

Summary of agronomic data and mean yields (kg/ha) for entries in the 1991 Pioneer Observation Nursery (PON) grown at 7 locations.
Coordinated by R. G. Sears and T. J. Martin, Kansas State University.

VARIETY OR PEDIGREE	C.I. OR SEL. NO.	ENTRY: NO.	VERNON, TX TEST WT. KG/HL	KANSAS MEAN TEST WT. KG/HL	BERTHOUD, CO PLANT HT. CM	STEM RUST QCC 0-5 : 0-9	6 SITE YIELD AVERAGE
W8447D*W2436/W3420)	HBFO425	306	76.2	71.3	100	0 0	4371 1
YW191 PAR*SIouxLAND/TAM105)	VBE017	72	79.6	75.5	86	0 0	4361 2
W8447D*W2436/W3420)	HBFO425	212	78	.	79	0 0	4344 3
W8447D*SIouxLAND/W3419)	HBFO429	308	78.2	72.9	86	0 0	4315 4
W2439*2172/W0402A)	HBFO248	296	77.8	73.9	85	0 0	4290 5
W2440*W9488A/2163)	HBFO263	161	78	74.2	87	0 0	4289 6
W2439/2163)	HBE0771	112	77.8	70.6	80	0 0	4283 7
COK797*TAM108/2180)	VBF0544	257	78.3	73.3	78	4 8	4267 8
2172*2163/W9419B)	HBFO276	297	77.3	70.8	86	0 0	4248 9
WX12907*TAM108/W2440)	HBE0363	96	77.7	73	88	0 0	4244 10
W2439*2172/W3417)	HBFO247	292	78.2	74.5	88	0 0	4241 11
W9523A*2154/W3417)	HBFO340	201	80.4	.	75	0 0	4231 12
W9471A*W9523A/W3415)	HBFO290	169	79.9	74.5	91	0 0	4221 13
W9488A*2163/2180)	HBFO337	197	79.5	.	78	0 8	4212 14
2163/W9523A)	HBE0780	280	77.7	75.1	80	0 0	4194 15
OK754615*WWP4394 (AUS) /TAM108*2165)	HBC727	69	81.4	75.3	82	0 0	4193 16
WX11731*2163/W9523A)	HBFO435	216	77.5	.	81	0 0	4191 17
SIouxLAND*W2421/PONY)	VBE0186	236	77.9	.	86	0 0	4186 18
WX12907*TAM108/W2440)	HBE0363	97	78.4	72.5	88	0 0	4177 19
COK797*TAM108/2180)	VBF0544	256	76.9	70.7	80	3 0	4171 20
W2439/2163)	HBE0771	111	78.3	74.5	74	2 8	4164 21
2555 SIS*VONA/2180)	VBF0589	270	80.6	72.8	84	0 0	4153 22
W9488A*2163/2180)	HBFO337	196	77.8	.	78	0 0	4149 23
W0543*SIouxLAND/W0402A)	HBFO432	312	76.5	72.1	86	0 0	4148 24
2163*W9523A/W3445)	HBFO441	314	75.6	73.3	96	0 0	4146 25
W8447D*W2436/W3420)	HBFO425	307	76.2	69.8	85	0 0	4145 26
WX12846*TX71A889/W0402A)	HBFO408	211	78.8	.	87	1 8	4142 27
W9476C*2163/W9523A)	HBFO302	173	79.5	73.8	78	0 8	4138 28
W2439*W9523A/W0402A)	HBFO246	156	80.2	75.8	87	0 0	4136 29
WX11088*2165/W8447)	HBC059E	77	78	71.1	90	0 0	4134 30
W2439*W9523A/W0402A)	HBFO246	157	79.2	74.4	81	0 0	4129 32
2555 SIS*VONA/2180)	VBF0589	264	77.1	74.3	80	0 0	4129 31
W9476C*2163/W9523A)	HBFO302	178	77.8	73.6	87	0 0	4126 33
W9523A*SIouxLAND/W3415)	HBFO345	202	79.3	.	87	0 0	4119 34
2154*HAWK/W0423A)	HBFO361	209	81.3	.	73	0 8	4114 35
W9476C*2163/W0541A)	HBFO303	184	74.6	70.9	87	0 0	4112 36
W9476C/2163)	HBE0779	116	78.7	73.7	84	0 0	4111 37
W9523A*W2413/2180)	HBFO350	204	80.1	.	82	0 0	4109 38
W9476C*2163/W0541A)	HBFO303	298	74.6	68.8	88	0 0	4108 39
SIouxLAND/XW171)	VBF1100	319	80.5	76.2	92	0 0	4067 40
W2439/2163)	HBE0771	113	75.7	69.4	70	0 0	4066 42
16TH IBWSN#21*W2413/W3415)	HBFO611	232	75.1	.	85	0 0	4066 41
W2439*WINGS/2180)	HBFO255	160	77.4	71.8	79	0 0	4065 43
2172/2163)	HBE0773	273	77.1	72.2	76	0 0	4058 44
W2413*2172/2157)	HBFO096	133	74.4	72.5	91	0 0	4055 45

Agronomic summary of the 1991 Pioneer Observation Nursery, Continued.

VARIETY OR PEDIGREE	C.I. OR SEL. NO.	ENTRY: NO.	VERNON, TX TEST WT. KG/HL	KANSAS MEAN TEST WT. KG/HL	BERTHOUD, CO PLANT HT. CM	STEM RUST QCC 0-5 0-9	6 SITE YIELD AVERAGE
W9471A*W9523A/W3415)	HBFO290	170	80	76.2	82	0 0	4055 46
W2407*W2434/W2439)	HBE0321	92	80	75.2	94	0 0	4048 47
W2439/2163)	HBE0771	109	77.4	73.4	82	0 0	4047 48
2555 SIS*VONA/2180)	VBFO589	268	78.4	74.2	86	1 8	4046 49
W2415*W2439/2180)	HBFO140	289	81.9	70.7	82	0 0	4045 50
W2439*2172/W0402A)	HBFO248	294	74.6	73.4	88	0 0	4042 51
PAM'S'-ALD'S'*NE77465/2157)	HBFO539	222	77.5	.	81	0 0	4041 52
2555 SIS*VONA/2180)	VBFO589	269	77.8	73.2	86	0 0	4037 53
W2414*W8447D/W3417)	HBFO114	136	78.8	73.6	84	3 8	4034 54
W8447D*W2436/W3420)	HBFO425	213	76.6	.	75	0 8	4033 55
W9471A*W9523A/W3415)	HBFO290	171	78.8	75.5	84	0 0	4030 56
2172/2163)	HBE0773	276	76.8	70.1	82	0 0	4030 57
W2415*TAM108/W0402A)	HBFO139	288	77.8	74	92	0 0	4019 58
OK754615*WWP4394 (AUS) /TAM108*2165)	HBC727	68	80.6	75	82	0 0	4012 59
W9476C*2163/W0541A)	HBFO303	188	78.9	.	75	0 0	4009 60
2163*W9523A/W3445)	HBFO441	316	78.8	73.1	92	0 0	4002 61
2551*W9476C/W3445)	HBFO588	229	73.3	.	86	0 0	3996 62
W3438*TAM107/2165)	VBGO339	64	80.4	76.1	90	0 8	3995 63
HBV411A*W3459/W0487D)	VBFO015	240	78.8	.	81	0 0	3993 64
2172*2163/W9419B)	HBFO276	163	76.9	71.2	87	0 0	3988 66
W0543*SILOUXLAND/W0402A)	HBFO432	214	78	.	78	0 0	3988 65
W9488A/2163)	HBE0894	124	78	73.9	69	0 0	3978 67
W2415*TAM108/W0402A)	HBFO139	286	77.4	72.9	94	0 0	3975 68
HBZ224A*VONA/2180)	VBFO077	243	80.4	.	89	0 0	3973 69
WVA016*2157 PAR/HGC040)	HBE0242	88	79.7	72.8	86	0 0	3969 70
W2439*2172/W0402A)	HBFO248	293	78.2	74.2	91	0 0	3965 71
W0543*SILOUXLAND/W0402A)	HBFO432	311	75.6	71	82	0 0	3964 72
W9476C*2163/W9523A)	HBFO302	177	75.5	72	87	0 0	3963 73
W1404/TX79A2729)	HCC0076	233	80.5	.	88	0 0	3962 75
2163/W9523A)	HBE0780	279	77.7	72.2	86	0 0	3962 74
2163/W9523A)	HBE0780	120	77.9	71.6	86	0 0	3961 76
2163*W9523A/W3445)	HBFO441	218	76	.	85	0 0	3961 77
W9523A*SILOUXLAND/W3415)	HBFO345	304	78.2	72.7	87	0 0	3958 78
HRE LT-11 (OR)*HOMESTEAD/W8447)	HBE0726	106	79.3	69.4	80	0 0	3956 80
2551*W9476C/W3445)	HBFO588	228	78.6	.	83	0 0	3956 79
HRE LT-11 (OR)*HOMESTEAD/W8447)	HBE0726	104	77.5	71.3	95	0 0	3955 81
W2440*W2410/2165)	VBFO223	252	79.5	76.3	81	0 8	3952 82
COK797*TAM108/2180)	VBFO544	259	77.5	72	74	3 8	3950 83
W8427*2157 SIB/W2440)	HBE0249	89	79.6	69	89	0 0	3947 84
2163/W9523A)	HBE0780	278	78.2	71.8	78	0 0	3944 85
W2439*2172/SILOUXLAND)	HBFO250	159	75.2	71.2	82	0 0	3943 87
TAM107*2555 SIS/2180)	VBFO586	262	80.4	73.4	82	2 8	3943 86
W2415*W2439/2180)	HBFO140	141	80.5	75.9	81	0 0	3941 88
W2439*TAM108/W9419B)	HBFO241	153	76.4	69.4	82	0 0	3930 89
2555 SIS*VONA/2180)	VBFO589	263	78.4	75.7	81	1 6	3926 90

