	Pioneer Johnston, IA Disease Trial (1 to 9 Scale; 9=Best) Bill Dolezal						
Ent#	Pedigree	Inventory	Northern Leaf Blight	Ht Score	Diplodia	General comments	11 Sept comments
	Inbreds (Entries 1-100)						
1	(1311-01/97_CHS775N19F1S3_1721-42)-B-B-B	06GEM01755	8	1	m		green plants=DIPERS
2	1312-01/97_CHS775N19F1S3_1721-42-B	05GEM02896	7	1	7		gReen pLant =scattered grains
3	(1415-01/97_DK888S11F2S3_7461-29)-B	06GEM01757	5	1	m		
4	(1415-06/97_DK888S11F2S3_7461-29)-B	06GEM01758	7	1	8		good stay green
5	(1507-001/98_DK212TN11F2S3_7431-03)-B-B	06GEM01774	8	1	6		good stay green
6	(1881-006/98_DKXL370AN11F2S3_7521-05)-B	06GEM01761	7	9	6		good stay green
7	2121-04_DK888_S11_F2S4_9178-Blk29/00-sib	02GEM00262	8	1	m		good stay green
8	DK888:S11 F2S4 2127-01)-Sib-B-B	06GEM01782	8	1	m		good stay green
9	2131-01_DK888_S11_F2S4_65/97 Bulk/98-99-B	03GEM00511	6	1	8		
10	2142-01_DK888_S11_F2S4_9190-Blk19/00-sib-B-B	04GEM00326	6	1	8		
11	(DK888:S11 F2S4 2146-01)-Sib-B	06GEM01769	7	9	6		
12	XL370A:S11 F2S4 2226-02)-Sib-B-B	06GEM01785	5	1	5		
13	2283-01_XL380_S11_F2S4_9229-Blk20/00-sib	02GEM00281	7	1	4		
14	2405-010/99_CHS775N19F1S3_1721-27-B	05GEM02975	7	1	7		good stay green
15	(7384-02/96_CHS775N19F1S3_3587-43)-B-B	06GEM01756	7	1	4		
16	(9353-01/97_DK888N11F2S3_7451-17)-B-B	06GEM01759	7	9	4		
17	(9531-02/97_DKXL380N11F2S3_7541-7)-B	06GEM01763	8	1	m		
18	(9532-02/97_DKXL380N11F2S4_7541-7)-B	06GEM01764	8	1	m		
19	AR01150:N04-545-001-B-B-B	06GEM02173	5	1	6		
20	AR13026:N08b15-016-B-B	06GEM01606	6	9	4		
21	AR13026:N08b15-086-B-B	06GEM01601	6	9	6		
22	AR16026:S1704-153-001-B-B-B-B	05GEM02864	4	1	6		
23	AR16035:S0214-449-001-B	06GEM01935	2	1	5		leaves shreaded
24	AR16035:S0214-460-001-B	06GEM01936	4	1	3		
25	AR16035:S19-161-001-B-B-B	06GEM02234	6	9	3		
26	AR16035:S3115-003-001-B	06GEM02025	2	1	3		
27	AR16035:S3115-068-001-B	06GEM02024	5	9	3		
28	AR17026:S1612-149-001-B	06GEM01839	2	1	3		
29	AR17026:S1612-174-001-B	06GEM01838	2	1	3		
30	B1357-7/97 357-7DK888S11bF1S2 1428-Blk/02|050|-B-B	04GEM00086	6	1	3		

31	(B1367-1/97 367-1DK888S11bF1S2 1438-Blk/02|050|-B)-B-B	06GEM01638	5	1	4	FEW_BIG LESIONS	
32	B1776-1/98 7451-27DK888N11F2S3 771-Blk/02|050|-B-B	04GEM00083	7	9	5		
33	B1778-1/98 7451-27DK888N11F2S3 791-Blk/02|050|-B-B	04GEM00084	8	1	3		very nice ears & stay green
