

TABLE 4.1 RECOMMENDED LIST TRIALS 1995 YIELD OF GRAIN (continued)

Fungicide treated trials at 15% moisture in t/ha

VARIETY	MEAN	NI	NI	ES	ES	ES	NS	NS	NS	WS
		10	14	2	3	4	2	3	4	1
BRIGADIER	9.64	9.65	10.46	12.09	11.13	11.94	9.49	8.63	9.19	6.81
HEREWARD	8.54	8.68	9.64	10.82	9.71	10.48	8.10	8.00	8.05	5.41
HUNTER	9.25	8.38	8.72	11.69	11.28	11.96	9.18	8.24	8.79	6.97
HUSSAR	9.54	9.35	10.28	11.64	10.89	11.72	10.10	8.72	8.67	7.19
RIBAND	9.32	9.30	9.92	12.03	11.46	12.56	9.06	8.73	8.71	7.21
BEAVER	9.20	8.96	10.17	11.64	11.25	11.92	*	7.64	8.65	7.65
HAVEN	9.63	8.95	10.02	11.69	11.77	12.14	*	*	9.14	7.36
MERCIA	8.50	8.90	8.90	10.26	9.62	10.53	7.94	8.03	7.91	6.84
CADENZA	8.57	8.78	9.98	10.94	10.02	10.97	7.68	7.74	7.68	6.07
GENESIS	8.86	9.24	9.39	11.27	10.04	11.07	8.15	8.59	7.98	6.11
SPARK	8.58	9.32	9.34	9.86	9.85	10.68	8.58	7.94	8.15	5.92
FLAME	8.88	9.23	8.97	10.69	10.53	11.02	8.96	8.60	8.47	6.31
RIALTO	9.49	9.37	10.37	11.79	11.25	11.69	8.86	9.14	8.71	7.04
PROPHET	8.75	8.76	9.51	10.64	10.06	10.65	8.88	8.29	7.78	6.93
BEAUFORT	9.48	9.28	10.02	11.71	11.40	11.63	9.40	9.22	9.47	7.16
CONSORT	9.55	10.28	10.36	11.86	11.44	12.19	9.67	9.37	8.94	7.29
DYNAMO	9.27	9.41	10.26	11.43	11.25	12.10	9.29	8.97	8.65	6.43
SOISSONS	8.63	8.71	9.43	10.75	9.52	10.75	8.75	9.05	7.94	5.99
CAXTON	8.84	8.67	9.56	11.38	10.62	11.19	8.57	7.64	8.17	6.33
REAPER	9.64	9.58	10.04	12.03	11.38	11.67	9.69	8.87	9.22	7.32
RALEIGH	9.48	8.85	9.89	11.83	11.70	12.48	8.91	8.91	8.94	7.87
CHARGER	9.67	9.41	10.05	12.05	11.19	11.80	*	*	8.74	7.05
MAGELLAN	9.14	9.26	9.91	11.35	10.67	11.49	8.85	9.03	9.06	6.75
CHIANTI	9.52	9.23	10.37	11.43	11.54	11.49	8.92	10.17	8.73	6.76
ENCORE	9.28	8.22	9.15	11.42	11.15	12.01	9.05	8.73	8.65	7.27
TURPIN	9.57	9.29	10.41	11.40	*	*	9.84	*	*	*
BUSTER	9.29	9.27	*	11.77	*	*	*	*	*	*
RITMO	9.45	*	*	11.62	*	*	*	*	*	*
VIVANT	9.69	*	*	12.08	*	*	*	*	*	*
GALATEA	9.12	*	*	10.68	*	*	*	*	*	*
CROFTER	9.60	*	*	11.46	*	*	9.23	*	*	*
SHANGO	9.90	*	*	*	*	*	*	*	*	*
LSD (PAIRWISE)	0.642	0.661	0.383	0.413	0.563	0.371	0.626	0.999	0.886	0.794

SE (VTY MEAN)	0.1095	0.2318	0.1342	0.1440	0.1900	0.1250	0.2150	0.3350	0.2990	0.2680
CV(%)	5.8	4.1	2.3	1.6	2.5	1.4	2.9	5.0	4.5	5.1

TABLE 4.2 RECOMMENDED LIST TRIALS 1995: YIELD OF GRAIN

Fungicide treated trials at 15% moisture in t/ha

STANDARDIZED RESIDUALS (10 * (OBSERVED-FITTED)/SD)

. NS 3	SD	N	EC	EC	WC	WC	WC	WC	EE	EE	EE	EE	S	S	S	SW	NI	NI	ES	ES	ES	NS	
VARIETY	RATIO	10	10	11	10	11	12	13	10	11	12	13	11	12	13	10	10	14	2	3	4	2	
BRIGADIER 12	1.0	-10	-3	2	5	-0	-5	-1	-3	4	9	2	-4	35?	6	-11	2	5	8	-4	0	2	-
HEREWARD 1	0.9	-5	11	-18?	4	5	11	2	7	-2	-1	2	0	9	-12	3	4	11	2	-14	-11	-7	-
HUNTER 14	1.1	0	3	11	6	2	-4	5	-7	4	-9	-7	3	14	-5	-8	-23?	-33?	5	8	9	2	-
HUSSAR 7	0.7	-9	-7	2	9	3	10	-2	-2	-4	3	3	9	-1	6	-5	-4	2	-2	-8	-3	20?	-
RIBAND 2	1.0	-19?	-4	2	-10	-6	-10	-11	2	-3	-13	10	-1	0	14	1	1	-1	14	13	25?	-1	-
BEAVER 28?	1.2	10	-20?	2	9	-3	-2	-7	-10	-4	5	-3	-6	-19?	1	6	-6	7	6	9	10	*	-
HAVEN *	0.8	17?	-3	6	2	-0	-10	-4	-7	1	2	-10	-4	-2	14	5	-17?	-7	-3	13	5	*	
MERCIA 2	1.2	-14	5	0	-3	1	17?	4	-2	1	-12	12	-2	24?	-19?	19?	13	-6	-10	-14	-7	-9	
CADENZA 8	1.3	22?	12	-1	-23?	-1	-10	11	-22?	17?	22?	-4	1	-15	6	-4	7	20?	5	-6	2	-18?	-
GENESIS 6	0.8	5	4	6	-2	3	-11	4	10	12	4	0	-3	0	-6	-1	11	-4	6	-13	-3	-14	
SPARK 2	1.2	-6	5	-10	-6	-4	6	-9	7	-11	14	27?	3	5	18?	-5	22?	3	-23?	-10	-5	6	-
FLAME 6	0.8	6	6	-5	2	-4	0	-7	2	-2	4	19?	-0	-9	-7	3	11	-15	-10	-0	-4	8	
RIALTO 5	0.8	23?	-4	-4	3	3	-8	4	-5	11	-1	5	-7	-8	5	-4	-2	6	3	3	-3	-11	
PROPHET 2	0.9	-7	9	-0	-16?	4	3	6	-6	13	15	-1	8	-6	-10	-2	2	3	-8	-9	-11	9	
BEAUFORT 7	0.8	18?	-8	4	6	-3	-3	-0	-2	3	-4	-7	-15	-18?	6	-0	-4	-3	1	7	-5	3	
CONSORT 8	1.1	-18?	-2	5	5	-12	9	-21?	4	-11	-7	7	-12	-10	9	-17?	20?	3	3	5	8	8	

DYNAMO 5	0.8	13	2	8	3	-7	-3	-8	-12	-17?	-1	2	-6	-5	-8	4	4	8	-1	8	13	5	
SOISSONS 23?	1.3	9	13	-2	-9	-19?	9	9	1	3	-23?	-3	8	11	-27?	-3	2	2	-3	-22?	-7	7	
CAXTON 19?	1.1	13	3	3	-14	8	3	12	-3	11	-2	-11	3	-5	-33?	8	-5	0	8	1	-0	-3	-
REAPER 6	0.9	-7	-5	1	1	-0	-9	-9	6	-11	-3	-8	6	24?	8	15	0	-6	6	3	-7	7	-
RALEIGH 1	1.1	2	-15	5	9	7	-5	1	-4	3	-4	-15	-7	2	15	-11	-15	-6	5	15	19?	-9	-
CHARGER *	0.8	10	-5	11	4	14	3	2	4	5	-6	-9	2	10	-15	0	-6	-8	5	-4	-5	*	
MAGELLAN 11	0.6	-5	-8	-5	5	-5	-0	-4	1	-10	-4	3	8	-4	-4	6	4	3	1	-4	1	-2	
CHIANTI 32?	1.3	-14	-6	-16?	-1	16?	-2	2	6	-19?	6	24?	15	1	2	7	-6	6	-6	10	-8	-10	
ENCORE 2	1.0	5	3	*	7	*	-7	-1	-1	*	-0	-0	*	*	8	*	-29?	-23?	-3	3	9	-2	-
TURPIN *	0.7	2	-2	*	-9	*	-2	-4	1	*	9	4	*	*	-0	*	-6	5	-9	*	*	13	
BUSTER *	0.9	5	9	*	-10	*	4	-3	9	*	*	-14	*	*	-10	*	0	*	8	*	*	*	
RITMO *	0.6	2	*	-9	-3	*	*	*	*	*	5	-3	*	*	8	*	*	*	-0	*	*	*	
VIVANT *	0.6	2	*	-3	3	*	*	*	*	*	-7	-7	*	*	7	*	*	*	6	*	*	*	
GALATEA *	1.2	-9	*	-3	5	*	*	*	*	*	*	18?	*	*	7	*	*	*	-16?	*	*	*	
CROFTER *	0.7	*	*	2	*	*	*	*	10	*	*	*	*	*	*	*	*	*	-8	*	*	-4	
SHANGO *	*	*	*	-5	*	*	*	*	5	*	*	*	*	*	*	*	*	*	*	*	*	*	

. 1.3	SD RATIO	1.2	0.8	0.7	0.8	0.8	0.9	0.8	0.7	1.0	1.0	1.1	0.7	1.4	1.5	0.8	1.2	1.1	0.8	1.0	0.9	0.9
61	CORR. COEFF.(X 100)	76	75	89	90	86	71	72	85	66	71	56	80	64	82	75	44	62	86	92	85	83
1.0	VARIETY F RATIO SIG	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
5.0	COEFF. OF VARIAT. %	3.3	2.0	2.2	2.8	2.6	4.2	2.6	2.7	2.0	3.0	4.2	3.2	7.1	1.6	4.7	4.1	2.3	1.6	2.5	1.4	2.9
0.58	TRIAL MEAN-GRAND MN	1.26-0.84	1.17-0.24	0.42-1.45	2.05	0.61	1.41-0.03	1.75-0.06	2.06	1.16-0.12	0.07	0.62	2.20	1.63	2.33-0.23-							

TABLE 4.2 RECOMMENDED LIST TRIALS 1995: YIELD OF GRAIN (continued)

Fungicide treated trials at 15% moisture in t/ha

STANDARDIZED RESIDUALS (10 * (OBSERVED-FITTED)/SD)

. VARIETY	SD RATIO	NS 4	WS 1
BRIGADIER	1.0	5	-10
HEREWARD	0.9	2	-20?
HUNTER	1.1	2	2
HUSSAR	0.7	-6	2
RIBAND	1.0	0	8
BEAVER	1.2	1	22?
HAVEN	0.8	3	4
MERCIA	1.2	1	21?
CADENZA	1.3	-7	-2
GENESIS	0.8	-7	-9
SPARK	1.2	5	-6
FLAME	0.8	5	-4
RIALTO	0.8	-4	-1
PROPHET	0.9	-9	16?
BEAUFORT	0.8	16?	3
CONSORT	1.1	-1	4
DYNAMO	0.8	-1	-12
SOISSONS	1.3	-4	-8
CAXTON	1.1	-3	-4
REAPER	0.9	6	3
RALEIGH	1.1	2	22?
CHARGER	0.8	-9	-6
MAGELLAN	0.6	14	0
CHIANTI	1.3	-4	-8
ENCORE	1.0	-2	9
TURPIN	0.7	*	*
BUSTER	0.9	*	*
RITMO	0.6	*	*
VIVANT	0.6	*	*
GALATEA	1.2	*	*
CROFTER	0.7	*	*
SHANGO	*	*	*
. SD RATIO		0.7	1.1

