

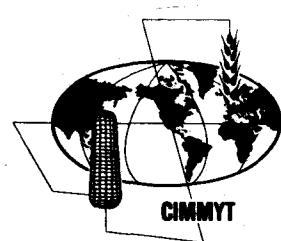
**RESULTS  
OF  
THE ELEVENTH  
INTERNATIONAL  
TRITICALE  
SCREENING  
NURSERY**

**ITSN 1979-80**



**CENTRO INTERNACIONAL DE MEJORAMIENTO DE MAIZ Y TRIGO**  
**INTERNATIONAL MAIZE AND WHEAT IMPROVEMENT CENTER**  
Londres 40      Apartado Postal 6-641      México 6, D. F., México

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**GLOSSARY OF VARIABLE NAMES USED IN THE TABLES.**  
**GLOSARIO DE LOS NOMBRES DE LAS VARIABLES USADOS EN LAS TABLAS.**  
**GLOSSAIRE DES NOMS DES VARIABLES UTILISES DANS LES TABLEAUX.**

TABLE ABBREVIATION	VARIABLE NAME	NOMBRE DE LA VARIABLE	NOM DE LA VARIABLE
ALT BLT	Alternaria blight (0-9 scale)	Tizón por Alternaria (escala 0-9)	Alternaria (échelle 0-9)
ANT DMGE	Ant Damage percentage	Porcentaje de daño de hormigas	Dégâts dus aux fourmis en pourcentage
APHD DMGE	Aphid damage percentage	Porcentaje de daño de áfidos	Dégâts dus aux pucerons en pourcentage
ARMY WORM	Army worm percentage	Porcentaje de gusano cogollero	Chenille soldat en pourcentage
BACT STRP	Bacterial stripe (0-9 scale)	Rayado bacteriano (escala 0-9)	Rayée bacterienne (échelle 0-9)
BIRD DMGE	Bird damage percentage	Porcentaje de daño de pájaros	Dégâts dus aux oiseaux en pourcentage
BYDV	Barley yellow dwarf virus (0-9 scale)	Enanismo amarillo de la cebada (escala 0-9)	Virose jaune de l'orge (échelle 0-9)
COVD SMUT	Covered smut percentage	Porcentaje de carbón cubierto	Charbon couvert en pourcentage
EARS/M <sup>2</sup>	Ears per square meter	Espigas o mazorcas por metro cuadrado	Epis par mètre <sup>2</sup>
FALL NO	Falling number (seconds)	Actividad alfa amilasa (segundos)	Activité du $\alpha$ amylase (en secondes)
FERT %/o	Fertility percentage	Porcentaje de fertilidad	Fertilité en pourcentage
FLOW DAYS	Number days to flower	Días a floración	Nombre de jours a la floraison
FRST DMGE	Frost damage percentage	Porcentaje de daño por heladas	Dégâts par la gelée en pourcentage
FUS NIV	Fusarium nivale spot	Mancha foliar (Fusarium nivale)	Tache de la feuille (Fusarium nivale)
FUS WILT	Fusarium wilt percentage	Porcentaje de marchitez por Fusarium	Fusarium en pourcentage
GERM %/o	Germination percentage	Porcentaje de germinación	Germination en pourcentage
HAIL DMGE	Hail damage percentage	Porcentaje de daño por granizo	Dégâts dus à la grêle en pourcentage
HELM	Helminthosporium (0-9 scale)	Helminthosporium (escala 0-9)	Helminthosporium (échelle 0-9)
HELM TERES	Leaf spot Helminthosporium teres	Mancha foliar (Helminthosporium teres)	Tache de la feuille (Helminthosporium teres)
KERN APP	Kernel appearance	Apariencia del grano	Apparence du grain
LEAF FIRE	Leaf fire (0-9 scale)	Tizón foliar (escala 0-9)	Sécheresse des feuilles (échelle 0-9)
LEAF RUST	Leaf rust (Cobb scale)	Roya de la hoja (escala de Cobb)	Rouille brune (échelle de Cobb)
LEAF RUST/P. HORDEI	Barley leaf rust (Puccinia hordei)	Roya de la hoja (cebada)	Rouille brune de l'orge
LODG %/o	Lodging percentage	Porcentaje de acame	Versé en pourcentage
LSE SMUT	Loose smut percentage	Porcentaje de carbón volador	Charbon nu en pourcentage
MAT DAYS	Number days to maturity	Número de días a la madurez	Nombre de jours à la maturation
MST %/o	Moisture percentage	Porcentaje de humedad	Humidité en pourcentage
NECK BRK	Neck break percentage	Porcentaje de rotura del cuello	Cassure du pédoncule en pourcentage
NET BLOT	Net blotch (0-9 scale)	Mancha reticular (escala 0-9)	Helminthosporium de l'orge (échelle 0-9)
PLNT DENS	Plant density (stems/square meter)	Densidad de plantas (tallos/metro cuadrado)	Population des plantes (tiges/mètre <sup>2</sup> )
PLNT HT	Height (cm)	Altura (cm)	Hauteur (cm)
PLNT WT	Plant weight (grams)	Peso de la planta (gramos)	Poids de la plante (grames)
POWD %/o	Powdery mildew percentage	Porcentaje de mildiú polvoriento	Oidium en pourcentage
PROT %/o	Protein percentage	Porcentaje de proteína	Protein en pourcentage
ROOT ROT	Root rot percentage	Porcentaje de pudrición de maíz	Putréfaction du maïs en pourcentage
SCAB %/o	Scab percentage	Porcentaje de roña	Fusarium de l'épi en pourcentage
SCLD %/o	Scald percentage	Porcentaje de escaldadura	Rhynchosporium en pourcentage
SDMT INDX	Sedimentation index (cc)	Índice de sedimentación (cc)	Indice de sédimentation (cc)
SEED TYPE	Seed type (L=large, M=medium, S=small)	Tipo de semilla (L=grande, M=mediano, S=pequeño)	Type de grain (L=large, M=moyen, S=petit)
SEPT NODO	Septoria nodorum (0-9 scale)	Septoria nodorum (escala 0-9)	Septoria nodorum (échelle 0-9)
SEPT SPP.	Septoria spp. (0-9 scale)	Septoria spp. (escala 0-9)	Septoria spp. (échelle 0-9)
SEPT TRIT	Septoria tritici (0-9 scale)	Septoria tritici (escala 0-9)	Septoria tritici (échelle 0-9)
SHTR %/o	Shattering percentage	Porcentaje de desgrane	Chute de grains en pourcentage
SMLS SMUT	Semi-loose smut percentage	Porcentaje de carbón semi-volador	Charbon semi-nu en pourcentage
SPOT BLOT	Spot blotch (0-9 scale)	Tizón de la hoja (escala 0-9)	Tache de la feuille (échelle 0-9)
SPOT BLOTCH/HELM SATV	Spot blotch (0-9 scale)	Tizón de la hoja (escala 0-9)	Tache de la feuille (échelle 0-9)
STEM RUST	Stem rust (Cobb scale)	Roya del tallo (escala de Cobb)	Rouille noire (échelle de Cobb)
STRP RT.H	Stripe rust (head) percentage	Porcentaje de roya lineal (espiga)	Rouille jaune sur l'épi en pourcentage
STRP RT. L	Stripe rust (leaf) (Cobb scale)	Roya lineal (hoja) (escala de Cobb)	Rouille jaune sur feuilles (échelle de Cobb)
TEST WT	Test weight (kg/ha)	Peso hectolítrico (kg/ha)	Poids spécifique (kg/ha)
1000 G.W.	1000 grain weight (grams)	Peso de 1000 granos (gramos)	Poids de 1000 grains (grames)
YELL BERR	Yellow berry percentage	Porcentaje de panza blanca	Mitadinaje en pourcentage
YIELD KG/HA	Yield kg/ha	Rendimiento kg/ha	Rendement kg/ha

# RESULTS OF THE 11TH INTERNATIONAL TRITICALE SCREENING NURSERY

## (ITSN) 1979-80

The 11th International Triticale Screening Nursery (ITSN) was sent in September, 1979 to be grown by cooperators in their spring season of 1980. One-hundred fifty-seven nurseries went to cooperators in 99 countries. The 328 advanced lines and checks in the nursery had been chosen from among CIMMYT's best materials. All had been grown and observed by CIMMYT scientists under a high yield environment with pressure from major diseases on the CIANO Experiment Station in the Yaqui Valley in northwest Mexico. Here, too, seed for this international nursery was multiplied, cleaned and treated with insecticide and organic fungicide before shipment.

Instructions on nursery management accompanied the mailing of seeds of each cooperator. Enough seed from each line was provided for a single row, unreplicated, of at least 2 m. in length. A field book was included with each nursery set, providing a standard format for recording data desired by CIMMYT. In receiving and processing the data returned by cooperators, CIMMYT assumes that the nursery was properly handled and that accurate results were reported. We cannot, however, attest to the rigor with which the trials were grown and results were obtained.

Sixty of the cooperators receiving the 11th ITSN returned field books with performance data at their locations in time to be included in this report. The choice of variables measured and the data returned rests with the individual cooperator. We have included in this summary all measures of all variables reported to us. The number of observations differs from variable to variable. The reader is urged to note the "NOBS" entry at the head of each variable column in the table that reports all data for all lines—that tells how many observations went into the data reported in that column, which may be an important indicator of the level of credibility that should be conferred. The reader should also bear in mind that the yield reported is from a single plot, essentially grown for observation rather than as a rigorous, replicated yield trial.

### Presentation of Results

So that data in this report will be of optimal use to the reader, we present the results in three forms:

1. One *international summary*, listing the sites from which data were returned, with notations of all variables recorded and reported.
2. A table reporting the *mean of all observations* for each variable measured for each line in the nursery.
3. Selected tables reporting the *best performance by individual lines* on major variables, usually the top 5 to 10 percent. The table of contents lists all variables reported in this way.

Cooperators were asked to use agronomic and disease reporting methodology as described in CIMMYT's Information Bulletin 38. Data reported are simple means computed from those supplied by the cooperators. Data on rusts recorded by the modified Cobb scale were converted to average coefficient of infection (ACI) as explained in the yearly report of the United States Department of Agriculture International Spring Wheat Rust Nursery.

### Feedback

Feedback of two kinds from cooperators is vital to the quality of this and other CIMMYT international nursery reports: First, the prompt return of carefully recorded data from each and every trial site; second, identification of errors that become part of our cooperator's station file. We ask for feedback of both kinds.

Table 1. Locations from which data were reported, with variables reported

LOCATION	CONTINENT	COUNTRY	AREA	VARIABLES INCLUDED
6	AFRICA	EGYPT	CAIRO	1 3 7 8 9 10 13
14	AFRICA	KENYA	RIFT VALLEY	7 8
21	AFRICA	NIGERIA	KANO	1 9 10
29	AFRICA	SUDAN	GEZIRA	1 9
41	ASIA	AFGHANISTAN	KABUL	1 8 9 11
51	ASIA	INDIA	PUNJAB	1 7 8 9
53	ASIA	INDIA	UTTAR PRADESH	1 3 4 7
66	ASIA	THAILAND	CHIANG MAI	1 3 4 9
69	EUROPE	ENGLAND	CAMBRIDGE	3 9 16
74	EUROPE	GREECE	THESSALONIKI	1 3 4 9
80	EUROPE	POLAND	DANKOW	1 2 3 7 9 10 13 15 49
85	EUROPE	ROMANIA	ILFOV	1
89	EUROPE	SPAIN	CORDOBA	1 2 3 4 9 10
107	MIDDLE EAST	LEBANON	BEKA'A VALLEY	1 3 9
115	MIDDLE EAST	TURKEY	IZMIR	1 7 8 9
121	NORTH AMERICA	CANADA	MANITOBA	1 4 9
129	NORTH AMERICA	MEXICO	EDO DE MEXICO	1 2 3 4 7 8 9 10
132	NORTH AMERICA	MEXICO	SONORA	1 2 3 7 9 13
133	NORTH AMERICA	MEXICO	SONORA	3 4 9
137	NORTH AMERICA	U. S. A.	CALIFORNIA	1 9
143	NORTH AMERICA	U. S. A.	SOUTH DAKOTA	7
158	SOUTH AMERICA	BOLIVIA	COCHABAMBA	1 9
161	SOUTH AMERICA	BRAZIL	RIO GRANDE DO SUL	1
162	SOUTH AMERICA	BRAZIL	RIO GRANDE DO SUL	1 7 8 9 16 25
166	SOUTH AMERICA	CHILE	CHILLAN, NUBLE	1 2 9
169	SOUTH AMERICA	ECUADOR	QUITO, PICHINCHA	1 5
188	AFRICA	LESOTHO	MABERU	1 9
190	AFRICA	SOUTH AFRICA	CAPE PROVINCE	1 3 9 15
204	ASIA	INDIA	MADHYA PRADESH	1 9
211	ASIA	TAIWAN	TAIPEI	1 2 3 4 9 13
216	CENTRAL AMERICA	COSTA RICA	ALAJUELA	1 3 4 9

239	EUROPE	ITALY	FOGGIA	5	7	8	9	10	15
244	EUROPE	POLAND	BLONIE	1	7	9	10	15	16
245	EUROPE	PORTUGAL	BEJA	3	4	9	10		
250	EUROPE	SPAIN	MADRID	1	3	4	9		
258	MIDDLE EAST	ISRAEL	BET DAGAN	1	9				
263	NORTH AMERICA	CANADA	ONTARIO	1	9				
294	SOUTH AMERICA	BRAZIL	PARANA	1	9	10	11		
304	AFRICA	SENEGAL	REGION DU FEEUVE SENEGAL	1	9				
314	AFRICA	MALAWI	NTCHEU	1	9				
321	SOUTH AMERICA	PARAGUAY	ITAPUA	7	8	9	14	16	41
323	ASIA	PHILIPPINES	LUZON	1	9	41			
326	AFRICA	SOUTH AFRICA	ORANGE FREE STATE	1	3	7	8	9	11
330	AFRICA	ZAIRE		1	9				
336	CENTRAL AMERICA	COSTA RICA	ALAJUELA	1	3	4	9		
342	AFRICA	EGYPT	DOMIAT	1	7	8	9	13	
350	SOUTH AMERICA	PARAGUAY	CACUPE	7	8				
351	NORTH AMERICA	MEXICO	TLAXCALA	1	2	3			
356	SOUTH AMERICA	BOLIVIA	SANTA CRUZ	1	8	9			
363	MIDDLE EAST	SYRIA	ALEPPO	1	9	10			
368	MIDDLE EAST	CYPRUS	ATHALASSA	1	3	9	15		
386	ASIA	BANGLADESH	JAMALPUR	1	7	9			
389	EUROPE	EAST GERMANY	SCHWERIN	1	9	15			
394	EUROPE	W. GERMANY	BADEN-WUTTEMBERG	1	2	9	13		
421	AFRICA	TANZANIA	IRINGA	1	3	9	17		
427	SOUTH AMERICA	BRAZIL	PARANA	1	3	7	8	9	36
430	AFRICA	MOZAMBIQUE	MAPUTO	1	3	4	9	10	
448	ASIA	KOREA	QYEONG NAM	1	9	15	16	36	
453	AFRICA	ANGOLA	HUANBO	9					
455	EUROPA	ROMANIA		1	7	9	10	14	

\*VARIABLE IDENTIFICATIONS

1	YIELD	KG/HA	2	TEST	WT	3	FLOW	DAYS	4	MAT	DAYS	5	STRP	RT. L
7	LEAF	RUST	8	STEM	RUST	9	PLNT	HT	10	LODO	%	11	SHTR	%
13	1000	G. W.	14	POWD	%	15	SEPT	TRIT	16	SEPT	NODO	17	SEPT	SPP.
25	FRST	DMOE	36	SCAB	%	41	HELM		49	RUS	GRAM			