34	B1780-1/98 7451-27DK888N11F2S3 811-Blk/02|050|-B-B	04GEM00085	7	1	3	flecker-blotch	
35	B1937-2/98 7541-15XL380N11F2S3 661-Blk/02|050|-B-B	04GEM00076	4	1	6		
36	B9366-5/97 7451-22DK888N11F2S3 711-Blk/02|050|-B-B	04GEM00079	6	1	4		
37	B9367-1/97 7451-22DK888N11F2S3 721-Blk/02|050|-B-B	04GEM00080	7	1	m	flecker	good ears & stay green
38	B9375-1/97 7451-27DK888N11F2S3 751-Blk/02|050|-B-B	04GEM00081	7	1	3		very nice ears & stay green
39	BARBGP2:N08a18-332-001-B-B-B-B	06GEM05120	6	9	6		
40	BR51675:N0620-033-001-B-B-B	06GEM02095	6	1	m		
41	BR51675:N0620-053-001-B-B-B	06GEM02096	6	9	4		
42	BR51721:N2012-098-002-B-B	06GEM01507	4	1	7		
43	BR51721:N2012-164-002-B-B	06GEM01510	7	1	m		
44	BR51721:N2012-397-001-B-B	06GEM01514	7	1	4		
45	BR52060:S0210-143-001-B-B-B	06GEM02104	4	1	2		
46	BR52060:S0210-147-001-B-B-B	06GEM02097	4	1	7		
47	CASH:N1410-018-001-B-B	06GEM01567	5	1	5		
48	CH05015:N1204-057-001-B-B-B-B	06GEM05125	3	1	5		partial stalk meltdown
49	CH05015:N12-140-001-B-B-SIB-SIB	06GEM02115	1	1	4		total stalk meltdown
50	CH05015:N12-183-001-B-B-SIB-SIB	06GEM02119	1	1	7		stalk meltdown
51	CH05015:N1502-086-001-B-B-B-B	06GEM05127	4	1			
52	CH05015:N15-003-001-B-B-SIB-SIB	06GEM02148	5	1			
53	CH05015:N15-008-001-B-B-SIB-SIB	06GEM02150	5	9	3		
54	CHIS 775 N19 F1S7_1721-42-12-3-B-B-B-B-B	06GEM01765	8	1	6		green but poor ear fill
55	CHIS740:S1411a-783-002-B-B-B-B-B	06GEM01656	6	9	3		
56	CHIS775:S1911b-120-001-B-B-B-B-B	06GEM05130	6	9	3		
57	CHIS775:S1911b-439-1-B-B-B	04GEM00217	5	1	4		
58	CUBA117:S15-372-001-B-B-B-B-B	06GEM05133	6	1	m		
59	CUBA117:S1542-037-002-B-B	06GEM01516	3	1	3		good standibility
60	CUBA117:S1542-057-001-B-B	06GEM01519	3	1	2		good standibility
61	CUBA117:S1542-057-002-B-B	06GEM01520	4	1	4		
62	CUBA164:S1517-163-001-B-B-B-B	06GEM05141	4	1	5		

63	CUBA164:S1517-241-002-B-B-B-B	06GEM05142	3	1	2		
64	CUBA164:S2012-444-001-B-B-Sib-B-B	06GEM02106	7	1	5	fine flecker	good standibility
65	CUBA164:S2012-456-001-B-B	06GEM01595	6	1	4		good standibility & stay green
66	DK212T N11 F2S4_7431-16-22-B-B	06GEM05210	8	1	6		good standibility & stay green
67	DK212T N11 F2S5_7431-16-5-B-B-B-B	06GEM01766	8	1	5		good standibility & stay green
68	DK212T:N11a12-191-001-B-B-B-B	06GEM05150	7	1	5	flecker	
69	DK888:N11a08a-218-001-B	06GEM02004	7	1	5		
