

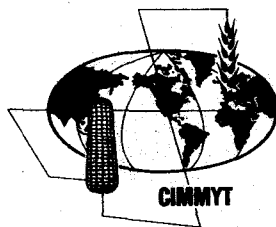
**RESULTS
OF
THE TWELFTH
INTERNATIONAL
DURUM
SCREENING
NURSERY**

IDSN 1980-81



**CENTRO INTERNACIONAL DE MEJORAMIENTO DE MAIZ Y TRIGO
INTERNATIONAL MAIZE AND WHEAT IMPROVEMENT CENTER**
Londres 40, Apdo. Postal 6-641, 06600, 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 dûs aux fourmis en pourcentage
APHD DMGE	Aphid damage percentage	Porcentaje de daño de áfidos	Dégâts dûs 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 dûs 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 ²	Ears per square meter	Espigas o mazorcas por metro cuadrado	Epis par mètre ²
FALL NO	Falling number (seconds)	Actividad alfa amilasa (segundos)	Activité du α -amylase (en secondes)
FERT %	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 marchitiz por Fusarium	Fusarium en pourcentage
GERM %	Germination percentage	Porcentaje de germinación	Germination en pourcentage
HAIL DMGE	Hail damage percentage	Porcentaje de daño por granizo	Dégâts dûs 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 %	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 %	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 ²)
PLNT HT	Height (cm)	Altura (cm)	Hauteur (cm)
PLNT WT	Plant weight (grams)	Peso de la planta (gramos)	Poids de la plante (grames)
POWD %	Powdery mildew percentage	Porcentaje de mildiú polvoriento	Oidium en pourcentage
PROT %	Protein percentage	Porcentaje de proteína	Protéine en pourcentage
ROOT ROT	Root rot percentage	Porcentaje de pudrición de maíz	Putréfaction du maïs en pourcentage
SCAB %	Scab percentage	Porcentaje de roña	Fusarium de l'épi en pourcentage
SCLD %	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 %	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	Mitadinage en pourcentage
YIELD KG/HA	Yield kg/ha	Rendimiento kg/ha	Rendement kg/ha

RESULTS OF THE 12TH INTERNATIONAL DURUM SCREENING NURSERY

IDSN) 1980-81

The 12th International Durum Screening Nursery (IDSN) was sent in September 1980 to be grown by cooperators in their spring season of 1981. Ninety-four nurseries went to cooperators in 49 countries. The 233 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.

Forty-two of the cooperators receiving the 12th IDSN 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
11	AFRICA	ETHIOPIA	SHOA, ADDIS ABABA	3 7 8
14	AFRICA	KENYA	RIFT VALLEY	3 5 8
23	AFRICA	RHODESIA	SALISBURY	1 4 9
35	AFRICA	TUNISIA	TUNIS	1 3 9
42	ASIA	BANGLADESH	JOYDEBPUR	1 3 4 7 9
61	ASIA	PAKISTAN	PUNJAB	3 4 5 7 9 10
74	EUROPE	GREECE	THESSALONIKI	1 3 9 14
84	EUROPE	PORTUGAL	ALENTEJO	1 3
88	EUROPE	SPAIN	ALCALA DE HENARES	1 3 9
89	EUROPE	SPAIN	CORDOBA	1 3 9 14
112	MIDDLE EAST	TURKEY	SAKARYA	5 7 9 14 15
119	OCEANIA	NEW ZEALAND	HANAWATU	1
128	NORTH AMERICA	MEXICO	EDO DE MEXICO	3 5 7 9 15
129	NORTH AMERICA	MEXICO	EDO DE MEXICO	3 5 7
133	NORTH AMERICA	MEXICO	SONORA	1 2 3 7 9 47
143	NORTH AMERICA	U. S. A.	SOUTH DAKOTA	3 7 9
153	SOUTH AMERICA	ARGENTINA	BUENOS AIRES	1 3
158	SOUTH AMERICA	BOLIVIA	COCHABAMBA	1 3 9
169	SOUTH AMERICA	ECUADOR	QUITO, PICHINCHA	3 5 7
179	AFRICA	EGYPT	BENI-SUEF	1 3
239	EUROPE	ITALY	FOGGIA	1 3 4 7 9 14 15
258	MIDDLE EAST	ISRAEL	BET DAGAN	1 3 5 9
291	SOUTH AMERICA	ARGENTINA	ENTRE RIOS	1 3 7 8 9 10
302	SOUTH AMERICA	PERU	CAJAMARCA	1 3 7 8 9
328	NORTH AMERICA	MEXICO	MICHOACAN	15 49
333	SOUTH AMERICA	BOLIVIA	POTOSI	3 5 9
334	EUROPE	TURKEY	IZMIR	5 7 8
354	NORTH AMERICA	MEXICO	NUEVO LEON	1 3 4 9
359	AFRICA	SOUTH AFRICA	CAPE PROVINCE	1
363	MIDDLE EAST	SYRIA	ALEPPO	1 3 4 5 7 8 9 25
401	AFRICA	LIBYA		1 3 9
419	SOUTH AMERICA	CHILE	VALLEPAR	8 9
437	EUROPE	SPAIN	SEVILLA	1 3 5 9 14 40
440	N. AMERICA	MEXICO	GUANAJUATO	7
458	N. AMERICA	MEXICO	JALISCO	49
468	ASIA	BANGLADESH	MYMENSINGH	1 3 9
469	SOUTH AMERICA	PERU	PUNO	3 25
472	EUROPE	SPAIN	BADAJOS	1 2 3 9
483	MIDDLE EAST	SYRIA	ALEPPO	1 3 4 9
484	NORTH AMERICA	CANADA	QUEBEC	1
487	AFRICA	ETHIOPIA	SEWA, AMBO	3 4 7 8 9 10 15
489	SOUTH AMERICA	PERU	CUSCO	1 3 5 8 9 15 45

*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	LODG	%	14	POND	%
15	SEPT	TRIT	25	FRST	DMGE	40	BYDV		45	EARS	/M2	47	YELL	BERR
49	FUS	GRAM												

Table 2. Summary of means of all variables

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:									
											(26)	(2)	(32)	(8)	(12)	(16)	(9)			
1	BD1814 X BD1708-BD1543 D-70-55-08K			3458.4	80.5	94.5	150.1	13.6	14.6	31.6										
2	QFN-AA"S" D-27530-2M-3Y-2M-1B			3418.5	82.1	96.5	150.4	0.3	14.7	17.4										
3	RUFF"S" D-27572-20M-3Y-3M-1Y-0M			3591.2	80.6	93.2	151.4	0.1	7.4	22.3										
4	FQ"S" D-27582-8M-13Y-2M-0Y			3821.6	83.8	97.3	152.5	0.6	4.9	17.4										
5	SCO"S" D-27625			3394.2	81.3	97.2	151.9	0.6	2.1	50.1										
6	CTA"S" D-31725-3M-8Y-0M			3798.2	81.0	95.0	150.9	1.3	15.6	44.5										
7	COOT"S" CM-225-10M-1Y-0M-0Y			3637.8	80.3	94.8	150.1	0.1	10.8	44.4										
8	YAV"S" CM-9799-126M-1M-3Y			4232.5	83.4	97.8	154.0	1.5	5.8	26.0										
9	YAV"S" CM-9799-126M-1M-4Y-0Y			4270.6	83.7	96.8	150.3	1.6	7.2	25.3										
10	YAV"S" CM-9799-126M-1M-5Y-0Y			4112.7	84.0	96.8	150.1	2.0	6.5	7.7										
11	YAV"S" CM-9799-126M-1M-3Y-0Y-1B			4185.0	83.8	97.4	151.0	2.0	5.6	17.1										
12	YAV"S" CM-9799-126M-1M-4Y-0Y-0M			4116.9	83.0	97.4	150.8	3.3	5.5	26.1										
13	YAV"S" CM-9799-197M-3Y-1M-1Y-1B			3623.2	84.3	98.4	151.8	2.1	1.5	8.4										
14	GOOSE"S" CM-10143-19M-2Y-1M-1Y-0Y-1PTZ-1B			3666.7	80.8	99.6	152.0	2.4	10.7	15.6										
15	GOOSE"S" CM-10143-19M-2Y-1M-1Y-0Y-1PTZ- OAP			3845.0	81.6	99.4	151.6	4.9	12.4	22.0										
16	AA"S"-CR"S" X CIT"S" CM-10187-7M-0Y-1B			4204.3	76.4	95.1	151.1	1.2	3.5	19.7										
17	FUL"S" CM-10200-98M-18M-7Y-0AP			3584.4	82.2	96.4	152.1	4.2	7.2	28.6										
18	CM67 X JD"S"-CR"S" CM-12857-10Y-2M-1Y-0Y			3947.7	79.8	98.1	152.0	4.2	10.5	51.9										
19	DACK"S" CM-13919-11Y-2M-2Y-0Y-0ME-1B			3967.1	80.9	96.6	151.0	0.1	1.0	20.7										
20	CIT71			3857.5	79.2	95.0	151.1	7.9	7.2	8.0										
21	CIT"S"-QB"S"/PQ"S" X LDB-56.1 CM-14542-8-1Y-1M-3Y-0AP			3968.9	80.9	101.5	152.6	3.4	13.0	30.7										
22	OYCA"S" CM-14562-J-500Y-1M-3Y-1Y-0Y			3425.3	80.8	93.5	150.9	1.5	16.7	38.0										
23	OYCA"S" CM-14562-J-500Y-1M-3Y-1Y-0Y-2B			3319.4	80.5	93.5	151.6	2.1	20.0	39.5										
24	GUILLEMOT"S" CM-14646-C-1Y-1M-1Y			4054.1	81.8	97.4	152.1	7.6	8.4	23.6										
25	GUILLEMOT"S" CM-14646-C-1Y-1M-1Y-0Y			3848.8	81.9	99.2	152.4	4.4	8.6	22.1										
26	K1F"S" CM-14662-0B			3772.2	81.1	96.3	151.0	6.0	7.4	52.6										
27	ATT"S" CM-17043-1Y-0Y-1B			3854.9	81.3	95.6	152.6	6.2	11.2	33.4										

Table 2. Summary of means of all variables (cont.)