Table 2. Summary of means of all variables, across 60 locations

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT. L	LEAF RUST	STEM RUST	
				NOBS:	( 51)	( 8)	( 23)	( 13)	( 2)	( 19)	( 14)
.1	MAPACHE			3169.5	60.4	86.5	138.8	0.1	4.4	0.1	
2	BEAGLE			3283.0	61.3	90.6	143.5	0.1	8.7	7.0	
3	RAHUM			2953.3	60.8	86.0	142.8	0.5	5.8	0.0	
4	BACUM			3182.9	64.5	84.4	138.9	0.0	12.0	0.1	
5	SETTER			2779.6	59.3	92.0	145.8	0.5	7.5	0.1	
6	CINNAMON			2850.8	60.6	86.4	140.5	0.1	13.9	2.3	
7	BURA			3497.7	63.8	86.2	141.6	0.1	4.5	0.6	
8	BURA"S"			3270.3	64.5	84.7	140.5	5.1	4.7	0.2	
9	M2A X-2802-58N-2M-0N-100M-0Y			3196.4	66.1	84.1	139.4	5.1	10.1	0.2	
10	M2A-IRA X-11923-58M-1Y-3Y-3M-1Y-2M-1Y-0M			3091.8	65.3	88.5	141.2	0.1	3.6	0.1	
11	M2A-BUITRE X-12264			3500.8	65.0	90.9	147.3	0.0	19.0	2.8	
12	M2A-BUITRE X-12264			3460.2	65.2	95.0	147.9	0.5	10.2	2.7	
13	M2A X HEXA FROM OCTO-HEXA X-12807-10Y-1Y-1M-100Y-3M-0Y			2934.4	62.5	85.3	142.6	0.0	7.9	0.9	
14	M2A-IRA X-12509-2Y-4Y-1M-0Y			3122.5	62.1	84.5	139.2	0.0	12.6	2.6	
15	M2A-IA X-12665-11Y-3Y-9M-1Y-1M-100Y-0M			3474.0	66.0	92.9	144.8	0.0	4.2	0.1	
16	M2A-KLA"S" X-12725-A-1Y-1Y-2Y-0M-4Y-0M			3491.0	63.5	90.4	143.6	0.1	5.2	0.1	
17	M2A-KLA"S" X-12701-25Y-3Y-1M-1Y-6M-100Y-101M-100Y-0B			2961.7	64.1	92.6	144.4	0.1	4.8	0.1	
18	IRA-M2A X-12937-B-1Y-1Y-4M-0Y			2987.0	62.3	83.7	137.3	0.1	11.1	0.1	
19	IA-FS1194 X-13224-12Y-4Y-1Y-0M-4Y-0M			3424.3	66.3	86.9	139.3	0.1	13.4	1.8	
20	GAZELLE-FS132 X-13550-15Y-1Y-4M-100Y-6M-0Y			2976.6	64.6	86.1	138.8	6.0	8.0	0.1	
21	IGA-M2A X IA-M2A X-14527-D-4Y-4Y-2Y-1M-1Y-100B-0Y			3524.7	63.7	87.1	138.2	0.0	9.7	0.8	
22	B0C-T171 X-14536-18Y-1Y-1Y-1B-1Y-1B-0Y			3246.4	64.3	88.8	142.0	0.1	6.2	1.7	
23	CML"S"-SKA X-14667-3Y-2Y-1M-3Y-1B-3Y-1B-0Y			2929.4	65.9	91.1	142.8	0.1	10.1	3.8	
24	CML"S"-SKA X-14667-3Y-2Y-1M-3Y-1B-4Y-0B			3196.6	65.8	90.4	143.1	0.1	9.4	1.6	
25	M2A X Y50E-KAL(3) X-14708-3Y-1M-1Y-4M-1Y-1B-2Y-4B-0Y			2869.0	64.9	93.4	143.8	0.5	11.1	0.1	



VTY	PLNT HT	LDDG %	SHTR %	1000 G. W.	POWD %	SEPT TRIT	SEPT NGDD	SEPT SPP.	FRST DMOE	SCAB %	HELM	FUS GRAM
	( 52)	( 12)	( 3)	( 6)	( 2)	( 7)	( 5)	( 1)	( 1)	( 2)	( 2)	( 1)
1	95.4	21.0	6.7	40.8	38.5	38.1	36.6	89.0	10.0	22.0	50.0	25.0
2	109.7	21.8	10.3	42.1	27.5	23.0	20.8	89.0	10.0	5.5	56.0	0.0
3	94.9	25.8	8.3	38.6	33.0	37.3	41.2	89.0	40.0	11.0	61.5	13.0
4	91.0	19.2	11.7	37.3	33.0	40.4	37.3	100.0	100.0	44.0	72.0	25.0
5	91.4	21.4	8.3	45.8	38.5	23.9	34.8	89.0	80.0	22.0	61.5	38.0
6	91.4	14.6	3.3	41.5	38.5	30.4	29.0	89.0	100.0	11.0	83.5	25.0
7	87.8	20.6	3.7	35.0	44.0	37.0	31.8	89.0	100.0	11.0	67.0	13.0
8	88.1	22.6	5.0	34.9	38.5	33.7	43.2	89.0	80.0	18.0	61.5	13.0
9	90.4	27.0	6.7	39.6	39.0	24.3	27.0	89.0	80.0	5.5	56.0	13.0
10	89.0	17.6	6.7	43.5	44.5	30.4	23.0	89.0	100.0	33.0	61.5	88.0
11	106.4	17.3	13.3	44.5	33.0	24.3	22.2	89.0	50.0	11.0	61.5	13.0
12	106.7	18.3	5.0	40.8	44.0	25.4	18.2	89.0	30.0	11.0	56.0	0.0
13	80.5	9.8	5.0	41.8	50.0	36.9	38.8	100.0	40.0	33.0	44.0	88.0
14	84.8	11.8	13.3	41.9	50.0	37.0	28.8	89.0	100.0	44.0	56.0	63.0
15	92.2	20.8	5.0	42.1	33.0	24.1	30.4	89.0	10.0	11.0	50.0	13.0
16	94.9	11.8	6.7	46.1	50.0	22.6	34.2	89.0	40.0	5.5	50.0	25.0
17	91.2	12.1	6.7	42.5	27.5	25.6	34.4	89.0	80.0	11.0	56.0	63.0
18	88.1	11.4	0.0	38.6	27.5	37.1	34.5	89.0	100.0	22.0	44.0	50.0
19	92.6	10.8	6.7	43.9	39.0	27.3	37.3	100.0	100.0	11.0	56.0	38.0
20	90.8	11.2	10.0	43.7	50.0	30.6	39.0	100.0	50.0	11.0	44.0	38.0
21	91.8	15.9	13.3	43.3	44.5	32.1	43.2	100.0	70.0	22.0	33.0	50.0
22	89.6	15.8	6.7	37.1	33.0	28.9	43.4	89.0	50.0	33.0	56.0	63.0
23	97.0	9.6	13.3	41.1	22.0	31.9	37.0	100.0	100.0	11.0	56.0	75.0
24	97.5	12.0	6.7	41.8	50.0	29.0	45.0	100.0	50.0	11.0	56.0	75.0
25	95.1	24.8	5.0	43.1	44.5	33.6	43.4	89.0	40.0	22.0	44.0	63.0

Table 2. (Continued)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT. L	LEAF RUST	STEM RUST
26	M2A X Y50E-KAL(3) X-1470B-3Y-1M-2Y-2M-2Y-1B-2Y-0M			3140.3	66.8	93.7	144.7	0.1	11.6	2.9
27	M2A X Y50E-KAL(3) X-1470B-3Y-1M-2Y-2M-2Y-1B-1Y-4B-0Y			2930.2	67.0	93.1	145.2	0.1	10.1	2.3
28	M2A X Y50E-KAL(3) X-1470B-3Y-1M-1Y-5M-1Y-2B-3Y-0M			2978.0	64.0	93.3	145.0	0.0	6.5	0.2
29	M2A X BB-INIA X-14729-3Y-1Y-1Y-1B-3Y-1B-0Y			3235.1	64.3	92.9	146.6	0.0	4.4	0.8
30	CML "S"-KAL X-14861-2Y-1Y-1Y-1B-5Y-1B-0Y			3001.0	63.4	89.5	144.2	0.0	8.2	1.1
31	M2A-CML X-15485-1B-1M-2Y-0M-3Y-0M			2386.8	59.5	98.2	148.5	0.1	5.7	0.1
32	DELFIN 99			3752.3	69.3	89.6	145.8	0.0	14.6	1.3
33	DELFIN 69			3540.3	66.7	90.7	146.2	0.0	14.3	1.7
34	DELFIN 75			3393.9	70.0	90.4	146.1	0.0	11.6	0.2
35	DELFIN 76			3431.8	69.7	90.3	145.8	0.0	10.6	1.1
36	DELFIN 78			3391.9	67.9	90.7	146.5	0.0	14.5	0.1
37	DELFIN 80			3459.8	69.3	90.8	145.8	0.0	12.5	2.1
38	DELFIN 205			3562.9	68.4	90.3	146.0	0.0	12.1	0.1
39	IRA-BQL X-15570			3340.6	69.4	89.7	146.7	0.5	10.7	0.2
40	IRA-BQL X-15570			3494.5	68.9	90.3	146.8	0.1	10.0	0.9
41	IRA-BQL X-15570			3228.6	67.2	92.5	146.5	5.1	2.0	0.2
42	IRA-BQL X-15570			3349.0	67.9	90.5	146.7	0.0	11.1	1.7
43	IRA-BQL X-15570-1Y-0M-0Y-100M-0Y			3045.9	63.7	94.2	147.1	0.0	3.9	0.1
44	IRA-BQL X-15570-1Y-0M-0Y-102M-0Y			2903.7	64.1	92.3	146.8	0.0	4.0	0.4
45	IRA-BQL X-15570-1Y-1B-100B-0Y			3461.4	67.5	94.3	147.6	0.0	4.3	0.8
46	IRA-BQL X-15570-100B-0Y			2898.4	66.6	90.2	146.6	0.0	12.8	2.4
47	IRA-BQL X-15570-5M-1Y-1M-3Y-0M			3679.7	64.7	94.0	147.0	0.1	2.8	1.0
48	IRA-M2A X-15562-3Y-1M-3Y-1M-1Y-100B-101Y 0B			2916.3	63.2	93.2	144.9	0.0	4.2	0.8
49	IRA-M2A X-15562-3Y-1M-3Y-3M-1Y-100B-100Y 0B			3358.7	63.0	93.6	146.2	0.0	4.6	1.5
50	IA-M2A X-15631-1Y-1M-1Y-1M-1Y-100B-101Y 0B			2943.3	64.3	87.2	142.3	0.0	5.0	0.1

VTY	PLNT HT	LDDO %	SHTR %	1000 G. W.	PQMD %	SEPT TRIT	SEPT NODD	SEPT SPP.	FRST DMGE	SCAB %	HELM	FUS GRAM
26	96.8	23.1	5.0	43.2	50.0	29.9	41.2	89.0	40.0	11.0	50.0	63.0
27	98.5	20.8	11.7	45.3	50.0	35.3	34.4	89.0	30.0	18.0	50.0	63.0
28	96.7	18.0	6.7	43.6	56.0	37.1	36.6	89.0	30.0	22.0	61.5	88.0
29	98.0	15.9	8.3	40.8	56.0	29.3	20.6	89.0	30.0	5.5	67.0	63.0
30	95.4	6.3	6.7	41.2	56.0	31.0	26.3	89.0	100.0	11.0	61.5	63.0
31	81.2	17.4	3.3	35.2	27.5	38.6	36.6	89.0	5.0	33.0	56.0	88.0
32	110.0	10.5	10.0	43.1	33.0	33.7	29.4	89.0	60.0	11.0	56.0	0.0
33	108.4	17.7	3.3	40.8	39.0	32.3	22.6	78.0	60.0	11.0	78.0	13.0
34	109.9	17.0	3.3	41.9	33.0	37.3	33.8	78.0	60.0	11.0	78.0	13.0
35	110.7	18.4	10.0	42.3	27.5	34.1	22.6	89.0	10.0	11.0	61.5	13.0
36	111.0	16.6	6.7	42.8	39.0	39.0	22.6	78.0	10.0	11.0	67.0	25.0
37	110.0	18.6	3.3	44.8	39.0	40.4	25.0	78.0	10.0	11.0	61.5	25.0
38	110.1	16.8	6.7	42.5	27.5	37.1	24.8	78.0	20.0	11.0	44.0	25.0
39	104.3	23.4	0.0	42.0	22.0	27.1	29.8	89.0	20.0	11.0	56.0	38.0
40	104.2	17.9	3.3	42.2	27.5	25.6	28.0	89.0	30.0	11.0	56.0	13.0
41	106.7	18.9	5.0	46.8	22.0	22.6	28.0	89.0	40.0	11.0	67.0	25.0
42	106.8	11.9	3.7	42.5	44.0	24.1	25.4	89.0	50.0	11.0	56.0	25.0
43	105.3	14.9	3.3	47.6	33.0	17.3	30.0	89.0	20.0	22.0	61.5	25.0
44	105.0	11.5	11.7	45.3	38.5	20.0	32.2	89.0	20.0	22.0	56.0	25.0
45	112.3	12.3	3.3	43.9	27.5	28.1	17.8	89.0	10.0	11.0	72.0	25.0
46	107.7	12.8	5.0	42.8	56.0	21.1	30.0	89.0	50.0	11.0	56.0	0.0
47	101.3	14.6	11.7	42.8	56.0	22.6	23.5	89.0	100.0	33.0	61.5	0.0
48	97.9	17.5	6.7	43.7	44.0	22.6	43.4	89.0	20.0	22.0	83.5	13.0
49	97.8	19.6	5.0	42.3	33.0	21.4	39.0	89.0	10.0	29.0	56.0	63.0
50	90.6	21.0	13.3	42.3	38.5	33.7	50.2	100.0	60.0	22.0	50.0	25.0

Table 2. (Continued)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT. L	LEAF RUST	STEM RUST
51	HEXA FROM DCTO-HEXA X M2A X-15685-B-6Y-2M-2Y-OM			2951.7	61.4	87.2	142.3	0.0	4.9	0.1
52	UM940"S"-MY64 X FB381 X-15667-5Y-1M-3Y-1M-0Y			3561.0	65.1	89.7	145.1	0.5	4.4	1.8
53	ZEBU"S"-FS 381 X-15667-5Y-3M-1Y-1M-2Y-OM			2803.8	65.8	90.5	146.3	0.1	9.6	2.1
54	UM940"S"-MY64 X FB381 X-15667-5Y-7M-2Y-1M-0Y			3064.5	66.0	90.6	145.2	0.5	8.5	2.0
55	BOL-M2A X-15670			3584.4	68.2	90.9	148.6	0.5	12.0	10.8
56	BOL-M2A X-15670			3464.6	68.0	90.5	145.0	0.5	13.3	14.0
57	BEAGLE-M2A X-15671			3424.9	66.2	95.1	146.8	2.0	4.9	0.1
58	BOL-M2A X-15671-3Y-2B-1M-100B-100Y-0B			3168.8	63.2	93.2	147.0	0.1	12.5	7.4
59	BOL"S"-M2A X CIN X-15673			2924.2	63.5	89.0	145.8	0.0	7.8	2.5
60	BOL"S"-M2A X CIN X-15673			3104.6	62.6	90.0	145.7	0.0	9.0	0.1
61	BOL"S"-M2A X CIN X-15673			3247.0	64.1	91.0	149.4	0.0	8.8	1.8
62	BEAGLE-CIN X-15674			3654.4	67.4	93.8	147.2	0.5	12.1	1.8
63	DCTO BULK50-IA X-15682-21Y-7Y-2M-0Y			3058.7	59.4	88.5	142.8	0.1	8.3	1.4
64	TCL BULK50-MA X-15684-3Y-2Y-OM			3112.6	61.2	89.1	143.1	0.5	2.7	0.1
65	BQC-ITA X KLA/M2A X-15745-100Y-2M-1Y-OM			2773.7	60.5	89.2	146.3	0.5	3.0	1.9
66	M2A(2) X-15754-A-1Y-2M-1Y-2M-0Y			3110.9	65.6	86.1	142.3	0.1	6.5	0.2
67	SHEPHERD"S" X-15754-A-5Y-1Y-1M-2Y-4B-0Y			3358.4	65.5	85.9	143.0	0.1	7.3	0.1
68	M2A-IA X-15792-3Y-1Y-OM-2Y-OM			3149.3	60.4	95.5	145.9	0.0	5.6	0.1
69	M2A-FB477 X-15806-17Y-2M-1Y-OM-1Y-OM			2837.5	60.8	85.7	140.5	0.1	9.5	2.0
70	TOPO 120			3846.0	67.0	95.8	151.8	0.0	6.7	1.8
71	TOPO 121			3490.8	66.5	97.0	153.7	0.0	0.1	0.1
72	TOPO 122			3498.7	65.8	97.1	153.5	0.0	3.0	0.1
73	TOPO 123			3658.9	67.1	95.2	153.0	0.1	1.4	1.4
74	TOPO 141			3823.3	63.5	93.2	151.6	0.1	1.1	0.8
75	TOPO 141			3845.3	65.7	94.1	151.1	0.1	3.0	0.1