Agronomic summary of the 1991 Pioneer Observation Nursery, Continued.

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COK797*TAM108/2180)	VBF0544	260	76.4	71	87	3 8	3924 91
BRULE*W1406/SIOUXLAND)	HBE0127	318	77	69.9	90	0 0	3921 92
W0516*ARKAN/W0541A)	HBFO438	217	78	.	78	0 0	3920 93
W9519*ROCKY/2163 PAR)X1XXX5XX)	HBC224	81	77.8	73	98	0 0	3917 94
W0543*SIOUXLAND/W0402A)	HBFO432	313	74.6	68.8	82	0 0	3916 95
W9500A/HGC040)	HCC288	317	79.2	73.2	88	0 0	3914 96
W9476C*2163/W9523A)	HBFO302	172	78.6	74.3	74	0 0	3911 97
W1406*2369/TAM105)	HBC757	9	79.6	73.1	96	0 0	3907 98
VONA*W4068/W443)	HBV880	71	80.1	75.6	82	0 0	3907 99
W9476C*2163/W0541A)	HBFO303	299	74.8	69.9	78	0 0	3901 100
W9518*W2439/ARKAN)	HBE0415	102	76	72.2	80	0 0	3898 101
2172*2163/W9419B)	HBFO276	166	77	71.2	80	0 0	3892 103
2154*ARKAN/W9523A)	HBFO357	208	77.1	.	88	0 0	3892 102
W2414*W8447D/W3417)	HBFO114	284	78.6	71.9	101	0 0	3881 104
W2435*W2439/W0541A)	HBFO214	149	78.2	70	82	0 0	3880 105
W1407*W9523A/2163)	HBFO053	129	75.2	72.8	80	0 0	3879 106
W9476C*2163/W9523A)	HBFO302	174	77.5	69.6	89	2 8	3877 107
2163 PAR*PL145/W9503)	HBC208	80	76.4	71.8	86	2 8	3874 108
W9476C*2163/W0541A)	HBFO303	302	72.5	69.1	87	0 0	3872 109
W9476C*2163/W0541A)	HBFO303	183	74.7	70	87	0 0	3866 110
W0010E*16TH IBWSN#21/2172*SXLD)	HBFO551	223	77.4	.	73	0 0	3865 111
W9523A*W2413/2180)	HBFO350	203	78.4	.	78	0 0	3863 112
W2439/2163)	HBE0771	272	77.5	73.4	84	0 0	3863 113
W9476C*2163/W0541A)	HBFO303	300	75.1	69.7	86	0 0	3858 114
W2415*ARKAN/W3415)	HBFO133	138	77.1	74.8	85	0 0	3854 115
W2439/2163)	HBE0771	108	79.6	75.4	75	0 0	3853 117
W9476C*2163/W0541A)	HBFO303	190	75.9	.	79	0 0	3853 116
W9487A*NE77465/2172)	HBFO325	192	75.3	.	86	0 0	3853 117
W2430*W9523A/W3417)	HBFO209	148	78.7	69.5	82	0 0	3851 119
FL302*SIOUXLAND/W3415)	HBFO576	227	77.5	.	84	0 0	3851 120
W2436*2172/W3415)	HBFO220	152	80.9	71.4	90	0 0	3850 121
W2415*TAM108/W3417)	HBFO137	140	78.9	73.7	88	0 0	3849 122
W9476C*2163/W9523A)	HBFO302	176	76.5	69.5	85	0 0	3847 123
COK797*TAM108/2180)	VBF0544	258	77	70.5	82	3 8	3845 124
W0543*SIOUXLAND/W3445)	HBFO431	309	78.6	75.7	86	0 0	3845 125
2163/W9523A)	HBE0780	123	78.8	73.3	72	3 8	3843 126
W9476C/2163)	HBE0779	117	75.5	71.3	80	0 0	3840 127
W2424*SIOUXLAND/2163)	HBFO174	144	75.5	71.6	82	0 0	3838 128
HBZ419A*W3459/W9523A)	VBF0147	33	79.6	72.4	92	0 0	3835 129
W2440*W2410/2165)	VBF0223	253	79.2	76.2	88	0 8	3835 130
W2414/2163)	HBE1066	126	76.1	70.3	78	0 0	3831 131
2163/W9523A)	HBE0780	119	77.1	69.7	78	0 0	3829 132
W9485*WX9280/W8447)	HBE0379	100	76.8	72.9	88	0 0	3827 134
2555 SIS*VONA/2180)	VBF0589	266	74.4	67	71	0 0	3827 133
2157*TX79A2729/2165)	VBE0043	234	78.2	.	79	0 0	3826 135

Agronomic summary of the 1991 Pioneer Observation Nursery, Continued.