VTY	PLNT HT	LODG %	POMD %	SEPT TRIT	FRST DMOE	BYDV	EARS /H2	YELL BERR	FUS GRAM
	(27)	(3)	(5)	(6)	(2)	(1)	(1)	(1)	(2)
1	72.4	1.7	35.4	37.2	40.0	11.0	285.0	30.0	55.0
2	74.2	3.3	39.8	46.3	40.0	11.0	363.0	10.0	30.0
3	74.6	1.7	28.6	46.2	42.5	22.0	311.0	40.0	40.0
4	77.1	5.0	31.0	44.3	40.0	22.0	407.0	5.0	40.0
5	77.1	18.3	40.0	35.0	37.5	67.0	418.0	10.0	25.0
6	72.8	3.3	27.8	48.0	38.5	78.0	296.0	5.0	70.0
7	75.8	46.7	42.2	46.2	43.5	67.0	322.0	5.0	60.0
8	78.7	5.0	19.5	42.3	39.0	33.0	504.0	5.0	40.0
9	78.4	3.3	16.8	46.2	40.0	11.0	215.0	10.0	60.0
10	76.4	5.0	20.0	49.8	5.0	11.0	515.0	10.0	40.0
11	76.6	5.0	20.0	44.2	3.0	22.0	570.0	5.0	35.0
12	76.9	5.0	17.8	49.8	3.0	33.0	152.0	5.0	50.0
13	76.2	3.3	22.3	44.5	3.0	33.0	470.0	10.0	35.0
14	80.1	10.0	15.6	42.5	0.0	22.0	337.0	5.0	20.0
15	81.7	21.7	14.0	35.2	0.0	56.0	418.0	5.0	20.0
16	82.5	38.3	33.0	53.4	39.0	78.0	441.0	30.0	35.0
17	75.5	3.3	35.2	62.2	42.5	44.0	315.0	5.0	5.0
18	80.7	10.0	48.6	59.8	40.0	56.0	215.0	5.0	30.0
19	84.0	1.7	24.4	60.0	42.5	0.0	322.0	10.0	15.0
20	82.0	3.3	30.6	55.6	42.5	56.0	185.0	30.0	25.0
21	79.8	6.7	24.2	44.2	39.0	11.0	244.0	10.0	20.0
22	70.8	6.7	29.0	57.6	40.0	11.0	241.0	40.0	25.0
23	72.8	3.3	28.6	64.2	40.0	22.0	330.0	30.0	40.0
24	77.0	5.0	33.0	53.2	38.0	33.0	300.0	5.0	40.0
25	76.9	6.7	28.8	62.0	38.0	33.0	296.0	5.0	35.0
26	83.1	13.3	33.2	59.8	40.0	22.0	241.0	40.0	45.0
27	71.0	3.3	30.8	57.6	38.0	44.0	430.0	30.0	40.0

Table 2. Summary of means of all variables (cont.)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD	TEST	FLOW	MAT	STRP	LEAF	STEM
				KG/HA	WT	DAYS	DAYS	RT L	RUST	RUST
NOBS:				(26)	(2)	(32)	(8)	(12)	(16)	(9)
28	GEIER"S"-FQ"S" CM-17246-5L-1L-OL			3675.5	80.4	93.8	149.9	6.1	5.1	13.1
29	QR"S"(CP-ST464 X CR"S"/PLC"S") CM-17800-E-6M-2Y-0Y			4128.8	80.5	96.4	151.5	1.1	6.2	47.0
30	QR"S"(CP-ST464 X CR"S"/PLC"S") CM-17800-E-6M-2Y-0Y			3930.6	80.3	96.7	152.1	0.0	6.9	56.8
31	FRIGATE"S" CM-17904-B-3M-1Y			4507.1	82.8	95.3	150.4	0.0	18.9	35.8
32	FRIGATE"S" CM-17904-B-3M-1Y-1Y			4281.6	82.3	94.9	150.3	0.1	18.5	34.6
33	FQ"S"-DOM"S" CM-18548-1Y-1Y-1Y-4M-0Y			3748.9	84.2	96.3	151.5	0.4	4.1	48.9
34	WIN"S" CM-18577-11Y-6Y-2Y-0Y			3707.0	81.2	95.3	151.8	1.5	13.6	50.3
35	WIN"S" CM-18577-11Y-6Y-2Y-0Y-15B-0Y			3915.2	80.9	95.3	151.6	1.1	12.7	53.5
36	WIN"S" CM-18577-11Y-7Y-1Y-1M-0Y-OKE			4044.6	80.9	97.8	152.5	2.0	8.4	56.5
37	CR"S"-USA. 02299 CM-18882-2Y-0Y			3945.6	80.5	94.1	150.4	4.6	13.9	42.4
38	OU"S"-MEXI"S" CD-297-18-28-1S-0B			3431.4	78.3	96.5	152.8	9.3	8.4	27.1
39	CHI"S" CD-1314-A-1Y-2Y			3864.7	81.4	93.9	151.3	5.6	8.7	28.4
40	GFN			3832.5	72.4	105.2	155.9	3.5	10.6	38.7
41	HAL"S" CD-1894-18Y-0Y			3468.9	82.0	94.3	151.1	3.5	10.5	27.1
42	ROK"S" CD-1895-12Y-0Y-2E			3728.5	81.7	94.8	149.8	4.6	14.1	28.4
43	ROK"S" CD-1895-12Y-1Y-8B-0Y			3019.2	80.1	90.9	149.4	0.1	11.4	39.9
44	ROK"S" CD-1895-12Y-2Y-2M-0Y			3933.1	79.6	96.7	150.6	3.3	10.5	39.4
45	ROK"S" CD-1895-12Y-0Y-2E-3B-0Y			3989.6	81.0	97.8	151.5	2.1	5.7	33.9
46	ROK"S" CD-1895-12Y-0Y-2E-6B-0Y			3547.3	81.8	97.8	151.6	4.5	6.6	41.7
47	MEXI"S"-OTA"S" CD-1896-1Y-3Y-OKE			4142.7	79.2	96.6	151.0	0.3	8.5	36.4
48	MEXI"S"-MAGH"S" CD-3879-29M-1M-0Y-1B			3782.2	80.9	95.6	150.6	11.3	17.5	29.0
49	MOA"S" CD-3935-1Y-1M-4Y-0M			4107.8	82.1	96.4	151.0	2.7	8.2	20.6
50	BOYEROS"S" CD-4404-B-9Y-3M-0Y			3540.0	81.4	95.6	151.6	2.6	8.3	6.6
51	CINC"S" CD-4465-E-4Y-9M-0Y-OKE-1B			4295.7	78.6	95.3	150.3	3.0	2.9	31.4
52	OTA"S"-TC60 X MEXI"S" CD-4853-E-1Y-1M-0Y			3811.5	80.9	94.5	151.3	5.0	11.0	55.0
53	S15-CR"S"/CIT"S"-AA"S" X FQ"S" CD-7443-11Y-4M-0Y			3720.6	80.9	95.7	151.6	4.1	11.4	45.9
54	(RABI"S"/OLL"B" X LDS-RL3601)FQ"S" CD-7455-4Y-1M-0Y			3841.7	81.7	95.0	151.5	5.8	22.5	33.4
55	JD"S"-CR"S" X D. COLL. 01 CD-7473-24Y-1M-0Y			3504.0	81.6	96.5	151.6	0.0	2.0	36.8
56	RALLE"S"-OTA"S" CD-7482-5Y-1M-1Y-2M-0Y			4203.2	82.8	95.2	149.6	1.4	8.9	34.2

Table 2. Summary of means of all variables (cont.)

VTY	PINT III	LDDO %	POWD %	REPT TRII	FRET DMGE	BYDV	EARR /M2	YELL BERR	FUS GRAM
	(27)	(3)	(5)	(6)	(2)	(1)	(1)	(1)	(2)
28	84.6	5.0	24.0	57.8	42.5	11.0	307.0	5.0	30.0
29	74.8	6.7	30.4	62.0	42.5	0.0	396.0	5.0	30.0
30	73.8	3.3	31.0	55.4	40.0	0.0	233.0	10.0	35.0
31	78.7	5.0	17.8	48.6	3.0	11.0	341.0	5.0	50.0
32	76.8	3.3	22.2	51.2	3.0	0.0	504.0	5.0	25.0
33	69.3	1.7	28.8	60.0	10.0	0.0	270.0	10.0	30.0
34	79.1	1.7	31.0	62.0	5.0	11.0	348.0	40.0	60.0
35	80.0	3.3	28.8	55.4	5.0	0.0	215.0	30.0	50.0
36	79.0	6.7	33.2	57.6	3.0	0.0	437.0	10.0	50.0
37	75.5	1.7	35.2	59.8	30.0	0.0	478.0	10.0	40.0
38	84.1	6.7	13.0	59.8	26.5	22.0	178.0	0.0	40.0
39	80.4	6.7	28.8	55.4	27.5	11.0	385.0	5.0	25.0
40	77.0	1.7	39.8	57.6	2.0	33.0	289.0	0.0	5.0
41	80.0	16.7	22.2	57.6	3.0	33.0	541.0	30.0	25.0
42	81.4	25.0	24.4	59.8	8.0	11.0	385.0	10.0	30.0
43	76.7	26.7	17.6	55.4	13.0	44.0	256.0	5.0	45.0
44	77.1	16.7	24.4	57.6	1.0	33.0	292.0	5.0	60.0
45	78.6	20.0	26.4	55.4	1.0	22.0	378.0	0.0	30.0
46	79.9	20.0	24.2	62.0	41.0	11.0	359.0	5.0	60.0
47	73.3	16.7	15.4	66.5	37.5	11.0	363.0	30.0	55.0
48	72.0	6.7	6.6	53.0	38.0	22.0	341.0	5.0	65.0
49	79.0	46.7	35.4	55.4	3.0	22.0	633.0	0.0	70.0
50	80.3	40.0	37.8	62.0	40.0	44.0	374.0	30.0	35.0
51	89.7	5.0	31.0	57.6	41.5	11.0	552.0	5.0	30.0
52	78.6	10.0	28.8	57.6	42.5	33.0	500.0	10.0	15.0
53	80.3	20.0	42.4	57.8	42.5	22.0	400.0	5.0	55.0
54	81.9	20.0	15.4	59.8	32.5	33.0	311.0	5.0	50.0
55	70.8	10.0	22.2	62.0	42.5	44.0	270.0	5.0	30.0
56	81.8	48.3	39.8	64.2	42.5	44.0	404.0	0.0	30.0

Table 2. Summary of means of all variables (cont.)