VTY	PLNT HT	LDGC %	SHTR %	1000 G W.	POWD %	SEPT TRIT	SEPT NODO	SEPT BPP.	FRST DMGE	SCAB %	HELM	FUS GRAM
51	93.7	19.9	11.7	40.2	39.0	29.4	32.2	89.0	30.0	11.0	61.5	25.0
52	105.2	13.8	8.3	43.0	33.0	24.7	31.6	89.0	80.0	11.0	67.0	13.0
53	109.1	18.6	10.0	44.0	44.0	31.1	31.6	89.0	90.0	11.0	56.0	13.0
54	110.4	20.0	3.7	44.7	44.0	26.6	36.2	89.0	50.0	11.0	67.0	13.0
55	115.7	28.7	7.0	44.9	50.0	14.4	29.8	89.0	60.0	11.0	50.0	13.0
56	114.8	29.0	10.0	46.6	44.5	14.7	22.6	89.0	40.0	11.0	56.0	13.0
57	117.5	22.3	20.0	45.4	38.5	13.1	21.0	89.0	10.0	11.0	67.0	13.0
58	108.7	17.8	6.7	47.8	27.5	11.0	22.4	89.0	50.0	33.0	61.5	25.0
59	107.1	27.0	15.0	48.7	61.0	16.3	25.0	89.0	60.0	11.0	44.0	13.0
60	103.7	18.4	13.3	49.3	22.0	16.3	27.4	89.0	60.0	11.0	61.5	13.0
61	105.2	20.6	8.3	52.3	44.5	19.6	29.8	89.0	60.0	11.0	44.0	13.0
62	109.8	23.5	8.3	47.5	50.0	29.3	20.4	89.0	60.0	0.0	44.0	0.0
63	84.6	14.6	10.0	40.8	50.0	35.1	43.4	89.0	80.0	11.0	44.0	25.0
64	92.4	18.3	8.3	40.5	44.5	34.0	34.4	89.0	70.0	11.0	61.5	25.0
65	88.4	19.4	11.7	38.9	39.0	32.0	34.2	89.0	70.0	11.0	78.0	25.0
66	88.5	15.7	10.0	39.0	44.0	27.7	25.6	89.0	90.0	11.0	67.0	25.0
67	89.9	25.1	10.0	38.8	56.0	27.7	32.0	89.0	70.0	5.5	78.0	25.0
68	91.9	9.5	10.0	40.0	44.5	27.1	25.0	89.0	20.0	11.0	61.5	50.0
69	73.5	6.2	5.0	38.3	55.5	32.4	55.0	100.0	100.0	22.0	56.0	88.0
70	102.5	8.4	10.3	44.0	39.0	22.4	23.0	89.0	80.0	11.0	56.0	38.0
71	104.0	8.7	10.3	42.2	28.0	22.6	25.2	89.0	75.0	11.0	67.0	25.0
72	103.1	9.4	18.3	42.7	33.5	24.0	30.0	89.0	80.0	11.0	61.5	38.0
73	103.0	8.7	8.3	41.9	33.0	25.9	32.4	89.0	80.0	5.5	67.0	13.0
74	102.4	7.5	18.3	43.3	38.5	24.0	27.4	89.0	85.0	18.0	61.5	25.0
75	99.3	7.8	15.0	43.9	27.5	24.1	34.4	89.0	85.0	22.0	78.0	25.0

Table 2. (Continued)

VTY NO	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT. L	LEAF RUST	STEM RUST
76	IA-M2A X-15946-8Y-3Y-4M-2Y-1B-0Y			3129.5	63.3	86.3	142.6	0.5	1.3	0.1
77	FS4093-SORGO X-15987-A-1Y-1Y-1M-1Y-1B-4Y-0M			2958.9	66.1	94.9	146.9	0.0	4.5	0.0
78	TJ-BQL"S" X-16134-35Y-1Y-1M-1Y-1B-0Y			3631.8	65.0	89.5	146.6	1.0	1.1	0.1
79	TJ-BQL"S" X-16134-35Y-1Y-1M-1Y-2B-0Y			3710.0	64.7	91.3	147.5	0.5	2.4	0.1
80	TJ-BQL"S" X-16134-35Y-1Y-1M-1Y-3B-0Y			3750.0	64.5	90.2	145.8	1.0	2.1	0.1
81	IRA-NURI"S" X BQL"S" X-16237-32Y-4Y-5M-1Y-1B-1Y-0M			2920.3	67.1	85.0	139.5	0.1	12.3	3.0
82	IA-M2A X PI62/BQL"S" X-16304-103Y-1Y-1M-1Y-0M			2792.3	61.5	89.7	142.1	0.1	2.3	0.1
83	IA-M2A X PI62/BQL"S" X-16304-108Y-1Y-2M-2Y-0M			2902.8	60.4	86.4	139.3	0.1	5.4	0.2
84	CIN-PI251923 X PTO/IA X-16349-34Y-4Y-2M-1Y-1B-0Y			3250.3	63.5	87.9	140.8	0.0	16.8	0.1
85	CIN-PI251923 X PTO/IA X-16349-34Y-4Y-2M-3Y-1B-0Y			2977.0	63.6	88.6	141.1	0.1	13.6	0.1
86	CIN-PI62 X PATO/BQL X-16350			3402.3	68.5	91.9	146.7	0.1	5.1	0.7
87	M2A-UP301 X BQL X-16378			3349.0	65.3	91.1	146.7	0.1	4.1	0.1
88	M2A-UP301 X BQL X-16378			3140.2	63.9	90.5	145.7	0.5	4.6	0.1
89	M2A-UP301 X BQL X-16378			3273.9	63.4	89.9	146.4	0.5	6.9	0.4
90	M2A-UP301 X BQL"S" X-16378-2Y-0B-1Y-0M			3234.8	62.4	91.4	146.0	0.1	4.4	0.3
91	M2A-UP301 X BQL"S" X-16378-100B-0Y			3222.6	64.7	89.9	146.2	0.1	5.4	0.0
92	TREAT913-CIN X IA X-16519-101Y-1Y-1M-2Y-0M			2624.7	63.1	88.5	141.2	0.1	10.2	0.3
93	DRIRA-KANG X-16648			3624.1	65.2	93.8	147.0	0.1	3.9	0.0
94	DRIRA-KANG X-16648			3057.0	64.0	93.0	146.8	0.1	3.2	0.0
95	DRIRA-KANG X-16648			3430.2	64.2	92.6	147.1	0.1	4.7	0.1
96	DRIRA-KANG X-16648			2993.8	64.0	88.0	140.5	1.0	7.3	0.7
97	DRIRA-KANG X-16648			3238.6	64.5	86.4	140.2	1.0	5.2	0.1
98	DRIRA-KANG X-16648-100B-0Y			3645.7	65.1	88.4	141.3	0.0	4.1	0.4
99	DRIRA-CINJEM X-16662-1Y-1B-2M-102B-100Y-0B			3493.6	65.0	95.1	147.9	0.0	16.6	0.9

VTY	PLNT HT	LOGG %	SHTR %	1000 G. W.	POWD %	SEPT TRIT	SEPT NODD	SEPT BPP	FRST DMGE	SCAB %	HELM	FUS GRAM
76	94.0	23.3	10.0	39.3	39.0	41.9	46.0	89.0	70.0	18.0	61.5	38.0
77	99.3	18.2	7.0	47.7	33.0	23.6	29.8	89.0	5.0	11.0	61.5	38.0
78	108.3	17.6	7.0	48.8	27.5	19.6	18.0	89.0	50.0	18.0	78.0	25.0
79	112.3	17.3	7.0	46.9	22.0	18.0	20.4	89.0	50.0	12.5	67.0	25.0
80	108.8	18.9	11.7	47.5	44.0	21.3	17.8	89.0	50.0	18.0	67.0	38.0
81	94.4	17.2	10.3	43.0	55.5	22.6	34.5	89.0	100.0	22.0	67.0	38.0
82	87.2	16.5	3.7	42.0	44.5	24.3	30.6	89.0	60.0	11.0	56.0	50.0
83	87.1	13.3	3.7	43.4	44.5	24.7	36.2	89.0	85.0	18.0	67.0	50.0
84	94.9	20.2	6.7	43.9	33.0	30.0	41.6	100.0	60.0	22.0	61.5	25.0
85	92.3	19.0	3.7	41.3	33.0	35.1	34.4	100.0	60.0	11.0	56.0	25.0
86	103.4	10.3	10.3	44.2	33.0	25.4	22.4	89.0	40.0	11.0	56.0	13.0
87	113.6	9.5	5.0	45.7	33.0	27.1	24.8	89.0	60.0	11.0	67.0	13.0
88	109.3	11.1	5.0	45.6	38.5	29.3	20.4	89.0	70.0	11.0	56.0	13.0
89	111.5	15.0	5.0	46.6	38.5	30.7	15.8	89.0	70.0	11.0	61.5	13.0
90	111.7	14.0	0.3	46.2	33.0	30.6	18.2	89.0	60.0	11.0	56.0	13.0
91	113.3	16.2	0.3	47.1	22.0	30.4	22.4	89.0	70.0	11.0	56.0	13.0
92	86.2	17.9	5.0	43.3	39.0	33.4	40.3	89.0	100.0	44.0	78.0	63.0
93	110.1	19.7	5.0	46.3	44.0	24.0	20.4	89.0	85.0	22.0	67.0	13.0
94	109.9	17.5	8.3	43.6	55.5	20.7	26.0	89.0	100.0	23.5	67.0	13.0
95	109.2	20.6	15.0	44.7	55.5	25.3	23.0	89.0	85.0	22.0	78.0	13.0
96	109.8	21.6	18.3	46.3	44.5	22.7	32.0	89.0	80.0	33.0	56.0	13.0
97	112.2	18.3	5.0	43.2	44.5	20.9	32.0	89.0	80.0	29.0	67.0	13.0
98	108.8	20.5	11.7	43.8	39.0	25.7	22.6	89.0	90.0	22.0	67.0	13.0
99	116.3	11.4	23.3	49.1	33.0	16.4	18.6	89.0	50.0	22.0	61.5	13.0

Table 2. (Continued)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT. L	LEAF RUST	STEM RUST
100	LOCAL CHECK			3257.0	69.0	89.0	142.2	-----	13.7	8.7
101	MAPACHE			3101.8	60.6	87.0	139.8	0.1	4.7	0.1
102	BEAGLE			3418.4	62.8	90.3	146.4	0.1	6.0	6.4
103	PAVON 76			3159.4	76.0	92.1	140.2	0.0	4.8	5.4
104	FS381-FB477 X-17014-A-100Y-100Y-2M-1Y-1M-1Y- OM			2735.7	65.3	85.1	137.9	0.1	11.5	7.0
105	M2A X CNO"S"-GALLO X-17047-12Y-2Y-1B-1Y-4B-0Y			3159.6	64.6	83.6	140.1	0.1	11.1	0.9
106	M2A X CNO"S"-GALLO X-17047-13Y-1Y-2B-1Y-0B			2915.0	64.1	84.9	140.5	0.1	19.5	0.0
107	M2A-MEX#120 X-17050-11Y-1M-1Y-1B-1Y-1B-0Y			3398.3	63.8	86.8	143.2	0.1	8.0	0.1
108	M2A-MEX#120 X-17050-11Y-1Y-2B-1Y-3B-0Y			3114.9	61.9	90.0	144.2	0.1	4.8	0.1
109	IA-PI62 X-17075-23Y-1Y-1B-2Y-5B-1Y-0B			3390.5	61.2	90.7	144.9	0.1	9.9	0.0
110	CML X CNO-GALLO X-17077-2M-0Y			3225.0	63.9	88.4	144.9	0.5	11.4	0.0
111	IA-SPY X-17117-25Y-3Y-4B-0Y			3013.3	59.4	86.3	143.5	0.5	3.3	0.1
112	IA-SPY X CIN X-17140-6Y-1Y-1B-3Y-2B-0Y			2793.3	62.4	91.6	144.8	0.1	4.5	0.1
113	IA-SPY X CIN X-17140-10Y-1Y-0M			3106.9	59.6	88.5	143.7	0.5	6.2	0.0
114	M2A(2) X OCTO BULK-ARB X-18365-0-1Y-3M-1Y-0M			2970.7	65.2	93.5	145.2	0.5	2.8	0.1
115	BQL"S"-M2A X-18701-6Y-1M-1Y-1M-0Y			3621.0	71.1	92.1	146.9	0.1	6.8	0.1
116	BQL"S" X IA-CIN X-18711-4M-1Y-2M-0Y			3272.6	66.4	89.7	145.2	0.1	8.0	0.5
117	BQL"S"-RM"S" X-18713-2M-1Y-6M-0Y			3127.8	64.3	91.0	146.8	0.1	23.9	0.9
118	OCTO BULK31-CIN"R" X-18996-D-1Y-1M-4Y-2M-0Y			2819.8	63.3	88.4	143.3	0.1	8.8	0.0
119	GAZELLE X 6TA 204. T909-BVR"S" X-19050-100Y-1M-2Y-2M-4Y-0M			3279.7	61.1	90.4	144.2	0.0	3.8	0.0
120	FQ"S"-SPY X M2A X-19187-100Y-2Y-0M-3Y-0M			2668.0	60.8	87.2	141.8	0.1	9.1	0.2
121	FQ"S"-SPY X NV"S" X-19188-100Y-2Y-1M-0Y			2964.3	66.2	88.0	142.2	0.1	18.2	0.0
122	PQ"S"-CENT. BULK X ABN X-19260-100Y-2M-1Y-0M			3244.2	63.8	88.1	141.7	0.5	3.6	0.0
123	RM"S" X IA-CIN X-19401-2KE-OME-1Y-0B			2901.6	62.3	86.0	142.2	0.1	16.3	0.1



VTY	PLNT HT	LODG %	SHTR %	1000 G. W.	POWD %	SEPT TRIT	SEPT NODO	SEPT SPP.	FRST DMGE	SCAB %	HELM	FUS GRAM
100	90.7	21.6	0.0	43.1	55.5	32.0	36.0	89.0	50.0	0.0	78.0	38.0
101	93.2	12.3	11.7	40.1	50.0	28.7	48.0	100.0	10.0	33.0	78.0	25.0
102	107.0	15.9	10.0	44.2	44.0	19.4	27.0	89.0	20.0	11.0	78.0	0.0
103	82.6	15.3	0.0	37.5	56.0	43.4	48.0	100.0	30.0	11.0	67.0	25.0
104	88.3	23.1	10.0	37.1	55.5	43.9	50.0	89.0	20.0	33.0	78.0	63.0
105	86.9	15.1	10.0	40.8	55.5	28.7	41.0	89.0	20.0	44.0	56.0	50.0
106	88.2	17.8	13.3	39.9	55.5	32.1	43.4	89.0	25.0	44.0	56.0	25.0
107	86.7	18.0	18.3	41.1	55.5	38.7	45.6	89.0	90.0	44.0	67.0	25.0
108	87.6	7.7	13.3	43.1	50.0	35.3	36.6	89.0	40.0	34.5	56.0	13.0
109	91.7	15.3	6.7	42.2	55.5	37.0	34.2	89.0	70.0	33.0	67.0	63.0
110	93.7	17.9	10.0	40.3	33.0	28.9	27.4	89.0	50.0	22.0	67.0	25.0
111	92.9	17.6	10.0	39.0	39.0	34.1	36.4	89.0	40.0	23.5	67.0	13.0
112	87.6	8.4	17.7	37.7	33.5	38.6	31.8	89.0	100.0	33.0	56.0	38.0
113	93.3	19.3	8.3	40.2	44.5	37.1	32.0	89.0	60.0	0.0	56.0	38.0
114	95.8	25.3	14.7	39.1	56.0	29.0	26.0	89.0	100.0	0.0	67.0	38.0
115	107.9	21.8	3.3	48.8	33.0	35.3	34.4	89.0	60.0	11.0	67.0	13.0
116	106.5	18.7	6.7	43.0	33.0	32.3	31.8	89.0	100.0	11.0	56.0	13.0
117	109.2	20.8	3.7	44.8	56.0	32.3	27.6	89.0	60.0	5.5	67.0	0.0
118	90.6	17.4	6.7	40.4	33.0	36.9	34.5	89.0	100.0	33.0	61.5	88.0
119	89.6	19.6	3.3	41.8	39.0	32.0	33.8	89.0	70.0	33.0	56.0	38.0
120	82.2	23.8	6.7	39.3	55.5	32.3	31.5	89.0	100.0	56.0	56.0	75.0
121	88.5	36.8	8.3	37.6	50.0	30.9	25.5	89.0	100.0	11.0	67.0	63.0
122	88.9	20.8	5.0	43.3	33.0	33.9	40.6	89.0	60.0	33.0	67.0	63.0
123	86.4	22.6	5.0	40.3	33.0	38.9	31.5	89.0	100.0	22.0	78.0	50.0