CORR. COEFF.(X 100)	88	74
VARIETY F RATIO SIG	5.0	1.0
COEFF. OF VARIAT. %	4.5	5.1
TRIAL MEAN-GRAND MN	-0.62	-2.39

TABLE 4.3 RECOMMENDED LIST TRIALS 1996 YIELD OF GRAIN (continued)

Fungicide treated trials at 15% moisture in t/ha

VARIETY	MEAN	NI	ES	ES	ES	NS	NS	WS
		14	2	3	4	2	3	1
BRIGADIER	10.24	9.92	11.50	11.71	11.19	8.83	9.46	8.99
HEREWARD	9.34	9.89	10.31	10.50	8.96	7.42	8.63	7.55
HUNTER	10.10	9.47	11.45	11.48	10.36	9.06	8.92	8.61
HUSSAR	10.10	9.74	11.30	11.06	10.59	8.88	9.28	8.85
RIBAND	10.08	9.53	11.53	11.89	10.80	8.72	10.18	8.65
MERCIA	9.10	*	10.38	10.88	10.06	7.73	8.56	7.68
CADENZA	9.50	9.43	10.84	10.80	10.28	8.27	8.70	7.94
GENESIS	9.48	*	10.92	*	*	8.21	*	*
SPARK	9.33	*	10.74	*	*	8.57	*	*
FLAME	9.77	9.85	10.78	*	*	7.85	*	*
RIALTO	10.30	10.16	11.52	*	*	8.69	*	*
BUSTER	10.04	10.26	11.00	11.37	10.49	8.40	8.69	8.40
BEAUFORT	10.48	9.68	11.59	11.90	10.52	8.64	9.19	9.02
CONSORT	10.10	10.30	11.34	11.51	10.55	8.92	9.65	8.49
DYNAMO	10.14	9.69	11.79	11.91	11.03	7.41	9.24	8.13
ENCORE	10.18	9.76	11.63	11.56	10.43	9.20	9.11	8.77
SOISSONS	9.64	9.88	11.06	11.17	9.97	8.41	8.48	8.40
CAXTON	9.84	9.52	11.61	11.39	10.78	7.63	8.64	8.20
CHARGER	10.34	9.36	11.59	12.40	10.97	8.78	9.79	9.02
CHIANTI	10.10	9.20	11.42	11.33	11.01	9.18	9.28	9.11
MAGELLAN	9.77	9.42	11.31	10.94	10.12	8.05	8.44	8.24
RALEIGH	10.23	9.22	11.53	11.77	10.50	8.82	8.95	9.43
REAPER	10.25	9.06	11.56	11.98	10.45	8.51	9.21	8.91
EQUINOX	10.45	9.20	12.36	11.78	11.31	8.58	9.70	8.23
CROFTER	10.20	9.35	11.69	11.74	11.20	8.99	9.69	9.11
ABBOT	9.98	9.76	11.41	11.05	10.06	8.45	7.97	8.59
DRAKE	10.22	9.06	11.50	11.74	10.36	8.85	8.53	8.81
HARRIER	10.27	9.62	11.14	11.72	10.64	8.77	9.80	9.65
MADRIGAL	10.22	10.02	12.06	11.63	10.98	8.86	9.18	8.72
RITMO	9.90	*	11.06	*	*	*	*	*
SHANGO	9.94	*	11.22	*	*	8.60	*	*
VIVANT	9.89	*	11.48	*	*	8.28	*	*
Z 94/2P	10.61	*	12.09	*	*	9.11	*	*
ADMIRAL	10.71	*	*	12.17	*	*	*	*
SLEJPNER	10.33	*	*	*	10.84	*	*	*

LYNX *	9.94	*	11.34	*	*	8.49	*	8.43
LSD (PAIRWISE)	1.084	0.693	0.564	0.521	0.615	0.748	0.602	0.789
SE (VTY MEAN)	0.1424	0.2430	0.1970	0.1730	0.2040	0.2620	0.2010	0.2620
CV(%)	6.7	4.4	2.1	1.8	2.4	3.7	2.7	3.8

CAXTON 6	1.3	14	-10	-6	12	9	15	10	-3	-6	-28?	-17?	1	-8	-12	18?	3	10	2	10	-20?	-7	-
CHARGER 3	1.0	14	-3	5	-5	1	15	-7	10	-7	-18?	1	-2	-6	*	-12	-13	-2	17?	3	-2	11	
CHIANTI 11	0.9	-17?	10	9	-9	0	-6	-5	-2	7	-8	-1	6	-7	5	-8	-11	-1	-5	10	14	3	
MAGELLAN 3	0.9	-15	5	2	0	2	-18?	1	10	3	5	11	11	-12	9	4	2	5	-7	-5	-7	-10	-
RALEIGH 17?	1.0	-4	2	19?	-3	7	2	-11	2	6	-2	2	-14	5	17?	-10	-14	-1	3	-6	2	-8	
REAPER 2	0.8	2	-9	11	-7	-6	2	13	1	-3	11	-2	0	6	1	4	-19?	-1	7	-9	-8	-3	
EQUINOX 21?	1.0	-5	-9	2	5	5	2	0	3	18?	2	10	-4	6	-7	-8	-21?	14	-3	9	-11	5	-
CROFTER 7	1.6	15	5	7	2	-19?	-11	-15	-37?	-22?	15	-0	-11	-25?	21?	10	-12	2	1	11	5	9	
ABBOT 1	1.0	10	-3	5	21?	3	-0	0	4	-0	9	6	-7	-13	-2	4	6	2	-10	-12	-2	-28?	
DRAKE 0	0.9	0	10	12	1	-7	-5	-2	1	-0	5	1	2	5	22?	-5	-18?	-2	2	-10	2	-19?	
HARRIER 21?	1.0	-18?	2	5	-11	-8	-13	-3	4	7	0	9	-7	11	13	1	-5	-12	0	-4	-1	13	
MADRIGAL 2	0.7	-7	6	5	-10	4	-7	0	-5	11	-4	-10	-2	-4	-12	12	7	13	-1	6	3	-2	-
RITMO *	0.9	-6	*	-1	-2	*	*	*	*	*	*	*	*	19?	*	*	*	-4	*	*	*	*	
SHANGO *	0.9	*	-11	-12	*	*	*	*	*	10	*	*	*	10	*	*	*	-1	*	*	4	*	
VIVANT *	0.6	-9	*	0	-1	*	*	*	*	*	*	*	*	7	*	*	*	6	*	*	-4	*	
Z 94/2P *	0.6	*	2	-7	*	*	*	*	*	-6	*	*	*	9	*	*	*	4	*	*	-1	*	
ADMIRAL *	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	*	*	*	
SLEJPNER *	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	0	*	*	
LYNX * 2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	*	*	1	*	-
. 0.9	SD RATIO	1.2	0.8	0.8	1.3	0.9	1.0	0.9	1.3	1.0	1.3	1.0	0.7	1.0	1.1	0.9	1.3	0.6	0.7	0.9	1.0	1.2	
CORR. COEFF.(X 100) 74		69	85	86	47	69	80	77	65	74	69	70	69	83	65	46	-18	86	81	69	61	55	
VARIETY F RATIO SIG 1.0		0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0	0.1	0.1	1.0	5.0	0.1	0.1	0.1	0.1	0.1	

COEFF. OF VARIAT. %	3.5	3.3	1.9	5.8	2.6	3.7	2.9	2.9	2.1	4.8	3.6	4.8	1.6	1.9	3.8	4.4	2.1	1.8	2.4	3.7	2.7	
3.8																						
TRIAL MEAN-GRAND MN	-0.05	0.48	0.42	-0.14	-0.41	-1.55	0.85	0.23	0.98	-2.10	2.40	-4.04	2.41	-0.11	0.90	-0.41	1.32	1.48	0.52	-1.52	-0.95	-1.43

2.7 CV(%) 5.5 4.0 2.9 2.6 2.8 1.4 5.8 3.5 5.5 3.0 4.3 2.2 4.1 2.9 2.7

TABLE 4.5 RECOMMENDED LIST TRIALS 1997: YIELD OF GRAIN (continued)

Fungicide treated trials at 15% moisture in t/ha

VARIETY	MEAN	W	NI	ES	ES	ES	NS	NS	NS	WS
		13	14	2	3	4	2	3	4	1
BRIGADIER	9.01	7.36	9.93	9.51	10.35	10.77	8.29	8.09	8.06	6.45
HEREWARD	8.29	7.46	9.21	8.23	8.74	8.80	6.30	7.77	6.95	5.06
RIALTO	9.32	8.00	9.99	9.40	10.83	10.50	8.54	8.76	8.48	6.93
HUSSAR	9.04	7.56	10.02	9.65	9.98	10.66	8.38	8.37	9.02	7.12
RIBAND	9.01	6.84	9.77	9.44	10.64	10.71	7.40	*	8.44	5.99
HUNTER	8.71	7.13	10.03	9.61	9.60	10.24	8.73	8.46	8.31	*
MERCIA	7.57	6.41	*	8.36	8.47	9.25	6.70	6.82	7.80	*
CADENZA	8.86	6.89	*	8.52	*	*	6.87	*	*	*
SPARK	8.26	7.21	8.99	8.46	*	*	7.47	*	*	*
BUSTER	8.80	7.16	9.13	8.75	*	*	7.76	*	*	*
BEAUFORT	9.14	7.58	9.79	9.47	10.05	10.79	8.49	8.79	8.61	6.55
CONSORT	9.18	7.09	10.13	9.81	10.60	10.40	8.73	8.02	8.82	6.30
DYNAMO	8.81	7.42	9.49	9.07	10.09	10.12	8.08	8.40	6.76	5.45
ENCORE	8.75	7.25	9.66	9.30	9.62	10.31	8.08	8.29	8.66	6.72
SOISSONS	8.04	6.31	*	8.17	*	*	7.91	*	*	*
CAXTON	8.63	7.50	8.93	8.89	10.10	10.01	5.86	8.80	7.31	5.65
REAPER	8.84	8.04	10.18	8.87	9.29	9.79	5.76	7.90	7.92	6.61
CHARGER	8.89	7.67	10.30	8.94	9.92	9.87	7.81	8.50	8.75	6.83
EQUINOX	9.00	7.82	9.52	8.87	9.67	10.62	4.32	8.53	8.71	6.66
CROFTER	8.72	8.01	10.16	8.87	8.61	10.50	7.98	8.07	8.09	6.45
ABBOT	8.55	6.95	9.85	8.86	9.43	9.66	8.12	8.24	8.12	6.93
DRAKE	8.95	7.85	10.22	9.33	9.75	10.34	8.06	8.35	8.26	6.56
HARRIER	9.25	8.03	9.97	9.77	10.40	10.46	8.93	8.81	8.43	6.82
MADRIGAL	9.35	7.75	9.24	10.12	10.14	10.62	9.54	9.04	9.11	6.25
SAVANNAH	9.34	7.86	9.03	10.07	10.87	10.85	8.56	8.67	8.51	6.47
CANTATA	9.13	7.55	9.95	9.10	10.15	10.64	7.31	8.98	8.63	7.12
BLAZE *	9.43	7.77	10.13	9.74	10.23	10.64	9.49	8.93	*	7.08
MAVERICK	9.04	8.18	10.17	8.74	9.66	10.37	6.13	8.06	8.75	6.52
CHAUCER	8.99	7.35	10.57	9.46	9.77	10.77	7.21	7.77	8.49	5.96
LSD (PAIRWISE)	0.310	0.320	0.902	0.423	0.591	0.373	0.667	0.499	0.847	0.754
SE (VTY MEAN)	0.0991	0.1123	0.3180	0.1490	0.2000	0.1260	0.2340	0.1660	0.2810	0.2520
CV(%)	5.5	2.4	5.6	2.2	2.6	1.9	4.2	2.7	4.4	5.1