VARIETY OR PEDIGREE	: C.I. OR : SEL. NO.	: ENTRY: : NO.	: VERNON, TX : TEST WT. : KG/HL	: KANSAS MEAN : TEST WT. : KG/HL	: BERTHOUD, CO: : PLANT HT. : CM	: STEM RUST		: 6 SITE : YIELD : AVERAGE	
						: QCC	: QCC		
						: 0-5	: 0-9		
WX12907*TAM108/W2440)	HBE0363	99	79.6	71.1	87	0	0	3823	136
W9476C*2163/W0541A)	HBF0303	189	74.9	.	72	0	0	3823	137
2154*ARKAN/W9523A)	HBF0357	207	78.3	.	88	0	0	3819	138
W2415*ARKAN/W3415)	HBF0133	139	78.7	76	96	0	0	3817	139
2172*2163/W9419B)	HBF0276	164	75.1	68.8	84	0	0	3816	140
W0405D*ARKAN/ARKAN)	VBG0048	60	75.9	74.9	90	0	0	3814	141
HGE021 (CINMYT)*NE77465/2172*2163)	HBF0508	220	71	.	79	0	0	3814	142
W9476C*2163/W0541A)	HBF0303	301	73.8	70.8	91	0	0	3811	143
XW171 SIS*2165/2180)	VBFO154	44	78.3	71.2	84	4	8	3803	144
2172*W9523A/W3441)	HBF0278	168	78.3	72.7	80	0	0	3796	145
HBZ222A*W3459/W0487D)	VBFO072	242	80.1	.	87	0	0	3793	146
2163/W9523A)	HBE0780	121	77.5	72.1	77	2	8	3792	147
W9507*W2426/SIOUXLAND)	HBE0402	101	74.9	68.5	97	0	0	3787	148
W9476C*2163/W0541A)	HBF0303	187	74.8	68.6	85	0	0	3785	149
W9523A*2154/W3417)	HBF0340	200	79.3	.	73	0	0	3785	151
PAM'S' -ALD'S'*NE77465/2157)	HBF0539	221	78.2	.	82	0	0	3785	150
2163/W9523A)	HBE0780	281	76	73.1	80	0	0	3779	152
W9476C*2163/W9523A)	HBF0302	180	77.8	73	80	1	8	3770	153
W2413*W2421/ARKAN*SILOUXLAND)	VBEO271	73	79.5	72.8	82	0	0	3769	154
TAM107*2551/2180)	VBFO573	53	76.2	70.7	82	1	8	3765	155
2555 SIS*DOVE'S' /W2440)	HBF0572	226	74	.	84	0	0	3765	156
W1404*AUBURN/HAWK)	HBE0217	87	81.3	75.8	86	0	0	3764	158
2555 SIS*NE77465/2163*W9523A)	HBF0568	224	75.6	.	84	0	0	3764	157
W9476C*2163/W0541A)	HBF0303	182	74.7	69.3	81	0	0	3760	159
2172/2163)	HBE0773	274	77.1	71.9	78	0	0	3758	160
2172/2163)	HBE0773	277	75.5	69.1	82	0	0	3757	161
HBZ321A*SGW054 (ARG) /2180)	VBFO111	32	78.7	77.1	92	0	0	3754	162
W2435*2163/W3441)	HBF0219	290	76.2	70.5	81	0	0	3754	163
NK812*2180/2180)	VBG0110	74	78.8	73.8	70	0	0	3750	164
FILL	KS801072	91	78.6	70.3	89	0	0	3749	167
W2407*W2434/W2439)	HBE0321	93	80	73.9	86	0	0	3749	165
W2415*TAM108/W0402A)	HBF0139	287	78.2	73.9	92	0	0	3749	166
2163/W9523A)	HBE0780	122	78.4	74	74	3	4	3742	168
W2414*W8447D/W3417)	HBF0114	283	79.3	70.9	100	0	0	3742	169
W0543*SILOUXLAND/W3445)	HBF0431	310	76	74.3	82	0	0	3740	170
W9476C/2172)	HBE0778	114	78.4	69.5	86	0	0	3733	171
XW171 SIS*2157/2180)	VBFO151	40	79.1	74.3	94	0	0	3729	172
W2440/W9488A)	HBE0876	282	77.4	71.9	88	0	8	3723	173
W9476C*2163/W0541A)	HBF0303	181	76.4	69.5	87	0	0	3722	174
XW171 SIS*VONA/2180)	VBFO159	250	77.1	75	85	0	0	3720	175
W2439/2163)	HBE0771	271	76.9	73.1	82	0	0	3716	176
W9487A*NE77465/2163)	HBF0327	303	75.7	71	86	0	0	3714	177
HBZ419A*W3459/W9523A)	VBFO147	34	75.1	71.9	94	0	0	3697	178
UKN (ARG)*2157 PAR/2180)	VBFO200	52	79.5	74.9	80	2	8	3692	179
WX12907*TAM108/W2440)	HBE0363	98	78.3	69.6	90	0	0	3691	180

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						QCC	0-9	YIELD	AVERAGE
W2420*W2425/2157)	HBFO146	142	81.3	75.8	74	0	0	3688	182
W2430*2163/W2435)	HBFO204	147	77.9	74.4	76	0	0	3688	181
2553*ROCKY/SIOUXLAND)	HBE0046	86	78.9	76.6	81	0	0	3674	183
2163/W9523A)	HBE0780	118	75.6	67.8	78	0	0	3660	184
W9488A*2163/2180)	HBFO337	198	79.7	.	82	0	0	3654	186
XW171 SIS*VONA/W0487D)	VBF0161	251	77.5	73.4	77	0	8	3654	185
HRE_LT-11(OR)*HOMESTEAD/W8447)	HBE0726	107	79.3	72.5	76	0	0	3644	187
W7431*2165_PAR/2157_PAR*NEWTON)	HBB114	66	81.3	73.7	90	3	8	3643	188
W2439*2172/W3417)	HBFO247	158	76.6	71.7	79	0	0	3636	189
W2413*2172/W9419B)	HBFO097	134	78.6	71.4	82	0	0	3633	190
PI447045*NE78659/W3441)	HBFO471	219	74.3	.	75	0	0	3633	191
W9523A*W2413/2180)	HBFO350	206	78.2	.	75	0	0	3631	192
W2414*2163/W3445)	HBFO116	137	76	70.2	85	0	0	3630	193
OK754615*KAVKAZ 107/TX71A889*2157)	HBC696	4	75.5	74.3	76	0	0	3622	194
XW171 SIS*VONA/2180)	VBF0159	47	79.9	72.9	74	0	8	3622	196
W2435*2163/W3441)	HBFO219	150	77.5	70.7	78	0	0	3622	195
TX78V3630*2165/KS78H3237*OK754615)	HBC652	67	77.1	71.5	86	0	8	3610	197
W2413*W2420/W3423)	HBFO094	132	77.8	71.8	64	2	8	3609	198
XW171 SIS*VONA/2180)	VBF0159	49	78.4	70	78	4	8	3601	199
HBZ321A*TAM105/2180)	VBF0094	28	79.3	72.6	84	0	0	3599	200
W2430*2163/W2435)	HBFO204	146	79.5	74.8	82	0	8	3591	201
UKW(OREGON)*W8476B/W9523A)	HBE0683	103	78.9	73	78	0	0	3574	202
W9476C*2163/W9523A)	HBFO302	179	77.4	73.2	86	0	0	3555	204
W9488A*2163/2180)	HBFO337	194	79.9	.	75	0	0	3555	203
2551*VONA/2180)	VBF0576	56	79.7	71	84	0	8	3550	205
XW171 SIS*2157/2180)	VBF0151	246	78.3	.	89	0	0	3548	206
2172*W9523A/2157)	HBFO277	167	79.7	72.8	79	0	0	3539	207
MCNAIR1003*16TH_IBWSN#21/COLT)	HBFO363	210	79.1	.	76	0	0	3538	208
W9476C*2163/W0541A)	HBFO303	186	74	69.7	80	0	0	3528	209
OK754615*KAVKAZ 107/TX71A889*2157)	HBC696	6	76.8	72.2	70	0	0	3526	210
HBV411A*W8452C/W0487D)	VBF0008	239	74.4	.	82	0	0	3526	211
W2420*2163/W3437)	HBFO157	143	75.5	67.3	74	0	8	3525	212
HBZ221A*PONY/2180)	VBF0046	241	77.1	.	82	0	0	3521	213
W2439*ARCHER/W0402A)	HBFO244	154	77.1	70.3	82	0	0	3509	214
W9487A*NE77465/2163)	HBFO327	193	77.7	.	80	0	8	3505	215
XW171 SIS*NK812/2180)	VBF0168	50	80.4	71.8	82	0	0	3504	216
W2436*2172/W3415)	HBFO220	151	82.2	72.3	89	0	0	3499	217
W2404*W2413/BRULE)	VBE0254	237	77.9	.	83	0	0	3497	218
13981(ARG)/2172)	HBB840	1	77.1	71.9	82	0	0	3492	219
W2407*HGB003/HVC003)	HBE0324	94	77.3	71.5	82	0	0	3487	220
XW171 SIS*2165/2180)	VBF0154	43	76.6	70.8	86	4	8	3474	221
XW171 SIS*VONA/2180)	VBF0159	249	80.4	.	86	0	0	3471	222
W2413*W2440/W3417)	HBFO085	131	80.1	75.1	78	0	8	3470	223
HBZ321A*W3459/2180)	VBF0107	30	76.9	70.8	86	0	8	3464	224
W8427*ROCKY/HAWK)	HBE0007	83	76.1	70.9	79	0	0	3460	225

Agronomic summary of the 1991 Pioneer Observation Nursery, Continued.