Table 2. (Continued)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST MT	FLOW DAYS	MAT DAYS	STRP RT. L	LEAF RUST	STEM RUST
124	RM"S" (BGL-IGA X KLA/CML) X-19404-E-2Y-1M-1Y-1M-1Y-OM			3395.8	66.5	93.8	146.6	0.0	9.5	0.1
125	TEDDY"S" X-19649-A-9Y-1Y-1M-1Y-101B-OY			3265.0	69.0	87.5	143.7	0.5	15.5	0.1
126	KLA"S"-CIN"R" X NV"S" X-19943-C-1Y-6M-11Y-OM			2746.6	64.4	91.4	146.2	0.0	11.0	0.1
127	IRA-CIN/7C X TOB-NP X-20631-1Y-1B-1Y-2B-1Y-OB			2919.0	65.2	93.0	145.4	0.0	2.3	0.1
128	HIRA(HD1941)-P0"S" X-20715-2Y-3B-1Y-4B-OY			3233.7	61.3	92.6	148.5	0.1	4.6	0.1
129	JUPATECO73-P0"S" X-20717-2Y-1B-2Y-OB			2469.8	60.0	92.0	146.1	0.5	5.9	0.5
130	BCM-PM2B BULK X-20788-3M-1Y-100M-OY			2991.2	62.0	89.5	144.5	0.0	7.8	0.0
131	JUANILLO 124			3503.1	65.3	95.7	147.9	0.5	17.1	1.9
132	DELFIN 50			3419.9	67.4	93.3	148.7	0.5	15.4	0.5
133	DELFIN 70			3366.5	69.2	91.4	147.8	0.1	24.0	1.6
134	JUANILLO 85 X-21295			3331.8	65.6	97.0	151.8	0.5	22.2	2.1
135	JUANILLO 86 X-21295			3820.9	66.4	91.7	148.9	1.0	18.1	4.1
136	JUANILLO 87 X-21295			3683.4	66.3	90.5	148.1	0.5	21.3	2.9
137	JUANILLO 88 X-21295			3676.8	65.9	90.5	148.1	0.5	21.1	6.5
138	JUANILLO 89 X-21295			3531.3	66.5	90.0	147.6	1.0	27.1	5.5
139	JUANILLO 90 X-21295			3719.2	65.6	90.2	147.8	1.0	24.7	3.4
140	JUANILLO 91 X-21295			3866.2	65.5	93.2	150.8	0.5	25.1	4.0
141	JUANILLO 92 X-21295			3850.0	65.5	90.0	147.4	0.5	21.9	5.8
142	JUANILLO 93 X-21295			3782.7	66.8	90.2	147.3	1.0	21.0	5.8
143	JUANILLO 95 X-21295			4064.0	66.3	90.9	147.8	1.0	19.9	3.8
144	JUANILLO 96 X-21295			4110.6	65.1	90.9	147.4	1.0	25.1	4.2
145	JUANILLO 97 X-21295			3918.3	65.6	89.5	146.9	1.0	22.3	4.4
146	JUANILLO 98 X-21295			3901.1	65.0	91.8	148.2	0.5	20.8	3.8
147	JUANILLO 99 X-21295			3712.7	66.5	92.8	148.5	0.5	21.5	3.9

VTY	PLNT HT	LODG %	SHTR %	1000 G. W.	POWD %	SEPT TRIT	SEPT NODO	SEPT SPP.	FRST DMGE	SCAB %	HELM	FUS GRAM
124	98.8	17.7	5.0	40.4	38.5	24.1	27.6	89.0	25.0	11.0	67.0	50.0
125	97.6	18.9	10.0	40.1	44.5	30.7	47.4	89.0	50.0	11.0	67.0	50.0
126	93.4	17.9	13.3	44.6	33.0	28.9	36.0	89.0	60.0	18.0	56.0	63.0
127	100.4	19.9	10.0	41.0	44.5	31.7	45.4	100.0	60.0	33.0	61.5	75.0
128	111.6	16.0	3.3	43.4	39.0	30.7	23.0	89.0	10.0	22.0	56.0	0.0
129	90.8	11.5	3.3	38.4	44.5	29.0	31.0	89.0	100.0	23.5	56.0	63.0
130	83.9	15.2	5.0	37.0	44.5	22.4	32.2	89.0	10.0	33.0	44.0	63.0
131	113.9	23.6	6.7	46.3	22.0	24.0	20.4	89.0	30.0	11.0	44.0	0.0
132	116.1	22.9	6.7	45.9	38.5	29.1	15.4	89.0	30.0	11.0	67.0	0.0
133	109.2	21.2	16.7	40.7	44.0	31.0	18.0	89.0	30.0	11.0	61.5	13.0
134	118.1	26.7	3.7	45.5	56.0	24.4	20.2	89.0	35.0	11.0	67.0	0.0
135	118.5	27.6	3.3	48.2	44.5	22.6	22.6	89.0	30.0	11.0	50.0	0.0
136	117.9	25.8	6.7	47.4	33.0	22.6	25.2	89.0	30.0	11.0	44.0	0.0
137	116.5	25.8	10.0	47.1	38.5	22.6	18.6	89.0	30.0	11.0	56.0	0.0
138	117.2	25.7	3.3	48.9	38.5	22.6	23.0	89.0	30.0	11.0	56.0	0.0
139	116.2	26.5	3.3	46.9	39.0	25.7	18.0	89.0	30.0	11.0	67.0	0.0
140	118.1	26.1	10.0	48.6	33.0	27.3	20.2	89.0	30.0	11.0	56.0	0.0
141	117.1	27.3	0.0	46.0	50.0	24.4	20.4	89.0	30.0	11.0	33.0	0.0
142	116.4	22.8	5.0	47.0	50.0	27.7	23.0	89.0	30.0	11.0	50.0	0.0
143	116.5	24.9	10.0	51.8	50.0	25.9	25.2	89.0	30.0	22.0	56.0	0.0
144	115.7	25.2	5.0	47.7	38.5	21.0	24.8	89.0	30.0	22.0	67.0	0.0
145	115.6	20.7	10.0	47.5	38.5	21.1	18.0	89.0	30.0	11.0	61.5	0.0
146	114.7	20.0	5.0	45.4	27.5	25.7	27.2	89.0	30.0	11.0	56.0	0.0
147	114.7	21.2	15.0	48.0	22.0	25.7	22.6	89.0	30.0	11.0	56.0	0.0

Table 2. (Continued)

VTY NO	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT. L	LEAF RUST	STEM RUST
148	JUANILLO 100 X-21295			4159.6	66.2	91.3	147.8	0.5	21.4	5.1
149	JUANILLO 16B X-21295			3801.9	65.2	92.0	148.2	0.5	14.7	3.0
150	JUANILLO 207 X-21295			3643.2	65.7	90.7	147.4	0.5	19.5	5.8
151	JUANILLO 317 X-21295-0M-2Y-1M-0Y			3608.2	62.1	91.4	146.4	0.5	13.3	4.1
152	BOL "S" - IRA X-21534-35M-2M-1Y-1M-0Y			3241.3	64.8	95.2	148.7	0.0	6.3	16.5
153	RM X M2A-BOL "S" X-22099-100Y-3Y-5M-1Y-0M			3020.9	60.7	86.7	144.5	0.0	2.4	0.5
154	RM X H277.69-UMX2(2) X-22107-100Y-1M-2Y-3M-1Y-0M			3371.2	63.5	86.0	144.2	0.1	5.1	0.1
155	RM X H277.69-UMX2(2) X-22107-100Y-1M-2Y-3M-4Y-0M			3396.4	62.8	85.3	141.5	0.1	4.4	0.0
156	BEAQUELITA "S" X-22427-100Y-1Y-7M-1Y-0M			3262.4	64.5	96.8	152.1	0.5	3.2	0.1
157	BEAQUELITA "S" X-22427-100Y-2M-2Y-0M			3445.0	57.5	88.0	144.8	0.1	4.1	0.0
158	BEAQUELITA "S" X-22427-101Y-2M-3Y-4M-2Y-0M			3447.0	59.9	91.5	145.6	0.1	2.3	0.1
159	BEAQUELITA "S" X-22427-101Y-2M-3Y-6M-1Y-0M			3355.3	60.7	91.6	146.1	0.1	1.8	0.1
160	BEAQUELITA "S" X-22427-101Y-2M-3Y-9M-1Y-0M			3291.0	59.9	91.9	146.9	0.1	2.2	0.1
161	BEAQUELITA "S" X-22427-101Y-3M-1Y-1M-2Y-0M			3087.8	58.2	92.0	146.6	0.1	3.1	0.1
162	BOL "S" / BOL "S" X ITA-LED X-22551-100Y-100Y-13M-1Y-1M-0Y			3659.6	62.6	95.7	151.8	0.1	3.8	0.1
163	(IRA-CIN/7C X TOB-NP)ABN "S" X-25577-8-2Y-1B-3Y-0B			3418.3	61.6	88.9	142.2	0.1	9.3	0.2
164	POLAR "S" X-22591-100Y-100Y-1M-1Y-1M-1Y-0M			2333.0	66.2	84.4	141.7	0.1	9.6	0.3
165	POLAR "S" X-22591-100Y-101Y-4M-1Y-0M			3633.1	68.6	84.6	138.2	0.0	9.3	0.1
166	POLAR "S" X-22591-101Y-1Y-5M-4Y-0M			2882.2	64.0	95.6	151.1	0.1	5.9	0.1
167	YR (RESEL) - WRENS X M2A X-22725-1M-2Y-1M-2Y-0M			3238.1	66.9	89.3	144.9	0.1	14.7	0.0
168	YE X KLA-IA X-23631-15Y-1M-1Y-0M			3003.2	61.8	88.8	144.6	0.1	8.9	0.1
169	BOL-BUI X-32641-1Y-2B-2Y-0B			3105.8	64.1	86.1	139.7	0.0	3.5	0.0
170	NV-M1A X-23646-7Y-7M-2Y-0M			3321.0	63.4	83.4	139.3	0.1	2.7	0.0

VTY	PLNT HT	LDDG %	SHTR %	1000 G. W.	POND %	SEPT TRIT	SEPT NODO	SEPT SPP.	FRST DHGE	SCAB %	HELM	FUS GRAM
148	115.8	20.9	5.0	48.3	39.0	19.4	27.6	89.0	35.0	11.0	78.0	0.0
149	113.8	18.8	5.0	47.3	33.0	25.7	25.2	89.0	20.0	11.0	67.0	0.0
150	116.1	26.5	5.0	47.1	44.0	26.1	23.0	89.0	40.0	11.0	67.0	0.0
151	111.2	20.5	0.0	47.2	39.0	37.4	32.2	89.0	40.0	0.0	56.0	0.0
152	94.5	17.1	8.3	36.6	33.0	32.9	28.8	89.0	100.0	23.5	61.5	75.0
153	93.4	32.2	6.7	40.5	61.0	34.3	34.2	89.0	5.0	29.0	50.0	25.0
154	95.9	28.9	3.3	35.0	61.0	32.1	38.6	89.0	50.0	56.0	61.5	25.0
155	97.0	26.4	10.0	34.8	56.0	32.1	25.5	89.0	100.0	44.0	61.5	25.0
156	105.8	18.0	6.7	48.8	38.5	30.7	20.4	78.0	5.0	44.0	61.5	13.0
157	98.1	14.5	6.7	44.4	27.5	30.9	29.0	89.0	100.0	11.0	44.0	25.0
158	99.1	8.8	5.0	43.3	44.5	27.4	26.3	89.0	100.0	11.0	33.0	13.0
159	99.3	10.6	6.7	43.7	38.5	24.7	26.8	89.0	100.0	11.0	50.0	13.0
160	97.9	10.3	8.3	42.7	50.0	30.9	29.5	89.0	100.0	11.0	50.0	13.0
161	102.6	15.8	8.3	40.7	38.5	30.7	29.0	89.0	100.0	11.0	56.0	0.0
162	101.3	22.3	6.7	48.6	33.0	25.6	32.0	89.0	20.0	11.0	78.0	0.0
163	94.3	13.4	7.0	42.2	39.0	28.6	37.5	100.0	100.0	22.0	56.0	25.0
164	87.4	13.1	3.3	34.2	50.0	44.0	29.8	89.0	60.0	33.0	78.0	88.0
165	90.6	16.4	6.7	37.5	50.0	52.0	31.8	89.0	100.0	22.0	78.0	75.0
166	97.1	14.7	1.7	39.1	33.5	27.0	35.0	89.0	100.0	11.0	67.0	25.0
167	94.5	14.4	10.0	36.2	33.5	33.6	26.0	89.0	100.0	11.0	67.0	38.0
168	87.5	15.8	10.0	40.1	50.0	32.1	20.5	89.0	100.0	33.0	67.0	38.0
169	87.0	31.6	3.3	37.3	50.0	42.1	46.8	89.0	100.0	33.0	56.0	75.0
170	84.0	14.8	6.7	38.3	33.5	38.7	32.0	89.0	100.0	33.0	56.0	50.0

Table 2. (Continued)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT. L	LEAF RUST	STEM RUST
171	RM"S"-HISI X-23770-1Y-3M-1Y-0M			3349.7	63.4	88.7	145.2	0.1	2.0	10.1
172	IA-NV"R" X-23988-B-1Y-1M-1Y-0M			3694.9	64.7	88.2	142.6	0.1	9.4	3.9
173	GAZELLE"S"-ABN"R" X-24150-7M-4Y-2M-1Y-0M			2603.0	64.3	87.8	141.8	0.0	7.1	0.1
174	M2A-BULK E2 X NV"S" X-24207-3Y-1M-3Y-1M-0Y			3530.4	66.9	87.3	141.8	0.0	8.3	0.8
175	M2A-BULK E2 X NV"S" X-24207-3Y-1M-3Y-2M-1Y-0M			3309.5	66.5	86.6	140.9	0.1	3.4	0.2
176	M2A-BULK E2 X CML"S" X-24209-3Y-1M-5Y-1M-2Y-0M			3362.5	63.5	90.9	144.2	0.1	3.3	0.1
177	BUNNY-BOL"S" X-24275-1Y-1M-3Y-0M			2960.9	62.0	89.2	143.8	0.1	6.1	0.1
178	ABN"R"-M1A X-24319-1Y-4M-2Y-0M			3364.2	64.1	87.4	141.3	0.1	2.3	0.0
179	ABN"R"-M1A X-24319-1Y-3M-1Y-0M			3311.6	63.1	85.0	140.2	0.1	3.1	0.2
180	LOBO"R"-RM"S" X-24351-11H-3Y-1M-0Y			3116.8	65.4	88.8	142.8	0.1	7.4	1.6
181	FS1795-LNC X-24369-4H-1Y-1M-1Y-0M			3880.7	70.6	93.0	147.2	0.1	5.6	0.0
182	M1A-ABN X-24383-2H-2Y-1M-1Y-0M			3043.2	64.3	87.2	141.2	0.1	9.1	0.0
183	M1A-ABN X-24383-2H-1Y-0M			3032.0	62.7	87.3	142.8	0.1	7.8	5.9
184	M1A-FB477 X-24401-B-1Y-3M-1Y-1M-2Y-0M			3093.5	65.2	90.7	143.0	0.1	2.3	0.2
185	M1A-FB477 X-24401-B-1Y-3M-1Y-1M-3Y-0M			3302.4	65.3	91.0	144.2	0.1	2.7	0.1
186	M1A-FB477 X-24401-B-1Y-3M-1Y-1M-4Y-0M			3178.6	64.3	94.0	147.0	0.1	1.7	0.1
187	M1A-FB477 X-24401-B-1Y-3M-1Y-2M-1Y-0M			3485.0	65.0	93.3	144.5	0.1	3.7	0.0
188	M1A-FB477 X-24401-B-1Y-3M-1Y-2M-4Y-0M			3364.3	65.2	91.6	144.2	0.1	2.1	0.0
189	T0B-CNO"S" X M2A/RM X-24068-C-2Y-1M-1Y-0M			3488.2	66.1	86.0	140.3	0.1	3.7	0.1
190	M2A-RM X-24548-3Y-3M-2Y-0M			3704.8	63.6	92.2	147.3	0.1	4.7	0.1
191	M2A-RM X-24548-3Y-3M-3Y-0M			3609.0	62.4	91.8	144.5	0.1	12.9	0.3
192	ABN"R"-M1A X-24551-8Y-3M-1Y-0M			3764.9	63.6	87.9	143.6	0.0	5.2	0.0
193	RM-CML"S" X-24656-2H-2Y-2M-2Y-0M			3464.1	62.7	86.9	142.2	0.1	6.5	0.0