TABLE 4.6 RECOMMENDED LIST TRIALS 1997: YIELD OF GRAIN

Fungicide treated trials at 15% moisture in t/ha

STANDARDIZED RESIDUALS (10 * (OBSERVED-FITTED)/SD)

. NS . VARIETY 3	SD	N	EC	EC	WC	WC	WC	EE	EE	EE	EE	S	S	S	S	SW	W	NI	ES	ES	ES	NS	
	RATIO	10	10	11	10	11	12	10	11	12	13	10	11	12	13	10	13	14	2	3	4	2	
BRIGADIER 7	0.7	8	-4	1	4	4	-2	4	-1	-9	-1	-13	6	6	1	-15	-5	1	5	8	8	5	-
HEREWARD 1	1.1	-11	7	7	7	2	0	5	-10	0	11	5	14	11	-3	16?	12	1	-8	-11	-19?	-22?	
RIALTO 1	0.8	1	-6	2	-1	7	-10	15	-3	-17?	12	13	-2	-11	-3	-2	2	-4	-4	12	-4	3	
HUSSAR 2	0.8	8	-11	-3	-4	4	-6	-4	8	-8	-13	-3	12	-0	-9	-18?	-1	2	7	-1	5	6	-
RIBAND *	0.9	10	0	5	-8	4	-11	11	-10	14	12	0	-10	-7	5	0	-16	-2	3	14	7	-14	
HUNTER 7	0.8	1	-1	-8	-0	-8	3	-3	-13	-10	-9	3	8	-1	1	-10	-3	10	13	-1	3	20?	
MERCIA 4	1.0	-1	7	-8	-8	-0	-4	-23?	13	3	-16?	-16	-4	5	-6	16	5	*	10	-2	6	1	-
CADENZA *	1.1	-4	11	-0	-6	12	0	4	14	6	6	5	20?	-8	-0	-12	-11	*	-13	*	*	-22?	
SPARK *	0.9	-8	7	2	-13	-8	2	-10	8	-5	-12	3	10	-7	16?	10	8	-2	-1	*	*	3	
BUSTER *	0.8	-18?	1	5	11	-6	10	4	-4	-0	11	7	-10	4	-2	7	-5	-11	-7	*	*	-2	
BEAUFORT 5	0.6	-2	-5	-7	6	3	7	5	5	-4	11	-1	-12	-2	-9	-5	-3	-4	1	-1	6	6	
CONSORT 12	0.8	7	4	-4	-7	2	2	7	-1	12	5	-2	-13	-8	-1	-2	-14	2	7	9	-4	10	-
DYNAMO 3	1.0	-6	-7	5	16	-1	1	10	-11	16	-4	6	-7	0	6	4	-0	-4	-1	6	-2	4	
ENCORE 3	1.0	11	4	-8	-8	-7	-7	-11	5	-10	-27?	-2	22?	-2	1	-0	-2	1	6	-2	4	6	
SOISSONS *	0.9	12	-4	-0	12	-1	7	2	10	-7	4	-15	-8	3	-13	-7	-6	*	-3	*	*	17?	

CAXTON 15	1.1	9	3	5	7	2	2	4	4	-10	5	-3	-11	2	1	3	5	-13	-1	9	-1	-39?	-
REAPER 9	1.3	-5	3	3	-0	-2	8	-3	3	13	-20?	14	4	4	-6	13	11	8	-7	-12	-11	-46?	-
CHARGER 4	1.0	-6	2	5	-6	4	25?	-28?	-10	1	-0	-6	-3	-1	-4	0	4	11	-5	1	-9	-3	-
EQUINOX 0	1.9	-12	-8	-3	13	6	-7	8	8	2	11	7	-1	8	-1	2	2	-10	-11	-9	2	-81?	-
CROFTER 3	1.6	5	3	-4	-27?	-2	3	-37?	-19?	13	-27?	1	-6	0	32?	17?	13	10	-4	-24?	6	2	-
ABBOT 6	0.9	2	-2	-0	12	-9	1	-17?	1	-3	-1	-12	3	5	-17?	-2	-4	9	1	-2	-6	11	-
DRAKE 0	0.5	0	5	-2	-12	-1	2	-8	3	-5	-6	7	-1	1	4	-5	7	9	2	-3	0	1	-
HARRIER 3	0.7	1	5	-6	-7	-7	6	-0	2	-6	-25?	1	3	-4	5	3	4	-3	5	4	-4	13	-
MADRIGAL 6	0.8	-1	-7	1	0	0	7	3	-3	-4	7	-3	-7	0	3	-2	-4	-20?	11	-3	-2	24?	-
SAVANNAH 2	0.8	3	11	5	-4	6	-10	0	-5	3	-8	-4	0	-0	13	-6	-2	-25?	9	12	2	3	-
CANTATA 9	0.7	-5	-4	-4	12	-2	-4	4	-5	-7	10	2	2	-3	-4	8	-4	-1	-7	1	2	-19?	-
BLAZE * 2	0.9	4	-15	3	4	-5	-11	13	7	3	13	-5	-7	-1	3	-12	-5	-3	1	-3	-3	21?	-
MAVERICK 9	1.4	-4	2	-2	-10	-2	2	-9	1	12	-23?	12	23?	4	11	8	11	5	-13	-8	-2	-42?	-
CHAUCER 13	0.8	-5	-2	11	4	3	-5	1	-3	9	10	-3	3	4	-5	-5	-5	15	4	-4	8	-18?	-
. 0.7	SD RATIO	0.8	0.6	0.5	1.0	0.5	0.8	1.3	0.8	0.9	1.4	0.8	1.0	0.5	1.0	1.0	0.8	1.0	0.7	0.9	0.7	2.5	-
CORR. COEFF.(X 100) 75		77	74	88	66	89	70	78	65	72	65	85	60	82	75	51	69	30	77	76	79	32	-
VARIETY F RATIO SIG 0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	-
COEFF. OF VARIAT. % 2.7		4.0	2.9	2.6	2.8	1.4	5.8	3.5	5.5	3.0	4.3	2.2	4.1	2.9	2.7	2.7	2.4	5.6	2.2	2.6	1.9	4.2	-
TRIAL MEAN-GRAND MN 0.54		0.05	-0.08	-1.09	0.42	1.36	-0.58	1.41	-0.61	-0.37	0.30	1.36	1.98	-1.45	0.17	-0.51	-1.44	0.90	0.26	0.99	1.42	-1.20	-

TABLE 4.6 RECOMMENDED LIST TRIALS 1997: YIELD OF GRAIN (continued)

From fungicide treated trials at 15% moisture in t/ha

STANDARDIZED RESIDUALS (10 * (OBSERVED-FITTED)/SD)

.		97	97
.	SD	NS	WS
.	VARIETY	RATIO	4 1
BRIGADIER	0.7	-8	-0
HEREWARD	1.1	-16?	-15
RIALTO	0.8	-5	4
HUSSAR	0.8	11	13
RIBAND	0.9	0	-10
HUNTER	0.8	4	*
MERCIA	1.0	16?	*
CADENZA	1.1	*	*
SPARK	0.9	*	*
BUSTER	0.8	*	*
BEAUFORT	0.6	1	-1
CONSORT	0.8	5	-7
DYNAMO	1.0	-31?	-18?
ENCORE	1.0	10	11
SOISSONS	0.9	*	*
CAXTON	1.1	-17?	-10
REAPER	1.3	-9	5
CHARGER	1.0	9	10
EQUINOX	1.9	3	2
CROFTER	1.6	-3	4
ABBOT	0.9	3	19?
DRAKE	0.5	-2	3
HARRIER	0.7	-5	2
MADRIGAL	0.8	7	-11
SAVANNAH	0.8	-6	-7
CANTATA	0.7	1	11
BLAZE *	0.9	*	5
MAVERICK	1.4	5	-1
CHAUCER	0.8	2	-10
.	SD RATIO	1.1	1.0
CORR. COEFF.(X 100)		56	46
VARIETY F RATIO SIG		1.0	1.0

COEFF. OF VARIAT. % 4.4 5.1
TRIAL MEAN-GRAND MN -0.60-2.43

TABLE 4.7 RECOMMENDED LIST TRIALS 1998: YIELD OF GRAIN

Fungicide treated trials at 15% moisture in t/ha

VARIETY	MEAN	N	EC	EC	WC	WC	EE	EE	EE	EE	S	S	S	S	W	NI
		10	10	11	10	12	10	11	12	13	10	11	12	13	10	10
REAPER	9.59	10.13	10.85	10.07	10.21	10.62	10.56	11.15	10.05	10.35	9.85	10.18	11.13	9.57	8.49	8.22
HUSSAR	9.30	10.12	10.64	9.92	9.68	10.86	10.23	10.96	9.76	9.69	9.73	10.15	10.79	9.27	7.86	7.74
RIALTO	9.26	9.23	10.94	9.12	10.00	10.34	9.44	10.96	10.59	10.26	9.16	9.49	9.70	9.44	8.61	8.25
CONSORT	9.97	10.77	11.34	10.27	10.40	10.70	10.70	12.17	9.94	10.95	*	10.61	11.20	10.30	8.45	8.47
RIBAND	9.77	10.68	10.95	9.99	10.04	10.96	11.03	11.66	9.75	10.33	9.52	10.52	11.05	10.69	8.62	7.75
HEREWARD	8.53	9.25	9.83	8.62	9.04	9.45	9.08	9.98	9.15	9.69	9.06	8.84	9.25	9.34	7.45	8.02
SPARK	8.59	9.48	*	8.10	9.02	*	9.45	*	*	8.53	8.97	*	*	8.90	7.98	*
BUSTER	9.03	9.68	10.74	9.60	9.47	9.81	9.67	10.72	9.84	10.34	9.08	9.49	9.87	9.13	8.06	*
SOISSONS	8.64	8.72	*	8.79	8.92	*	*	*	*	9.45	8.98	*	*	8.23	7.71	*
SAVANNAH	10.13	11.20	11.34	10.52	10.99	11.72	11.22	12.24	10.37	10.75	10.13	10.94	11.52	10.22	9.21	8.16
HARRIER	9.56	9.85	11.11	9.88	10.44	10.97	10.37	11.39	10.20	9.94	9.58	10.68	11.12	9.44	8.42	7.71
MADRIGAL	9.67	10.84	11.19	10.54	9.92	10.79	10.42	11.94	9.89	10.73	9.73	10.08	10.77	9.52	8.33	7.71
EQUINOX	9.61	10.69	11.19	10.13	10.14	10.97	10.42	11.75	10.15	10.56	10.34	10.50	11.10	10.05	8.22	7.51
CHARGER	9.45	8.93	11.03	9.78	10.09	10.60	10.43	11.33	9.91	9.72	9.77	10.61	10.44	10.41	9.03	8.26
ABBOT	8.85	9.58	9.99	9.58	9.33	9.92	9.30	9.77	9.34	9.70	8.76	9.35	9.80	9.30	7.53	7.44
BRIGADIER	9.48	10.02	10.78	10.07	9.65	10.67	10.40	11.31	9.95	10.71	9.51	9.89	10.93	10.36	8.06	7.84
CADENZA	9.13	10.02	*	8.87	9.67	*	10.23	*	*	*	9.19	*	*	9.33	7.75	*
CAXTON	9.22	9.32	10.69	9.75	9.45	10.10	10.27	10.84	9.80	9.40	8.88	9.91	10.56	10.03	8.45	7.67
CANTATA	9.36	9.56	10.86	9.97	9.88	10.11	10.38	10.31	9.95	10.55	9.33	10.26	10.45	9.80	8.08	7.36
AARDVARK	9.49	10.04	10.72	9.82	10.19	10.39	10.24	10.31	10.38	10.24	10.02	10.04	10.57	10.51	8.39	7.77
BUCHAN	9.44	10.36	11.25	10.09	10.05	9.61	10.10	11.51	10.14	9.88	9.19	9.74	10.83	9.52	8.31	8.06
CLAIRE	9.60	9.71	10.62	10.29	9.25	10.99	10.95	12.01	9.30	10.21	9.69	10.50	10.87	10.80	8.12	8.79
MALACCA	9.48	10.81	10.62	9.63	9.41	10.48	10.49	11.65	9.62	9.94	9.30	9.91	10.77	9.97	7.98	8.71
SHAMROCK	8.83	9.79	10.51	9.28	9.99	9.72	9.52	10.22	9.28	9.79	9.35	9.07	9.40	9.34	7.72	8.02
SHANGO	9.73	10.27	11.24	10.28	9.88	10.53	10.97	11.82	10.17	10.41	9.70	10.01	10.96	9.93	8.35	8.76
BLAZE *	9.67	9.60	10.98	10.19	10.62	10.61	10.17	11.53	10.58	10.81	9.53	9.87	11.00	9.48	8.23	7.96
CHAUCER	9.55	10.87	10.77	10.21	9.73	10.72	10.95	11.48	9.75	10.49	9.48	10.33	10.43	10.02	8.09	8.04
MAVERICK	9.32	9.06	10.57	9.74	10.27	10.78	10.40	10.36	9.49	9.65	9.85	10.40	10.97	9.61	8.35	7.69
LSD (PAIRWISE) 0.428	0.337	0.563	0.657	0.376	0.319	0.525	0.276	0.595	0.600	0.587	0.329	0.430	0.570	0.282	0.421	
SE (VTY MEAN) 0.1500	0.0836	0.1976	0.2190	0.1319	0.1120	0.1829	0.0969	0.1983	0.2091	0.1989	0.1152	0.1499	0.2010	0.0991	0.1477	
CV(%) 3.1	4.2	3.3	3.0	2.3	1.9	2.8	1.5	2.6	3.5	2.6	2.0	2.3	3.6	1.6	3.0	