VARIETY OR PEDIGREE	C.I. OR SEL. NO.	ENTRY: NO.	: VERNON, TX TEST WT. KG/HL	: KANSAS MEAN TEST WT. KG/HL	: BERTHOUD, CO: PLANT HT. CM	STEM RUST		6 SITE	
						: QCC	: YIELD		
						0-5	0-9	AVERAGE	
2551*VONA/2180)	VBF0576	54	77	68.1	88	0	8	3458	226
OK754615*KAVKAZ 107/TX71A889*2157)	HBC696	7	76	72.7	74	0	0	3452	227
W1406*2369/TAM105)	HBC757	10	79.2	72.8	92	0	0	3451	228
WX12833)X3X1X*2157/W8447)	HBC090	78	78.9	71.9	77	0	8	3444	229
HBZ321A*SGW054(ARG)/2180)	VBF0111	31	81.5	77	90	0	0	3440	230
2553*SBT477/W6430C*NK835)	HBC804	13	79.1	71.9	76	0	8	3436	231
2555 SIS*VONA/2180)	VBF0589	267	78.4	65.3	78	0	0	3431	232
HBZ321A*W3459/2180)	VBF0107	29	77.5	71.6	86	0	8	3425	233
W1406*SILOUXLAND/2154)	HBFO025	127	79.9	73.2	88	0	0	3424	234
XW171 SIS*2157/2180)	VBF0151	39	79.3	71	80	0	8	3421	235
W2413*W2440/W3417)	HBFO085	130	77.9	69.8	78	0	0	3413	236
XW171 SIS*VONA/2180)	VBF0159	46	79.3	72.4	74	0	0	3407	237
2553*SBT477/W6430C*NK835)	HBC804	70	78.4	73.8	82	0	0	3407	238
W9488A*2163/2180)	HBFO337	199	77.5	.	69	0	0	3402	239
W2439/2163)	HBE0771	110	77.1	68.6	72	0	0	3398	240
TAM107*2551/2180)	VBF0573	261	77.7	73.6	79	2	8	3395	241
2551*VONA/2180)	VBF0576	57	80.8	69.3	84	0	0	3388	242
2551*VONA/2180)	VBF0576	58	79.7	72.2	90	0	8	3386	243
2551*W8447D/W2440)	HBFO592	231	74.7	.	85	0	0	3377	244
W9487A*TX78V3630/W3437)	HBFO321	191	81.3	.	78	0	0	3366	245
TAM108*2165/NK835*HOMESTEAD)	HBC664	2	79.5	74.3	84	0	0	3359	246
OK754615*KAVKAZ 107/TX71A889*2157)	HBC696	3	76.6	74	72	0	0	3358	248
TAM107*NEWTON/W2414)	VBE0050	19	81.3	75.6	92	0	8	3358	247
COK797*TAM108/2180)	VBF0544	254	77.8	72.1	78	0	8	3342	249
W0587*2369/TAM105)	HBC753	8	75.1	70.2	84	0	8	3304	250
XW171 SIS*2157/2180)	VBF0151	37	78.6	72.2	78	0	8	3284	251
HBZ321A*PONY/W0487D)	VBF0105	244	75.5	.	82	0	0	3278	252
TX71A889*W1405/KS76H3237*NK835)	HBC643	82	78.9	72.5	86	0	0	3276	253
W1407*2172/2180)	HBFO049	128	76	66	80	0	0	3262	254
W8447*W8487/2172)	HBB080	76	77.9	68.2	90	0	0	3257	255
WX12833)X3X1X*2157/W8447)	HBC090	79	79.1	71.7	79	0	8	3257	256
XW171 SIS*2157/2180)	VBF0151	41	82.7	73.1	70	0	0	3226	257
XW171 SIS*NK812/2180)	VBF0168	51	78.4	72	74	2	8	3224	258
XW171 SIS*2165/2180)	VBF0154	42	76.9	70.6	76	5	8	3218	259
HBZ321A*TAM105/2180)	VBF0094	27	79.6	71.9	86	0	0	3209	260
NK812*2180/2180)	VBGO110	61	78.7	73.1	68	0	0	3207	261
YW191 PAR*W2421/OK79257*ARKAN)	VBE0269	23	80.4	74.6	90	0	0	3203	262
13981(ARG)*W2421/OK79257*ARKAN)	VBE0263	238	81.5	.	79	0	8	3203	263
W9401*VONA/2172)	HBE0297	90	80.1	70.7	78	0	0	3200	264
XW171 SIS*VONA/2180)	VBF0159	248	78.9	.	84	0	0	3191	265
2165*2551/2157)	VBGO134	62	78.9	73.8	76	3	6	3189	266
XW171 SIS*2157/2180)	VBF0151	38	79.2	67.9	76	4	8	3165	267
XW171 SIS*VONA/2180)	VBF0159	48	80	71.3	78	0	8	3152	268
XW171 SIS*2157/2180)	VBF0151	36	79.7	70.5	84	4	8	3134	269
W2439*W9523A/2180)	HBFO245	291	75.3	66.1	85	0	0	3130	270

Agronomic summary of the 1991 Pioneer Observation Nursery, Concluded.

VARIETY OR PEDIGREE	C.I. OR SEL. NO.	ENTRY: NO.	VERNON, TX TEST WT. KG/HL	KANSAS MEAN TEST WT. KG/HL	BERTHOUD, CO PLANT HT. CM	STEM RUST QCC 0-5 : 0-9	6 SITE YIELD AVERAGE
W2401*TAM108/PONY)	VBE0206	21	77.5	73	90	0 8	3129 271
2165*2551/2157)	VBG0134	63	79.1	73.9	78	0 8	3114 272
W1404*LEN/TAM105)	HBC766	12	80.4	70.4	76	0 0	3110 273
2157*W6040A/PRONTO*TAM107)	VBE133B	26	81	75.1	80	0 0	3096 274
XW171_SIS*VONA/2180)	VBFO159	247	81	.	84	0 0	3073 275
W2401*TAM108/PONY)	VBE0206	22	77.5	73.5	88	0 8	3056 276
2551*NE78659/W2439)	HBF0590	230	72.8	.	71	0 0	3053 277
W1406*2369/TAM105)	HBC757	11	79.7	68.7	72	0 0	3032 278
W2401*TAM108/PONY)	VBE0206	20	78.7	73.2	90	0 8	3032 279
2551*VONA/2180)	VBFO576	59	81.1	70	82	5 8	3028 280
W2440*W9488A/2163)	HBF0263	162	75.7	70	81	0 8	2999 281
WX9280*ROCKY/SIOUXLAND)	HBE0040	84	74.2	68.5	81	0 8	2925 282
W2413/SIOUXLAND)	HCC296	18	77.5	66.8	78	0 0	2852 283
2157*W6040A/PRONTO*TAM107)	VBE133B	24	80.1	74.9	84	5 8	2850 284
TX78V3630/2157)	HCB201	16	82.8	73.1	94	0 8	2848 285
W2413/SIOUXLAND)	HCC296	17	77.9	68.7	80	0 0	2692 286
SGW017*2165_PAR/W9519)	HBZ231	14	77.8	69.7	72	0 0	2576 287

Summary of yields (kg/ha) and ranks for entries in the 1991 Pioneer Observation Nursery (PON) grown at 7 locations.
Coordinated by R. G. Sears and T. J. Martin, Kansas State Univ.