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:	(26)	(2)	(32)	(8)	(12)	(16)	(9)
57	ENTE"S"-MEXI"S" CD-B153-12M-6Y-4M-0Y			3913.1	80.5	99.4	151.8	0.2	8.2	42.4
58	ENTE"S"-MEXI"S" CD-B153-12M-3Y-4M-1Y-0M			4093.5	80.1	98.8	152.0	6.2	10.8	23.0
59	FULI"S" CD-B942-32M-1Y-5M-3Y-1M-0Y			3757.9	83.9	97.2	151.9	2.4	4.1	9.3
60	MEXICALI 75			3453.0	79.8	91.4	148.9	15.8	11.8	15.3
61	FG"S"-RUFF"S" CD-9210-9SK-0SK			3896.1	81.8	94.0	150.9	2.1	3.9	36.2
62	ATD"S" X AA"S"-PLC"S"/D67.2 CD-10023-3M-4Y-4M-1Y-1M-0Y			4405.6	81.7	97.2	151.5	1.9	8.4	42.3
63	ERP"S"-RUSD CD-10437-13M-3Y-0M			4010.1	82.2	100.8	153.0	3.2	11.3	50.1
64	ERP"S"-RUSD CD-10437-31M-1Y-1M-1Y-0M			4498.2	82.0	100.2	152.6	6.0	12.4	20.4
65	MEMO"S" CD-10521-1-21M-1Y-1M-1Y-1M-0Y			3674.0	81.5	101.7	153.5	2.5	7.8	17.5
66	EIDER"S" CD-10535-D-1M-1Y-1M-2Y-0M			4158.1	81.3	100.8	151.5	1.3	1.7	41.1
67	MISRI"S"-MEXI"S" X SNIPE"S" CD-10662-F-1M-1Y-2M-1Y-0M			3997.5	82.2	100.3	153.1	0.1	5.5	6.4
68	MISRI"S"-MEXI"S" X SNIPE"S" CD-10662-F-1M-1Y-2M-3Y-0M			4353.4	81.6	99.9	152.9	0.0	4.9	8.1
69	BAAT"S" CD-11814-5Y-8M-2Y-3M-1Y-1M-0Y			3791.4	82.5	96.9	151.7	9.9	13.2	33.7
70	CR"S"-USA.02299 X CR"S"-QB"S" CD-11823-4Y-5M-1Y-1M-0Y			4083.3	82.2	103.8	153.6	4.0	16.1	58.9
71	LDS MUT-TEAL"S" CD-12427-4Y-2M-2Y-2M-2Y-0M			3917.5	81.3	95.8	150.8	9.4	7.4	8.4
72	LDS MUT-TEAL"S" CD-12427-4Y-2M-2Y-4M-1Y-0M			3795.6	82.5	96.5	150.3	6.7	7.8	6.5
73	WIN"S"-AA"S" CD-12454-3Y-11M-1Y-2M-1Y-0M			3579.0	81.7	94.2	149.5	12.7	5.0	49.1
74	DACK"S"-KIWI"S" CD-12499-9Y-2M-3Y-1M-0Y			4049.4	81.7	97.7	151.4	8.3	0.9	34.7
75	USA.0640-FQ"S" X FQ"S"-RUFF"S" CD-14119-E-7Y-1M-2Y-3M-0Y			4091.0	81.2	97.3	151.3	7.5	4.0	18.7
76	USA0640-FQ"S" X FQ"S"-RUFF"S" CD-14119-E-7Y-1M-2Y-2M-1Y-0M			4499.7	83.5	97.3	152.4	6.4	5.5	16.4
77	FQ"S"-AA"S" X MAL"S"-MARIO"S" CD-14472-D-4Y-2M-3Y-3M-0Y			4192.3	83.7	96.8	151.5	5.6	1.3	32.9
78	FQ"S"-AA"S" X MAL"S"-MARIO"S" CD-14472-D-4Y-5M-2Y-1M-0Y			3673.8	84.1	97.6	152.1	4.8	1.3	23.3
79	FQ"S"-DDM"S" X KIF"S" CD-15587-24M-1Y-4M-0Y			4212.2	82.6	96.9	151.9	11.3	3.4	21.1
80	AMAL72 D-24102-10Y-3M-100Y-0M			3619.9	76.7	93.0	150.0	12.5	3.0	44.4
81	TEAL"S"-WIN"S" X QAD"S" CD-16467-A-5M-1Y-2M-0Y			4040.2	81.3	95.1	150.7	14.0	8.9	30.2
82	TEAL"S"-WIN"S" X QAD"S" CD-16467-A-9M-2Y-2M-1Y-1M-0Y			3706.3	81.5	94.8	150.1	10.9	10.7	26.3
83	TEAL"S"-WIN"S" X QAD"S" CD-16467-A-11M-4Y-1M-1Y-1M-0Y			3868.0	80.1	96.5	151.6	12.3	12.1	20.9
84	QDW"S" CD-16548-D-12M-7Y-4M-0Y			3565.4	81.9	100.1	154.0	11.6	12.4	23.5
85	WIN"S"-USA.02237 X QAD"S" CD-16559-C-7M-2Y-2M-1Y-0M			4412.6	76.5	98.8	152.3	23.5	11.7	36.5

Table 2. Summary of means of all variables (cont.)

VTY	PLNT HT	LODG %	POMD %	SEPT TRIT	FRST DMSE	BYDV	EARS /M2	YELL BERR	FUS GRAM
	(27)	(3)	(5)	(6)	(2)	(1)	(1)	(1)	(2)
57	77.7	56.7	26.4	55.4	40.0	22.0	500.0	0.0	40.0
58	82.5	40.0	24.2	53.2	31.5	33.0	367.0	0.0	35.0
59	78.9	36.7	26.4	55.4	42.5	11.0	459.0	0.0	35.0
60	78.5	56.7	22.0	57.6	45.0	11.0	600.0	10.0	35.0
61	73.2	36.7	20.0	62.0	43.5	11.0	563.0	5.0	35.0
62	79.0	13.3	35.6	53.0	26.5	33.0	244.0	0.0	6.5
63	75.5	3.3	35.2	55.4	38.0	44.0	374.0	5.0	20.0
64	77.6	3.3	24.4	57.6	38.0	44.0	270.0	10.0	30.0
65	69.2	3.3	13.7	53.4	38.0	44.0	270.0	15.0	45.0
66	81.9	8.3	31.2	48.8	26.0	0.0	367.0	0.0	25.0
67	72.1	10.0	31.2	57.6	40.0	22.0	415.0	10.0	50.0
68	73.7	6.7	30.8	55.2	39.0	22.0	407.0	10.0	25.0
69	78.0	6.7	31.2	62.0	39.0	22.0	218.0	5.0	55.0
70	80.3	36.7	41.8	61.0	26.5	11.0	267.0	0.0	40.0
71	73.1	5.0	11.0	62.0	41.5	22.0	296.0	10.0	65.0
72	76.2	18.3	26.6	53.0	45.0	33.0	248.0	5.0	75.0
73	98.0	60.0	28.6	59.8	27.5	11.0	318.0	0.0	60.0
74	77.5	3.3	33.2	59.8	38.5	22.0	330.0	5.0	70.0
75	76.3	16.7	24.4	57.6	41.0	44.0	452.0	5.0	40.0
76	77.8	10.0	19.5	62.0	42.5	22.0	448.0	0.0	15.0
77	78.4	26.7	24.6	55.4	45.0	22.0	233.0	0.0	30.0
78	69.4	13.3	13.2	57.6	45.0	11.0	478.0	5.0	30.0
79	78.8	10.0	28.6	64.0	40.0	11.0	578.0	5.0	60.0
80	74.3	10.0	19.8	57.6	47.5	22.0	504.0	0.0	50.0
81	80.6	20.0	22.2	62.0	38.5	11.0	489.0	5.0	45.0
82	79.7	65.0	20.0	55.6	42.5	33.0	481.0	0.0	40.0
83	76.3	31.7	20.0	62.0	40.0	33.0	315.0	40.0	50.0
84	77.7	16.7	22.2	62.0	40.0	67.0	270.0	0.0	45.0
85	77.7	1.7	13.0	57.6	39.0	56.0	526.0	50.0	65.0

Table 2. Summary of means of all variables (cont.)