VTY	PLNT HT	LODG %	SHTR %	1000 Q. W.	POWD %	SEPT TRIT	SEPT NODO	SEPT SPP.	FRST DMGE	SCAB %	HELM	FUS GRAM
171	95.5	15.9	1.7	37.5	39.0	31.9	29.2	89.0	50.0	23.5	61.5	25.0
172	90.3	14.4	13.3	38.2	50.0	33.9	31.8	89.0	100.0	22.0	50.0	63.0
173	83.9	11.3	8.3	38.3	61.5	33.6	26.0	89.0	100.0	33.0	50.0	63.0
174	90.0	16.6	8.3	38.7	44.0	28.9	38.6	89.0	70.0	22.0	44.0	63.0
175	88.7	15.5	5.0	38.1	39.0	35.1	26.0	89.0	100.0	33.0	56.0	63.0
176	96.8	21.4	1.7	40.2	56.0	30.4	29.0	89.0	100.0	33.0	50.0	50.0
177	90.9	26.0	1.7	39.5	56.0	33.6	23.3	89.0	100.0	33.0	44.0	50.0
178	89.8	22.4	5.0	40.0	33.0	42.0	36.4	89.0	50.0	22.0	67.0	63.0
179	88.7	34.4	7.0	40.1	39.0	42.0	34.2	100.0	70.0	22.0	56.0	38.0
180	93.8	32.3	7.0	41.0	44.0	30.4	29.6	89.0	70.0	22.0	44.0	50.0
181	107.8	15.2	3.3	48.2	38.5	20.6	20.0	89.0	100.0	11.0	67.0	25.0
182	83.2	9.4	6.7	39.7	56.0	28.7	25.2	100.0	70.0	22.0	44.0	63.0
183	87.0	7.9	6.7	35.8	56.0	38.4	26.0	89.0	100.0	11.0	56.0	63.0
184	89.2	24.4	0.0	37.9	27.5	35.3	20.5	89.0	100.0	22.0	56.0	50.0
185	89.3	28.3	5.0	38.3	27.5	27.0	23.3	89.0	100.0	11.0	50.0	50.0
186	88.2	25.9	8.3	35.9	22.0	29.0	26.3	89.0	100.0	11.0	61.5	50.0
187	89.5	24.5	1.7	38.2	11.0	30.3	20.5	89.0	100.0	11.0	56.0	25.0
188	90.4	30.9	8.3	39.8	50.0	38.3	23.3	89.0	100.0	11.0	56.0	25.0
189	90.7	29.9	6.7	36.9	38.5	40.4	26.3	89.0	100.0	33.0	44.0	88.0
190	94.0	14.7	3.3	41.9	33.0	35.1	20.8	89.0	60.0	5.5	50.0	63.0
191	94.5	14.1	3.3	41.2	22.0	37.3	23.3	89.0	100.0	11.0	78.0	63.0
192	89.8	18.6	8.3	37.8	44.5	30.6	31.8	89.0	60.0	22.0	33.0	75.0
193	94.5	26.7	0.3	37.9	39.0	39.1	23.0	89.0	60.0	33.0	72.0	38.0

Table 2. (Continued)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT. L	LEAF RUST	STEM RUST
194	IA-ABN"R" X-24686-B-1Y-3M-1Y-3M-3Y-0M			3403.6	65.1	88.5	142.6	0.1	3.2	0.2
195	M2A-RM X-24706-1KE-3Y-0B			3339.8	63.5	85.0	142.1	0.1	9.8	0.0
196	6 X M3-RM X-25062-2Y-3M-2Y-0M			3387.9	65.6	83.5	140.0	0.1	7.9	0.1
197	M2A-IA X ARS/NDIIAFROMBERG X-25424-6B-2Y-1B-3Y-0B			3127.7	61.1	86.7	140.6	0.0	16.8	0.0
198	YE-T0866 X-25433-3B-4Y-4B-1Y-0B			3396.2	62.7	86.7	140.8	0.0	17.7	0.1
199	ABN-SAPBUCKER"S" X-25449-2B-3Y-2B-1Y-0B			3215.7	62.1	85.4	140.5	0.1	4.4	0.0
200	LOCAL CHECK			3471.4	67.6	89.4	142.7	16.0	12.3	11.6
201	MAPACHE			3272.8	59.8	86.8	139.8	0.1	7.5	0.0
202	BEAGLE			3493.3	61.5	91.3	146.3	0.5	6.5	5.9
203	PAVON 76			3127.5	76.4	91.0	139.0	0.5	3.5	2.4
204	ABN-SAPBUCKER"S" X-25449-5B-3Y-1B-0Y			2966.3	64.3	90.6	142.5	0.0	1.6	2.5
205	ABN-SAPBUCKER"S" X-25449-5B-3Y-4B-1Y-0B			3311.8	62.6	90.2	143.2	0.0	2.3	0.0
206	ABN-SAPBUCKER"S" X-25449-5B-4Y-2B-1Y-0B			3064.6	62.0	90.0	143.1	0.0	0.4	0.0
207	ABN-SAPBUCKER"S" X-25449-5B-4Y-4B-1Y-0B			3096.8	62.9	88.8	142.6	0.0	2.3	0.0
208	(IRA-CIN/7C X T08-NP)ABN"S" X-25577-B-2Y-1B-2Y-0B			3218.9	61.5	88.5	142.5	1.0	10.7	0.1
209	BGL"S"-PJ62 X NV"R" X-25664-A-1Y-4B-1Y-1B-0Y			2892.4	63.9	86.0	140.3	0.1	4.0	0.0
210	BGL"S"-PJ62 X NV"R" X-25664-A-1Y-4B-2Y-1B-0Y			3194.8	63.2	86.0	140.8	0.0	4.7	3.1
211	IRA-KAL X YE X-25696-A-1Y-3B-1Y-2B-0Y			3347.6	64.0	89.7	143.3	0.0	4.8	0.5
212	IRA-KAL X ABN X-25697-B-1Y-1B-1Y-1B-0Y			3350.8	63.0	89.3	142.1	0.1	4.5	0.0
213	IRA-KAL X ABN X-25697-B-1Y-1B-1Y-1B-1Y-0B			3248.2	62.1	89.0	142.1	0.0	8.5	0.0
214	IRA-KAL X ABN X-25697-B-1Y-1B-1Y-3B-0Y			3375.1	63.1	89.1	141.9	0.0	7.9	0.0
215	IRA-KAL X ABN X-25697-B-1Y-1B-1Y-4B-1Y-0B			3144.0	61.0	89.0	141.8	0.0	5.2	0.0
216	T107.1B-M2A X M2A X-25723-B-1Y-5M-1Y-0M			3530.5	65.3	91.8	144.0	0.1	1.5	0.0
217	T107.1B-M2A X M2A X-25723-B-1Y-6M-1Y-0M			3331.7	63.7	89.0	142.7	0.1	3.1	0.4
218	[M2A(BVR-T08I"S" X ARS/CIN)]ABN X-26097-D-100Y-19M-1Y-0M			3029.0	61.2	87.0	141.3	0.1	10.5	0.0



VTY	PLNT HT	LDDG %	SHTR %	1000 G. W.	POWD %	SEPT TRIT	SEPT NODD	SEPT SPP.	FRST DMGE	SCAB %	HELM	FUS GRAM
194	92.9	34.8	0.3	42.0	44.5	37.4	35.3	89.0	100.0	11.0	44.0	38.0
195	86.9	25.8	3.7	40.0	50.0	38.4	31.8	89.0	30.0	18.0	33.0	63.0
196	85.8	27.2	1.7	38.3	44.5	50.1	25.4	100.0	10.0	11.0	44.0	38.0
197	85.2	18.2	5.0	40.5	50.0	43.9	25.2	89.0	10.0	33.0	44.0	63.0
198	85.4	15.3	5.0	40.0	67.0	46.9	36.4	89.0	40.0	22.0	33.0	63.0
199	88.9	25.8	11.7	37.0	44.5	42.0	38.6	89.0	80.0	22.0	56.0	38.0
200	91.2	17.1	0.0	42.9	66.5	43.4	37.5	89.0	100.0	11.0	56.0	38.0
201	94.5	11.2	1.7	41.0	38.5	36.7	34.5	100.0	100.0	11.0	67.0	25.0
202	107.3	15.9	3.7	45.5	44.5	26.0	13.6	89.0	50.0	11.0	50.0	0.0
203	83.9	19.2	0.0	38.3	56.0	48.4	37.3	100.0	100.0	11.0	78.0	25.0
204	93.9	37.0	3.7	37.5	39.0	46.6	34.8	89.0	100.0	11.0	39.0	25.0
205	93.4	37.6	11.7	34.6	44.0	38.4	26.0	89.0	100.0	11.0	44.5	50.0
206	97.7	35.8	5.0	38.6	50.0	43.4	34.5	89.0	100.0	11.0	56.0	50.0
207	96.9	42.5	3.3	42.4	44.0	45.0	34.5	89.0	100.0	11.0	56.0	63.0
208	89.1	24.0	3.3	42.9	44.5	36.9	28.8	89.0	100.0	22.0	44.0	63.0
209	87.7	37.2	0.3	37.4	38.5	38.7	26.0	89.0	100.0	11.0	56.0	13.0
210	90.8	37.7	0.0	39.7	44.5	33.9	22.8	89.0	100.0	22.0	50.0	13.0
211	91.2	34.7	0.3	40.0	50.0	35.1	22.8	89.0	100.0	33.0	44.5	50.0
212	85.6	25.5	3.3	37.6	33.5	35.1	25.5	89.0	100.0	11.0	50.0	63.0
213	85.1	27.5	10.0	38.7	50.0	30.3	25.5	89.0	100.0	11.0	44.0	38.0
214	86.0	25.1	12.0	38.9	44.5	35.1	22.8	89.0	100.0	11.0	44.0	38.0
215	86.5	21.4	5.3	39.1	44.5	30.3	25.5	89.0	100.0	11.0	56.0	50.0
216	97.4	15.6	1.7	41.1	39.0	30.1	31.8	100.0	100.0	33.0	50.0	38.0
217	95.5	17.4	5.0	40.6	44.5	35.4	29.8	100.0	60.0	11.0	61.5	50.0
218	90.3	20.6	0.3	44.1	56.0	39.9	34.4	100.0	50.0	22.0	44.0	38.0

Table 2. (Continued)

VTY NO	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT. L	LEAF RUST	STEM RUST
219	RM"S"-IRA X FS477 X-26115-E-1Y-1M-100Y-100M-101Y-OB			3336.9	65.0	89.6	141.9	0.0	2.9	0.0
220	M2A-RM X-27342-13Y-1M-0Y			3553.7	63.2	85.8	142.5	0.1	1.1	0.0
221	IA-CIN X M1A X-27554-A-1M-6Y-3M-1Y-0M			3262.4	65.8	85.5	140.5	0.0	8.7	0.0
222	M1A-BCM X-27592-B-5M-1Y-1M-1Y-0M			3082.1	64.5	84.6	140.1	0.0	10.0	0.1
223	ABN-M2A X-27669-B-4M-1Y-0M			3142.6	62.2	88.3	141.5	0.0	13.5	0.4
224	BGL"S" X BUEY-BGL"S" X-27695-B-1M-1Y-1M-0Y			3564.3	64.3	92.6	146.8	0.0	12.5	1.0
225	M2A-M1A X-27947-22M-1Y-0M			3477.9	66.1	88.6	141.9	0.5	8.1	0.0
226	M2A-M1A X-27947-22M-9Y-0M			3326.8	64.4	86.4	140.9	0.1	4.2	0.2
227	TCL E3-ARM"S" X RAHUM"S" X-28023-6H-1Y-1M-2Y-0M			3080.5	63.0	90.4	142.3	0.5	6.0	0.1
228	RAHUM"S"-PANTHER"R" X-29340-1M-1Y-4M-2Y-0M			3528.4	64.2	88.2	143.3	0.1	2.8	0.1
229	YOCO-M1A X-29350-4H-1Y-1M-0Y			3002.9	63.5	85.5	140.1	0.1	9.7	1.0
230	FB381-FS1795 X-29387-1KE-1Y-0B			3668.2	65.2	91.7	145.8	0.0	6.8	0.1
231	IRA-ABN"R" X M2A X-29591-C-1M-1Y-0M			2696.5	62.2	85.0	139.2	0.1	11.5	0.0
232	CML"S"-M2A X ABN"R" X-29589-H-1M-6Y-0M			3265.9	60.8	88.7	141.3	0.0	15.8	2.0
233	NV"R"-CML"S" X ABN"R" X-29664-B-10M-1Y-1M-0Y			2949.1	63.0	91.1	144.2	0.0	13.3	0.0
234	UP301-BPY X RM"B"/ABN"S" X-29733-A-4M-3Y-3M-2Y-0M			3115.1	64.1	90.9	143.9	0.5	6.4	0.0
235	173.4-BCM X M2A X-29806-A-1M-6Y-1M-1Y-0M			3169.9	65.0	88.6	142.4	0.1	9.5	0.5
236	173.4 X IA-BUSH/FS154 X-29809-A-1M-1Y-1M-1Y-0M			3206.2	62.9	90.1	141.3	0.1	3.2	0.1
237	IA-FS1897 X M2A X-30033-B-1M-2Y-1M-0Y			3490.6	64.5	88.9	142.4	0.1	16.6	0.0
238	M2A-WW15 X-30276-3B-1Y-1B-1Y-0B			2227.9	60.9	88.1	140.8	0.0	5.5	0.1
239	M2A-WW15 X-30276-3B-7Y-3B-1Y-0B			2510.2	63.3	93.4	145.8	0.0	7.8	0.1
240	CIN"R"-M2A(2) X-31082-1Y-1M-1Y-0M			3173.3	64.9	86.5	139.7	0.1	9.0	1.0
241	CIN"R"-M2A(2) X-31082-3Y-8M-1Y-0M			3387.6	64.4	85.7	140.9	0.1	6.6	0.1

VTY	PLNT HT	LODG %	SHTR %	1000 G. M.	POWD %	SEPT TRIT	SEPT NODO	SEPT SPP.	FRST DMGE	SCAB %	HELM	FUS GRAM
219	88.8	31.8	5.0	40.4	38.5	41.7	43.5	89.0	100.0	22.0	56.0	38.0
220	90.0	26.3	8.3	39.8	27.5	32.1	23.3	89.0	100.0	22.0	67.0	25.0
221	87.9	20.4	5.0	39.1	44.0	37.1	29.0	100.0	100.0	11.0	33.0	63.0
222	86.7	17.4	1.7	37.5	33.0	38.9	36.6	100.0	50.0	22.0	44.0	25.0
223	87.0	14.9	6.7	38.3	44.5	40.0	23.3	89.0	100.0	22.0	44.0	63.0
224	100.0	14.1	3.3	39.9	33.0	25.3	23.3	89.0	100.0	0.0	56.0	0.0
225	91.3	19.6	3.3	41.4	27.5	30.4	20.5	89.0	100.0	11.0	44.0	25.0
226	90.6	35.2	6.7	38.7	44.0	37.0	23.3	89.0	100.0	30.5	44.0	25.0
227	89.0	36.3	3.3	35.7	38.5	35.1	26.0	89.0	100.0	33.0	56.0	25.0
228	88.5	18.7	3.7	39.9	44.0	32.3	32.0	89.0	50.0	22.0	44.0	63.0
229	87.7	15.3	1.7	35.4	44.0	36.1	29.0	100.0	100.0	11.0	33.0	38.0
230	92.1	24.2	0.3	39.4	27.5	30.4	23.3	89.0	100.0	5.5	61.5	50.0
231	78.9	15.2	8.3	38.9	27.5	35.4	31.8	89.0	100.0	22.0	44.0	63.0
232	91.1	13.2	3.7	38.0	56.0	43.7	28.8	89.0	100.0	11.0	50.0	63.0
233	87.1	14.1	8.3	40.8	39.0	36.9	20.5	89.0	100.0	44.0	56.0	75.0
234	88.4	22.4	5.0	36.9	27.5	38.4	32.0	89.0	60.0	33.0	50.0	63.0
235	91.5	14.2	5.0	39.2	38.5	37.3	37.3	89.0	100.0	22.0	44.0	50.0
236	94.4	23.7	7.0	39.8	38.5	36.9	34.5	89.0	100.0	11.0	44.0	38.0
237	87.4	21.2	7.0	37.2	50.0	33.6	37.3	100.0	100.0	11.0	56.0	63.0
238	87.1	9.7	7.0	37.1	50.0	38.9	28.8	89.0	100.0	22.0	56.0	50.0
239	89.4	18.4	3.3	38.9	33.0	36.3	25.3	89.0	100.0	33.0	61.5	38.0
240	90.6	25.9	1.7	35.5	33.0	37.0	28.8	89.0	100.0	22.0	67.0	75.0
241	90.8	19.3	6.7	43.9	33.0	37.0	22.8	100.0	100.0	11.0	56.0	75.0