C.I. OR SEL. NO.	ENTRY: NO.	BERTHOUD COLORADO	MEAD NEBRASKA	STILLWATER OKLAHOMA	VERNON TEXAS	HUTCHINSON KANSAS	MANHATTAN KANSAS	OXFORD KANSAS	6 SITE REGIONAL AVERAGE
HBFO425	306	6564 26	.	4143 2	3974 227	4058 69	3872 37	3617 60	4371 1
VBE017	72	6698 20	.	3185 64	4149 55	4235 34	3796 52	4102 7	4361 2
HBFO425	212	6537 29	2494 86	3755 7	4069 142	3800 117	3588 98	4316 2	4344 3
HBFO429	308	7115 6	.	3744 9	4075 132	3717 134	3763 56	3473 82	4315 4
HBFO248	296	6960 8	.	3831 6	4055 155	3818 114	3871 38	3204 129	4290 5
HBFO263	161	6335 51	3422 15	3336 43	4069 142	4862 2	3603 94	3531 74	4289 6
HBE0771	112	6772 14	.	3088 86	4055 155	4198 42	3923 24	3665 47	4283 7
VBF0544	257	6288 59	.	3658 16	4082 124	3847 107	4318 4	3409 96	4267 8
HBFO276	297	5905 108	1991 106	3734 11	4028 192	4151 47	4535 1	3137 140	4248 9
HBE0363	96	6812 13	.	2625 200	4048 166	4383 22	3660 77	3934 16	4244 10
HBFO247	292	6483 34	1831 110	4207 1	4075 132	3404 206	3921 26	3355 108	4241 11
HBFO340	201	7572 2	3103 35	2765 163	4190 25	3938 90	2923 250	3997 13	4231 12
HBFO290	169	5461 153	.	3540 22	4163 44	4681 6	3380 150	4102 7	4221 13
HBFO337	197	6436 41	.	3260 50	4143 61	4541 10	2991 244	3904 22	4212 14
HBE0780	280	5757 123	.	3540 22	4048 166	4151 47	4422 2	3244 121	4194 15
HBC727	69	6261 63	.	3206 60	4243 8	4299 26	3547 105	3598 63	4193 16
HBFO435	216	5878 111	.	3034 101	4042 171	4502 13	3822 48	3868 28	4191 17
VBE0186	236	6725 17	.	2292 242	4062 148	4498 14	3652 80	3889 26	4186 18
HBE0363	97	7061 7	.	2270 245	4089 114	4435 20	3337 161	3867 29	4177 19
VBF0544	256	6503 32	.	3755 7	4008 209	3585 165	4000 16	3172 135	4171 20
HBE0771	111	5474 151	.	3949 4	4082 124	4137 52	3876 36	3463 83	4164 21
VBF0589	270	6402 43	2611 72	3013 104	4203 20	4385 21	3786 54	3129 142	4153 22
HBFO337	196	5299 173	3646 8	3346 41	4055 155	4616 7	3732 63	3846 32	4149 23
HBFO432	312	6940 10	2118 104	3432 31	3988 221	3938 90	3310 172	3280 116	4148 24
HBFO441	314	6342 49	2765 64	3691 15	3941 245	3896 100	3859 40	3151 139	4146 25
HBFO425	307	7505 3	.	2507 221	3974 227	3922 95	3214 191	3749 40	4145 26
HBFO408	211	6900 11	.	3497 26	4109 94	3555 174	2892 254	3900 24	4142 27
HBFO302	173	5891 110	3024 40	3120 76	4143 61	4247 32	3658 79	3766 38	4138 28
HBFO246	156	6059 87	.	3120 76	4183 33	4036 73	3753 59	3665 47	4136 29
HBC059E	77	6523 31	.	2798 154	4069 142	3812 115	3699 70	3901 23	4134 30
HBFO246	157	6375 46	.	2733 168	4129 76	4020 77	3480 124	4035 12	4129 32
VBF0589	264	6449 37	.	3454 28	4022 194	4155 46	3994 17	2699 218	4129 31
HBFO302	178	6167 71	.	3099 83	4055 155	4228 37	3539 107	3665 47	4126 33
HBFO345	202	7350 4	3117 34	2421 230	4136 68	4588 9	2736 267	3484 79	4119 34
HBFO361	209	6214 68	3604 11	3056 93	4237 9	4206 40	3142 211	3832 34	4114 35
HBFO303	184	6443 40	2891 55	3163 68	3887 272	4058 69	3691 73	3430 88	4112 36
HBE0779	116	5689 129	.	3056 93	4102 101	3804 116	3880 35	4136 5	4111 37
HBFO350	204	6234 66	.	3389 37	4176 34	4125 53	2800 261	3929 20	4109 38
HBFO303	298	6543 28	2395 95	3056 93	3887 272	4024 75	4146 9	2989 170	4108 39
VBF1100	319	5938 102	2557 81	3077 88	4196 22	3926 93	4217 6	3047 162	4067 40
HBE0771	113	6026 89	2790 63	3368 39	3948 242	4279 28	3377 153	3396 98	4066 42
HBFO611	232	6476 35	.	2981 112	3914 260	4539 11	3026 238	3459 85	4066 41
HBFO255	160	6718 19	2964 43	3045 97	4035 186	4259 30	3343 160	2993 166	4065 43
HBE0773	273	6126 79	2558 80	3712 13	4022 194	4011 79	3724 64	2753 206	4058 44
HBFO096	133	6947 9	.	3045 97	3880 276	3981 85	3486 118	2993 166	4055 45

Yield summary of the 1991 Pioneer Observation Nursery (PON), continued.

C.I. OR SEL. NO.	ENTRY: NO.	BERTHOUD COLORADO	MEAD NEBRASKA	STILLWATER OKLAHOMA	VERNON TEXAS	HUTCHINSON KANSAS	MANHATTAN KANSAS	OXFORD KANSAS	6 SITE REGIONAL AVERAGE
HBF0290	170	5333 169	.	3142 71	4170 40	4714 5	3609 92	3363 105	4055 46
HBE0321	92	5165 182	3044 39	3217 55	4170 40	4003 83	4303 5	3430 88	4048 47
HBE0771	109	6322 54	2819 59	3411 34	4035 186	4184 43	3440 133	2892 185	4047 48
VPF0589	268	6537 29	3393 19	3744 9	4089 114	3389 210	3900 31	2617 235	4046 49
HBF0140	289	6658 22	1802 112	2841 147	4270 5	3504 188	3551 103	3449 86	4045 50
HBF0248	294	6268 61	.	3293 45	3887 272	3782 121	3605 93	3420 94	4042 51
HBF0539	222	6295 57	.	3131 75	4042 171	4097 56	3205 196	3477 81	4041 52
VPF0589	269	6147 76	3368 20	3497 26	4055 155	3851 106	3818 49	2853 193	4037 53
HBF0114	136	5454 155	3852 1	3626 18	4109 94	4519 12	3502 116	2993 166	4034 54
HBF0425	213	6752 15	2584 76	3013 104	3995 217	3178 238	3650 81	3610 61	4033 55
HBF0290	171	4324 233	.	2927 128	4109 94	4746 4	4007 15	4069 9	4030 56
HBE0773	276	5730 125	1923 108	3712 13	4001 214	3906 96	3826 46	3004 165	4030 57
HBF0139	288	6604 24	.	3067 91	4055 155	3567 170	3142 211	3681 45	4019 58
HBC727	68	6301 56	.	3293 45	4203 20	3289 228	3318 169	3665 47	4012 59
HBF0303	188	5985 95	3056 37	3206 60	4116 86	4066 64	3468 127	3215 127	4009 60
HBF0441	316	6160 73	2625 71	3519 24	4109 94	4082 59	3183 203	2960 173	4002 61
HBF0588	229	6725 17	.	3024 103	3820 284	3822 112	2886 256	3699 43	3996 62
VBG0339	64	5306 172	.	3217 55	4190 25	4206 38	3486 118	3564 70	3995 63
VPF0015	240	5313 171	.	3002 108	4109 94	4614 8	3026 237	3896 25	3993 64
HBF0276	163	6449 37	3013 41	2776 158	4008 209	4170 44	3889 39	2656 225	3988 66
HBF0432	214	6335 51	.	2410 233	4069 142	3972 87	3202 198	3943 14	3988 65
HBE0894	124	5003 196	3281 26	3002 108	4069 142	4030 74	3828 44	3934 16	3978 67
HBF0139	286	5710 127	.	3206 60	4035 186	3646 150	3613 89	3642 56	3975 68
VPF0077	243	5770 122	.	2776 158	4190 25	4070 61	3107 220	3925 21	3973 69
HBE0242	88	6261 63	2611 72	2615 203	4156 48	3401 207	3685 74	3699 44	3969 70
HBF0248	293	6402 43	.	2744 165	4075 132	3368 214	3845 42	3355 108	3965 71
HBF0432	311	6254 65	2208 102	3314 44	3941 245	3660 146	3234 187	3383 103	3964 72
HBF0302	177	6369 47	.	3250 53	3934 249	3527 182	3101 221	3598 63	3963 73
HCC0076	233	6295 57	2918 50	3271 48	4196 22	3463 193	2751 265	3796 36	3962 75
HBE0780	279	5346 168	.	3411 34	4048 166	3882 102	4017 14	3069 158	3962 74
HBE0780	120	6281 60	.	3067 91	4062 148	3666 144	3296 173	3396 98	3961 76
HBF0441	218	5938 102	.	3099 83	3961 233	4233 35	2681 269	3853 30	3961 77
HBF0345	304	6207 69	.	2981 112	4075 132	3732 128	3632 85	3122 148	3958 78
HBE0726	106	6429 42	3400 18	3728 12	4136 68	3519 185	3034 234	2892 185	3956 80
HBF0588	228	5642 135	3219 29	3970 3	4096 107	3297 224	2880 258	3853 30	3956 79
HBE0726	104	6678 21	.	2389 234	4042 171	4851 3	3486 118	2287 263	3955 81
VPF0223	252	5111 190	.	3443 29	4143 61	3900 97	3906 28	3208 128	3952 82
VPF0544	259	6557 27	.	3045 97	4042 171	3788 120	3323 166	2946 180	3950 83
HBE0249	89	6476 35	3226 28	2604 204	4149 55	3376 213	3644 82	3430 88	3947 84
HBE0780	278	4573 216	.	3519 24	4075 132	4231 36	4078 10	3190 133	3944 85
HBF0250	159	5958 101	2793 62	2195 253	3921 258	4151 47	3800 51	3632 57	3943 87
VPF0586	262	6584 25	2677 67	3174 66	4190 25	3244 236	3722 65	2746 207	3943 86
HBF0140	141	5494 150	.	2389 234	4196 22	4476 16	3595 96	3497 76	3941 88
HBF0241	153	6624 23	.	2970 120	3981 223	3583 166	3193 200	3228 122	3930 89
VPF0589	263	5972 98	3687 6	3163 68	4089 114	3646 151	4164 8	2520 249	3926 90

Yield summary of the 1991 Pioneer Observation Nursery (PON), continued.