70	DK888:N11a08a-395-001-B	06GEM02006	7	9	4		
71	DKB844:N11b-118-001-B-B-B-B	05GEM07045	5	1	3		
72	DKXL370:N11a20-604-001-B-B-B	05GEM07057	6	9	6		
73	DKXL380 N11 F2S6_7541-7-32-1-B-B-B-B-B	06GEM01767	7	1	4	fine flecker	
74	FS8A(S):S09-362-001-B-B-B-B	05GEM07059	7	1	4		
75	FS8B(S):S0316-802-001-B-B-B-B	06GEM01675	3	1	5		
76	FS8B(S):S0316-814-001-B-B-B-B-B	06GEM01676	3	1	6		
77	FS8B(T):N1802-382-001-B-B-B-B	06GEM05174	4	1	5		
78	FS8B(T):N1802-525-001-B-B-B-B	06GEM05175	5	1	4		
79	GUAT209:N1925-081-001-B-B-B	05GEM07068	6	1	3		
80	GUAT209:S1308a-025-001-B	06GEM01819	6	1	4		
81	GUAT209:S1308a-047-001-B	06GEM01821	7	1	3		
82	GUAT209:S1308a-084-001-B	06GEM01823	5	1	4		
83	GUAT209:S1308a-135-001-B	06GEM01818	5	1	6		
84	H6141-11/96_CHS775N19F1S3_3587-30-B	05GEM02977	6	1	6		
85	NEI9008:S17c21-090-002-B	06GEM01877	7	1	3		
86	NEI9008:S17c21-091-001-B	06GEM01880	5	1	3		
87	NEI9008:S17c21-165-001-B	06GEM01879	5	1	3		
88	PASCO14:S0105-198-001-B-B-B	05GEM07071	7	1	6	flecker	
89	PE001n16F2S2-172-B-B	03GEM00266	8	1	4	large blotch	
90	PE001n16F2S2-193-B-B	03GEM00269	8	1	5		
91	PE001n16F2S2-239-B-B-B-B	06GEM01791	8	1	7		
92	PE001n16F2S2-705-B-B-B	05GEM02794	5	1	3		
93	PE001n16F2S2-857-B-B-B	05GEM02795	6	1	4		
94	UR01089:S0525-519-001-B-B-B-B	05GEM02926	5	9	4		
95	UR05017:S0415-180-002-B-B-B	06GEM02103	3	1	3		

96	UR05017:S0415-187-001-B-B-B	06GEM02105	3	1	3		
97	UR10001:S1813-257-001-B-B-B	05GEM07078	3	1	4		
98	UR11003:S0302-1011-001-B-B-B-B	06GEM01695	1	1	5		
99	UR11003:S0302-937-001-B-B-B-B	06GEM01696	3	1	5		
100	UR13085:N0215-014-001-B-B-SIB-SIB	06GEM02165	5	1	3		
	Top Crosses (Entries 101-170)						
101	(1311-01/97_CHS775N19F1S3_1721-42)-B/HC33	06TPX1232	6	1	6		
102	(B1357-7/97 357-7DK888S11bF1S2 1428-Blk/02|050|-B)-B x LH287	05TPX0523	7	9	6		
103	(B1937-2/98 7541-15XL380N11F2S3 661-Blk/02|050|-B)-B x HC33	05TPX1202	3	1	4		
104	(B9366-5/97 7451-22DK888N11F2S3 711-Blk/02|050|-B)-B x HC33	05TPX1204	7	9	5		
105	(B9367-1/97 7451-22DK888N11F2S3 721-Blk/02|050|-B)-B x HC33	05TPX1205	6	1	6		
106	AR13026:N08b15-016 x HC33	05TPX1253	7	9	6		
107	AR13026:N08b15-086 x HC33	05TPX1248	7	9	6		
108	AR16026:S1704-153-1-B/LH283	03TPX0244	8	1	5		
109	AR16035:S0214-449-1\MBS5411	06TPX0088	3	1	5		
110	AR16035:S0214-460-1\MBS5411	06TPX0089	2	1	6		most tops broken