Table 2. (Continued)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT. L	LEAF RUST	STEM RUST
242	NV X M2A-CIN X-31099-6Y-1M-0Y			3084.1	63.4	87.1	142.2	0.0	5.7	0.0
243	NV-LNC X-31100-5Y-1M-1Y-0M			3311.8	64.7	85.5	141.4	0.0	3.4	1.3
244	NV-LNC X-31100-5Y-1M-2Y-0M			3524.7	65.7	86.1	141.5	0.1	3.3	0.8
245	BCH-IRA X-31113-C-3Y-1M-0Y			2875.1	64.7	91.2	144.7	0.0	3.2	0.1
246	RM X OCTO BULK-BUSH X-31121-1Y-1M-1Y-0M			3565.0	63.4	87.1	142.8	0.0	3.2	0.1
247	RM"S"-M2A X-31124-7Y-3M-0Y			3315.9	59.6	91.0	144.2	0.0	2.3	0.5
248	ABN-FS1781 X-31133-3Y-4M-0Y			3169.7	63.9	87.4	140.8	0.5	5.1	0.5
249	BCH"S"-IA X-31186-6Y-3M-1Y-0M			3091.0	63.0	82.0	138.7	0.1	2.8	17.5
250	FB2376-M2A X-15974-18Y-3Y-3M-1Y-1B-0Y			2897.5	65.9	89.6	143.2	0.0	1.4	20.5
251	IA-FS551 X-31468-7Y-1M-1Y-0M			3657.0	64.0	88.1	143.5	0.1	1.7	0.0
252	M1A-FS1167 X-31569-2Y-3M-0Y			3054.6	61.6	89.8	144.2	0.0	4.5	0.5
253	IA-BUSH X GAZELLE X-31659-C-1Y-3M-1Y-0M			3562.5	64.3	87.2	140.4	0.1	13.1	0.1
254	IA-BUSH X GAZELLE X-31659-C-1Y-4M-0Y			3023.8	67.4	85.5	141.5	0.1	5.9	0.5
255	IA-BUSH X GAZELLE X-31659-C-2Y-1M-0Y			3100.8	62.2	85.6	140.3	0.0	6.5	0.1
256	FS1781-NV X-31711-100Y-103M-102Y-0B			3283.3	66.5	90.5	144.2	0.0	3.6	0.0
257	PANTHER"R" X OCTO BULK-BUSH X-31731-1Y-1M-1Y-0M			3363.0	65.4	87.0	141.5	0.0	14.8	5.1
258	PANTHER"R" X OCTO BULK-BUSH X-31731-6Y-2M-1Y-0M			3348.7	65.4	85.0	142.2	0.0	13.4	3.3
259	PANTHER"R" X OCTO BULK-BUSH X-31731-7Y-3M-1Y-0M			3606.2	65.0	86.5	140.5	0.0	6.6	0.1
260	PANTHER"R" X OCTO BULK-BUSH X-31731-8Y-3M-0Y			3687.0	66.3	91.3	144.5	0.1	15.0	0.1
261	PANTHER"R" X OCTO BULK-BUSH X-31731-24Y-9M-0Y			3152.8	63.9	91.3	145.5	0.1	6.7	0.1
262	PANTHER"R" X OCTO BULK-BUSH X-31731-24Y-12M-0Y			3589.5	65.3	91.0	144.6	0.1	14.3	0.0
263	BVR"S"8396-BGL X-31893-1Y-1M-0Y			2863.8	65.3	95.5	145.5	0.5	8.0	0.1
264	ABN-CHA#2 X-32636-2Y-3B-3Y-0B			3218.5	63.1	93.8	147.8	0.5	1.7	0.0

VTY	PLNT HT	LODG %	SHTR %	1000 Q. W.	POWD %	SEPT TRIT	SEPT NODD	SEPT SPP	FRST DMGE	SCAB %	HELM	FUS GRAM
242	92.6	27.9	1.7	36.3	33.0	33.9	37.5	89.0	100.0	11.0	44.0	88.0
243	92.8	16.4	5.0	37.0	22.0	31.7	34.5	89.0	100.0	11.0	44.0	38.0
244	93.0	22.4	3.7	37.8	33.5	33.6	26.0	89.0	100.0	11.0	44.0	38.0
245	85.0	17.9	3.7	39.7	38.5	33.6	31.5	89.0	100.0	22.0	67.0	75.0
246	87.6	19.6	10.3	39.1	22.0	38.7	43.8	89.0	100.0	22.0	56.0	75.0
247	91.9	22.7	8.3	38.8	33.0	35.4	39.0	89.0	80.0	33.0	50.0	38.0
248	89.9	11.1	8.3	40.7	38.5	28.7	25.5	89.0	100.0	33.0	33.0	63.0
249	83.9	23.4	1.7	40.0	56.0	35.3	23.3	89.0	100.0	44.0	33.0	88.0
250	96.3	32.8	8.3	37.6	33.0	33.7	31.8	89.0	100.0	33.0	50.0	88.0
251	100.5	24.1	3.7	45.1	38.5	28.9	31.8	89.0	100.0	22.0	61.5	63.0
252	91.1	38.2	3.3	39.5	44.0	30.3	25.5	89.0	100.0	11.0	44.0	63.0
253	89.8	27.3	0.3	37.1	33.0	25.6	35.0	89.0	100.0	22.0	56.0	63.0
254	85.8	19.6	8.3	39.3	38.5	28.4	34.0	89.0	50.0	33.0	44.0	75.0
255	87.7	26.4	5.0	40.4	39.0	32.1	26.0	89.0	100.0	22.0	67.0	88.0
256	90.9	33.2	3.3	37.2	50.0	33.4	31.8	89.0	100.0	44.0	67.0	88.0
257	90.3	16.4	1.7	43.1	44.0	27.1	28.8	89.0	100.0	22.0	44.0	63.0
258	88.3	15.0	0.0	41.2	50.0	32.1	36.0	89.0	60.0	33.0	44.0	63.0
259	91.7	22.4	1.7	45.9	39.0	24.0	36.0	89.0	80.0	33.0	56.0	63.0
260	93.1	20.7	1.7	39.3	44.0	20.4	34.0	89.0	100.0	22.0	56.0	63.0
261	88.0	6.9	16.7	42.4	33.5	28.9	31.3	89.0	100.0	11.0	50.0	63.0
262	95.9	11.6	23.3	42.6	38.5	30.3	31.5	89.0	100.0	33.0	67.0	75.0
263	94.9	10.4	16.7	43.2	27.5	30.4	45.6	89.0	50.0	11.0	50.0	88.0
264	99.6	22.2	5.0	48.4	27.5	27.3	37.0	89.0	40.0	11.0	61.5	88.0

Table 2. (Continued)

VTY NO	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT. L	LEAF RUST	STEM RUST
265	ABN-CHA#2 X-32636-2Y-3B-7Y-0B			3393.5	62.8	93.4	147.9	0.0	2.7	0.0
266	BQL"S"-PAVDN"S" X-32640-1Y-1B-0Y			2837.0	59.8	88.2	143.2	1.0	5.6	0.0
267	TCL E3-ARM"S"/CND"S"-CALLO X BB-INIA X-32694-2Y-2B-2Y-0B			2773.3	65.2	83.5	140.5	0.1	8.2	0.0
268	CML"S"-KAL X KAL X-3209-6Y-1B-1Y-0B			3177.0	58.6	89.8	145.8	0.5	6.5	0.1
269	(DRIRA/M2A-IA X ARS)ABN"R" X-32994-B-2Y-1M-3Y-0M			3521.9	63.3	89.5	145.6	0.0	6.4	0.1
270	BQL"S"-ABN"R" X NV"B" X-33107-K-1Y-1M-0Y			3302.1	64.9	87.9	144.2	0.0	8.9	5.6
271	ABN"S"-00 X ADDAX X-33108-M-6Y-1M-0Y			3600.9	65.5	92.9	144.8	0.5	1.5	0.0
272	E3-ARM"S" X M2A/ADDAX X-33113-J-1Y-1M-0Y			3278.7	60.5	92.3	147.5	0.0	3.0	0.0
273	SETTER-FS100/M2A-CIN X CML"S" X-33208-I-100Y-100M-102Y-0B			2785.2	59.4	88.9	143.2	0.0	3.2	0.1
274	ZILLINSKY126-BCM[(IA-M2A X PI62/BQL) YE] X-33247-B-1Y-1M-0Y			3098.7	63.3	86.2	144.2	0.1	3.0	0.1
275	W74.103-ADDAX/BQL-M2A X IRA X-33470-C-1Y-5M-1Y-0M			4217.4	68.3	87.6	145.1	0.1	4.2	0.1
276	SETTER-PANDA"R" X-34530-422H-2Y-0M			3149.1	68.1	85.1	140.4	0.0	1.9	0.3
277	PANDA"R"-MASTIFF"R" X-35783-387H-1Y-0M			3603.8	66.8	85.2	140.3	0.0	6.3	0.1
278	PANDA"R"-MASTIFF"R" X-35783-464H-1Y-0M			3155.4	65.4	80.8	139.4	0.1	7.6	0.9
279	PANDA"R" X OCTO BULK-BUSH X-35781-395H-1Y-0M			3408.7	66.3	83.8	139.2	0.5	4.0	0.9
280	PANDA"R"-MASTIFF"R" X-35783-400H-1Y-0M			3042.9	65.1	83.2	138.7	0.0	6.2	0.7
281	PANDA"R"-RAHUM X-36517-31H-3Y-0M			3433.5	65.7	85.2	141.0	0.1	4.9	0.1
282	PANDA"R"-RAHUM X-36517-288H-2Y-0M			3379.8	64.0	86.7	142.8	0.1	6.2	0.0
283	PANDA"R"-RAHUM X-36517-401H-1Y-0M			3143.3	67.6	88.1	143.7	0.5	8.5	0.1
284	PANDA"R"-RAHUM X-36517-623H-4Y-0M			3644.8	64.7	88.6	143.8	0.5	5.3	0.1
285	PANDA"R"-RAHUM X-36517-693H-3Y-0M			3152.9	64.8	87.8	143.4	0.1	6.6	0.1
286	PANDA"R"-RAHUM X-36517-886H-2Y-0M			3445.4	62.7	85.1	142.1	0.0	6.8	0.9
287	PANDA"R"-RAHUM X-36517-886H-3Y-0M			3474.2	63.7	90.5	144.5	0.1	4.5	0.1

VTY	PLNT HT	LDGE %	SHTR %	1000 G. W.	POWD %	SEPT TRIT	SEPT NODD	SEPT SPP.	FRST DMGE	SCAB %	HELM	FUB GRAM
265	97.2	21.9	3.3	48.8	16.5	24.5	37.0	89.0	40.0	11.0	61.5	75.0
266	87.0	20.3	6.7	38.2	22.0	30.3	28.3	89.0	100.0	22.0	78.0	88.0
267	84.6	20.8	1.7	46.5	44.5	37.0	37.5	100.0	100.0	22.0	56.0	63.0
268	83.5	25.6	7.0	39.8	50.0	38.7	43.0	89.0	100.0	18.0	56.0	75.0
269	94.8	35.9	7.0	43.4	50.0	35.3	43.3	89.0	100.0	11.0	72.0	63.0
270	90.3	25.8	0.3	36.7	39.0	36.9	31.8	89.0	100.0	11.0	50.0	75.0
271	87.9	20.5	3.7	39.9	39.0	30.0	43.3	89.0	100.0	33.0	67.0	75.0
272	76.5	12.7	3.3	38.2	50.0	27.0	37.0	89.0	100.0	56.0	33.0	88.0
273	74.1	11.3	6.7	32.6	50.0	32.0	36.4	89.0	60.0	11.0	56.0	88.0
274	87.3	24.6	3.3	37.2	38.5	32.4	32.2	89.0	60.0	11.0	67.0	75.0
275	103.1	28.5	6.7	45.0	44.5	32.1	28.8	89.0	100.0	33.0	33.0	63.0
276	96.1	24.1	1.7	40.1	44.5	35.6	34.5	100.0	100.0	22.0	67.0	63.0
277	95.6	29.2	5.0	39.3	56.0	35.4	47.6	100.0	80.0	11.0	44.0	63.0
278	89.9	23.8	1.7	39.6	50.0	40.3	34.2	100.0	20.0	33.0	56.0	75.0
279	91.0	22.5	1.7	39.9	44.0	42.1	34.4	100.0	30.0	33.0	44.0	88.0
280	92.3	21.6	5.0	39.1	27.5	41.9	36.6	89.0	60.0	33.0	44.0	88.0
281	97.0	38.3	1.7	36.3	33.0	36.7	34.5	89.0	100.0	11.0	56.0	75.0
282	90.0	33.5	1.7	33.3	44.0	42.0	29.8	89.0	50.0	11.0	67.0	75.0
283	95.2	44.5	1.7	35.8	38.5	42.0	40.6	89.0	70.0	11.0	50.0	88.0
284	97.2	34.8	0.3	34.9	38.5	42.1	25.5	89.0	100.0	11.0	56.0	75.0
285	91.7	27.9	2.0	35.0	27.5	40.6	36.0	89.0	80.0	22.0	67.0	88.0
286	94.3	37.1	0.3	35.3	27.5	35.6	31.8	89.0	100.0	11.0	56.0	88.0
287	94.9	33.6	0.3	34.1	44.0	37.1	28.8	89.0	100.0	11.0	67.0	75.0

Table 2. (Continued)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST MT	FLOW DAYS	MAT DAYS	STRP RT. L	LEAF RUST	STEM RUST
288	PANDA"R"-RAHUM X-36517-927H-1Y-OM			2898.8	63.8	82.6	141.1	0.0	4.0	0.5
289	PANDA"R"-RAHUM X-36517-1151H-1Y-OM			3438.0	64.2	84.5	142.1	0.1	5.8	0.2
290	PANDA"R"-ABN X-36518-22H-1Y-OM			3114.6	65.5	90.6	146.4	0.0	11.4	0.0
291	PANDA"R"-ABN X-36518-161H-1Y-OM			3270.5	68.6	82.9	140.3	0.1	9.1	0.9
292	PANDA"R"-ABN X-36518-191H-2Y-OM			3350.5	67.9	83.2	140.2	0.1	10.6	0.9
293	PANDA"R"-ABN X-36518-198H-1Y-OM			3215.1	68.4	85.5	140.5	0.1	7.7	0.5
294	PANDA"R"-ABN X-36518-309H-1Y-OM			3244.6	66.5	86.8	142.4	0.0	12.8	0.1
295	PANDA"R"-ABN X-36518-330H-2Y-OM			3291.7	66.9	85.1	140.6	0.1	4.7	0.5
296	PANDA"R"-ABN X-36518-367H-1Y-OM			3420.1	65.0	84.0	141.1	0.1	14.9	1.8
297	PANDA"R"-ABN X-36518-374H-3Y-OM			2990.3	66.4	86.5	142.2	0.1	14.1	0.2
298	PANDA"R"-ABN X-36518-386H-1Y-OM			3549.2	65.4	85.0	140.9	0.1	12.2	0.9
299	PANDA"R"-ABN X-36518-397H-1Y-OM			3240.6	60.9	89.5	144.6	0.0	13.3	0.1
300	LOCAL CHECK			3534.2	69.5	89.0	143.9	4.0	10.9	10.9
301	MAPACHE			3314.9	60.0	87.8	141.7	0.0	6.2	0.1
302	BEAGLE			3492.9	63.3	92.1	146.7	0.5	6.7	7.3
303	PAVON 76			3306.7	76.5	92.3	142.3	0.1	6.5	5.0
304	PANDA"R"-ABN X-36518-415H-2Y-OM			2962.9	66.8	84.3	139.8	0.5	6.1	0.1
305	PANDA"R"-MPE"R" X-36520-81H-1Y-OM			3439.1	63.7	85.3	141.5	0.1	2.3	0.1
306	PANDA"R"-MPE"R" X-36520-342H-2Y-OM			3421.5	64.3	84.5	140.5	0.1	4.8	0.5
307	PANDA"R"-MPE"R" X-36520-356H-1Y-OM			3130.0	63.6	88.9	141.5	0.1	6.9	12.8
308	PANDA"R"-MPE"R" X-36520-379H-4Y-OM			3041.8	65.3	86.9	142.9	0.1	3.6	0.9
309	PANDA"R"-YE X-36521-30H-1Y-OM			2969.6	66.2	89.4	144.1	0.0	5.4	0.1
310	PANDA"R"-YE X-36521-65H-2Y-OM			3466.2	64.6	90.4	145.3	0.1	4.5	0.0
311	PANDA"R"-YE X-36521-77H-2Y-OM			2705.9	63.5	80.3	138.8	1.0	3.0	0.0
312	PANDA"R"-YE X-36521-86H-1Y-OM			3082.7	66.0	85.5	143.2	0.1	9.7	0.0