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:	(28)	(2)	(32)	(8)	(12)	(16)	(9)
86	SWAN"S" CD-16707-E-1M-2Y-5M-0Y			3751.6	83.2	96.6	152.3	8.6	4.7	10.1
87	SWAN"S" CD-16707-G-3M-3Y-0M-2B-0Y			4354.3	84.3	98.8	152.5	1.7	4.3	54.7
88	SWAN"S" CD-16707-G-3M-3Y-0M-3B-0Y			4497.2	84.1	98.7	152.1	2.2	1.7	54.7
89	(PLC"S" X SALT I AUTMA-HITI/FC"S")MEX I"S" CD-16895-A-3M-2Y-2M-0Y			3693.6	82.3	94.1	150.4	13.8	0.8	12.1
90	(PLC"S" X SALT I AUTMA-HITI/FC"S")MEX I"S" CD-16895-A-3M-2Y-3M-0Y			4063.1	81.8	93.4	150.0	9.8	1.2	24.0
91	QTA"S"-RABI"S" X USAIV718/SCD"S" CD-16906-H-5M-2Y-7M-0Y			3856.4	79.0	94.3	151.6	7.6	0.7	53.8
92	ACU"S" CD-16907-B-1M-1Y-3M-0Y			4413.1	80.8	95.9	152.5	0.1	1.9	41.6
93	OYCA"S"-MAQH"S" X RUFF"S"-FQ"S" CD-16913-B-2M-2Y-3M-4Y-0M			4068.3	83.6	96.4	152.3	1.5	5.0	3.9
94	FUL"S"-FQ"S"/OYCA"S" X RUFF"S"-FQ"S" CD-17305-A-5M-1Y-1M-0Y			4001.0	83.3	96.7	152.4	5.9	2.0	34.2
95	FUL"S"-FQ"S"/OYCA"S" X RUFF"S"-FQ"S" CD-17305-A-5M-1Y-2M-0Y			4011.5	83.2	98.3	152.1	1.9	2.5	30.0
96	FUL"S"-FQ"S"/OYCA"S" X RUFF"S"-FQ"S" CD-17305-A-5M-4Y-1M-0Y			3842.1	82.3	97.9	154.3	2.6	3.0	47.3
97	FUL"S"-FQ"S"/OYCA"S" X RUFF"S"-FQ"S" CD-17305-A-5M-4Y-3M-0Y			4200.5	80.1	97.5	151.8	1.2	2.8	41.0
98	OYCA"S" X GCOVZ394-CIT"S" CD-17717-5Y-3M-1Y-0M			3551.5	80.4	96.5	152.9	0.7	1.4	55.7
99	DURUM73-IBIS"S" X OYCA"S" CD-17916-5Y-3M-0Y			3538.8	79.7	94.8	151.2	2.9	1.5	46.0
100	OVI65			4682.0	83.0	97.1	151.8	4.1	4.8	41.5
101	DURUM73-IBIS"S" X OYCA"S" CD-17916-11Y-3M-1Y-0M			3528.8	80.7	93.6	149.5	2.1	2.9	49.5
102	RUFF"S"-MEXI"S" X SNIPE"S" CD-18150-5Y-1M-0Y			4315.4	79.5	96.8	154.3	1.6	8.0	36.0
103	(S15-T.DIC-GLL"S"/PLC"S")SNIPE"S" CD-18215-7Y-3M-1Y-0M			4085.9	79.1	94.5	150.3	1.1	1.3	44.6
104	YEL"S"/RABI"S"-COCOBAS10 X CH67-JD"S" CD-18303-13Y-3M-1Y-0M			3763.7	79.5	97.1	152.9	3.9	3.0	54.5
105	BD1814 X BD1705-BD1543/BIT"S" CD-18758-3Y-2M-2Y-0M			4365.0	83.2	96.7	150.0	5.0	4.6	52.8
106	QUIL"S"-MEXI"S" X USA 0575 CD-19376-F-3Y-9M-0Y			4035.3	80.7	97.9	153.4	15.2	9.9	35.1
107	QUIL"S"-MEXI"S" X USA 0575 CD-19376-F-3Y-3M-1Y-0M			3885.0	84.1	97.6	152.9	2.2	8.6	22.9
108	GAD"S"-SNIPE"S" X QEDIZ"S" CD-19646-A-7Y-1M-0Y			4143.3	81.8	99.3	154.4	6.2	6.9	35.3
109	FER"S" CD-19688-G-1Y-3M-2Y-1M-0Y			3917.3	83.1	95.1	152.5	2.3	1.6	36.3
110	GUIL"S"-SNIPE"S" X ODOVZ449 CD-19711-D-1Y-3M-0Y			4433.9	81.6	98.6	154.3	2.6	6.9	39.6
111	DOM"S" X CR"S"(2)-9B"S"/SCD"S" CD-19743-C-6Y-2M-0Y			4261.9	82.9	97.6	152.0	2.2	3.8	39.4
112	BOY"S"-SNIPE"S" X QEDIZ"S"-CORN"S" CD-19832-A-5Y-1M-0Y			4014.1	81.4	99.8	154.0	11.9	1.5	5.4
113	PEN"S" CD-19858-B-2Y-1M-0Y			4274.4	82.6	98.3	153.6	0.0	15.5	4.8

Table 2. Summary of means of all variables (cont.)

VTY	PLNT HT	LODG %	POND %	SEPT TRIT	FRST DMCE	BYDV	EARS /M2	YELL BERR	FUS GRAM
	(27)	(3)	(5)	(6)	(2)	(1)	(1)	(1)	(2)
86	77.1	1.7	31.0	59.8	39.0	33.0	333.0	0.0	50.0
87	80.3	1.7	30.8	62.0	39.0	33.0	363.0	0.0	35.0
88	80.9	3.3	32.8	62.0	41.5	44.0	248.0	0.0	55.0
89	77.1	10.0	11.0	60.0	50.0	33.0	470.0	0.0	70.0
90	76.0	16.7	17.4	62.0	47.5	33.0	589.0	5.0	60.0
91	77.3	20.0	37.4	59.8	29.0	11.0	677.0	5.0	70.0
92	76.9	16.7	26.4	59.8	40.0	78.0	422.0	10.0	65.0
93	76.9	16.7	19.8	59.8	40.0	67.0	459.0	0.0	40.0
94	73.1	6.7	19.6	64.2	41.0	22.0	200.0	5.0	50.0
95	73.4	3.3	24.4	55.4	40.0	33.0	422.0	5.0	25.0
96	75.0	10.0	19.8	55.4	41.0	22.0	237.0	5.0	30.0
97	75.8	6.7	17.6	62.0	42.5	44.0	315.0	5.0	35.0
98	72.1	5.0	55.4	55.4	43.5	22.0	222.0	10.0	20.0
99	68.2	3.3	24.2	57.6	40.0	33.0	307.0	5.0	40.0
100	76.7	21.7	15.4	62.0	43.5	33.0	418.0	5.0	45.0
101	69.7	6.7	19.8	59.8	45.0	22.0	415.0	20.0	35.0
102	75.3	16.7	28.6	55.4	30.0	44.0	444.0	20.0	40.0
103	69.4	20.0	35.2	53.2	47.5	22.0	567.0	10.0	45.0
104	74.4	13.3	48.4	59.8	40.0	56.0	537.0	10.0	45.0
105	73.0	20.0	44.4	59.8	55.0	33.0	367.0	50.0	50.0
106	76.5	16.7	31.2	59.8	45.0	11.0	407.0	5.0	45.0
107	72.5	10.0	28.8	62.0	45.0	0.0	437.0	5.0	45.0
108	76.6	36.7	22.2	57.8	39.0	11.0	330.0	10.0	40.0
109	80.0	53.3	24.4	55.4	40.0	22.0	330.0	5.0	65.0
110	80.6	10.0	41.8	59.8	40.0	0.0	204.0	5.0	25.0
111	80.6	50.0	26.6	57.6	40.0	11.0	233.0	10.0	45.0
112	72.9	11.7	42.0	60.0	41.0	0.0	500.0	10.0	30.0
113	79.5	36.7	35.8	57.6	40.0	22.0	407.0	15.0	35.0

Table 2. Summary of means of all variables (cont.)