TABLE 4.7 RECOMMENDED LIST TRIALS 1998: YIELD OF GRAIN (continued)

Fungicide treated trials at 15% moisture in t/ha

VARIETY	MEAN	NI	ES	ES	ES	NS	NS	WS
		14	2	3	4	3	4	1
REAPER	9.59	8.51	9.86	9.05	9.69	9.06	7.11	6.35
HUSSAR	9.30	8.87	9.38	7.75	8.98	8.68	7.64	5.91
RIALTO	9.26	8.52	8.93	9.16	9.07	8.82	7.14	6.60
CONSORT	9.97	8.90	10.61	9.03	9.81	8.98	7.99	7.58
RIBAND	9.77	9.31	9.79	8.47	10.00	9.05	8.31	6.47
HEREWARD	8.53	7.68	8.07	7.97	8.43	7.79	5.84	5.88
SPARK	8.59	8.42	8.54	*	*	*	*	*
BUSTER	9.03	7.95	9.01	*	*	*	*	*
SOISSONS	8.64	8.29	9.21	*	*	*	*	*
SAVANNAH	10.13	8.31	10.35	9.16	10.26	9.16	7.86	7.21
HARRIER	9.56	8.72	9.25	8.80	9.47	9.22	7.20	6.44
MADRIGAL	9.67	8.03	9.63	8.94	9.51	9.49	7.30	7.39
EQUINOX	9.61	8.41	9.30	8.34	8.74	8.69	7.02	7.12
CHARGER	9.45	8.18	9.27	9.33	8.97	7.80	7.16	6.78
ABBOT	8.85	8.33	8.86	8.02	8.44	8.34	7.00	6.94
BRIGADIER	9.48	8.44	9.65	7.98	9.26	8.78	7.38	6.91
CADENZA	9.13	8.38	9.41	*	*	*	*	*
CAXTON	9.22	8.47	9.07	8.96	8.51	8.86	7.21	6.56
CANTATA	9.36	7.84	9.40	8.98	9.38	8.90	7.84	6.80
AARDVARK	9.49	8.24	9.14	8.75	9.31	8.99	7.63	7.21
BUCHAN	9.44	7.85	9.08	8.91	9.30	8.97	7.72	7.16
CLAIRE	9.60	8.68	9.40	8.75	8.83	9.10	7.39	6.92
MALACCA	9.48	9.18	9.62	8.68	8.73	8.24	7.27	7.45
SHAMROCK	8.83	7.69	8.33	8.04	8.48	7.62	6.49	6.70
SHANGO	9.73	8.54	10.24	8.74	9.75	9.19	7.15	7.10
BLAZE *	9.67	8.36	9.74	9.60	9.44	9.47	7.98	7.10
CHAUCER	9.55	8.74	9.72	8.11	9.13	8.71	7.05	7.24
MAVERICK	9.32	8.21	9.23	8.48	9.19	8.61	7.09	7.06
LSD (PAIRWISE)	0.337	0.863	0.577	0.283	0.603	0.630	0.947	0.882
SE (VTY MEAN)	0.0836	0.3030	0.2020	0.0950	0.2010	0.2110	0.3170	0.2960
CV (%)	4.2	6.1	2.7	1.4	2.8	3.4	5.6	5.9

TABLE 4.8 RECOMMENDED LIST TRIALS 1998: YIELD OF GRAIN

Fungicide treated trials at 15% moisture in t/ha

STANDARDIZED RESIDUALS (10 * (OBSERVED-FITTED)/SD)

. WS . VARIETY 1	SD	N	EC	EC	WC	WC	EE	EE	EE	EE	S	S	S	S	W	NI	NI	ES	ES	ES	NS	NS	
	RATIO	10	10	11	10	12	10	11	12	13	10	11	12	13	10	10	14	2	3	4	3	4	
REAPER 19?	0.7	-2	-4	2	3	-2	2	-7	0	0	4	-1	9	-10	2	3	-3	8	6	10	3	-9	-
HUSSAR 24?	1.0	5	-2	5	-3	13	1	-4	-1	-11	8	6	7	-11	-8	-2	14	2	-22?	-2	0	12	-
RIALTO 3	1.3	-18	8	-15	7	-0	-19?	-3	24?	7	-6	-11	-21?	-5	14	13	6	-9	19?	2	6	0	-
CONSORT 5	0.7	6	-0	-3	-1	-9	-4	12	-13	7	*	1	1	-0	-9	1	-2	19?	-4	3	-9	5	
RIBAND 20?	1.1	8	-6	-5	-6	3	10	3	-13	-5	-10	4	2	16	1	-14	14	1	-14	13	-2	19?	-
HEREWARD 2	1.0	4	-2	-8	1	-4	-8	-9	5	12	12	-8	-12	13	3	28?	4	-11	7	5	-2	-14	-
SPARK *	1.5	6	*	-26?	-3	*	-2	*	*	-24?	6	*	*	-3	14	*	20?	-3	*	*	*	*	
BUSTER *	0.7	1	9	4	-1	-8	-6	-3	10	16	-2	-4	-10	-7	6	*	-3	0	*	*	*	*	
SOISSONS *	1.3	-15	*	-7	-6	*	*	*	*	1	6	*	*	-21?	6	*	17	16	*	*	*	*	
SAVANNAH 10	1.0	12	-5	-1	10	14	5	8	-6	-4	-4	5	5	-7	7	-13	-24?	6	-5	10	-9	-4	-
HARRIER 15	0.8	-9	5	-2	11	9	-2	1	5	-10	-3	14	10	-13	1	-9	4	-8	1	5	9	-6	-
MADRIGAL 8	0.9	15	4	13	-6	1	-4	13	-6	9	-2	-6	-3	-14	-5	-13	-18?	-0	1	2	13	-6	
EQUINOX 2	1.0	13	5	3	1	8	-2	10	3	6	17	8	8	3	-6	-16	-6	-8	-13	-17	-7	-12	
CHARGER 4	1.3	-32?	4	-3	4	1	2	2	-1	-14	5	14	-6	16	20?	8	-9	-5	18	-7	-28?	-5	-
ABBOT 18	0.9	3	-7	9	-0	-0	-12	-24?	1	3	-6	-3	-7	3	-4	2	12	1	-1	-4	4	8	
BRIGADIER 0	0.7	-2	-3	5	-9	3	1	1	0	13	-3	-6	7	14	-7	-4	-2	5	-20?	1	-1	1	-

CADENZA *	0.8	7	*	-19?	1	*	6	*	*	*	-2	*	*	-5	-6	*	5	8	*	*	*	*	
CAXTON 3	0.9	-14	2	4	-7	-5	5	-5	4	-15	-12	2	4	13	11	-1	6	-3	15	-12	8	4	-
CANTATA 0	1.0	-12	2	5	1	-9	3	-24?	3	12	-4	7	-3	2	-3	-14	-16	1	11	7	5	17	-
AARDVARK 7	0.9	-2	-5	-3	5	-5	-4	-27?	12	-1	11	-2	-4	18?	2	-6	-8	-10	1	1	4	7	
BUCHAN 7	1.0	8	11	6	3	-25?	-7	7	6	-9	-11	-9	5	-8	0	3	-18	-10	6	3	4	11	
CLAIRE 3	1.3	-13	-10	8	-22?	9	13	17	-20?	-4	-0	8	2	24?	-8	19?	2	-5	-2	-14	5	-2	-
MALACCA 16	1.1	21?	-6	-6	-14	-1	5	12	-8	-7	-7	-4	4	5	-8	21?	20?	6	1	-13	-15	-1	
SHAMROCK 12	1.1	10	8	1	19?	-5	-5	-11	0	6	12	-10	-17	5	2	19?	-4	-13	0	-2	-15	-5	
SHANGO 2	0.8	-2	4	4	-9	-7	10	8	-0	-1	-4	-9	1	-4	-5	15	-6	15	-6	8	4	-12	-
BLAZE * 1	1.0	-19?	-2	3	13	-4	-11	2	13	11	-7	-11	4	-15	-8	-6	-9	2	19?	1	12	12	-
CHAUCER 7	0.9	20?	-5	7	-8	3	15	4	-7	6	-5	5	-8	4	-8	0	5	6	-18	-4	-5	-10	
MAVERICK 7	1.0	-25?	-5	-1	12	10	5	-21?	-9	-12	11	12	12	-2	5	-4	-5	-3	-2	2	-2	-3	
. 1.1	SD RATIO	1.4	0.6	0.9	0.9	0.9	0.8	1.3	1.0	1.0	0.8	0.8	0.9	1.2	0.8	1.3	1.2	0.8	1.2	0.8	1.0	1.0	
CORR. COEFF.(X 100) 51		67	83	87	76	80	88	83	58	74	74	83	88	70	74	26	45	86	52	80	70	73	
VARIETY F RATIO SIG 5.0		0.1	5.0	0.1	0.1	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	5.0	0.1	0.1	0.1	1.0	5.0	
COEFF. OF VARIAT. % 5.9		3.3	3.0	2.3	1.9	2.8	1.5	2.6	3.5	2.6	2.0	2.3	3.6	1.6	3.0	3.1	6.1	2.7	1.4	2.8	3.4	5.6	
TRIAL MEAN-GRAND MN		0.52	1.41	0.33	0.42	1.07	0.85	1.75	0.47	0.69	0.04	0.63	1.19	0.31	-1.22	-1.43	-1.03	-0.06	-0.76				