111	AR16035:S19-161-1 x LH185	02TPX00074	6	9	3		
112	AR16035:S3115-003-1\MBS5411	06TPX0079	5	9	4		
113	AR16035:S3115-068-1\MBS5411	06TPX0078	5	9	3		
114	AR17026:S1612-149-001\MBS5411	06TPX0070	4	1	6		
115	AR17026:S1612-174-001\MBS5411	06TPX0069	5	1	5		
116	BARBGP2:N08a18-332-1/LH198	03TPX0478	6	1	5		
117	BR51675:N0620-033-001xLH198	04TPX0867	7	1	5		
118	BR51675:N0620-053-001xLH198	04TPX0868	6	1	4		
119	BR51721:N2012-098-002 x LH200	05TPX0003	5	1	5		
120	BR51721:N2012-164-002 x HC33	05TPX1217	6	1	6		
121	BR51721:N2012-397-001 x HC33	05TPX1220	5	1	5		
122	BR52060:S0210-143-001xLH185	04TPX0294	4	1	4		
123	BR52060:S0210-147-001-B-B\AR03056:N09-182-001-B-B-B-B	06GEM02355	5	1	5		
124	BR52060:S0210-147-001-B-B\FS8B(T):N11a-087-001-B-B-Sib-B	06GEM02364	6	9	5		
125	BR52060:S0210-147-001xLH185	04TPX0295	5	1	4		
126	CASH:N1410-018-001 x HC33	05TPX1236	6	9	7		
127	CH05015:N1204-57-1-B/LH198	03TPX0345	5	1	5		most tops broken
128	CH05015:N12-183-1-B x LH198	02TPX00152	3	1	6		most tops broken
129	CH05015:N1502-086-1/LH198	03TPX0504	6	9	4		most tops broken

130	CH05015:N15-3-1-B x LH198	02TPX00151	8	9	5		
131	CHIS740:S1411a-783-002-B-B-B-B\DK212T:N11a12-191-001-B-B-B	06TPX1302	7	9	6		
132	CHIS740:S1411a-783-002-B-B-Sib x CH05015:N1502-086-001-B-B	05TPX0114	7	9	2		
133	CHIS740:S1411a-783-2-B-B/LH185	03TPX0627	7	9	3		
134	CHIS775:S1911b-120-001-B-B-B x FS8B(T):N11a-087-001-B-B-Sib	05TPX0155	7	9	5		
135	CHIS775:S1911b-120-001-B-B-B\AR17056:N2035-421-001-B-B	06GEM02358	7	9	3		
136	CHIS775:S1911b-120-1-B-B/LH185	03TPX0728	8	9	4		
137	CHIS775:S1911b-439-1 x LH185	02TPX00067	8	1	3		
138	CUBA117:S1542-037-002 x LH287	05TPX0528	8	9	4		
139	CUBA117:S1542-057-001 x LH287	05TPX0530	7	9	2		
140	CUBA117:S1542-057-002 x LH287	05TPX0531	7	9	4		
141	CUBA164:S1517-163-1 x LH185	02TPX00068	6	1	4		
142	CUBA164:S1517-241-2 x LH283	02TPX00298	6	1	3		
143	CUBA164:S2012-235-001-B-B-B\DKXL370:N11a20-410-001-B-B-B-B	06TPX0015	7	9	2		
144	CUBA164:S2012-444-001/LH185	03TPX0791	7	1	3		
145	CUBA164:S2012-456-001 x LH287	05TPX0563	7	9	3		
146	CUBA164:S2012-459-001-B-B-B\AR03056:N09-182-001-B-B-B-Sib-B	06TPX0001	5	1	3		
147	CUBA164:S2012-459-001-B-B-B\DK212T:N11a12-191-001-B-B-B	06TPX0039	5	1	6		
148	DK888:N11a08a-218-001/HC33	06TPX1141	6	9	6		
149	DK888:N11a08a-395-001/HC33	06TPX1143	6	9	6		