VTY	PLNT HT	LQDG %	SHTR %	1000 C. W.	POWD %	SEPT TRIT	SEPT NODO	SEPT SPP.	FRST DMGE	BCAB %	HELM	FUS GRAM
288	99.3	34.5	3.3	38.8	38.5	38.7	34.5	89.0	100.0	11.0	44.0	75.0
289	94.5	25.9	3.3	37.0	44.5	42.1	34.5	100.0	100.0	11.0	50.0	88.0
290	85.9	24.7	3.3	37.9	22.0	37.3	28.5	89.0	100.0	11.0	44.0	88.0
291	89.8	36.6	3.3	37.2	44.0	33.7	31.3	89.0	100.0	33.0	67.0	88.0
292	90.4	31.0	3.3	39.2	50.0	35.6	34.0	89.0	100.0	33.0	56.0	88.0
293	92.1	27.5	3.3	37.1	33.0	35.4	31.3	89.0	100.0	11.0	44.0	88.0
294	88.0	16.7	1.7	36.3	50.0	35.1	25.5	89.0	100.0	22.0	56.0	88.0
295	89.2	24.1	3.3	38.9	22.0	38.4	31.3	89.0	100.0	22.0	61.5	75.0
296	88.0	29.5	8.3	35.8	56.0	39.9	28.3	89.0	100.0	44.0	61.5	88.0
297	85.5	20.9	1.7	32.5	55.5	34.0	31.6	89.0	70.0	22.0	67.0	75.0
298	93.4	31.8	5.0	38.1	50.0	37.1	37.3	89.0	100.0	22.0	67.0	75.0
299	91.3	18.4	10.0	38.6	38.5	38.4	25.5	89.0	100.0	11.0	56.0	75.0
300	93.2	17.9	0.0	41.6	61.0	38.8	30.8	89.0	5.0	0.0	61.5	38.0
301	96.7	13.4	7.0	40.0	44.5	30.1	31.5	100.0	100.0	11.0	50.0	63.0
302	108.6	16.8	0.3	45.7	27.5	27.6	20.4	89.0	40.0	11.0	61.5	25.0
303	84.3	13.0	0.3	37.6	44.5	41.7	48.5	100.0	100.0	11.0	72.0	25.0
304	88.2	23.3	1.7	40.9	44.0	41.9	34.5	89.0	100.0	33.0	56.0	63.0
305	94.5	23.5	3.3	37.5	44.0	45.7	40.3	89.0	100.0	11.0	67.0	75.0
306	89.3	11.5	1.7	37.4	44.5	40.3	34.5	89.0	100.0	11.0	44.0	63.0
307	88.1	20.4	3.3	35.1	44.5	45.3	46.0	89.0	100.0	22.0	61.5	75.0
308	93.2	27.9	6.7	38.2	50.0	40.3	31.3	89.0	100.0	11.0	50.0	63.0
309	91.2	27.5	13.3	38.7	55.5	32.3	31.8	89.0	100.0	11.0	72.0	63.0
310	94.6	23.0	3.3	45.1	61.5	29.0	31.8	89.0	100.0	11.0	61.5	38.0
311	89.7	20.6	11.7	41.1	50.0	45.4	34.5	100.0	100.0	33.0	78.0	63.0
312	84.0	14.5	0.0	39.0	50.0	40.4	34.5	89.0	100.0	22.0	56.0	75.0

Table 2. (Continued)

VTY NO	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT. L	LEAF RUST	STEM RUST
313	PANDA"R"-YE X-36521-86H-2Y-OM			2781.0	65.3	85.7	142.2	0.0	11.7	0.8
314	PANDA"R"-YE X-36521-86H-3Y-OM			3358.5	66.1	85.9	141.4	0.1	7.8	0.1
315	PANDA"R"-YE X-36521-111H-2Y-OM			2894.9	67.2	83.5	140.5	0.0	5.1	0.1
316	PANDA"R"-YE X-36521-130H-1Y-OM			3402.7	67.5	83.5	140.2	0.0	5.2	0.1
317	PANDA"R"-YE X-36521-166H-2Y-OM			3233.1	66.3	85.7	140.8	0.1	3.3	0.1
318	PANDA"R"-YE X-36521-293H-4Y-OM			3032.3	66.5	84.8	140.0	0.1	11.3	0.0
319	PANDA"R"-YE X-36521-322H-1Y-OM			3561.2	67.8	83.5	141.5	0.1	11.1	0.4
320	PANDA"R"-YE X-36521-329H-1Y-OM			2867.1	64.7	87.9	142.0	0.5	4.1	0.8
321	PANDA"R"-YE X-36521-357H-3Y-OM			2795.9	67.9	82.8	140.2	0.1	13.7	0.5
322	PUPPY-BOL B-38			3931.0	65.3	91.5	147.3	0.1	16.2	0.0
323	DRIRA-IA X BOL B-85			3667.4	66.1	92.3	147.5	0.1	10.4	2.5
324	CIN-PI251923 X PATO/BOL B-116			3283.6	65.4	90.8	147.8	0.1	8.9	3.1
325	LLAMA-F3 SPY X BOL B-128-1008-101Y-08			3732.6	66.7	94.0	148.2	0.5	18.9	2.2
326	BOL DERIV SEL BULK			3368.3	64.1	89.9	146.2	0.1	4.1	1.5
327	BOL DERIV SEL BULK			3231.9	68.2	92.3	147.0	0.1	4.1	1.8
328	L. O BULK			3961.2	64.9	94.2	147.8	0.1	4.2	4.3

VTY	PLNT HT	LDGC %	SHTR %	1000 O. W.	POWD %	SEPT TRIT	SEPT NODO	SEPT SPP	FRST DMOE	SCAB %	HELM	FUS GRAM
313	81.8	13.5	5.0	35.8	61.5	37.4	34.5	89.0	100.0	11.0	44.0	75.0
314	88.3	20.4	1.7	38.4	39.0	35.7	34.5	89.0	100.0	22.0	67.0	63.0
315	88.9	22.5	0.3	39.0	39.0	37.1	26.0	100.0	100.0	11.0	44.0	63.0
316	86.9	16.3	0.3	37.0	44.0	38.7	31.8	100.0	100.0	11.0	56.0	63.0
317	84.0	14.2	6.7	37.6	38.5	38.7	29.0	100.0	100.0	11.0	56.0	63.0
318	87.7	13.7	1.7	39.2	33.0	38.3	31.8	100.0	100.0	11.0	44.0	75.0
319	97.1	29.1	1.7	38.7	39.0	41.9	34.8	100.0	100.0	11.0	44.0	63.0
320	90.3	37.3	13.3	37.9	39.0	37.0	29.0	89.0	100.0	22.0	56.0	63.0
321	99.4	29.3	3.3	40.4	56.0	40.4	29.2	100.0	80.0	11.0	22.0	63.0
322	116.3	25.3	6.7	49.7	50.0	32.1	29.2	89.0	50.0	11.0	56.0	25.0
323	110.9	23.3	1.7	46.3	50.0	31.0	33.8	89.0	70.0	22.0	61.5	25.0
324	107.7	9.3	0.0	43.1	39.0	33.7	36.6	89.0	50.0	11.0	44.0	25.0
325	109.0	12.6	5.0	43.0	27.5	23.9	25.2	89.0	30.0	11.0	56.0	13.0
326	111.2	29.1	8.3	48.3	50.0	28.9	29.2	89.0	50.0	11.0	50.0	13.0
327	114.7	19.6	10.3	49.1	44.0	24.4	38.8	89.0	60.0	11.0	56.0	13.0
328	106.5	10.3	5.0	47.5	38.5	29.3	23.0	89.0	30.0	11.0	50.0	13.0

**Table 3. Top performance entries: Yield**

VTY NO	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT	STRP RT. L	LEAF RUST	STEM RUST
			NOBS:	( 51)	( 8)	( 2)	( 19)	( 14)
275	W74. 103-ADDAX/BGL-M2A X IRA X-33470-C-1Y-5M-1Y-0M			4217.4	68.3	0.1	4.2	0.1
148	JUANILLO 100 X-21295			4159.6	66.2	0.5	21.4	5.1
144	JUANILLO 96 X-21295			4110.6	65.1	1.0	25.1	4.2
143	JUANILLO 95 X-21295			4064.0	66.3	1.0	19.9	3.8
328	L. D BULK			3961.2	64.9	0.1	4.2	4.3
322	PUPPY-BGL B-38			3931.0	65.3	0.1	16.2	0.0
145	JUANILLO 97 X-21295			3918.3	65.6	1.0	22.3	4.4
146	JUANILLO 98 X-21295			3901.1	65.0	0.5	20.8	3.8
181	FS1795-LNC X-24369-4H-1Y-1M-1Y-0M			3880.7	70.6	0.1	5.6	0.0
140	JUANILLO 91 X-21295			3866.2	65.5	0.5	25.1	4.0
141	JUANILLO 92 X-21295			3850.0	65.5	0.5	21.9	5.8
70	TOPD 120			3846.0	67.0	0.0	6.7	1.8
74	TOPD 141			3823.3	63.5	0.1	1.1	0.8
135	JUANILLO 86 X-21295			3820.9	66.4	1.0	18.1	4.1
149	JUANILLO 168 X-21295			3801.9	65.2	0.5	14.7	3.0
142	JUANILLO 93 X-21295			3782.7	66.8	1.0	21.0	5.8
192	ABN"R"-M1A X-24551-BY-3M-1Y-0M			3764.9	63.6	0.0	5.2	0.0
32	DELFIN 99			3752.3	69.3	0.0	14.6	1.3
80	TJ-BGL"S" X-16134-35Y-1Y-1M-1Y-3B-0Y			3750.0	64.5	1.0	2.1	0.1
325	LLAMA-F3 SPY X BGL B-128-100B-101Y-0B			3732.6	66.7	0.5	18.9	2.2
139	JUANILLO 90 X-21295			3719.2	65.6	1.0	24.7	3.4
147	JUANILLO 99 X-21295			3712.7	66.5	0.5	21.5	3.9
79	TJ-BGL"S" X-16134-35Y-1Y-1M-1Y-2B-0Y			3710.0	64.7	0.5	2.4	0.1
190	M2A-RM X-24548-3Y-3M-2Y-0M			3704.8	63.6	0.1	4.7	0.1
172	IA-NV"R" X-23988-B-1Y-1M-1Y-0M			3694.9	64.7	0.1	9.4	3.9
260	PANTHER"R" X OCTO BULK-BUSH X-31731-BY-3M-0Y			3687.0	66.3	0.1	15.0	0.1
136	JUANILLO 87 X-21295			3683.4	66.3	0.5	21.3	2.9
47	IRA-BGL X-15570-5M-1Y-1M-3Y-0M			3679.7	64.7	0.1	2.8	1.0
137	JUANILLO 88 X-21295			3676.8	65.9	0.5	21.1	6.5
230	FS381-FS1795 X-29387-1KE-1Y-0B			3668.2	65.2	0.0	6.8	0.1
323	DRIRA-IA X BGL B-85			3667.4	66.1	0.1	10.4	2.5
162	BGL"S"/BGL"R" X ITA-LED X-22551-100Y-100Y-13M-1Y-1M-0Y			3659.6	62.6	0.1	3.8	0.1
73	TOPD 123			3658.9	67.1	0.1	1.4	1.4

**Table 4. Top performance entries: Test weight**

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	TEST WT	YIELD KG/HA
			NOBS:	( 8)	( 51)
203	PAVDN 76			76.6	3127.5
303	PAVDN 76			76.5	3306.7
103	PAVDN 76			76.0	3159.4
115	BGL "S"-M2A X-18701-6Y-1M-1Y-1M-0Y			71.1	3621.0
181	FS1795-LNC X-24369-4H-1Y-1M-1Y-0M			70.6	3880.7
34	DELFIN 75			70.0	3393.9
35	DELFIN 76			69.7	3431.8
300	LOCAL CHECK			69.5	3534.2
39	IRA-BGL X-15570			69.4	3340.6
32	DELFIN 99			69.3	3752.3
37	DELFIN 80			69.3	3459.8
133	DELFIN 70			69.2	3366.5
125	TEDDY "S" X-19649-A-9Y-1Y-1M-1Y-101B-0Y			69.0	3265.0
100	LOCAL CHECK			69.0	3257.0
40	IRA-BGL X-15570			68.9	3494.5
165	POLAR "S" X-22591-100Y-101Y-4M-1Y-0M			68.6	3633.1
291	PANDA "R"-ABN X-36518-161H-1Y-0M			68.6	3270.5
86	CIN-PI62 X PATO/BGL X-16350			68.5	3402.3
293	PANDA "R"-ABN X-36518-198H-1Y-0M			68.4	3215.1
38	DELFIN 205			68.4	3562.9
275	W74.103-ADDAX/BGL-M2A X IRA X-33470-C-1Y-5M-1Y-0M			68.3	4217.4
327	BGL DERIV SEL BULK			68.2	3231.9
55	BGL-M2A X-15670			68.2	3584.4
276	SETTER-PANDA "R" X-34530-422H-2Y-0M			68.1	3149.1
56	BGL-M2A X-15670			68.0	3464.6
42	IRA-BGL X-15570			67.9	3349.0
292	PANDA "R"-ABN X-36518-191H-2Y-0M			67.9	3350.5
321	PANDA "R"-YE X-36521-357H-3Y-0M			67.9	2795.9
36	DELFIN 78			67.9	3391.9
319	PANDA "R"-YE X-36521-322H-1Y-0M			67.8	3561.2
200	LOCAL CHECK			67.6	3471.4
283	PANDA "R"-RAHUM X-36517-401H-1Y-0M			67.6	3143.3
316	PANDA "R"-YE X-36521-130H-1Y-0M			67.5	3402.7

**Table 5. Top performance entries: Days to flower**

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	FLOW DAYS	YIELD KG/HA
			NOBS	( 23)	( 51)
311	PANDA"R"-YE X-36521-77H-2Y-0M			80.3	2705.9
278	PANDA"R"-MASTIFF"R" X-35783-464H-1Y-0M			80.8	3155.4
249	BCM"S"-1A X-31186-6Y-3M-1Y-0M			82.0	3091.0
288	PANDA"R"-RAHUM X-36517-927H-1Y-0M			82.6	2898.8
321	PANDA"R"-YE X-36521-357H-3Y-0M			82.8	2795.9
291	PANDA"R"-ABN X-36518-161H-1Y-0M			82.9	3270.5
280	PANDA"R"-MASTIFF"R" X-35783-400H-1Y-0M			83.2	3042.9
292	PANDA"R"-ABN X-36518-191H-2Y-0M			83.2	3350.5
170	NV-M1A X-23646-7Y-7M-2Y-0M			83.4	3321.0
267	TCL E3-ARM"S"/CND"S"-GALLO X BB-INIA X-32694-2Y-2B-2Y-0B			83.5	2773.3
315	PANDA"R"-YE X-36521-111H-2Y-0M			83.5	2894.9
319	PANDA"R"-YE X-36521-322H-1Y-0M			83.5	3561.2
316	PANDA"R"-YE X-36521-130H-1Y-0M			83.5	3402.7
196	6 X M3-RM X-25062-2Y-3M-2Y-0M			83.5	3387.9
105	M2A X CND"S"-GALLO X-17047-12Y-2Y-1B-1Y-4B-0Y			83.6	3159.6
18	IRA-M2A X-12937-B-1Y-1Y-4M-0Y			83.7	2987.0
279	PANDA"R" X DCTO BULK-BUSH X-35781-395H-1Y-0M			83.8	3408.7
296	PANDA"R"-ABN X-36518-367H-1Y-0M			84.0	3420.1
9	M2A X-2802-58N-2M-0N-100M-0Y			84.1	3196.4
304	PANDA"R"-ABN X-36518-415H-2Y-0M			84.3	2962.9
164	POLAR"S" X-22591-100Y-100Y-1M-1Y-1M-1Y-0M			84.4	2333.0
4	BACUM			84.4	3182.9
306	PANDA"R"-MPE"R" X-36520-342H-2Y-0M			84.5	3421.5
14	M2A-IRA X-12509-2Y-4Y-1M-0Y			84.5	3122.5
289	PANDA"R"-RAHUM X-36517-1151H-1Y-0M			84.5	3438.0
165	POLAR"S" X-22591-100Y-101Y-4M-1Y-0M			84.6	3633.1
222	M1A-BCM X-27592-B-5M-1Y-1M-1Y-0M			84.6	3082.1
8	BURA"S"			84.7	3270.3
318	PANDA"R"-YE X-36521-293H-4Y-0M			84.8	3032.3
106	M2A X CND"S"-GALLO X-17047-13Y-1Y-2B-1Y-0B			84.9	2915.0
231	IRA-ABN"R" X M2A X-29591-100Y-100Y-1M-1Y-0M			85.0	2696.5
179	ABN"R"-M1A X-24319-100Y-100Y-1M-1Y-0M			85.0	3311.6
195	M2A-RM X-24706-100Y-100Y-1M-1Y-0M			85.0	3339.8