VITY NO	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD	TEST	FLOW	MAT	STRP	LEAF	STEM	
				KG/HA	WT	DAYS	DAYS	RT L	RUST	RUST	
				NDRS	(26)	(2)	(32)	(8)	(12)	(16)	(9)
114	FIAD"S" CD-19923-B-2Y-1M-0Y			4234.2	83.4	98.0	155.4	1.6	4.1	30.3	
115	BIT"S"-QED17"S" CD-20095-5M-1Y-1M-0Y			4129.4	83.6	99.1	153.1	7.8	3.6	5.3	
116	SHMA"S"-BIT"S" CD-20626-5M-2Y-1M-0Y			3924.1	81.9	99.1	153.6	3.8	2.4	36.5	
117	SHMA"S"-BIT"S" CD-20626-5M-6Y-1M-0Y			4094.7	76.4	105.1	160.3	0.6	7.1	34.6	
118	SHMA"S"-BIT"S" CD-20626-6M-2Y-1M-0Y			3953.3	81.7	99.4	154.0	0.1	8.3	18.5	
119	ORE"S"-CORDH"S" X SHMA"S" CD-22237-C-2M-6Y-2M-0Y			3981.4	82.3	96.7	153.9	3.8	2.7	34.2	
120	ARONAS CD-27534-1M-1Y-1M-0YPHI			4305.6	80.0	95.4	152.0	3.5	2.9	16.0	
121	RUFF"S"-FQ"S" X MEXI75/SHMA"S" CD-22344-C-6M-4Y-2M-0Y			3707.8	83.6	98.6	154.6	1.3	8.4	19.9	
122	SHMA"S" X MAGH"S"-BIT"S" CD-24832-A-1Y-1M-0Y			4399.8	83.2	97.2	153.3	0.8	3.8	8.8	
123	DURO5-IBIS"S" X REN"B"/SNIPE"S" CD-24842-A-3Y-2M-0Y			4023.1	82.4	97.4	152.4	2.3	3.0	11.7	
124	DURO5-IBIS"S" X REN"B"/SNIPE"S" CD-24842-A-3Y-3M-0Y			4293.6	81.1	98.1	153.1	0.0	2.0	25.7	
125	ERP"S"-OS"S" X BOY"S" CD-25043-A-1Y-3M-0Y			4391.0	82.1	99.2	155.1	12.9	19.4	15.6	
126	[(DURUM46 X BD154B-N262. B/QAD"S") FUL"S"]BOY"S" CD-25395-A-2Y-3M-0Y			4263.3	79.8	99.2	154.9	10.5	10.1	21.4	
127	[(DURUM46 X BD154B-N262. B/QAD"S") FUL"S"]BOY"S" CD-25395-A-3Y-1M-0Y			4117.4	78.9	101.8	154.9	8.4	13.3	12.3	
128	DURO3-IBIS"S" X 1150-KR569 F4LAMB-2Y-1M			4182.4	82.2	96.1	151.6	14.0	6.4	24.6	
129	ALGERIAN 86			4136.7	82.6	96.6	151.1	3.6	3.2	14.3	
130	QEDIZ"B" D-27534-1M-1Y-1M-0Y			4249.0	82.8	95.5	153.1	1.9	9.3	29.2	
131	RUFF"S" D-27572-20M-3Y-3M-1Y-0M			3629.0	78.6	93.4	152.0	0.0	3.1	30.2	
132	QDDVZ469-PLC"S" CM-373-3M-2Y-1M-0Y-0B			3685.7	82.8	95.0	153.0	3.0	2.6	27.9	
133	RUFF"S"-FQ"S" CM-9880-25M-1Y-1M-1Y			3964.6	83.4	93.0	153.1	0.9	4.6	12.7	
134	GOOSE"S" CM-10143-19M-2Y-1M-1Y-0Y			4510.0	82.3	99.0	151.5	9.5	10.0	28.5	
135	MAHA"S" X S15-CR"S" CM-10448-5B-06K			3837.4	81.2	95.5	152.3	4.0	8.6	49.5	
136	SNIPE"S" CM-13414-1Y-3M-0Y			3776.0	83.1	96.6	153.4	11.0	5.8	29.3	
137	LOON"S" CM-14528-C-1Y-1M-0Y			4377.2	81.0	98.2	153.9	2.8	6.9	28.7	
138	KIF"S" CM-14662-D-14Y-3M-1Y-1Y-0Y			3770.9	81.3	96.8	151.6	8.6	6.0	62.5	
139	BAR"S" CM-17728-4M-4Y-1Y-0S			4200.4	83.4	97.8	151.8	3.5	9.5	28.7	
140	JOC69			3957.5	79.5	94.5	153.4	15.5	1.9	11.6	
141	CINE"S" CM-17731-A-2Y-1Y-0Y			3954.1	81.5	95.0	151.0	24.9	4.5	21.4	
142	SCA"S" CM-18537-1Y-0Y-1B			4339.3	80.6	97.0	155.3	0.0	5.3	24.5	

Table 2. Summary of means of all variables (cont.)

VTY	PLNT HT	LODR %	FRWD %	SEPI TRIT	FRST DMGE	BYDV	EARS /MO	YEIL BERR	FUS GRAM
	(27)	(3)	(5)	(6)	(2)	(1)	(1)	(1)	(2)
114	81.8	26.7	24.2	50.8	41.5	0.0	385.0	20.0	55.0
115	77.8	13.3	26.4	55.4	40.0	11.0	281.0	5.0	40.0
116	76.1	6.7	37.8	57.6	38.5	22.0	304.0	10.0	35.0
117	82.8	6.7	35.6	53.4	39.0	44.0	285.0	0.0	50.0
118	75.9	26.7	37.8	53.0	40.0	56.0	200.0	30.0	50.0
119	78.0	16.7	35.4	57.8	40.0	11.0	341.0	5.0	35.0
120	80.6	40.0	30.8	64.0	45.0	33.0	444.0	30.0	45.0
121	76.0	43.3	44.4	57.6	42.5	11.0	389.0	10.0	35.0
122	73.1	40.0	24.2	53.4	45.0	22.0	407.0	10.0	40.0
123	67.0	10.0	33.2	57.4	40.0	22.0	507.0	5.0	70.0
124	71.0	6.7	30.8	57.6	45.0	11.0	344.0	10.0	65.0
125	80.1	5.0	31.0	59.8	51.5	44.0	378.0	10.0	30.0
126	78.6	23.3	39.8	62.0	51.5	11.0	348.0	30.0	40.0
127	74.2	10.0	37.6	57.6	37.5	33.0	500.0	30.0	35.0
128	79.2	6.7	39.6	52.8	37.5	0.0	448.0	5.0	40.0
129	80.1	43.3	26.4	59.8	40.0	11.0	318.0	5.0	40.0
130	79.8	43.3	25.0	46.4	50.0	44.0	404.0	0.0	50.0
131	75.4	38.3	22.3	60.0	45.0	33.0	552.0	20.0	45.0
132	77.7	56.7	11.0	59.8	50.0	11.0	489.0	5.0	25.0
133	74.8	5.0	24.8	59.8	20.0	22.0	289.0	0.0	50.0
134	80.0	23.3	19.5	59.8	7.0	11.0	400.0	0.0	20.0
135	73.2	16.7	33.0	62.0	30.0	22.0	381.0	0.0	65.0
136	71.5	30.0	44.2	55.4	45.0	33.0	441.0	15.0	70.0
137	80.8	56.7	33.2	62.0	42.5	78.0	367.0	0.0	65.0
138	79.9	36.7	33.2	59.8	45.0	33.0	333.0	30.0	25.0
139	76.9	36.7	24.4	57.6	47.5	56.0	392.0	0.0	45.0
140	78.2	43.3	31.0	59.8	32.5	22.0	456.0	30.0	25.0
141	72.0	53.3	39.8	62.0	45.0	33.0	418.0	30.0	40.0
142	79.8	50.0	20.0	57.6	41.5	33.0	518.0	0.0	40.0

Table 2. Summary of means of all variables (cont.)

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:									
											(26)	(2)	(32)	(8)	(12)	(16)	(9)			
143	WIN"S" CM-18577-11Y-6Y-2Y-0Y-4B-0Y			4076.9	81.0	97.4	153.4	0.0	16.5	39.0										
144	WIN"S" CM-18577-11Y-6Y-2Y-0Y-13B-0Y			3727.0	81.3	94.5	151.5	1.0	7.3	47.4										
145	QS"S" X S15-CR"S" CM-18694-1Y-0Y-5Y			4149.8	81.5	94.9	152.1	6.7	3.4	24.3										
146	QS"S" X S15-CR"S" CM-18694-22Y-1Y-0Y-0KE-1B			4055.9	80.4	97.2	152.6	0.6	14.7	14.9										
147	(OR"S"-S. CP X ST464/CR"S")9TA"S" CM-19742-D-5Y-1M-2Y-2Y			4530.7	82.5	100.0	154.5	4.7	14.2	9.0										
148	OB"S"-MEXI"S" CD-1754-3Y-1Y-0Y-1B			3330.6	79.7	97.4	156.6	6.9	4.3	35.8										
149	BOYERDS"S" CD-4404-D-2Y-3M-1Y-5M-0Y			3683.0	82.9	96.0	152.0	20.0	4.9	22.4										
150	(HR X HJA-AB5. D77/T. DUR-T. SPH X OLL" ")MEXI"S" CD-4774-J-1Y-1M-0Y-1B			3349.7	77.7	94.0	152.4	24.4	11.7	6.0										
151	TUB"S" CD-7849-3M-1Y-5M-2Y-1M-0Y			3856.0	83.2	95.9	149.6	14.6	3.8	22.6										
152	TUB"S" CD-7849-3M-1Y-5M-2Y-2M-0Y			3573.4	81.9	96.8	153.1	3.7	13.1	15.0										
153	TUB"S" CD-7849-3M-3Y-4M-1Y-1M-0Y			3567.4	80.8	98.7	152.9	1.2	7.8	20.3										
154	ENTE"S"-MEXI"S" CD-8153-12M-3Y-1M-2Y-1M-0Y			3743.4	80.2	98.5	153.9	7.4	6.1	16.3										
155	FULI"S" CD-8942-42M-1Y-3M-3Y-1M			3727.3	83.0	96.2	151.8	4.3	3.1	17.4										
156	FULI"S" CD-8942-23M-1Y-1M-5Y-1M-0Y			3645.8	83.0	96.4	151.6	7.0	3.1	11.5										
157	BD"S"-QS"S" X COOT"S"/RUFF"S"-FQ"S" CD-10454-3M-3Y-6M-3Y-3M-0Y			3830.9	81.1	96.5	151.5	8.2	3.3	15.4										
158	BD"S"-QS"S" X COOT"S"/RUFF"S"-FQ"S" CD-10454-3M-3Y-2M-2Y-1M-0Y			3756.6	81.0	95.8	150.5	9.6	4.4	15.9										
159	MEMO"S" CD-10521-1-4M-1Y-3M-1Y-0M			3733.6	79.1	95.5	150.1	0.4	12.8	32.0										
160	CANDD			3969.5	69.8	108.9	160.1	41.5	11.3	19.3										
161	JO"S"-CR"S" X USA. 01679/JO"S"-OR"S" CD-10579-F-6M-1Y-4M-0Y			3898.0	81.8	97.2	152.3	0.1	13.3	22.9										
162	DACK"S"-KIWI"S" CD-12499-8Y-1M-4Y-1M-0Y			4331.8	80.8	99.9	152.9	10.7	4.2	40.1										
163	KIF"S" X RUFF"S"-FQ"S" CD-12781-5Y-3Y-5Y-2M-0Y			3430.8	82.8	96.2	151.3	1.5	4.3	16.1										
164	KIF"S" X RUFF"S"-FQ"S" CD-12781-5Y-4M-1Y-1M-0Y			3762.0	83.9	96.8	150.6	0.0	4.7	29.7										
165	RALLE"S" X CH67-JO"S"/RUFF"S"-FQ"S" CD-13228-15Y-2M-1Y-2M-1Y-0M			3875.2	84.8	99.4	152.0	20.3	3.3	31.6										
166	USAIV893-MAGH"S" X FQ"S"-CR"S" CD-14198-A-1Y-8M-2Y-2M-0Y			3831.0	79.1	95.7	150.4	10.5	4.4	19.2										
167	PLC"S"-CR"S" X CH67-JO"S"/BD1814 X BD1708-BD1543 CD-15149-6M-3Y-3M-2Y-1M-0Y			3609.6	80.5	96.0	151.5	2.6	4.7	39.2										
168	STIL"S" CD-16677-A-2M-1Y-4M-0Y			3978.4	83.6	94.5	151.3	13.2	5.4	21.9										
169	STIL"S" CD-16677-A-2M-3Y-1M-3Y-0M			4360.9	83.1	95.7	151.3	7.8	4.3	25.3										
170	DVI165-CP X FQ"S"/RUFF"S"-FQ"S" CD-16696-E-1M-2Y-1M-0Y			4271.7	81.9	95.4	150.9	4.0	6.7	8.4										

Table 2. Summary of means of all variables (cont.)