150	DKB844:S1601-073-001-B-B-B-B x CH05015:N1502-086-001-B-B	05TPX0116	6	9	3		
151	DKB844:S1601-073-001-B-B-B-B-B\DK212T:N11a12-191-001-B-B-B	06TPX0038	6	9	6		
152	DKB844:S1601-073-001-B-B-B-B-B\FS8B(T):N11a-087-001-B-B-Sib-B	06TPX0024	6	9	5		
153	GUAT209:S1308a-025 -001\MBS5411	06TPX0050	5	1	6		
154	GUAT209:S1308a-047 -001\MBS5411	06TPX0052	5	1	7		
155	GUAT209:S1308a-084 -001\MBS5411	06TPX0054	5	1	5		
156	GUAT209:S1308a-135 -001\MBS5411	06TPX0049	5	1	7		
157	HC33 x BARBGP2:N08a18-332-001-B-B	05TPX0112	5	1	5		
158	HC33 x FS8B(T):N11a-087-001-B-B-Sib	05TPX0158	7	9	6		
159	NEI9008:S17c21-090-002/LH287	06TPX0727	7	9	3		
160	NEI9008:S17c21-091-001/LH287	06TPX0730	6	9	4		
161	NEI9008:S17c21-165-001/LH287	06TPX0729	8	9	4		
162	PE001n16F2S2-239 x LH198	02TPX00129	7	9	3		
163	UR05017:S0415-180-002-B-B\BR51675:N0620-053-001-B-B	06GEM02360	7	1	3		
164	UR05017:S0415-180-002-B-B\CH05015:N1204-057-001-B-B-B	06GEM02362	6	1	3		
165	UR05071:S0415-180-002xLH185	04TPX0316	6	1	4		

166	UR05071:S0415-187-001xLH185	04TPX0317	6	1	3		
167	UR11003:S0302-1011-001-B-B-B\AR17056:N2035-421-001-B-B	06GEM02359	5	1	3		most tops broken
168	UR11003:S0302-1011-1-B/LH185	03TPX0716	3	1	3		
169	UR11003:S0302-937-1-B/LH185	03TPX0713	4	1	7		
170	UR13085:N0215-14-1-B x LH198	02TPX00147	6	9	4		
	Breeding Crosses (Entries 171-250)						
171	AR13035:S11b46	06GEM80066	5	9	4		
172	AR16042:S2028	06GEM80056	4	1	5		
173	AR16042:S2030	06GEM80064	4	1	6		
174	AR17026:S1648	06GEM80052	5	1	5		
175	AR17056:N2016	03GEM80044	6	9	3		
176	BR105:(NEI9004)	07GEM80002	8	1	m		
177	BR105:N(G35)(LH39)	06GEM80076	6	1	6		
178	BR105:N(PHZ51)	07GEM80005	6	1	5		
179	BR105:N1646	06GEM80068	8	1	6		
180	BR105:N16a16b	03GEM80043	8	1	5		
181	BR105:S(B47)	07GEM80004	8	9	4		
182	BR105:S1634	06GEM80059	7	1	6		
183	BR106:(NEI9004)	07GEM80001	7	1	m		
184	BR106:N(PHZ51)	07GEM80007	8	1	6		
185	BR106:S(B47)	07GEM80006	8	1	6		
186	BR106:S(LH132)(B47)	06GEM80074	7	1	2		
187	BR51501:N11a08bT47	06GEM80025	7	1	4		
188	BR51675:D27S21	06GEM80023	7	9	4		
189	BS20(S)C2:S(CUBA117:S1520-156-1-B-B)	06GEM80078	6	1	5		
190	CH05015:N1204-057-001-B-B-B\BR51675:N0620-033-001-B-B	06GEM02350	5	1	4		
191	CHIS462:N08a(LH123)	05GEM80112	7	1	3	seg flecker	
192	CL-00331:N1834	06GEM80062	5	1	6		
193	CL-G1607:S13	05GEM80150	6	1	5		
194	CML312:S17c	98GEM80045	8	1	5		
