
102	XH1485	0	0	0	0.011	0.004	0.003
103	XH1520	0	0	0	0.336	0.010	0.115
104	XH1529	1	S	0	0.899	0.960	1.157
105	XH1610	1	S	0	0.880	1.127	0.027
106	W87-017-44	1	0	0	1.073	0.005	0.003
107	WI89-055	2	3	2	1.165	1.198	0.977
108	T4731	1	0	0	0.393	0.005	0.706
109	T70	1	1	1	0.013	0.007	0.019
110	T64	3	3	3	1.140	1.182	1.053
111	TH905	1	0	0	0.015	0.010	0.021
112	PI527480	0	0	0	0.012	0.006	0.012