VTY	PLNT HT	LDDG %	POWD %	SEPT TRIT	FRST DMGE	BYDV	EARS /H2	YELL BERR	FUS GRAM
	(27)	(3)	(5)	(6)	(2)	(1)	(1)	(1)	(2)
143	80.6	8.3	31.0	57.6	42.5	56.0	196.0	10.0	45.0
144	76.8	10.0	39.8	51.2	45.0	67.0	430.0	5.0	40.0
145	74.4	10.0	48.4	55.4	75.0	33.0	441.0	5.0	30.0
146	76.2	3.3	48.4	55.4	75.0	11.0	226.0	5.0	55.0
147	78.2	13.3	46.4	59.6	75.0	22.0	404.0	5.0	45.0
148	75.2	33.3	33.0	53.0	75.0	22.0	237.0	10.0	50.0
149	73.3	33.3	37.2	59.8	75.0	11.0	367.0	15.0	60.0
150	81.7	23.3	26.0	53.0	75.0	11.0	578.0	15.0	50.0
151	72.1	13.3	28.8	57.6	75.0	11.0	437.0	15.0	45.0
152	72.1	20.0	33.0	57.6	75.0	44.0	463.0	5.0	60.0
153	71.1	10.0	37.4	59.8	75.0	33.0	392.0	5.0	30.0
154	83.0	10.0	35.4	59.8	75.0	56.0	278.0	0.0	45.0
155	72.3	6.7	28.6	51.0	75.0	33.0	341.0	0.0	50.0
156	72.8	20.0	33.3	53.2	75.0	44.0	292.0	5.0	55.0
157	68.8	10.0	37.0	62.0	75.0	0.0	704.0	10.0	55.0
158	68.8	10.0	42.2	57.6	75.0	11.0	437.0	5.0	70.0
159	69.8	6.7	33.4	55.6	100.0	22.0	367.0	10.0	70.0
160	74.8	2.5	28.8	63.8	100.0	33.0	674.0	0.0	0.0
161	71.2	3.3	42.0	52.8	75.0	33.0	548.0	5.0	35.0
162	76.0	16.7	44.2	48.6	50.0	0.0	526.0	5.0	10.0
163	75.2	10.0	31.0	51.2	75.0	22.0	496.0	0.0	30.0
164	74.8	6.7	37.6	55.4	50.0	33.0	381.0	0.0	20.0
165	78.9	10.0	51.0	59.8	75.0	22.0	470.0	5.0	50.0
166	75.7	6.7	31.0	59.8	75.0	44.0	333.0	10.0	55.0
167	75.6	6.7	35.4	61.3	75.0	44.0	470.0	10.0	55.0
168	81.0	16.7	37.4	57.6	75.0	33.0	526.0	5.0	50.0
169	76.1	13.3	24.0	51.2	75.0	11.0	467.0	10.0	70.0
170	72.0	13.3	31.0	59.8	75.0	22.0	381.0	40.0	25.0

Table 2. Summary of means of all variables (cont.)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD	TEST	FLOW	MAT	STRP	LEAF	STEM
				KG/HA	WT	DAYS	DAYS	RT. L	RUST	RUST
				NOBS: (26)	(2)	(32)	(8)	(12)	(16)	(9)
171	GEDIZ"S"-FQ"S" X QTA"S" CD-16706-B-8M-5Y-3M-OY			4028.9	83.0	92.5	148.9	2.6	5.9	59.5
172	DURUM73-1B1S"S" X DYCA"S" CD-17916-11Y-16M-OY			3514.0	80.7	93.7	148.4	2.4	5.3	58.9
173	DURUM73-1B1S"S" X DYCA"S" CD-17916-11Y-18M-OY			3790.6	80.6	93.7	149.0	3.0	6.3	62.5
174	DURUM73-1B1S"S" X DYCA"S" CD-17916-5Y-4M-2Y-OM			3442.7	82.2	97.7	150.0	1.0	5.6	56.4
175	GUIL"S"-MEXI"S" X USA 0575 CD-19576-C-1Y-1M-OY			4307.1	81.9	102.2	153.3	14.6	3.6	26.2
176	SCA"S"-KIF"S" X AQ. ELONG-TAC. OY CD-19675-C-6Y-1M-OY			4225.2	81.7	95.9	150.4	19.8	4.5	25.6
177	GFN-MEXI75 CD-2007B-1M-2Y-2M-OY			3737.1	82.6	95.9	150.1	9.6	5.6	20.3
178	BIT"S" X QTA"S"-S0179 CD-20124-4M-2Y-1M-OY			4193.2	84.0	97.2	151.5	1.5	4.2	21.8
179	BIT"S" X QTA"S"-S0179 CD-20124-4M-2Y-4M-OY			4066.4	84.1	94.3	152.1	5.5	7.2	22.3
180	CANANEA 79			3981.6	68.1	92.3	150.8	0.3	2.6	3.0
181	NACH"S" CD-22289-A-4M-2Y-1M-OY			3348.4	78.8	95.9	152.1	0.1	3.8	7.8
182	BIT"S"-CORM"S" X SHMA"S" CD-22356-A-9M-1Y-5M-OY			3356.8	79.7	97.5	152.6	4.4	4.9	28.7
183	NJORD 231			3998.6	78.6	95.4	152.5	6.8	5.9	15.1
184	MEXI75-GEDIZ"S" CD-26264-3B-1Y-OY			4405.1	82.1	94.1	150.9	17.8	6.9	21.4
185	MEXI75-GEDIZ"S" CD-26264-3B-3Y-OY			4396.4	82.5	94.6	151.8	12.6	4.0	20.4
186	{SCA"S"(7B-MOH'RARI X B15-CR"S"/MEXI I"S")}FRIQ"S" CD-27276-A-2M-3Y-OY			4106.4	83.2	96.0	152.0	1.8	3.0	32.1
187	{USDA0580/CIT"S"-AA"S" X FQ"S"}GOOSE S" CD-27381-H-3M-1Y-OY			4192.4	82.4	96.8	150.6	10.9	3.7	8.6
188	BD204-ROM"S" X SCAR"S" CD-27433-F-2M-1Y-OY			4410.3	83.5	99.1	153.9	8.6	5.7	19.0
189	FRIQ"S"-REN"S" X RUFF"S"-QTA"S"/REN" CD-28376-D-2M-1Y-OY			3730.5	78.8	92.5	150.1	1.7	4.5	33.3
190	MEMO"S" X SCAR"S"-QDO. VZ579 CD-29793-1M-1Y-OY			3968.7	79.9	96.8	152.8	7.1	4.4	45.6
191	SHMA"S" X CIT71-QTA"S" CD-29987-2M-2Y-OY			3747.0	82.8	95.2	152.4	6.1	7.6	20.9
192	{SCD"S"/BD1814 X BD1708-BD1543}ROM"S" CD-27658-1M-1Y-OY			4403.1	81.8	95.3	151.6	5.0	11.2	42.0
193	{RALLE"S"-FQ"S"(QR"S"-CP X ST464/ CH67-QTA"S")}BQV"S" 10007 CD-24803-A-1Y-1M-1Y-OY			4036.0	81.2	96.6	151.4	11.4	5.2	22.9
194	{RALLE"S"-FQ"S"(QR"S"-CP X ST464/ CH67-QTA"S")}BOV"S" 10008 CD-24803-A-1Y-1M-2Y-OY			4109.2	81.9	96.8	151.8	5.4	13.5	21.1
195	{S0179-PH158 X QTA"S"-S0195{(MAGH"S" X QS"S"-AA"S"/RABI"S"}215633}PLC"S" 10015 CD-24827-A-2Y-7M-1Y-OY			4079.5	84.1	92.8	150.6	17.0	14.1	33.6
196	SHMA"S"-MEXI 75 X YAV"S" 10026 CD-24831-A-3Y-2M-1Y-OY			3927.7	83.0	93.5	151.9	11.2	7.2	37.3
197	SHMA"S"-MEXI 75 X YAV"S" 10029 CD-24831-B-1Y-3M-1Y-OY			4403.8	84.1	94.2	152.3	13.5	14.6	31.5

Table 2. Summary of means of all variables (cont.)