195	CML323:N1546	05GEM80132	7	9	4		
196	CML329:N1834	06GEM80060	7	9	6		
197	CML329:S13	05GEM80154	7	9	5		
198	CUBA164:(NEI9004)	07GEM80003	8	1	m		
199	CUBA164:N(PHZ51)	07GEM80008	6	1	5		

200	CUBA164:S(B47)	07GEM80009	8	1	5		
201	CUBA164:S2008dT47	06GEM80026	6	1	7		
202	DE6\DKXL212:N11a-139-001-001-B-B-B-B-B	06GEM02351	7	9	7		
203	DK212T:S0640	06GEM80081	6	1	5		
204	DKB844:S1612	95GEM80141	6	1	3		
205	DKXL212:S0928	06GEM80058	4	1	6		
206	GEMS-0002\GEMS-0003	06GEM02349	7	1	6	fine flecker	
207	GEMS-0002\UR05017:S0415-180-002-B-B	06GEM02352	5	1	5		
208	GUAT209:N11c46	06GEM80070	7	1	8		
209	MDI022:N(G35)(LH39)	06GEM80077	6	1	3		
210	MDI022:S(LH132)(6103)	06GEM80073	7	9	5		
211	NS1:S0834	06GEM80061	5	1	5		
212	SANM126:N1221	06GEM80024	6	1	3		
213	SANM126:N1240	06GEM80082	6	9	6		
214	UR01089:S0548	06GEM80054	7	9	5		
215	UR11002:S14(GEMS-0006)	06GEM80012	6	1	3		
216	UR11002:S1446	06GEM80072	6	9	6		
217	UR13085:N0215-002-001-B-B-B\AR17056:N2025 Select # 10-B-B-B-B-B	06GEM02353	6	9	3		
218	UR13085:S(N28)(CUBA117:S1520-156-1-B-B)	06GEM80079	6	1	5		
219	UR13085:S(N28)(GEMS-0002)	06GEM80011	6	1	6		
220	UR13088:S0607	95GEM80109	2	1	5	pmd	
221	BR105:S1612	04GEM80048	7	1	5		
222	MDI022:N21(LH123)	05GEM80118	8	1	6		
223	ANTIG03:N1216	95GEM80444	8	1	4		
224	AR03056:N0902	95GEM80112	8	1	4		
225	AR03056:N1625	95GEM80112	7	1	4		
226	AR03056:N1630a	00GEM80056	5	1	5		
227	AR13026:N08a04	95GEM80189	4	1	5		
228	AR16021:S08a01	95GEM80089	4	1	6		
229	AR16021:S3115	99GEM80093	5	9	7		
230	AR17056:S1217	95GEM80086	4	1	4		
231	BR51039:S1540	04GEM80044	5	1	5		
232	BR51501:N11a08d	95GEM80172	6	9	6		
233	BR51501:N11a08f	01GEM80037	6	9	5		
234	CUBA164:T26bS41	02GEM80012	8	9	7		
235	DK212T:N11a10	05GEM80095	7	9	3		

236	DKB830:N11b15	99GEM80132	7	9	6		
237	DKB844:N11b18	95GEM80143	7	1	6		
238	DKXL370:S08c17c	04GEM80060	6	1	6		
239	DKXL380:S08a15	95GEM80134	6	1	5		
240	FS8A(S):S0915	95GEM80115	4	1	6		
241	FS8B(T):N11a19	95GEM80122	5	1	4		
242	NEI9004:S2817c	04GEM80057	4	1	3		
243	SCROGP3:N3215	99GEM80105	5	1	4		
244	UR05017:S0414	04GEM80034	4	1	4		
245	UR10001:N1702	95GEM80124	6	1	3		
246	UR10001:N1708e	04GEM80036	6	9	4		
247	UR10001:S1816	03GEM80045	5	1	5		
248	UR11002:S1409	95GEM80217	4	1	5		
249	UR13010:N0613	95GEM80215	4	1	5		
250	UR13085:N0204	95GEM80103	4	1	5		