TABLE 4.9 NATIONAL LIST YEAR ONE TRIALS 1997

Yield of grain from fungicide treated trials at 15% moisture in t/ha

VARIETY	MEAN	EC1	WC1	EE1	EE3	EE5	S1	ES1	NS1
BRIGADIER	8.92	8.79	6.83	10.83	9.17	8.78	8.52	9.57	8.88
HEREWARD	8.08	8.35	*	9.84	9.01	8.18	8.13	7.79	6.44
RIALTO	9.34	9.47	7.87	10.77	10.20	9.48	9.09	9.47	8.34
HUSSAR	8.74	9.06	7.42	9.94	8.93	8.03	8.53	9.44	8.57
RIBAND	8.73	9.26	6.47	9.93	10.04	8.05	9.18	9.14	7.80
FLAIR	8.60	9.35	7.14	9.51	8.47	7.51	9.02	8.75	9.05
94.08	7.35	7.56	7.67	9.45	9.09	8.32	8.20	6.46	2.04
94.10	8.02	9.09	7.39	9.38	8.87	7.21	9.30	7.99	4.92
94.11	7.32	9.20	7.38	9.90	9.00	7.39	8.57	5.42	1.67
LD 86-11-E	8.51	8.79	6.68	9.51	9.68	8.15	8.98	8.47	7.78
PF 57218	8.53	8.54	7.20	9.68	8.69	8.40	8.66	9.20	7.84
NFC 19606	8.50	8.95	6.52	9.37	7.92	8.48	9.18	9.25	8.30
NFC 19602	8.16	8.90	7.00	8.98	7.92	8.10	8.99	8.59	6.84
NFC 19614	7.84	8.67	6.59	8.92	8.62	6.47	8.67	8.83	5.99
Z 196	8.50	8.96	6.88	9.25	8.27	7.33	9.31	9.76	8.24
Z 296	8.36	8.68	7.17	9.22	8.37	7.06	9.26	8.90	8.23
Z 396	8.68	9.18	7.12	9.97	9.33	8.72	8.76	8.41	7.95
Z 496	9.27	9.61	8.40	11.00	9.47	8.82	9.41	9.38	8.06
Z 596	9.20	8.75	7.41	10.95	9.70	8.83	9.06	10.07	8.82
Z 696	7.94	9.05	7.37	9.38	7.87	7.76	9.13	8.32	4.66
Z 796	7.77	8.57	6.80	8.92	9.37	8.68	8.71	6.05	5.07
NSL WW 14	7.95	8.60	7.75	8.75	8.70	7.26	8.25	8.43	5.86
NSL WW 15	8.75	9.05	6.79	10.32	9.32	8.50	8.98	9.10	7.98
NSL WW 16	8.64	9.02	7.91	10.53	9.88	8.78	8.47	9.11	5.42
NSL WW 17	8.07	8.17	6.77	8.30	7.89	7.42	9.03	8.67	8.30
NSL WW 18	8.52	9.12	6.22	10.11	9.39	8.56	8.61	8.81	7.36

NSL WW 19	8.60	8.84	7.63	9.51	9.48	8.30	8.38	9.20	7.50
LP 233.94	8.18	8.25	6.86	9.23	8.22	7.77	8.59	8.74	7.84
TAE 51317	8.58	8.69	7.28	10.22	8.35	7.74	9.11	9.16	8.08
CWW 96/47	8.32	9.01	7.36	9.42	8.74	7.64	8.93	8.30	7.19
CWW 96/48	8.56	9.31	7.82	10.00	8.69	8.16	9.00	8.56	6.92
CWW 96/119	7.89	8.71	7.60	9.40	8.97	7.97	8.95	8.23	3.28
CWW 96/17	9.42	9.27	7.96	10.91	9.88	8.87	9.37	10.01	9.10
CWW 96/20	8.90	8.83	8.31	9.89	9.60	8.85	8.95	9.11	7.64
CWW 96/21	8.29	8.98	7.19	10.35	10.10	8.54	8.81	8.10	4.23
CWW 96/39	7.83	9.26	7.66	8.48	8.23	7.71	8.96	7.83	4.48
CPBT W45	8.63	8.98	7.50	10.11	9.05	8.99	9.13	9.09	6.16
CPBT W46	8.50	9.18	7.29	9.63	8.30	8.50	9.46	9.09	6.57
CPBT W47	9.25	9.13	7.63	10.58	8.83	9.59	9.31	9.44	9.48
CPBT W48	9.33	9.01	8.16	10.78	10.28	9.85	9.13	9.20	8.27
CPBT W49	8.63	9.07	6.80	10.19	9.21	8.43	8.39	9.54	7.38
CPBT W50	8.08	8.73	6.64	10.37	8.90	7.72	8.60	8.97	4.71
CPBT W51	8.31	8.47	7.38	9.91	8.36	7.71	9.07	8.80	6.80
CPBT W52	9.20	9.37	8.13	10.90	9.78	9.36	9.46	9.53	7.09
HYB 95-125	9.11	9.06	7.38	10.47	9.25	9.16	9.21	9.31	9.07
21 R11	8.96	8.79	7.22	10.01	9.64	9.15	9.22	9.22	8.42
21 R 10	8.74	9.31	7.32	10.33	9.20	8.29	9.28	9.10	7.11
21 R20	8.21	8.52	7.40	9.25	7.54	7.23	8.73	9.25	7.72
NS 94/381	8.65	9.45	8.36	8.86	9.09	7.84	8.85	9.68	7.08
9745 VT	7.61	8.37	6.07	8.86	7.84	7.31	7.73	8.61	6.07
STRG 558-94	7.46	8.50	6.85	7.53	7.34	6.83	8.48	7.57	6.58
SWUW 96-3	7.71	8.41	6.14	8.64	7.71	5.97	8.32	8.55	7.90
SWUW 96-4	7.70	7.72	7.40	8.95	8.21	6.76	8.83	8.61	5.10
MEXICO	8.97	8.55	7.76	10.10	9.39	8.86	9.56	9.46	8.04
DAWN	7.69	8.06	6.08	10.09	8.70	6.98	6.76	8.55	6.28
MORTON	8.48	9.62	7.58	9.90	8.45	8.05	9.17	9.15	5.94
FD 94037	6.91	7.72	6.40	6.77	7.41	6.27	8.38	7.66	4.68
ELSOMS 96.13	8.54	8.41	7.26	9.80	8.52	7.86	9.27	9.44	7.77
LEGION	7.83	8.36	6.17	9.15	7.88	7.52	7.94	8.19	7.45

CPBT W40	8.84	9.60	8.13	10.32	8.59	8.50	9.31	9.22	7.02
LSD (PAIRWISE)	0.746	0.704	0.602	0.832	0.793	0.783	0.484	0.602	0.641
SE (VTY MEAN)	0.2594	0.2465	0.2108	0.2977	0.2777	0.2800	0.1694	0.2110	0.2250
CV(%)	8.7	3.5	3.7	5.6	4.0	6.4	2.3	3.2	4.8

TABLE 4.10 NATIONAL LIST YEAR TWO TRIALS 1997

Yield of grain from fungicide treated trials at 15% moisture in t/ha

VARIETY	MEAN	EC2	WC2	EE2	EE4	EE6	S2	ES2	NS2
BRIGADIER	8.93	9.16	7.57	10.91	9.07	8.04	8.88	9.51	8.29
HEREWARD	8.34	8.45	7.28	10.21	8.81	8.57	8.88	8.23	6.30
RIALTO	9.54	9.58	8.22	11.15	10.03	9.82	9.58	9.40	8.54
HUSSAR	9.00	9.30	7.61	10.42	9.23	8.24	9.14	9.65	8.38
RIBAND	8.92	9.68	6.63	10.35	9.37	8.90	9.58	9.44	7.40
WELLINGTON	9.68	9.72	8.82	11.57	9.42	9.31	10.07	9.91	8.63
RECORD	9.00	8.87	7.59	11.23	*	7.42	9.93	9.49	8.18
ARTIST	8.60	8.80	8.00	10.22	8.00	8.23	9.60	8.54	7.41
NSL WW-7	9.04	9.16	7.60	10.48	9.09	9.15	9.25	9.18	8.46
NSL WW-10	9.43	9.26	8.07	10.76	9.97	9.16	9.79	9.68	8.76
NSL WW-12	8.00	8.31	7.74	10.06	9.85	8.82	8.88	6.78	3.55
HUSKY	8.80	9.12	7.59	9.95	9.18	7.83	9.99	8.68	8.07
TWISTER	9.10	9.43	8.20	9.95	9.29	8.08	10.30	9.24	8.30
MARSHAL	9.80	9.86	8.36	11.50	10.19	9.14	10.12	10.05	9.19
FULCRUM	8.66	9.05	6.61	10.32	9.00	8.39	9.33	8.99	7.58
CWW 95/41	9.29	9.32	8.34	10.32	9.55	8.77	9.82	9.65	8.60
CWW 95/57	8.14	9.01	7.76	7.81	8.55	7.60	9.84	8.75	5.83
CWW 95/9	9.20	9.87	8.57	11.23	9.58	8.80	9.58	9.54	6.46
CWW 95/16	8.84	8.97	7.50	10.65	9.79	8.90	9.39	8.59	6.91
CWW 95/23	8.65	9.22	7.56	10.20	8.63	7.91	10.04	9.31	6.33
CWW 95/26	9.09	9.10	7.80	10.15	9.34	9.03	9.70	9.27	8.28
CWW 95/33	8.98	9.01	8.01	10.53	8.27	8.46	10.11	9.44	8.01
PENTIUM	7.53	8.83	6.71	8.69	8.13	7.55	9.40	7.29	3.67
SH 1752-92	8.90	8.91	8.14	10.00	9.52	9.30	9.09	8.56	7.69
NSL WW-13	8.73	9.01	7.76	10.30	8.59	8.18	9.45	8.65	7.89
CEBECO 954	7.32	6.72	6.75	7.58	8.07	6.91	9.74	8.14	4.68

LG-WW10	9.41	8.81	8.64	11.19	9.73	9.04	9.41	9.63	8.79
CPBT W37	9.40	9.90	7.93	10.62	9.41	8.86	9.60	10.17	8.75
CPBT W38	8.93	8.76	8.37	10.61	9.23	9.21	9.96	9.10	6.19
CPBT W39	8.86	9.04	7.78	10.75	8.89	7.60	9.85	9.28	7.68
CPBT W41	9.29	9.87	7.59	10.92	9.24	9.10	10.62	8.95	8.03
CPBT W43	8.68	9.35	8.52	10.65	9.38	9.04	9.27	8.45	4.82
NFC 19516	8.52	8.92	7.56	9.11	8.55	7.84	9.45	8.41	8.34
LSD (PAIRWISE)	0.646	0.57	0.577	0.621	0.902	0.742	0.714	0.423	0.667
SE (VTY MEAN)	0.2243	0.1974	0.2001	0.2213	0.3123	0.2646	0.2476	0.149	0.234
CV(%)	7.2	2.9	3.4	4.3	4.8	6	3.3	2.2	4.2