VTY	PLNT HT	LODC %	PDMD %	SEPT TRIT	FRST DMGE	BYDV	EARS /M2	YELL BERR	FUS GRAM
	(27)	(3)	(5)	(6)	(2)	(1)	(1)	(1)	(2)
171	74.8	13.3	50.0	57.6	75.0	11.0	311.0	5.0	65.0
172	63.9	3.3	64.0	61.3	75.0	44.0	378.0	20.0	45.0
173	71.7	3.3	55.8	53.2	75.0	11.0	367.0	15.0	35.0
174	71.8	6.7	21.8	53.4	50.0	33.0	263.0	5.0	35.0
175	84.8	10.0	13.7	57.6	25.0	33.0	407.0	5.0	10.0
176	76.2	26.7	26.4	53.4	50.0	22.0	485.0	5.0	50.0
177	77.5	13.3	15.6	53.2	50.0	11.0	530.0	5.0	55.0
178	84.5	16.7	16.8	52.5	50.0	22.0	330.0	5.0	55.0
179	85.9	10.0	19.5	64.0	50.0	11.0	341.0	10.0	45.0
180	96.1	10.0	5.5	58.5	-----	0.0	307.0	10.0	60.0
181	78.6	6.7	22.2	55.4	75.0	33.0	296.0	10.0	35.0
182	71.8	6.7	24.4	57.6	75.0	0.0	274.0	5.0	55.0
183	76.8	5.0	22.0	60.8	50.0	0.0	663.0	10.0	55.0
184	81.2	5.0	35.2	57.6	50.0	11.0	563.0	10.0	65.0
185	82.8	6.7	31.0	61.0	50.0	0.0	415.0	10.0	30.0
186	76.1	16.7	17.4	69.3	50.0	0.0	481.0	5.0	20.0
187	78.6	6.7	28.8	46.4	50.0	56.0	541.0	5.0	10.0
188	76.8	13.3	39.8	57.6	50.0	33.0	459.0	0.0	15.0
189	71.5	10.0	35.4	53.2	50.0	11.0	426.0	5.0	60.0
190	77.1	3.3	37.8	55.4	50.0	33.0	444.0	5.0	60.0
191	76.8	20.0	40.0	52.5	50.0	33.0	567.0	5.0	25.0
192	80.7	10.0	26.8	64.4	50.0	33.0	430.0	5.0	55.0
193	78.5	20.0	39.8	53.0	75.0	56.0	356.0	5.0	65.0
194	78.5	20.0	41.8	62.0	75.0	56.0	237.0	5.0	50.0
195	75.2	16.7	38.8	51.0	75.0	22.0	400.0	5.0	70.0
196	71.1	16.7	28.6	66.8	75.0	22.0	815.0	10.0	50.0
197	77.2	23.3	35.8	53.2	50.0	0.0	248.0	5.0	40.0

Table 2. Summary of means of all variables (cont.)

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:									
											(26)	(2)	(32)	(8)	(12)	(16)	(9)			
198	SHWA"S"-MEXI 75 X YAV"S" 10030 CD-24831-B-2Y-1M-1Y-0Y			4422.0	83.2	95.1	152.4	19.6	9.3	24.7										
199	SHWA"S"-MEXI 75 X YAV"S" 10032 CD-24831-E-1Y-2M-1Y-0Y			3888.8	82.6	96.8	152.3	11.3	9.5	35.1										
200	MODOC			3806.2	82.3	93.2	151.6	44.9	11.7	25.4										
201	CORM"S" X D67 3-GTA"S"/MEXI"S"-KIWI" 10059 CD-24922-C-1Y-2M-2Y-0Y			3607.2	80.4	100.3	161.7	3.6	8.6	18.4										
202	P66/270-PTL"S" X DOM"S"/BIT"S" 10094 CD-25031-A-1Y-3M-2Y-0Y			4287.5	82.2	98.3	160.7	11.6	12.6	17.9										
203	GFN-AA"S" X GTA"S"-PO"S"/BOY"S" 10132 CD-25241-A-2Y-4M-2Y-0Y			4170.2	81.3	98.7	155.8	8.5	8.6	26.1										
204	21563-AA"S" X MEXI75 10164 CD-22745-10Y-1M-1Y-0Y			3655.9	82.2	94.3	152.8	23.4	12.6	16.4										
205	USDA580/GEIER"S"-OS"S" X FO"S"-CR"S" 10167 CD-22850-8Y-1M-1Y-0Y			4009.9	80.2	97.6	153.6	6.2	5.5	23.0										
206	SHWA"S"-YAV"S" 10195 CD-23184-3Y-3M-1Y-0Y			4039.2	80.9	97.8	153.9	5.2	6.9	16.3										
207	RABI"S"-FO"S" X MAL"S" 10206 CD-23269-5Y-1M-1Y-0Y			3669.3	82.9	96.3	152.5	4.4	4.7	8.4										
208	WAHA"S"-YAV"S" 10215 CD-23331-5Y-2M-2Y-0Y			4347.7	82.1	96.9	151.5	8.6	9.8	4.0										
209	WAHA"S"-YAV"S" 10218 CD-23582-7Y-8M-1Y-0Y			3965.3	82.8	97.8	154.9	12.0	2.8	16.0										
210	FO"S"-DOM"S" X BIT"S" 10219 CD-23598-2Y-1M-1Y-0Y			4482.2	81.0	96.9	153.1	5.6	7.1	16.1										
211	BIT"S"-YEL"S" 10254 CD-23780-2Y-2M-1Y-0Y			4115.0	80.4	96.0	150.6	10.0	5.1	5.2										
212	BOY"S"-BIT"S" 10263 CD-24014-1Y-2M-2Y-0Y			4017.1	81.8	99.6	154.9	13.4	6.3	18.0										
213	GTA"S"-MEXI"S" X RUFF"S"-FO"S" 10271 CD-24080-2Y-2M-1Y-0Y			4069.1	84.0	96.7	153.5	15.6	10.2	28.8										
214	GTA"S"-MEXI"S" X RUFF"S"-FO"S" 10272 CD-24080-2Y-2M-2Y-0Y			4012.6	83.3	96.6	154.0	6.4	5.4	24.4										
215	GTA"S"-MEXI"S" X RUFF"S"-FO"S" 10274 CD-24080-8Y-1M-1Y-0Y			4331.2	84.9	96.5	154.3	6.1	5.9	19.1										
216	ROK"S" X GTA"S"-DURUM69 10275 CD-24140-6Y-1M-1Y-0Y			3887.7	85.0	95.5	154.3	9.2	11.6	32.8										
217	QEDIZ"S"-BIT"S" 10281 CD-24242-4Y-1M-1Y-0Y			4739.6	84.3	95.6	153.4	12.3	6.5	21.9										
218	SCO"S"-FO"S" X QEDIZ"S" 10301 CD-20095-2M-1Y-1M-1Y-0Y			4408.4	86.3	96.0	153.4	4.9	6.9	35.0										
219	SCO"S"-FO"S" X QEDIZ"S" 10303 CD-20095-4M-1Y-2M-1Y-0Y			3987.7	84.1	98.9	154.6	8.0	10.4	37.9										
220	MAGHREBI 72			3260.2	79.8	91.3	148.6	9.3	18.7	23.9										
221	SCO"S"-FO"S" X GTA"S"(2)-S0179 CD-20124-11M-3Y-2M-1Y-0Y			4224.2	83.2	95.2	154.3	0.0	7.5	32.6										
222	(CYUS"S"/BD1814 X BD1708-BD1543)YAV" CD-22009-B-7M-4Y-1M-1Y-0Y			4194.0	80.6	96.0	152.0	0.0	5.9	19.9										
223	TERN"S"-ESSAIP X MEXI75 CD-22198-C-2M-5Y-1M-2Y-0Y			4016.0	82.0	98.3	152.6	4.1	14.2	26.0										
224	GTA"S"-MEXI"S" X CIT71/SHWA"S" CD-22239-A-1M-2Y-5M-1Y-0Y			3606.4	80.7	92.7	149.5	2.9	2.6	45.8										
225	YAV"S"-CORM"S" X SHWA"S" CD-22356-B-10M-1Y-1M-1Y-0Y			4248.8	85.0	97.8	151.4	5.1	11.6	53.1										

Table 2. Summary of means of all variables (cont.)

VTY	PLNT HT	LODG %	POWD %	SEPT TRIT	FRST DMGE	BYDV	EARS /M2	YELL BERR	FUS GRAM
	(27)	(3)	(5)	(6)	(2)	(1)	(1)	(1)	(2)
198	79.6	5.0	42.0	57.6	50.0	0.0	415.0	5.0	60.0
199	77.7	13.3	24.6	55.4	50.0	22.0	389.0	5.0	15.0
200	73.6	6.7	57.8	69.3	100.0	11.0	392.0	10.0	60.0
201	79.8	3.3	31.2	69.3	50.0	11.0	281.0	0.0	55.0
202	74.3	5.0	37.6	66.5	75.0	11.0	426.0	10.0	50.0
203	75.0	10.0	53.2	52.5	75.0	67.0	411.0	5.0	25.0
204	77.6	26.7	35.4	69.3	75.0	56.0	607.0	5.0	50.0
205	78.5	16.7	30.8	55.4	75.0	22.0	396.0	0.0	45.0
206	78.6	5.0	28.8	57.6	75.0	22.0	281.0	5.0	55.0
207	72.7	13.3	51.2	69.3	75.0	67.0	259.0	5.0	50.0
208	83.7	20.0	31.0	69.3	75.0	56.0	496.0	5.0	60.0
209	86.6	16.7	22.2	53.0	75.0	22.0	478.0	5.0	35.0
210	79.3	23.3	15.2	57.6	75.0	44.0	296.0	5.0	45.0
211	75.7	66.7	22.0	64.0	50.0	44.0	363.0	5.0	40.0
212	80.2	46.7	24.0	69.3	50.0	78.0	311.0	0.0	40.0
213	87.0	53.3	24.4	44.3	75.0	67.0	337.0	5.0	50.0
214	83.2	46.7	28.8	44.3	25.0	33.0	500.0	5.0	60.0
215	80.5	16.7	26.6	48.6	25.0	33.0	422.0	0.0	45.0
216	78.8	23.3	19.6	59.8	50.0	56.0	341.0	0.0	50.0
217	77.1	46.7	37.8	59.8	75.0	44.0	396.0	5.0	40.0
218	78.9	43.3	44.6	63.8	75.0	56.0	567.0	5.0	50.0
219	80.5	43.3	33.0	69.3	75.0	33.0	667.0	0.0	30.0
220	72.4	13.3	15.4	66.5	75.0	11.0	544.0	0.0	60.0
221	83.5	23.3	31.0	61.0	75.0	44.0	307.0	0.0	35.0
222	85.7	36.7	28.8	62.0	75.0	44.0	570.0	0.0	50.0
223	106.0	43.3	17.6	55.4	75.0	0.0	370.0	0.0	35.0
224	75.9	10.0	13.0	62.0	75.0	33.0	248.0	0.0	75.0
225	77.3	13.3	22.2	55.3	75.0	33.0	348.0	0.0	55.0

Table 2. Summary of means of all variables (cont.)