**Table 6. Top performance entries: Days to maturity**

VITY NO	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	MAT DAYS	YIELD	
					NOBS	( 51 )
18	IRA-M2A X-12937-B-1Y-1Y-4M-0Y			137.3	2987	0
104	FS3B1-FS477 X-17014-A-100Y-100Y-2M-1Y-1M-1Y-0M			137.9	2735	7
165	PDLAR"S" X-22591-100Y-101Y-4M-1Y-0M			138.2	3633	1
21	IGA-M2A X IA-M2A X-14527-D-4Y-4Y-2Y-1M-1Y-100B-0Y			138.2	3524	7
280	PANDA"R"-MASTIFF"R" X-35783-400H-1Y-0M			138.7	3042	9
249	BCM"S"-IA X-31186-6Y-3M-1Y-0M			138.7	3091	0
20	GAZELLE-FS132 X-13550-15Y-1Y-4M-100Y-6M-0Y			138.8	2976	6
1	MAPACHE			138.8	3169	5
311	PANDA"R"-YE X-36521-77H-2Y-0M			138.8	2705	9
4	BACUM			138.9	3182	9
203	PAVON 76			139.0	3127	5
231	IRA-ABN"R" X M2A X-29591-C-1M-1Y-0M			139.2	2696	5
14	M2A-IRA X-12509-2Y-4Y-1M-0Y			139.2	3122	5
279	PANDA"R" X OCTO BULK-BUSH X-35781-395H-1Y-0M			139.2	3408	7
170	NV-M1A X-23646-7Y-7M-2Y-0M			139.3	3321	0
83	IA-M2A X P162/BGL"S" X-16304-108Y-1Y-2M-2Y-0M			139.3	2902	8
19	IA-FS1194 X-13224-12Y-4Y-1Y-0M-4Y-0M			139.3	3424	3
9	M2A X-2802-58N-2M-0N-100M-0Y			139.4	3196	4
278	PANDA"R"-MASTIFF"R" X-35783-464H-1Y-0M			139.4	3155	4
81	IRA-NURI"S" X BGL"S" X-16237-32Y-4Y-5M-1Y-1B-1Y-0M			139.5	2920	3
169	BGL-BUI X-32641-1Y-2B-2Y-0B			139.7	3105	8
240	CIN"R"-M2A(2) X-31082-1Y-1M-1Y-0M			139.7	3193	3
101	MAPACHE			139.8	3101	8
304	PANDA"R"-ABN X-36518-415H-2Y-0M			139.8	2962	9
201	MAPACHE			139.8	3272	8
318	PANDA"R"-YE X-36521-293H-4Y-0M			140.0	3032	3
196	6 X M3-RM X-25062-2Y-3M-2Y-0M			140.0	3387	9
105	M2A X CND"S"-GALLO X-17047-12Y-2Y-1B-1Y-4B-0Y			140.1	3159	6
222	M1A-BCM X-27592-B-5M-1Y-1M-1Y-0M			140.1	3082	1
229	YOCO-M1A X-29390-4H-1Y-1M-0Y			140.1	3002	9
292	PANDA"R"-ABN X-36518-191H-2Y-0M			140.2	3350	5
321	PANDA"R"-YE X-36521-357H-3Y-0M			140.2	2795	9
97	DIRA-KANG X-16646			140.2	3238	6

**Table 7. Top performance entries: Leaf rust**

VIV NO	VARIETY OR CROSS AND PEDIGREE	ORAIN	ORIGIN	LEAF RUST	STRP RT. L	STEM RUST	
				NDBS:	( 19 )	( 2 )	( 14 )
71	TOPD 121			0.1	0.0	0.1	
206	ABN-SAPSUCKER"S" X-25449-5B-4Y-2B-1Y-0B			0.4	0.0	0.0	
78	TJ-BQL"S" X-16134-35Y-1Y-1M-1Y-1B-0Y			1.1	1.0	0.1	
74	TOPD 141			1.1	0.1	0.8	
220	M2A-RH X-27342-13Y-1M-0Y			1.1	0.1	0.0	
76	1A-M2A X-15946-8Y-3Y-4M-2Y-1B-0Y			1.3	0.5	0.1	
73	TOPD 123			1.4	0.1	1.4	
216	T107 1B-M2A X M2A X-23723-B-1Y-3M-1Y-0M			1.5	0.1	0.0	
271	ABN"S"-00 X ADDAX X-3310B-M-6Y-1M-0Y			1.5	0.5	0.0	
204	ABN-SAPSUCKER"S" X-25449-5B-3Y-1B-0Y			1.6	0.0	2.5	
251	1A-FS551 X-31468-7Y-1M-1Y-0M			1.7	0.1	0.0	
264	ABN-CHA#2 X-32636-2Y-3B-3Y-0B			1.7	0.5	0.0	
186	M1A-FS477 X-24401-B-1Y-3M-1Y-1M-4Y-0M			1.7	0.1	0.1	
159	BEAGUELITA"S" X-22427-101Y-2M-3Y-6M-1Y-0M			1.8	0.1	0.1	
276	SETTER-PANDA"R" X-34530-422H-2Y-0M			1.9	0.0	0.3	
188	M1A-FS477 X-24401-B-1Y-3M-1Y-2M-4Y-0M			2.1	0.1	0.0	
80	TJ-BQL"S" X-16134-35Y-1Y-1M-1Y-3B-0Y			2.1	1.0	0.1	
160	BEAGUELITA"S" X-22427-101Y-2M-3Y-9M-1Y-0M			2.2	0.1	0.1	
127	IRA-CIN/7C X TOB-NP X-20631-1Y-1B-1Y-2B-1Y-0B			2.3	0.0	0.1	
207	ABN-SAPSUCKER"S" X-25449-5B-4Y-4B-1Y-0B			2.3	0.0	0.0	
178	ABN"R"-M1A X-2431V-1Y-4M-2Y-0M			2.3	0.1	0.0	
158	BEAGUELITA"S" X-22427-101Y-2M-3Y-4M-2Y-0M			2.3	0.1	0.1	
247	RH"S"-M2A X-31124-7Y-3M-0Y			2.3	0.0	0.5	
184	M1A-FS477 X-24401-B-1Y-3M-1Y-1M-2Y-0M			2.3	0.1	0.2	
205	ABN-SAPSUCKER"S" X-25449-5B-3Y-4B-1Y-0B			2.3	0.0	0.0	
305	PANDA"R"-MPE"R" X-36520-81H-1Y-0M			2.3	0.1	0.1	
82	1A-M2A X P162/BQL"S" X-16304-103Y-1Y-1M-1Y-0M			2.3	0.1	0.1	
153	RM X M2A-BQL"S" X-22099-100Y-3Y-3M-1Y-0M			2.4	0.0	0.5	
79	TJ-BQL"S" X-16134-35Y-1Y-1M-1Y-2B-0Y			2.4	0.5	0.1	
64	TCL BULK50-MA X-15684-3Y-2Y-0M			2.7	0.5	0.1	
185	M1A-FS477 X-24401-B-1Y-3M-1Y-1M-3Y-0M			2.7	0.1	0.1	
170	MV-M1A X-23646-7Y-7M-2Y-0M			2.7	0.1	0.0	
265	ABN-CHA#2 X-32636-2Y-3B-7Y-0B			2.7	0.0	0.0	
114	M2A(2) X OCTO BULK-ARS X-18565-6-1Y-3M-1Y-0M			2.8	0.5	0.1	
47	IRA-BQL X-15570-5M-1Y-1M-3Y-0M			2.8	0.1	1.0	
228	RAHUM"S"-PANTHER"R" X-29340-1M-1Y-4M-2Y-0M			2.8	0.1	0.1	
219	RH"S"-IRA X FS477 X-26115-E-1Y-1M-100Y-100M-101Y-0B			2.9	0.0	0.0	
75	TOPD 141			3.0	0.1	0.1	
72	TOPD 122			3.0	0.0	0.1	
272	E3-ARM"S" X M2A/ADDAX X-33113-J-1Y-1M-0Y			3.0	0.0	0.0	
65	BQC-ITA X KLA/M2A X-15745-100Y-2M-1Y-0M			3.0	0.5	1.9	
274	ZILLINGKY126-BCMC(1A-M2A X P162/BQL) YEJ X-33247-B-1Y-1M-0Y			3.0	0.1	0.1	
311	PANDA"R"-VE X-36521-77H-2Y-0M			3.0	1.0	0.0	



**Table 8. Top performance entries: Septoria tritici**

VTY NO	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	SEPT TRIT
		NOBS	( 7 )	
58	BGL-M2A X-15671-3Y-2B-1N-100B-100Y-0B			11.0
57	BEAGLE-M2A X-15671			13.1
55	BGL-M2A X-15670			14.4
56	BGL-M2A X-15670			14.7
59	BGL"S"-M2A X CIN X-15673			16.3
60	BGL"S"-M2A X CIN X-15673			16.3
99	DRIRA-CINUEM X-16662-1Y-1B-2M-102B-100Y-0B			16.4
43	IRA-BGL X-15570-1Y-0M-0Y-100M-0Y			17.3
79	TJ-BGL"S" X-16134-35Y-1Y-1M-1Y-2B-0Y			18.0
102	BEAGLE			19.4
148	JUANILLO 100 X-21295			19.4
61	BGL"S"-M2A X CIN X-15673			19.6
78	TJ-BGL"S" X-16134-35Y-1Y-1M-1Y-1B-0Y			19.6
44	IRA-BGL X-15570-1Y-0M-0Y-102M-0Y			20.0
260	PANTHER"R" X OCTO BULK-BUSH X-31731-8Y-3M-0Y			20.4
181	FS1795-LNC X-24369-4H-1Y-1M-1Y-0M			20.6
94	DRIRA-KANG X-16648			20.7
97	DRIRA-KANG X-16648			20.9
144	JUANILLO 96 X-21295			21.0
46	IRA-BGL X-15570-100B-0Y			21.1
145	JUANILLO 97 X-21295			21.1
80	TJ-BGL"S" X-16134-35Y-1Y-1M-1Y-3B-0Y			21.3
49	IRA-M2A X-15562-3Y-1M-3Y-3M-1Y-100B-100Y-0B			21.4
70	TOPD 120			22.4
130	BCM-PM28 BULK X-20788-5M-1Y-100M-0Y			22.4
47	IRA-BGL X-15570-5M-1Y-1M-3Y-0M			22.6
41	IRA-BGL X-15570			22.6
136	JUANILLO 87 X-21295			22.6
137	JUANILLO 88 X-21295			22.6
71	TOPD 121			22.6
135	JUANILLO 86 X-21295			22.6
16	M2A-KLA"S" X-12725-A-1Y-1Y-2Y-0M-4Y-0M			22.6
81	IRA-NURI"S" X BGL"S" X-16237-32Y-4Y-5M-1Y-1B-1Y-0M			22.6

**Table 9. Top performance entries: *Septoria nodorum***

VTY NO	VARIETY OR CRUISE AND PEDIGREE	GRAIN	ORIGIN	SEPT MODD
			NIUS ( 5)	
202	BEAGLE			13.6
132	DELFIN 50			15.4
89	M2A-UP301 X BGL X-16378			15.8
45	IRA-BGL X-15570-1Y-1B-100B-0Y			17.8
80	TJ-BGL"S" X-16134-35Y-1Y-1M-1Y-3B-0Y			17.8
139	JUANILLO 90 X-21295			18.0
133	DELFIN 70			18.0
78	TJ-BGL"S" X-16134-35Y-1Y-1M-1Y-1B-0Y			18.0
145	JUANILLO 97 X-21295			18.0
90	M2A-UP301 X BGL"S" X-16378-2Y-0B-1Y-0M			18.2
12	M2A-BUITRE X-12264			18.2
99	DRIRA-CINUEM X-16662-1Y-1B-2M-102B-100Y-0B			18.6
137	JUANILLO 88 X-21295			18.6
181	FS1795-LNC X-24369-4H-1Y-1M-1Y-0M			20.0
134	JUANILLO 85 X-21295			20.2
140	JUANILLO 91 X-21295			20.2
62	BEAGLE-CIN X-15674			20.4
302	BEAGLE			20.4
141	JUANILLO 92 X-21295			20.4
88	M2A-UP301 X BGL X-16378			20.4
93	DRIRA-KANG X-16648			20.4
156	BEAGUELITA"S" X-22427-100Y-1Y-7M-1Y-0M			20.4
131	JUANILLO 124			20.4
79	TJ-BGL"S" X-16134-35Y-1Y-1M-1Y-2B-0Y			20.4
168	YE X KLA-IA X-23631-15Y-1M-1Y-0M			20.5
184	M1A-FS477 X-24401-B-1Y-3M-1Y-1M-2Y-0M			20.5
225	M2A-M1A X-27947-22M-1Y-0M			20.5
187	M1A-FS477 X-24401-B-1Y-3M-1Y-2M-1Y-0M			20.5
233	NV"R"-CML"S" X ABN"R" X-29664-B-10M-1Y-1M-0Y			20.5
29	M2A X BB-INIA X-14729-3Y-1Y-1Y-1B-3Y-1B-0Y			20.6
190	M2A-RM X-24548-3Y-3M-2Y-0M			20.8
2	BEAGLE			20.8
57	BEAGLE-M2A X-15671			21.0

**Table 10. Top performance entries: Scab**

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	SCAB %
			NOBS: ( 2 )	
62	BEAGLE-CIN X-15674			0.0
114	M2A(2) X OCTO BULK-ARB X-18365-8-1Y-3M-1Y-OM			0.0
300	LOCAL CHECK			0.0
224	BOL"B" X BUEY-BOL"B" X-27695-B-1M-1Y-1M-0Y			0.0
100	LOCAL CHECK			0.0
113	IA-SPY X CIN X-17140-10Y-1Y-OM			0.0
191	JUANILLO 317 X-21295-OM-2Y-1M-0Y			0.0
230	FB381-FB1795 X-29387-1KE-1Y-0B			5.5
67	SHEPHERD"B" X-15754-A-5Y-1Y-1M-2Y-4B-0Y			5.5
117	BOL"B"-RM"B" X-18713-2M-1Y-6M-0Y			3.5
9	M2A X-2802-58M-2M-OM-100M-0Y			5.5
2	BEAGLE			5.5
190	M2A-RM X-24548-3Y-3M-2Y-OM			5.5
29	M2A X BB-INIA X-14729-3Y-1Y-1Y-1B-3Y-1B-0Y			5.5
16	M2A-KLA"B" X-12725-A-1Y-1Y-2Y-OM-4Y-OM			5.5
73	TOPD 123			5.5
51	HEXA FROM OCTO-HEXA X M2A X-15685-B-6Y-2M-2Y-OM			11.0
17	M2A-KLA"B" X-12701-25Y-3Y-1M-1Y-6M-100Y-101M-100Y-0B			11.0
84	CIN-PI62 X PATD/BOL X-16350			11.0
20	GAZELLE-FB132 X-13550-15Y-1Y-4M-100Y-6M-0Y			11.0
42	IRA-BGL X-15570			11.0
186	M1A-FB477 X-24401-B-1Y-3M-1Y-1M-4Y-OM			11.0
3	RAMUM			11.0
55	BGL-M2A X-15670			11.0
87	M2A-UP301 X BOL X-16378			11.0
6	CINNAMON			11.0
7	BURA			11.0
90	M2A-UP301 X BOL"B" X-16378-2Y-0B-1Y-OM			11.0
24	CHL"S"-SKA X-14667-3Y-2Y-1M-3Y-1B-4Y-0B			11.0
30	CHL"S"-KAL X-14861-2Y-1Y-1Y-1B-5Y-1B-0Y			11.0
11	M2A-BUITRE X-12264			11.0
12	M2A-BUITRE X-12264			11.0
23	CHL"S"-SKA X-14667-3Y-2Y-1M-3Y-1B-3Y-1B-0Y			11.0