C.I. OR SEL. NO.	ENTRY: NO.	BERTHOUD COLORADO	MEAD NEBRASKA	STILLWATER OKLAHOMA	VERNON TEXAS	HUTCHINSON KANSAS	MANHATTAN KANSAS	OXFORD KANSAS	6 SITE REGIONAL AVERAGE
VBFO544	260	6066 86	2581 78	2862 144	3981 223	3629 158	3902 30	3101 150	3924 91
HBE0127	318	7707 1	2837 57	2712 175	4015 205	3966 88	3069 227	2057 270	3921 92
HBFO438	217	5925 104	2866 56	3056 93	4069 142	3551 176	3169 205	3749 40	3920 93
HBC224	81	6449 37	.	2593 208	4055 155	3595 164	3007 240	3800 35	3917 94
HBFO432	313	6355 48	.	3443 29	3887 272	3565 171	2896 251	3348 110	3916 95
HCC288	317	6322 54	.	3260 50	4129 76	3441 200	3378 152	2954 179	3914 96
HBFO302	172	5582 144	.	3260 50	4096 107	3924 94	3666 76	2959 174	3911 97
HBC757	9	7196 5	3728 4	2679 181	4149 55	3508 187	3390 146	2522 244	3907 98
HBV880	71	4593 215	.	3174 66	4176 34	3644 152	3314 170	4539 1	3907 99
HBFO303	299	5723 126	2807 60	2927 128	3901 267	3796 119	3923 24	3137 140	3901 100
HBE0415	102	4943 199	.	3206 60	3961 233	3936 92	3845 42	3497 76	3898 101
HBFO276	166	6026 89	2798 61	2496 223	4015 205	4251 31	3908 28	2656 225	3892 103
HBFO357	208	6490 33	.	2948 124	4022 194	3453 196	2556 273	3886 27	3892 102
HBFO114	284	6106 81	.	2981 112	4096 107	3405 205	3511 114	3190 133	3881 104
HBFO214	149	5992 93	.	2970 120	4075 132	3378 212	3267 181	3598 63	3880 105
HBFO053	129	5965 99	.	2927 128	3921 258	3900 97	3738 62	2825 194	3879 106
HBFO302	174	6133 78	.	3120 76	4042 171	3488 191	3046 233	3430 88	3877 107
HBC208	80	5582 142	3740 3	2884 139	3981 223	3825 111	3811 90	3363 105	3874 108
HBFO303	302	5683 130	2652 68	2776 158	3779 286	3756 124	4358 3	2882 189	3872 109
HBFO303	183	6032 88	3207 30	2744 165	3894 269	4105 54	3496 117	2925 182	3866 110
HBFO551	223	5831 117	2354 96	2356 239	4035 186	3900 97	3277 178	3789 37	3865 111
HBFO350	203	5447 156	3406 17	2658 192	4089 114	4151 47	2896 251	3936 15	3863 112
HBE0771	272	6200 70	.	2981 112	4042 171	3289 228	3823 87	3040 163	3863 113
HBFO303	300	5710 127	2509 83	2722 170	3914 260	3654 147	4041 12	3108 149	3858 114
HBFO133	138	3746 263	.	3572 19	4022 194	4441 19	3849 41	3497 76	3854 115
HBE0771	108	4997 197	2249 99	2937 126	4149 55	4344 23	3294 174	3396 98	3853 117
HBFO303	190	4425 226	3206 31	3045 97	3954 240	4447 17	3660 77	3588 69	3853 116
HBFO325	192	6752 15	.	3142 71	3927 256	3295 225	3030 235	2972 171	3853 117
HBFO209	148	5979 96	3636 9	2873 142	4102 101	4062 68	2997 242	3094 151	3851 119
HBFO576	227	4297 238	3301 25	3163 68	4042 171	4484 15	3436 135	3681 45	3851 120
HBFO220	152	5784 121	.	3013 104	4217 18	3553 175	3441 131	3094 151	3850 121
HBFO137	140	5272 176	.	3422 32	4116 86	3839 108	3320 167	3127 143	3849 122
HBFO302	176	5602 139	.	3551 20	3988 221	3413 203	3269 180	3262 117	3847 123
VBFO544	258	5017 194	2459 90	3282 47	4015 205	4103 55	3712 68	2943 181	3845 124
HBFO431	309	5878 111	3480 12	3400 36	4096 107	3754 125	3312 171	2631 231	3845 125
HBE0780	123	4304 237	.	2894 134	4109 94	4247 32	3437 134	4069 9	3843 126
HBE0779	117	5979 96	.	2894 134	3934 249	3697 139	3109 219	3430 88	3840 127
HBFO174	144	5528 147	.	2604 204	3934 249	3975 86	3521 111	3463 83	3838 128
VBFO147	33	6342 49	.	2937 126	4082 124	4066 64	3196 199	2387 257	3835 129
VBFO223	253	4553 217	3165 33	2862 144	4129 76	4083 58	3990 18	3391 102	3835 130
HBE1066	126	5286 174	3676 7	2981 112	3968 231	4068 62	3961 20	2724 210	3831 131
HBE0780	119	5071 191	.	2679 181	4022 194	3648 149	3722 65	3833 33	3829 132
HBE0379	100	4889 203	.	3120 76	4001 214	4295 27	3461 128	3194 130	3827 134
VBFO589	266	5145 184	.	3841 5	3880 276	3291 227	4072 11	2735 208	3827 133
VBE0043	234	3652 268	.	3551 20	4075 132	4445 18	3083 224	4151 4	3826 135

Yield summary of the 1991 Pioneer Observation Nursery (PON), continued.