TABLE 4.9 NATIONAL LIST YEAR ONE TRIALS 1997

Yield of grain from fungicide treated trials at 15% moisture in t/ha

VARIETY	MEAN	EC1	WC1	EE1	EE3	EE5	S1	ES1	NS1
BRIGADIER	8.92	8.79	6.83	10.83	9.17	8.78	8.52	9.57	8.88
HEREWARD	8.08	8.35	*	9.84	9.01	8.18	8.13	7.79	6.44
RIALTO	9.34	9.47	7.87	10.77	10.20	9.48	9.09	9.47	8.34
HUSSAR	8.74	9.06	7.42	9.94	8.93	8.03	8.53	9.44	8.57
RIBAND	8.73	9.26	6.47	9.93	10.04	8.05	9.18	9.14	7.80
FLAIR	8.60	9.35	7.14	9.51	8.47	7.51	9.02	8.75	9.05
94.08	7.35	7.56	7.67	9.45	9.09	8.32	8.20	6.46	2.04
94.10	8.02	9.09	7.39	9.38	8.87	7.21	9.30	7.99	4.92
94.11	7.32	9.20	7.38	9.90	9.00	7.39	8.57	5.42	1.67
LD 86-11-E	8.51	8.79	6.68	9.51	9.68	8.15	8.98	8.47	7.78
PF 57218	8.53	8.54	7.20	9.68	8.69	8.40	8.66	9.20	7.84
NFC 19606	8.50	8.95	6.52	9.37	7.92	8.48	9.18	9.25	8.30
NFC 19602	8.16	8.90	7.00	8.98	7.92	8.10	8.99	8.59	6.84
NFC 19614	7.84	8.67	6.59	8.92	8.62	6.47	8.67	8.83	5.99
Z 196	8.50	8.96	6.88	9.25	8.27	7.33	9.31	9.76	8.24
Z 296	8.36	8.68	7.17	9.22	8.37	7.06	9.26	8.90	8.23
Z 396	8.68	9.18	7.12	9.97	9.33	8.72	8.76	8.41	7.95
Z 496	9.27	9.61	8.40	11.00	9.47	8.82	9.41	9.38	8.06
Z 596	9.20	8.75	7.41	10.95	9.70	8.83	9.06	10.07	8.82
Z 696	7.94	9.05	7.37	9.38	7.87	7.76	9.13	8.32	4.66
Z 796	7.77	8.57	6.80	8.92	9.37	8.68	8.71	6.05	5.07
NSL WW 14	7.95	8.60	7.75	8.75	8.70	7.26	8.25	8.43	5.86
NSL WW 15	8.75	9.05	6.79	10.32	9.32	8.50	8.98	9.10	7.98
NSL WW 16	8.64	9.02	7.91	10.53	9.88	8.78	8.47	9.11	5.42
NSL WW 17	8.07	8.17	6.77	8.30	7.89	7.42	9.03	8.67	8.30
NSL WW 18	8.52	9.12	6.22	10.11	9.39	8.56	8.61	8.81	7.36

NSL WW 19	8.60	8.84	7.63	9.51	9.48	8.30	8.38	9.20	7.50
LP 233.94	8.18	8.25	6.86	9.23	8.22	7.77	8.59	8.74	7.84
TAE 51317	8.58	8.69	7.28	10.22	8.35	7.74	9.11	9.16	8.08
CWW 96/47	8.32	9.01	7.36	9.42	8.74	7.64	8.93	8.30	7.19
CWW 96/48	8.56	9.31	7.82	10.00	8.69	8.16	9.00	8.56	6.92
CWW 96/119	7.89	8.71	7.60	9.40	8.97	7.97	8.95	8.23	3.28
CWW 96/17	9.42	9.27	7.96	10.91	9.88	8.87	9.37	10.01	9.10
CWW 96/20	8.90	8.83	8.31	9.89	9.60	8.85	8.95	9.11	7.64
CWW 96/21	8.29	8.98	7.19	10.35	10.10	8.54	8.81	8.10	4.23
CWW 96/39	7.83	9.26	7.66	8.48	8.23	7.71	8.96	7.83	4.48
CPBT W45	8.63	8.98	7.50	10.11	9.05	8.99	9.13	9.09	6.16
CPBT W46	8.50	9.18	7.29	9.63	8.30	8.50	9.46	9.09	6.57
CPBT W47	9.25	9.13	7.63	10.58	8.83	9.59	9.31	9.44	9.48
CPBT W48	9.33	9.01	8.16	10.78	10.28	9.85	9.13	9.20	8.27
CPBT W49	8.63	9.07	6.80	10.19	9.21	8.43	8.39	9.54	7.38
CPBT W50	8.08	8.73	6.64	10.37	8.90	7.72	8.60	8.97	4.71
CPBT W51	8.31	8.47	7.38	9.91	8.36	7.71	9.07	8.80	6.80
CPBT W52	9.20	9.37	8.13	10.90	9.78	9.36	9.46	9.53	7.09
HYB 95-125	9.11	9.06	7.38	10.47	9.25	9.16	9.21	9.31	9.07
21 R11	8.96	8.79	7.22	10.01	9.64	9.15	9.22	9.22	8.42
21 R 10	8.74	9.31	7.32	10.33	9.20	8.29	9.28	9.10	7.11
21 R20	8.21	8.52	7.40	9.25	7.54	7.23	8.73	9.25	7.72
NS 94/381	8.65	9.45	8.36	8.86	9.09	7.84	8.85	9.68	7.08
9745 VT	7.61	8.37	6.07	8.86	7.84	7.31	7.73	8.61	6.07
STRG 558-94	7.46	8.50	6.85	7.53	7.34	6.83	8.48	7.57	6.58
SWUW 96-3	7.71	8.41	6.14	8.64	7.71	5.97	8.32	8.55	7.90
SWUW 96-4	7.70	7.72	7.40	8.95	8.21	6.76	8.83	8.61	5.10
MEXICO	8.97	8.55	7.76	10.10	9.39	8.86	9.56	9.46	8.04
DAWN	7.69	8.06	6.08	10.09	8.70	6.98	6.76	8.55	6.28
MORTON	8.48	9.62	7.58	9.90	8.45	8.05	9.17	9.15	5.94
FD 94037	6.91	7.72	6.40	6.77	7.41	6.27	8.38	7.66	4.68
ELSOMS 96.13	8.54	8.41	7.26	9.80	8.52	7.86	9.27	9.44	7.77
LEGION	7.83	8.36	6.17	9.15	7.88	7.52	7.94	8.19	7.45

CPBT W40	8.84	9.60	8.13	10.32	8.59	8.50	9.31	9.22	7.02
LSD (PAIRWISE)	0.746	0.704	0.602	0.832	0.793	0.783	0.484	0.602	0.641
SE (VTY MEAN)	0.2594	0.2465	0.2108	0.2977	0.2777	0.2800	0.1694	0.2110	0.2250
CV(%)	8.7	3.5	3.7	5.6	4.0	6.4	2.3	3.2	4.8

TABLE 4.10 NATIONAL LIST YEAR TWO TRIALS 1997

Yield of grain from fungicide treated trials at 15% moisture in t/ha

VARIETY	MEAN	EC2	WC2	EE2	EE4	EE6	S2	ES2	NS2
BRIGADIER	8.93	9.16	7.57	10.91	9.07	8.04	8.88	9.51	8.29
HEREWARD	8.34	8.45	7.28	10.21	8.81	8.57	8.88	8.23	6.30
RIALTO	9.54	9.58	8.22	11.15	10.03	9.82	9.58	9.40	8.54
HUSSAR	9.00	9.30	7.61	10.42	9.23	8.24	9.14	9.65	8.38
RIBAND	8.92	9.68	6.63	10.35	9.37	8.90	9.58	9.44	7.40
WELLINGTON	9.68	9.72	8.82	11.57	9.42	9.31	10.07	9.91	8.63
RECORD	9.00	8.87	7.59	11.23	*	7.42	9.93	9.49	8.18
ARTIST	8.60	8.80	8.00	10.22	8.00	8.23	9.60	8.54	7.41
NSL WW-7	9.04	9.16	7.60	10.48	9.09	9.15	9.25	9.18	8.46
NSL WW-10	9.43	9.26	8.07	10.76	9.97	9.16	9.79	9.68	8.76
NSL WW-12	8.00	8.31	7.74	10.06	9.85	8.82	8.88	6.78	3.55
HUSKY	8.80	9.12	7.59	9.95	9.18	7.83	9.99	8.68	8.07
TWISTER	9.10	9.43	8.20	9.95	9.29	8.08	10.30	9.24	8.30
MARSHAL	9.80	9.86	8.36	11.50	10.19	9.14	10.12	10.05	9.19
FULCRUM	8.66	9.05	6.61	10.32	9.00	8.39	9.33	8.99	7.58
CWW 95/41	9.29	9.32	8.34	10.32	9.55	8.77	9.82	9.65	8.60
CWW 95/57	8.14	9.01	7.76	7.81	8.55	7.60	9.84	8.75	5.83
CWW 95/9	9.20	9.87	8.57	11.23	9.58	8.80	9.58	9.54	6.46
CWW 95/16	8.84	8.97	7.50	10.65	9.79	8.90	9.39	8.59	6.91
CWW 95/23	8.65	9.22	7.56	10.20	8.63	7.91	10.04	9.31	6.33
CWW 95/26	9.09	9.10	7.80	10.15	9.34	9.03	9.70	9.27	8.28
CWW 95/33	8.98	9.01	8.01	10.53	8.27	8.46	10.11	9.44	8.01
PENTIUM	7.53	8.83	6.71	8.69	8.13	7.55	9.40	7.29	3.67
SH 1752-92	8.90	8.91	8.14	10.00	9.52	9.30	9.09	8.56	7.69
NSL WW-13	8.73	9.01	7.76	10.30	8.59	8.18	9.45	8.65	7.89
CEBECO 954	7.32	6.72	6.75	7.58	8.07	6.91	9.74	8.14	4.68

LG-WW10	9.41	8.81	8.64	11.19	9.73	9.04	9.41	9.63	8.79
CPBT W37	9.40	9.90	7.93	10.62	9.41	8.86	9.60	10.17	8.75
CPBT W38	8.93	8.76	8.37	10.61	9.23	9.21	9.96	9.10	6.19
CPBT W39	8.86	9.04	7.78	10.75	8.89	7.60	9.85	9.28	7.68
CPBT W41	9.29	9.87	7.59	10.92	9.24	9.10	10.62	8.95	8.03
CPBT W43	8.68	9.35	8.52	10.65	9.38	9.04	9.27	8.45	4.82
NFC 19516	8.52	8.92	7.56	9.11	8.55	7.84	9.45	8.41	8.34
LSD									
(PAIRWISE)	0.646	0.57	0.577	0.621	0.902	0.742	0.714	0.423	0.667
SE (VTY MEAN)	0.2243	0.1974	0.2001	0.2213	0.3123	0.2646	0.2476	0.149	0.234
CV(%)	7.2	2.9	3.4	4.3	4.8	6	3.3	2.2	4.2

TABLE 4.13 KEY TO TRIAL LOCATIONS

National List trials	Trial code			
	NL1		NL2	
	1997	1998	1997	1998
Tadcaster, North Yorks	EC1	EC1	EC2	EC2
Newport, Shropshire	WC1	WC1	WC2	WC2
Spalding Lincs	EE1	EE1	EE2	EE2
Cambridge, Cambs	EE3	EE3	EE4	EE4
Framlingham, Suffolk	EE5	EE5	EE6	EE6
Winchester, Hants	S1	S1	S2	S2
East Linton, Lothian	-	ES1	-	ES2
Kelso, Borders	ES1	-	ES2	-
Haddington, Lothian	-	-	-	-
Aberdeen, Grampian	NS1	NS1	NS2	NS2

Recommended list trials	RL			
	1997	1998	1997	1998
Morpeth, Northumberland	N10	N10	N10	N10
Tadcaster, North Yorks	EC10	EC10	EC10	EC10
Horncastle, Lincs	EC11	EC11	EC11	EC11
Newport, Shropshire	WC12	WC12	WC12	WC10
Widnes, Cheshire	WC10	WC10	WC10	WC11
Tamworth Staffs	WC11	WC11	WC11	WC12
Wymondham, Norfolk	EE10	EE10	EE10	EE10
Long Sutton, Lincs	EE11	EE11	EE11	EE11
Mepal, Cambs	EE12	EE12	EE12	EE12
Cambridge, Cambs	EE13	EE13	EE13	EE13
Wye, Kent	S10	S10	S10	S10
Woodstock, Oxon	S11	S11	S11	S11
Cirencester, Gloucs	S12	S12	S12	S12
Somborne, Hants	S13	S13	S13	S13
Trerulefoot, Cornwall	SW10	SW10	SW10	SW10

Rosemaund, Hereford	WC13	WC13	-	-
Llanishen, Gwent	-	-	W13	W10
Crossnacreevy, Down	NI10	NI9/10	-	NI9/10
Limvady, Londonderry	NI13/14	NI13/14	NI13/14	NI13/14
Lisburn, Antrim	NI11/12	-	-	-
East Linton, Lothian	-	-	-	ES2
Ratho, Lothian	-	-	-	ES3
Glenrothes, Fife	-	-	-	ES4
Kelso, Borders	-	ES3	ES2	-
Haddington, Lothian	ES2	ES2	ES3	-
Kirkcaldy, Fife	-	-	ES4	-
Anstruther, Fife	-	ES1	-	-
New Downie, Tayside	ES4	-	-	-
Mungoswalls, Borders	ES3	-	-	-
Abendeen, Grampian	NS2	NS2	NS2	NS2
Laurencekirk, Grampian	-	NS3	NS3	NS3
Inverness, Highland	-	<i>NS4</i>	NS4	NS4
Lockerbie, Dumfries	-	-	-	WS1
Crichton Royal, Dumfries	WS1	WS1	WS1	-

Codes in italics represent unsuccessful trials

Table 5.1: Pedigrees of Recommended List varieties 1997. The incidence of Moulin in their parentage is highlighted.