C.I. OR SEL. NO.	ENTRY NO.	BERTHOUD COLORADO	MEAD NEBRASKA	STILLWATER OKLAHOMA	VERNON TEXAS	HUTCHINSON KANSAS	MANHATTAN KANSAS	OXFORD KANSAS	6 SITE REGIONAL AVERAGE
HBE0363	99	5407 164	.	2776 158	4149 55	3583 166	3457 129	3564 70	3823 136
HBFO303	189	5266 177	.	3346 41	3907 265	3822 112	3884 34	2710 216	3823 137
HBFO357	207	6086 83	2223 101	2658 192	4082 124	3362 215	3064 230	3660 54	3819 138
HBFO133	139	5151 183	3102 36	3228 54	4102 101	4011 79	3212 193	3194 130	3817 139
HBFO276	164	5622 136	2601 75	2776 158	3914 260	3886 101	3673 75	3026 164	3816 140
VBGO048	60	5420 160	.	3217 55	3954 240	4015 78	3421 138	2858 191	3814 141
HBFO508	220	5985 99	2265 98	3077 88	3699 287	3827 110	2939 248	3377 104	3814 142
HBFO303	301	6335 51	2633 70	2690 177	3847 283	3120 245	4217 6	2656 225	3811 143
VBFO154	44	5992 93	.	2582 209	4082 124	3577 168	3763 56	2825 194	3803 144
HBFO278	168	5824 118	2912 52	2841 147	4082 124	3727 129	3210 194	3094 151	3796 145
VBFO072	242	5905 108	2408 94	2808 152	4176 34	3386 211	2888 255	3595 68	3793 146
HBE0780	121	4862 204	.	2830 151	4042 171	4064 66	3288 176	3665 47	3792 147
HBE0402	101	6886 12	.	2625 200	3907 265	2552 273	3152 208	3598 63	3787 148
HBFO303	187	5609 138	2900 54	3013 104	3901 267	3642 153	3588 98	2959 174	3785 149
HBFO340	200	5595 141	2113 105	2561 215	4136 68	3752 127	3234 187	3430 87	3785 151
HBFO539	221	4855 205	2509 83	2443 227	4075 132	4334 24	3742 60	3262 117	3785 150
HBE0780	281	4405 229	.	2991 110	3961 233	4206 38	4035 13	3075 156	3779 152
HBFO302	180	5286 174	.	3120 76	4055 155	3500 190	3128 215	3531 74	3770 153
VBEO271	73	6389 45	.	2572 212	4143 61	3074 251	3510 115	2925 182	3769 154
VBFO573	53	5602 139	3325 23	3142 71	3974 227	3565 171	3482 122	2825 194	3765 155
HBFO572	226	6086 83	2728 65	3379 38	3860 281	3360 217	2566 272	3337 111	3765 156
HBE0217	87	5575 143	.	2432 229	4237 9	3701 136	3277 178	3363 105	3764 158
HBFO568	224	5925 104	.	3077 88	3941 245	4022 76	2886 256	2735 208	3764 157
HBFO303	182	4600 214	2582 77	2755 164	3894 269	4200 41	3781 55	3329 112	3760 159
HBE0773	274	5562 144	.	3357 40	4022 194	3124 244	3982 19	2502 250	3758 160
HBE0773	277	5736 124	2502 85	3088 86	3934 249	3086 249	3900 31	2796 198	3757 161
VBFO111	32	5393 165	.	2518 220	4102 101	4054 71	3332 164	3127 143	3754 162
HBFO219	290	6106 81	2229 100	2647 197	3974 227	3218 237	3353 158	3226 124	3754 163
VBGO110	74	4842 207	.	2894 134	4109 94	3525 184	3398 144	3732 42	3750 164
KS801072	91	6160 73	3424 14	1905 267	4096 107	3250 235	3788 53	3295 113	3749 167
HBE0321	93	4425 226	3346 21	2722 170	4170 40	3675 142	3738 61	3766 38	3749 165
HBFO139	287	6073 85	.	3034 101	4075 132	3060 252	2767 264	3484 79	3749 166
HBE0780	122	4062 253	.	2787 155	4089 114	4163 45	3416 139	3934 16	3742 168
HBFO114	283	5622 136	.	2679 181	4136 68	3409 204	3384 148	3219 126	3742 169
HBFO431	310	5461 153	2270 97	3110 81	3961 233	3607 163	3541 106	2760 202	3740 170
HBE0778	114	4842 207	.	2948 124	4089 114	3770 123	3116 218	3632 57	3733 171
VBFO151	40	5810 119	.	2378 236	4122 81	3609 161	3629 86	2825 194	3729 172
HBE0876	282	5118 187	.	2841 147	4035 186	3701 136	3570 102	3072 157	3723 173
HBFO303	181	5441 158	2579 79	2668 187	3981 223	3719 133	3529 110	2993 166	3722 174
VBFO159	250	5857 114	.	2668 187	4022 194	3330 219	3482 122	2961 172	3720 175
HBE0771	271	5555 146	.	2981 112	4008 209	3453 196	3410 141	2889 188	3716 176
HBFO327	303	5528 147	.	2658 192	3948 242	3754 125	3539 107	2860 190	3714 177
VBFO147	34	5837 115	.	2443 227	3914 260	3640 154	3592 97	2757 203	3697 178
VBFO200	52	5367 167	.	2981 112	4143 61	3683 141	3326 165	2656 225	3692 179
HBE0363	98	6140 77	.	2690 177	4082 124	3151 242	2923 249	3161 136	3691 180

Yield summary of the 1991 Pioneer Observation Nursery (PON), continued.

C.I. OR SEL. NO.	ENTRY: NO.	BERTHOUD COLORADO	MEAD NEBRASKA	STILLWATER OKLAHOMA	VERNON TEXAS	HUTCHINSON KANSAS	MANHATTAN KANSAS	OXFORD KANSAS	6 SITE REGIONAL AVERAGE
HBFO146	142	4432 225	2477 89	2916 133	4237 9	4082 59	3365 155	3094 151	3688 182
HBFO204	147	4243 247	.	3142 71	4062 148	3855 105	3531 109	3295 113	3688 181
HBE0046	86	4277 244	3315 24	2313 241	4116 86	4097 56	3644 83	3598 63	3674 183
HBE0780	118	4257 246	3054 38	2927 128	3941 245	3699 138	3474 125	3665 47	3660 184
HBFO337	198	5474 151	.	2717 174	4156 48	4038 72	2742 266	2796 198	3654 186
VBF0161	251	4943 199	.	2658 192	4042 171	3561 173	3471 126	3252 119	3654 185
HBE0726	107	4768 210	2923 49	2367 237	4136 68	4882 1	3124 216	2589 236	3644 187
HBB114	66	3880 261	3783 2	3217 55	4237 9	3453 196	3425 137	3665 47	3643 188
HBFO247	158	5124 186	.	2679 181	3995 217	3772 122	3118 217	3127 143	3636 189
HBFO097	134	4096 251	.	3217 55	4096 107	3632 156	3699 71	3060 159	3633 190
HBFO471	219	4391 230	2944 48	2808 152	3874 279	4261 29	2841 260	3620 59	3633 191
HBFO350	206	4210 248	.	2604 204	4075 132	3715 135	3073 226	4108 6	3631 192
HBFO116	137	6019 91	.	2496 223	3961 233	3482 192	3067 229	2757 203	3630 193
HBC696	4	5387 166	.	1894 269	3934 249	4068 62	3896 33	2556 242	3622 194
VBF0159	47	5508 149	.	2572 212	4163 44	3512 186	3251 183	2724 210	3622 196
HBFO219	150	4990 198	3342 22	2787 155	4042 171	3551 176	3236 186	3127 143	3622 195
HBC652	67	5656 133	3688 5	2636 198	4022 194	2970 257	3214 191	3161 136	3610 197
HBFO094	132	5252 178	.	2582 209	4055 155	3608 162	3028 236	3127 143	3609 198
VBF0159	49	5118 187	3623 10	2690 177	4089 114	3630 157	3390 146	2690 219	3601 199
HBFO094	28	5057 192	.	2927 128	4136 68	3362 215	3320 167	2791 200	3599 200
HBFO204	146	3685 267	.	3422 32	4143 61	3301 223	3064 230	3934 16	3591 201
HBE0683	103	3403 274	.	3110 81	4116 86	4315 25	3572 100	2925 182	3574 202
HBFO302	179	4291 239	.	3185 64	4035 186	3417 202	3208 195	3194 130	3555 204
HBFO337	194	6005 92	.	2529 219	4163 44	3106 247	2572 271	2957 178	3555 203
VBF0576	56	4909 201	3005 42	2475 226	4156 48	3549 179	3519 112	2690 219	3550 205
VBF0151	246	5024 193	.	3271 48	4082 124	2853 264	2462 279	3599 62	3548 206
HBFO277	167	5319 170	2964 43	2507 221	4156 48	3401 207	3431 136	2421 255	3539 207
HBFO363	210	5118 187	.	2281 243	4122 81	4064 66	2556 273	3086 155	3538 208
HBFO303	186	3800 262	2946 47	2712 175	3860 281	4009 81	3359 157	3430 88	3528 209
HBC696	6	5205 180	.	1926 266	4001 214	3577 168	3925 22	2522 244	3526 210
VBF0008	239	5649 134	.	2674 186	3880 276	2729 267	2976 246	3248 120	3526 211
HBFO157	143	3867 260	1900 109	2744 165	3934 249	3439 201	3599 95	3564 70	3525 212
VBF0046	241	5669 131	.	2421 230	4022 194	2542 274	3062 232	3412 95	3521 213
HBFO244	154	6160 73	.	2851 146	4022 194	2019 285	2775 263	3228 122	3509 214
HBFO327	193	4472 222	.	2959 123	4048 166	3328 221	3001 241	3223 125	3505 215
VBF0168	50	5925 104	3196 32	2217 249	4190 25	2905 260	3402 142	2387 257	3504 216
HBFO220	151	4311 236	.	2841 147	4284 4	3502 189	3099 222	2959 174	3499 217
VBE0254	237	6227 67	.	2152 258	4062 148	3551 176	2282 283	2706 217	3497 218
HBB840	1	5434 159	.	2281 243	4022 194	3800 117	3935 21	1480 285	3492 219
HBE0324	94	4755 211	.	3099 83	4028 192	2956 258	2687 268	3396 98	3487 220
VBF0154	43	4465 224	.	2690 177	3995 217	3727 129	3245 185	2724 210	3474 221
VBF0159	249	6167 71	.	1603 279	4190 25	3864 145	3083 224	2122 268	3471 222
HBFO085	131	2825 284	2457 91	2894 134	4176 34	3839 108	3925 22	3161 136	3470 223
VBF0107	30	4492 220	.	2970 120	4008 209	3307 222	3486 118	2522 244	3464 224
HBE0007	83	4351 232	.	2098 261	3968 231	3262 231	3514 113	3564 70	3460 225

Yield summary of the 1991 Pioneer Observation Nursery (PON), continued.

C.I. OR SEL. NO.	ENTRY: NO.	BERTHOUD COLORADO	MEAD NEBRASKA	STILLWATER OKLAHOMA	VERNON TEXAS	HUTCHINSON KANSAS	MANHATTAN KANSAS	OXFORD KANSAS	6 SITE REGIONAL AVERAGE
VBFO576	54	4909 201	2951 46	2367 237	4015 205	3086 249	3714 67	2656 225	3458 226
HBC696	7	4607 213	.	2238 247	3961 233	3859 104	3691 72	2354 260	3452 227
HBC757	10	5925 104	2637 69	2217 249	4129 76	2881 261	3068 228	2488 251	3451 228
HBC090	78	3248 278	.	2733 168	4116 86	2875 262	3453 130	4237 3	3444 229
VBFO111	31	3705 266	.	2550 217	4250 6	3946 89	3226 189	2959 174	3440 230
HBC804	13	4324 233	1988 107	2722 170	4122 81	3397 209	3763 56	2287 263	3436 231
VBFO589	267	6126 79	2478 88	2227 248	4089 114	3650 148	2478 278	2015 272	3431 232
VBFO107	29	4492 220	.	2981 112	4042 171	3453 196	3159 207	2421 255	3425 233
HBFO025	127	4808 209	.	2206 251	4163 44	4139 51	3412 140	1816 279	3424 234
VBFO151	39	4008 254	2434 93	2668 187	4136 68	3634 155	3191 201	2892 185	3421 235
HBFO085	130	4412 228	.	2991 110	4062 148	3252 234	3138 213	2623 232	3413 236
VBFO159	46	4264 245	3267 27	2539 218	4136 68	4005 82	2976 245	2522 244	3407 237
HBC804	70	5131 185	.	2787 155	4089 114	2473 276	3171 204	2791 200	3407 238
HBFO337	199	3282 276	2825 58	2668 187	4042 171	3859 103	3267 181	3291 115	3402 239
HBE0771	110	3470 270	2913 51	2658 192	4694 1	3289 228	3216 190	3060 159	3398 240
VBFO573	261	6268 61	3416 16	1732 277	4048 166	3094 248	2995 243	2233 266	3395 241
VBFO576	57	5447 156	.	1539 280	4210 19	3457 194	3827 45	1849 276	3388 242
VBFO576	58	4291 239	3469 13	1937 265	4156 48	3537 180	3705 69	2690 219	3386 243
HBFO592	231	5414 163	.	2894 134	3894 269	3034 255	1383 287	3646 55	3377 244
HBFO321	191	5420 160	.	2572 212	4237 9	2623 272	1946 285	3398 97	3366 245
HBC864	2	3974 256	.	2873 142	4143 61	3340 218	3336 162	2488 251	3359 246
HBC896	3	4358 231	.	1958 263	3995 217	3527 182	3921 26	2387 257	3358 248
VBE0050	19	4512 218	.	2195 253	4237 9	3043 253	3572 100	2589 236	3358 247
VBFO544	254	4855 205	.	2184 255	4055 155	3687 140	3146 209	2122 268	3342 249
HBC753	8	4284 242	.	3648 17	3914 260	2693 271	3333 163	1950 274	3304 250
VBFO151	37	3194 279	.	2668 187	4096 107	3618 160	3369 154	2757 203	3284 251
VBFO105	244	5669 131	1829 111	2163 257	3934 249	3330 219	1896 286	2678 224	3278 252
HBC843	82	5239 179	.	1894 269	4116 86	2747 266	3810 50	1849 276	3276 253
HBFO049	128	5810 119	.	2184 255	3961 233	2536 275	2490 277	2589 236	3262 254
HBB080	76	5871 113	.	2335 240	4062 148	2204 283	2380 281	2690 219	3257 255
HBC090	79	2488 287	.	2604 204	4122 81	2432 277	3825 47	4069 9	3257 256
VBFO151	41	4317 235	2453 92	2152 258	4324 2	3293 226	2681 269	2589 236	3226 257
VBFO168	51	3719 265	.	2582 209	4089 114	3457 194	3011 239	2488 251	3224 258
VBFO154	42	3255 277	.	2722 170	4008 209	3157 241	3644 83	2522 244	3218 259
VBFO094	27	4472 222	.	2679 181	4149 55	2719 269	2781 262	2455 254	3209 260
VBGO110	61	3383 275	.	2884 139	4102 101	3038 254	3146 209	2690 219	3207 261
VBE0269	23	3961 258	2962 45	1861 273	4190 25	3535 181	3621 88	2051 271	3203 262
VBE0263	238	4129 250	.	1775 274	4250 6	3987 84	2435 280	2642 230	3203 263
HBE0297	90	4291 239	2703 66	1743 276	4176 34	3128 243	3611 90	2253 265	3200 264
VBFO159	248	5420 160	.	1754 275	4116 86	3159 240	2495 276	2200 267	3191 265
VBGO134	62	3739 264	2607 74	2636 198	4116 86	3110 246	2976 246	2556 242	3189 266
VBFO151	38	3053 282	2482 87	2130 260	4129 76	3671 143	3286 177	2724 210	3165 267
VBFO159	48	5017 194	.	1636 278	4170 40	3261 233	3251 183	1580 284	3152 268
VBFO151	36	2932 283	2538 82	2206 251	4156 48	3721 132	3167 206	2623 232	3134 269
HBFO245	291	4499 219	.	2884 139	3927 256	2229 282	2525 275	2717 215	3130 270

Yield summary of the 1991 Pioneer Observation Nursery (PON), concluded.

C.I. OR SEL. NO.	: ENTRY: : NO. :	: BERTHOUD : COLORADO :	: MEAD : NEBRASKA :	: STILLWATER : OKLAHOMA :	: VERNON : TEXAS :	: HUTCHINSON : KANSAS :	: MANHATTAN : KANSAS :	: OXFORD : KANSAS :	: 6 SITE : REGIONAL : AVERAGE :
VBE0206	21	3114 281	.	2421 230	4042 171	3178 238	3294 174	2724 210	3129 271
VBG0134	63	3423 273	2156 103	2486 225	4122 81	2703 270	3091 223	2858 191	3114 272
HBC766	12	5837 115	.	1442 283	4190 25	2930 259	2849 259	1412 286	3110 273
VBE133B	26	4082 252	.	1948 264	4223 16	3022 256	3550 104	1749 281	3096 274
VBF0159	247	4284 242	.	1517 282	4223 16	3723 131	2368 282	2323 261	3073 275
VBE0206	22	3120 280	.	2270 245	4042 171	2871 263	3441 131	2589 236	3056 276
HBFO590	230	4687 212	.	1905 267	3793 285	3623 159	2013 284	2298 262	3053 277
HBC757	11	5185 181	.	1313 285	4156 48	2725 268	3402 142	1412 286	3032 278
VBE0206	20	2825 284	.	2625 200	4102 101	2812 265	3204 197	2623 232	3032 279
VBF0576	59	4136 249	.	1431 284	4230 15	3262 231	3361 156	1749 281	3028 280
HBFO263	162	2683 286	.	2561 215	3948 242	2364 280	3380 150	3060 159	2999 281
HBE0040	84	3584 269	.	1991 262	3867 280	2388 279	3132 214	2589 236	2925 282
HCC296	18	3887 259	.	1894 269	4042 171	2414 278	2894 253	1984 273	2852 283
VBE133B	24	4001 255	.	1528 281	4176 34	2358 281	3185 202	1849 276	2850 284
HCB201	16	3430 272	.	1872 272	4317 3	2185 284	3398 144	1883 275	2848 285
HCC296	17	3968 257	.	1173 287	4062 148	1820 286	3345 159	1782 280	2692 286
HBZ231	14	3470 270	2906 53	1194 286	4055 155	1736 287	3384 148	1614 283	2576 287