Variety	Pedigree	Breeder
Brigadier	Squadron x Rendezvous	Advanta
Hereward	Norman's' x Disponent	PBIC
Rialto	Haven x Fresco [Haven = (Hegehog x Norman) x Moulin ; Fresco = Moulin x Monopol]	PBIC
Hussar	Squadron x Rendezvous	Advanta
Riband	Norman x (Maris Huntsman x TW161)	PBIC
Hunter	Apostle x Haven [Apostle = (Alcedo x Avalon) x Moulin ; Haven = (Hedgehog x Norman) x Moulin]	PBIC
Mercia	(Talent x Virtue) x Flanders [Virtue = Maris Huntsman x TL 365a/25; Flanders = Champlein x FD281/348]	PBIC
Cadenza	Axona x Tonic [Axona = HPG 522/66 x Maris Dove; Tonic = RPB 87/73 x RPB 94/73]	CPB
Spark	Moulin x Tonic	Nickerson
Buster	Brimstone x Parade [Brimstone = (52/218 x Hobbit 30/2) x Hustler; Hustler = Maris Huntsman x TL 365a/25]	Nickerson
Beaufort	(Rendezvous x Haven) x Fresco [Haven = (Hedgehog x Norman) x Moulin ; Fresco = Moulin x Monopol]	PBIC
Consort	(Riband's' x Fresco) x Riband [Fresco = Moulin x Monopol]	PBIC
Dynamo	Hammer x Parade	Nickerson

Encore	Apostle x Haven - sister line to Hunter - <u>Moulin</u> present in both parents	PBIC
Soissons	Jena x HN35	Desprez/ Elsoms
Caxton	<u>Moulin</u> x Riband	Elsoms
Reaper	Selection from F2 bulk population	NFC
Charger	Fresco's' x Mandele [Fresco = <u>Moulin</u> x Monopol; Mandele = Norman x Hedgehog]	PBIC
Equinox	CWW 4442/64 (Haven's') x (Rendezvous x Obelisk) [CWW 4442/64 = (Hedgehog x Norman) x <u>Moulin</u>]	CPB
Crofter	Riband x <u>Moulin</u>	Nickerson
Abbot	(Avalon x Brimstone) x Torfrida [Torfrida = Rendezvous x (<u>Moulin</u> x Mercia)]	PBIC
Drake	Motto x (Bounty x Galahad) [Motto = RPB 72/441 x RPB 73/1062]	NFC
Harrier	Soldier x Beaver [Soldier = Squadron x Rendezvous; Beaver = (Hedgehog x Norman) x <u>Moulin</u>]	Advanta
Madrigal	Hussar x Beaver [Beaver = (Hedgehog x Norman) x <u>Moulin</u>]	PBIC
Savannah	Riband x Brigadier	Advanta
Cantata	Adroit x Torfrida [Torfrida = Rendezvous x (<u>Moulin</u> x Mercia)]	PBIC
Blaze	Hussar x Beaver [Beaver = (Hedgehog x Norman) x <u>Moulin</u>]	PBIC
Maverick	Talon x Torfrida [Torfrida = Rendezvous x (<u>Moulin</u> x Mercia)]	ADvanta
Chaucer	Apollo x Rendezvous [Apollo = Maris Beacon x Kronjuvel]	Elsoms

APPENDIX B

Table 5.2: Recommended List trial 1997, Aberdeen.

This table shows the Parental Scores for Moulin and Rendezvous amongst varieties in trial as well as their yields at Aberdeen, the mean yield over all trial sites, and the difference between the two.

Variety	Moulin Score	Rendezvous Score	Yield	Overall Mean	Diff
Brigadier	0	0.5	8.29	9.01	0.72
Hereward	0	0	6.30	8.29	1.99
Rialto	0.5	0	8.54	9.32	0.78
Hussar	0	0.5	8.38	9.04	0.66
Riband	0	0	7.40	9.01	1.61
Hunter	0.5	0	8.73	8.71	-0.02
Mercia	0	0	6.70	7.57	0.87
Cadenza	0	0	6.87	8.86	1.99
Spark	0.5	0	7.47	8.26	0.79
Buster	0	0	7.76	8.80	1.04
Beaufort	0.375	0.25	8.49	9.14	0.65
Consort	0.125	0	8.73	9.18	0.45
Dynamo	0	0	8.08	8.81	0.73

Encore	0.5	0	8.08	8.75	0.67
Soissons	0	0	7.91	8.04	0.13
Caxton	0.5	0	5.86	8.63	2.77
Reaper	0	0	5.76	8.84	3.08
Charger	0.25	0	7.81	8.89	1.08
Equinox	0.25	0.25	4.32	9.00	4.68
Crofter	0.5	0	7.98	8.72	0.74
Abbot	0.125	0.25	8.12	8.55	0.43
Drake	0	0	8.06	8.95	0.89

Variety	Moulin Score	Rendezvous Score	Yield	Overall Mean	Diff
Harrier	0.25	0.25	8.93	9.25	0.32
Madrigal	0.25	0	9.54	9.35	-0.19
Savannah	0	0	8.56	9.34	0.78
Cantata	0.125	0.25	7.31	9.13	1.82
Blaze	0.25	0	9.49	9.43	-0.06
Maverick	0.125	0.25	6.13	9.04	2.91
Chaucer	0	0.5	7.21	8.99	1.78

Correlation Coeff.	Moulin Score	Rendezvous Score
Yield at Aberdeen	0.144 ± 0.184	-0.050 ± 0.185
Difference between Aberdeen and Overall Mean	-0.124 ± 0.183	0.145 ± 0.184

Appendix B

Table 5.3: Pedigrees of National List 1 varieties 1997. The incidence of Moulin in their parentage is highlighted.

Variety	Pedigree	Breeder
Brigadier	Squadron x Rendezvous	Advanta
Hereward	Norman's' x Disponet	PBIC
Rialto	Haven's' x Fresco's' (Haven = {Hedgehog x Norman} x Moulin [Fresco = Moulin x Monopol])	PBIC
Hussar	Squadron x Rendezvous	Advanta
Riband	Norman x {Maris Huntsman x TW161}	PBIC
Flair	Ares x Marabu	Schweiger, Ger
94.08	Moulin x Arminda	Hybritech,Fr
94.10	Moulin x {Drakkar x Marathon}	ditto
94.11	Moulin x {Drakkar x Marathon}	ditto
LD 86-11-E	Florin x Brimstone [Brimstone = (52/218 x Hobbit 30/2) x Hustler]	Lemaire,Fr
PF 57218	WW80098 x Longbow	Pajberg,De
NFC 19606	NFC94-334 x Drake's'	NFC
NFC 19602	NFC443-51 x Drake	NFC
NFC 19614	NFC3004 x Torfrida [Torfrida = Rendezvous x (Moulin x Mercia)]	NFC

Z 196	Composite Cross	Advanta
Z 296	2049-1 x Virtue	Advanta
Z 396	Genesis x Hereward	Advanta
Z 496	4215-4-2 x Hussar (Hussar = Squadron x Rendezvous)	Advanta
Z 596	4215-5-1 x Brigadier	Advanta
Z 696	4215-5-1 x Hunter (Hunter = Apostle x Haven [Apostle = (Alcedo x Avalon) x <u>Moulin</u> ; Haven = (Hedgehog x Norman) x <u>Moulin</u>]	Advanta
Z 796	4215-4-2 x Hussar	Advanta
NSL WW14	Hereward x (Taurus x Moulin)	Nickerson
NSL WW15	Brigadier x Buster [Brigadier = Squadron x Rendezvous]	Nickerson
NSL WW16	Brigadier x Dynamo [Brigadier = Squadron x Rendezvous]	Nickerson
NSL WW17	Woodstock x Zodiac	Nickerson
NSL WW18	Admiral x Buster	Nickerson
NSL WW 19	Beaver x (Taurus x Moulon) [Beaver = (Hedgehog x Norman) x Moulin]	Nickerson
LP 233.94	(Mercia x Grieff) x Grieff	L.Petkus, Ger
TAE 51317	Haven x Marabu [Haven = (Hedgehog x Norman) x <u>Moulin</u>]	Saatveredlung, Ger
CWW 96/47	{Slejpner x Torfrida's'} x Rialto [Torfrida = Rendezvous x (<u>Moulin</u> x Mercia)]	PBIC

CWW 96/48	Ditto	PBIC
CWW 96/119	{Haven x Torfrida} x Torfrida [Haven = (Hedgehog x Norman) x <u>Moulin</u> ; Torfrida = Rendezvous x (<u>Moulin</u> x Mercia)]	PBIC
CWW 96/17	Hussar x Lynx [Lynx = Rendezvous x Haven; Haven = (Hedgehog x Norman) x <u>Moulin</u>]	PBIC
CWW 96/20	Rialto x Torfrida [Torfrida = Rendezvous x (<u>Moulin</u> x Mercia)]	PBIC
CWW 96/21	Rialto x Morell [Rialto = Haven's' x Fresco's'; Haven = (Hedgehog x Norman) x <u>Moulin</u> ; Fresco = <u>Moulin</u> x Monopol]	PBIC
CWW 96/39	((Fresco's' (<u>Moulin</u> x VPM41.22.11)) x Rendezvous) x Torfrida	PBIC
CPBT W45	Haven x Obelisk [Haven = (Hedgehog x Norman) x <u>Moulin</u>]	CPB
CPBT W46	Talon x Hussar	CPB
CPBT W47	Rialto x 24-1-420 [Rialto = Haven's' x Fresco's'; Haven = (Hedgehog x Norman) x <u>Moulin</u> ; Fresco = <u>Moulin</u> x Monopol]	CPB
CPBT W48	Ditto	CPB
CPBT W49	{Orestis x Lynx} x Bandit [Lynx = Rendezvous x Haven; Haven = (Hedgehog x Norman) x <u>Moulin</u>]	CPB
CPBT W50	(Cadenza x 24-1-420) x Lynx [Cadenza = Axona x Tonic; Lynx = Rendezvous x Haven; Haven = (Hedgehog x Norman) x <u>Moulin</u>]	CPB
CPBT W51	Blitz x CPB188	CPB
CPBT W52	24-1-35 x Hussar (Hussar = Squadron x Rendezvous)	CPB

21 R11	HGC146 x FVL158	Pioneer
21 R10	HGC146 x FVL158	Pioneer
21 R20	Population 1065	Pioneer
NS 94/381	Double Haploid Multicross	Nordsaart, Ger
9745 VT	Avalon x Haven [Haven = (Hedgehog x Norman) x <u>Moulin</u>]	Secobra, Fr
STRG 558-94	STRG321.86 x Orestis x FruhrProbst	Streng, Ger
SWUW 96-3	Brock x [Rendezvous x Slejpner]	Svalof, Swe
SWUW 96-4	Colonel x Tara	Svalof, Swe
Mexico	(Pernel x Marius) x Rendezvous x 6141/44	Blondeau, Fr
Dawn	Baroudeur x Soissons	Elsoms
Morton	Riband x AWP1002/2	Elsoms
FD 94037	FD81033 x Hereward	Desprez, Fr
Elsoms 96.13	Hunter x (WY41/6 x Dean) [Hunter = Apostle x Haven; Apostle = (Alcedo x Avalon) x <u>Moulin</u> ; Haven = (Hedgehog x Norman) x <u>Moulin</u>]	Elsoms
Legion	Apollo x Soissons	Desprez, Fr
CPBT W40	(Talon x Beaver) x Lynx's' [Lynx = Rendezvous x Haven; Haven = (Hedgehog x Norman) x <u>Moulin</u> ; Beaver = sister line of Haven; Talon = (Huntsman x Sava) x (NS732 x Huntsman)]	CPB

APPENDIX B

Table 5.4: National List 1 trial 1997, Aberdeen.

This table shows the Parental Scores for Moulin and Rendezvous for the varieties in trial along with their yields at Aberdeen, their mean yields over all trial sites and the differences between them.

Variety	Moulin Score	Rendezvous Score	Yield	Overall Mean	Diff.
Brigadier	0	0.5	8.88	8.92	0.04
Hereward	0	0	6.44	8.08	1.64
Rialto	0.5	0	8.34	9.34	1.00
Hussar	0	0.5	8.57	8.74	0.17
Riband	0	0	7.80	8.73	0.93
Flair	0	0	9.05	8.60	-0.45
94.08	0.5	0	2.04	7.35	5.31
94.10	0.5	0	4.92	8.02	3.10
94.11	0.5	0	1.67	7.32	5.65
LD 86-11-E	0	0	7.78	8.51	0.73
PF 57218	0	0	7.84	8.53	0.69
NFC19606	0	0	8.30	8.50	0.20
NFC19602	0	0	6.84	8.16	1.32

NFC19614	0.125	0.25	5.99	7.84	1.85
Z 196	0	0	8.24	8.50	0.26
Z 296	0	0	8.23	8.36	0.13
Z 396	0	0	7.95	8.68	0.73
Z 496	0	0.25	8.06	9.27	1.21
Z 596	0	0	8.82	9.20	0.38
Z 696	0.25	0	4.66	7.94	3.28
Z 796	0	0	5.07	7.77	2.70

Variety	Moulin Score	Rendezvous Score	Yield	Overall Mean	Diff.
NSL WW14	0.25	0	5.86	7.95	2.09
NSL WW15	0	0.25	7.98	8.75	0.77
NSL WW16	0	0	5.42	8.64	3.22
NSL WW17	0	0	8.30	8.07	-0.23
NSL WW18	0	0	7.36	8.52	1.16
NSL WW19	0.5	0	7.50	8.60	1.10
LP 233.94	0	0	7.84	8.18	0.34
TAE 51317	0.25	0	8.08	8.58	0.50
CWW 96/47	0.125	0.125	7.19	8.32	1.13
CWW 96/48	0.125	0.125	6.92	8.56	1.64
CWW 96/119	0.03125	0.375	3.28	7.89	4.61
CWW 96/17	0.125	0.25	9.10	9.42	0.32
CWW 96/20	0.125	0.25	7.64	8.90	1.26
CWW 96/21	0.25	0	4.23	8.29	4.06
CWW 96/39	0.0625	0.5	4.48	7.83	3.35
CPBT W45	0.25	0	6.16	8.63	2.47
CPBT W46	0	0	6.57	8.50	1.93

CPBT W47	0.25	0	9.48	9.25	-0.23
CPBT W48	0.25	0	8.27	9.33	1.06
CPBT W49	0.0625	0.125	7.38	8.63	1.25
CPBT W50	0.125	0.25	4.71	8.08	3.37
CPBT W51	0	0	6.80	8.31	1.51
CPBT W52	0	0.25	7.09	9.20	2.11
21 R11	0	0	8.42	8.96	0.54
21 R10	0	0	7.11	8.74	1.63
21 R20	0	0	7.72	8.21	0.49

Variety	Moulin Score	Rendezvous Score	Yield	Overall Mean	Diff.
9745 VT	0.25	0	6.07	7.61	1.54
STRG 558-94	0	0	6.58	7.46	0.88
SWUW 96-3	0	0.25	7.90	7.71	-0.19
SWUW 96-4	0	0	5.10	7.70	2.60
Mexico	0	0.25	8.04	8.97	0.93
Dawn	0	0	6.28	7.69	1.41
Morton	0	0	5.94	8.48	2.54
FD 94037	0	0	4.68	6.91	2.23
Elsoms 96.13	0.25	0	7.77	8.54	0.77
Legion	0	0	7.45	7.83	0.38
CPBT W40	0.0625	0.25	7.02	8.84	1.82

Correlation Coeff.	Moulin Score	Rendezvous Score
Yield at Aberdeen	- 0.417 ± 0.116, P 0.01 - 0.001	0.015 ± 0.140
Difference between	0.488 ± 0.107	0.044 ± 0.140

Aberdeen and Overall Mean	P < 0.001	
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Omitting 94.08, 94.10 and 94.11

Correlation Coeff.	Moulin Score	Rendezvous Score
Yield at Aberdeen	- 0.057 ± 0.144	- 0.083 ± 0.143
Difference between Aberdeen and Overall Mean	0.174 ± 0.140	0.158 ± 0.141

Appendix B

Table 5.5: Pedigrees of National List 2 varieties 1997. The incidence of Moulin is highlighted.

Variety	Pedigree	Breeder
Brigadier	Squadron x Rendezvous	Advanta
Hereward	Norman's' x Disponet	PBIC
Rialto	Haven x Fresco [Haven = (Hedgehog x Norman) x <u>Moulin</u> ; Fresco = <u>Moulin</u> x Monopol]	PBIC
Hussar	Squadron x Rendezvous	Advanta
Riband	Norman x (Maris Huntsman x TW161)	PBIC
Wellington	Haven x NFC251 [Haven = (Hedgehog x Norman) x <u>Moulin</u>]	NFC
Record	Herzog x Contra	Br.Seed H
Artist	Boxer x (Maris Huntsman x Monopol)	Firlbeck, Ger
NSL WW7	Haven x Hussar [Haven = (Hedgehog x Norman) x <u>Moulin</u>]	Nickerson
NSL WW10	Wasp x Flame [Flame = Taurus x Moulin]	Nickerson
NSL WW12	Hereward x (Moulin x Rapier)	Nickerson
Husky	Kontiki x Brigadier	Advanta
Twister	Kontiki x Brigadier	Advanta
Marshal	Kontiki x Brigadier	Advanta
Fulcrum	Brigadier x Hereward	Advanta

CWW 95/41	Hussar x (Haven x Complex Experimental Cross) [Haven = (Hedgehog x Norman) x <u>Moulin</u>]	PBIC
CWW 95/57	(Fresco's' x (<u>Moulin</u> x VPM41.22.11)) x Rendezvous x Torfrida [Fresco = <u>Moulin</u> x Monopol; Torfrida = Rendezvous x (<u>Moulin</u> x Mercia)]	PBIC

CWW 95/9	Adroit x Haven [Haven = (Hedgehog x Norman) x <u>Moulin</u>]	PBIC
CWW 95/16	Samson x Torfrida [Torfrida = Rendezvous x (<u>Moulin</u> x Mercia)]	PBIC
CWW 95/23	Talon x Torfrida [Torfrida = Rendezvous x (<u>Moulin</u> x Mercia)]	PBIC
CWW 95/26	(Axial x Torfrida) x CWW87/5 [Torfrida = Rendezvous x (<u>Moulin</u> x Mercia); CWW87/5 = <u>Moulin</u> x Brock's']	PBIC
CWW 95/33	Hussar x Hunter's' [Hunter = Apostle x Haven; Apostle = (Alcedo x Avalon) x <u>Moulin</u> ; Haven = (Hedgehog x Norman) x <u>Moulin</u>]	PBIC
Pentium	Talon x Rendezvous	Sejet PB,Dn
SH 1752-92	Compl Tig323-1-3M x CWW4899/25 [CWW4899/25 = <u>Moulin</u> x Monopol]	Sharpes
NSL WW-13	Spice x Estica [Estica = Arminda x Virtue]	Nickerson
Cebeco 954	<u>Moulin</u> x Pontiac	Cebeco,Ne
LG-WW10	Beaver x Hussar [Beaver = (Hedgehog x Norman) x <u>Moulin</u>]	Nickerson
CPBT W37	(Beaver x Torfrida) x Hussar [Beaver = (Hedgehog x Norman) x <u>Moulin</u> ; Torfrida = Rendezvous x (<u>Moulin</u> x Mercia)]	CPB
CPBT W38	(Astran x Beaver) x Beaver [Beaver = (Hedgehog x Norman) x <u>Moulin</u>]	CPB
CPBT W39	(<u>Moulin</u> x Slejpner) x Haven's' [Haven = (Hedgehog x Norman) x <u>Moulin</u>]	CPB
CPBT W41	Riband x Lynx [Lynx = Rendezvous x Haven; Haven = (Hedgehog x Norman) x <u>Moulin</u>]	CPB
CPBT W43	(Cadenza x Lynx's') x Lynx [Lynx = Rendezvous x Haven; Haven = (Hedgehog x Norman) x <u>Moulin</u> ; Cadenza = Axona x Tonic]	CPB
NFC 19516	W84252 x CWW88-6 [CWW88-6 = (Rendezvous x <u>Moulin</u>) x Mercia]	NFC

APPENDIX B

Table 5.6: National List 2 Trial 1997, Aberdeen.

This table shows the parental scores for Moulin and Rendezvous for the varieties in trial along with their yields at Aberdeen, their mean yields over all trial sites and the differences between them.

Variety	Moulin Score	Rendezvous Score	Yield	Overall Mean	Diff.
Brigadier	0	0.5	8.29	8.93	0.64
Hereward	0	0	6.30	8.34	2.04
Rialto	0.5	0	8.54	9.54	1.00
Hussar	0	0.5	8.38	9.00	0.62
Riband	0	0	7.40	8.92	1.52
Wellington	0.25	0	8.63	9.68	1.05
Record	0	0	8.18	9.00	0.82
Artist	0	0	7.41	8.60	1.19
NSL WW7	0.25	0.25	8.46	9.04	0.58
NSL WW10	0.25	0	8.78	9.43	0.65
NSL WW10	0.25	0	3.55	8.00	4.45
Husky	0	0	8.07	8.80	0.73

Twister	0	0	8.30	9.10	0.80
Marshall	0	0	9.19	9.80	0.61
Fulcrum	0	0	7.58	8.66	1.08
CWW 95/41	0.25	0	8.60	9.29	0.69
CWW 95/57	0.25	0.25	5.83	8.14	2.31
CWW 95/9	0.25	0	6.46	9.20	2.74
CWW 95/16	0.125	0.25	6.91	8.84	1.93
CWW 95/23	0.125	0.25	6.33	8.65	2.32
CWW 95/26	0.3125	0.125	8.28	9.09	0.81
CWW 95/33	0.25	0	8.01	8.98	0.97
Pentium	0	0.5	3.67	7.53	3.86

Variety	Moulin Score	Rendezvous Score	Yield	Overall Mean	Diff.
SH 1752-92	0.25	0	7.69	8.90	1.21
NSL WW-13	0	0	7.89	8.73	0.84
Cebeco 954	0.5	0	4.68	7.32	2.64
LG-WW-10	0.25	0	8.79	9.41	0.62
CPBT W37	0.1875	0.125	8.75	9.40	0.65
CPBT W38	0.375	0	6.19	8.93	2.74
CPBT W39	0.5	0	7.68	8.86	1.18
CPBT W41	0.125	0.25	8.03	9.29	1.26
CPBT W43	0.1875	0.125	4.82	8.68	3.86
NFC 19516	0.25	0.0125	8.34	8.52	0.18

Correlation Coeff.	Moulin Score	Rendezvous Score
Yield at Aberdeen	- 0.091 ± 0.187	- 0.267 ± 0.175
Difference between Aberdeen and Overall Mean	0.131 ± 0.186	0.231 ± 0.179