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:	(26)	(2)	(32)	(8)	(12)	(16)	(9)
226	DURO73-IBIS"S" X OYCA"S" CD-17916-4Y-3M-1Y-2M-1Y-0Y			3257.8	79.2	91.4	150.8	1.5	2.8	44.5
227	CYUS"S"-SINCAPE 9 X YEL"S"/CFN5-FQ"S X PTL"S" CD-16981-1-3Y-3M-2Y-3M-1Y-0Y			4533.9	80.2	94.0	149.9	1.2	2.4	36.1
228	TEAL"S"-WIN"S" X QAD"S" CD-16467-A-3M-5Y-3M-1Y-1M-1Y-0Y			4086.4	80.4	97.8	152.1	11.6	9.8	27.6
229	GEDIZ-FQ"S" X QTA"S" CD-16706-C-7M-1Y-1M-1Y-1M-1Y-0Y			4125.7	80.8	101.5	158.9	1.6	7.2	16.6
230	FUL"S"-QTA"S" X KIF"S" CD-16791-E-9M-4Y-6M-1Y-2M-1Y-0Y			3956.8	81.9	98.3	151.1	6.4	1.9	32.2
231	FUL"S"-QTA"S" X KIF"S" CD-16791-E-9M-5Y-5M-1Y-1M-1Y-0Y			4021.8	82.7	99.4	152.1	13.2	5.1	44.5
232	OYCA"S"-MAGN"S" X RUFF"S"-FQ"S" CD-16913-B-2M-2Y-3M-2Y-1M-1Y-0Y			4375.3	82.2	96.0	150.4	9.5	2.2	7.3
233	KIF"S" X BD17-MYP. YRELLOURICO(D67.3- QTA"S"/6710-6780 X PTL"S") CD-17381-A-2M-1Y-1M-1Y-1M-1Y-0Y			3539.8	84.3	96.5	150.5	12.2	11.6	39.4

Table 2. Summary of means of all variables (cont.)

VTY	PLNT HT	LODG %	FOMD %	SEPT TRIT	FRST DMGE	BYDV	EARS /M2	YELL BERR	FUS GRAM
	(27)	(3)	(5)	(6)	(2)	(1)	(1)	(1)	(2)
226	72.5	13.3	28.8	59.8	75.0	56.0	292.0	5.0	50.0
227	94.7	21.7	16.8	49.5	75.0	22.0	233.0	0.0	35.0
228	80.2	10.0	19.8	59.8	75.0	33.0	404.0	0.0	50.0
229	72.2	5.0	17.4	66.5	75.0	33.0	111.0	0.0	55.0
230	77.5	6.7	33.4	69.3	75.0	0.0	330.0	5.0	25.0
231	73.3	10.0	24.0	58.3	75.0	44.0	422.0	5.0	25.0
232	74.4	13.3	19.8	63.8	75.0	44.0	452.0	0.0	40.0
233	75.5	10.0	19.0	62.0	75.0	0.0	252.0	0.0	55.0

Table 3. Top performance entries: Yield

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT
			NOBS:	(26)	(2)
217	GEDIZ"S"-BIT"S" 10281 CD-24242-4Y-1M-1Y-0Y			4739.6	84.3
100	OVI65			4682.0	83.0
227	CYUS"S"-SINCAPE 9 X YEL"S"/CFNS-FQ"S X PTL"S" CD-19981-1-3Y-3M-2Y-3M-1Y-0Y			4533.9	80.2
147	(GR"S"-S. CP X ST464/CR"S")OTA"S" CM-19742-D-5Y-1M-2Y-2Y			4530.7	82.5
134	GOOSE"S" CM-10143-19M-2Y-1M-1Y-0Y			4510.0	82.3
31	FRIGATE"B" CM-17904-B-3M-1Y			4507.1	82.8
76	USA0640-FQ"S" X FQ"S"-RUFF"S" CD-14119-E-7Y-1M-2Y-2M-1Y-0M			4499.7	83.5
64	ERP"S"-RUSO CD-10437-31M-1Y-1M-1Y-0M			4498.2	82.0
88	SWAN"S" CD-16707-0-3M-3Y-0M-3B-0Y			4497.2	84.1
210	FQ"S"-DOM"S" X BIT"S" 10219 CD-23598-2Y-1M-1Y-0Y			4482.2	81.0
110	GUIL"S"-SNIPE"B" X ODOVZ449 CD-19711-D-1Y-3M-0Y			4433.9	81.6
198	SHMA"S"-MEXI 75 X YAV"S" 10030 CD-24831-B-2Y-1M-1Y-0Y			4422.0	83.2
92	ACU"S" CD-16907-B-1M-1Y-3M-0Y			4413.1	80.8
85	WIN"S"-USA.02237 X GAD"S" CD-16559-C-7M-2Y-2M-1Y-0M			4412.6	76.5
188	BD204-RDM"B" X SCAR"B" CD-27433-F-2M-1Y-0Y			4410.3	83.5
218	BCD"S"-FQ"S" X GEDIZ"S" 10301 CD-20095-2M-1Y-1M-1Y-0Y			4408.4	86.3
62	ATD"S" X AA"B"-PLC"B"/D67.2 CD-10023-3M-4Y-4M-1Y-1M-0Y			4405.6	81.7
184	MEXI75-GEDIZ"S" CD-26264-3B-1Y-0Y			4405.1	82.1
197	SHMA"S"-MEXI 75 X YAV"S" 10029 CD-24831-B-1Y-3M-1Y-0Y			4403.8	84.1
192	(SCO"B"/BD1814 X BD1708-BD1543)RDM"B" CD-27658-1M-1Y-0Y			4403.1	81.8
122	SHMA"S" X MAGH"B"-BIT"S" CD-24832-A-1Y-1M-0Y			4399.8	83.2
185	MEXI75-GEDIZ"S" CD-26264-3B-3Y-0Y			4396.4	82.5
125	ERP"S"-OS"S" X BOY"S" CD-25043-A-1Y-3M-0Y			4391.0	82.1
137	LOON"S" CM-14528-C-1Y-1M-0Y			4377.2	81.0
232	OYCA"S"-MAGH"S" X RUFF"B"-FQ"S" CD-16913-B-2M-2Y-3M-2Y-1M-1Y-0Y			4375.3	82.2
105	BD1814 X BD1705-BD1543/BIT"S" CD-18758-3Y-2M-2Y-0M			4365.0	83.2

Table 3. Top performance entries: Yield (cont.)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT
			NOBS:	(26)	(2)
169	STIL"S" CD-16677-A-2M-3Y-1M-3Y-0M			4360.9	83.1
87	SWAN"S" CD-16707-0-3M-3Y-0M-2B-0Y			4354.3	84.3
68	MIBRI"S"-MEXI"S" X SNIPE"S" CD-10662-F-1M-1Y-2M-3Y-0M			4353.4	81.6
208	MAHA"S"-YAV"S" 10215 CD-23331-5Y-2M-2Y-0Y			4347.7	82.1
142	SCA"S" CM-18537-1Y-0Y-1B			4339.3	80.6
162	DACK"S"-KIWI"S" CD-12499-8Y-1M-4Y-1M-0Y			4331.8	80.8
215	OTA"S"-MEXI"S" X RUFF"S"-FQ"S" 10274 CD-24080-8Y-1M-1Y-0Y			4331.2	84.9
102	RUFF"S"-MEXI"S" X SNIPE"S" CD-18150-5Y-1M-0Y			4315.4	79.5
175	GUIL"S"-MEXI"S" X USA 0575 CD-19576-0-1Y-1M-0Y			4307.1	81.9
120	ARDNAS CD-27534-1M-1Y-1M-0YPHI			4305.6	80.0
51	CINC"S" CD-4465-E-4Y-3M-0Y-0KE-1B			4295.7	78.6
124	DUROS-IBIS"S" X REN"S"/SNIPE"S" CD-24842-A-3Y-3M-0Y			4293.6	81.1
202	P66/270-PTL"S" X DOM"S"/BIT"S" 10094 CD-25031-A-1Y-3M-2Y-0Y			4287.5	82.2
32	FRIGATE"S" CM-17904-B-3M-1Y-1Y			4281.6	82.3
113	PEN"S" CD-19858-B-2Y-1M-0Y			4274.4	82.6
170	DVI65-CP X FQ"S"/RUFF"S"-FQ"S" CD-16696-E-1M-2Y-1M-0Y			4271.7	81.9
9	YAV"S" CM-9799-126M-1M-4Y-0Y			4270.6	83.7
126	[(DURUM46 X BD1548-N262.B/GAD"S") FUL"S"J80Y"S" CD-25395-A-2Y-5M-0Y			4263.3	79.8
111	DOM"S" X CR"S" (2)-0S"S"/SCD"S" CD-19743-C-6Y-2M-0Y			4261.9	82.9
130	GEDIZ"S" D-27534-1M-1Y-1M-0Y			4249.0	82.8
225	YAV"S"-CORN"S" X SHNA"S" CD-22356-B-10M-1Y-1M-1Y-0Y			4248.8	85.0

Table 4. Top performance entries: Days to flower

VTY NO	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	NOBS:	
				(32)	(8)
				FLOW DAYS	MAT DAYS
43	ROK"S" CD-1895-12Y-1Y-8B-0Y			90.9	149.4
220	MAGHREBI 72			91.3	148.6
226	DURUM73-IBIS"S" X OYCA"S" CD-17916-4Y-3M-1Y-2M-1Y-0Y			91.4	150.8
60	MEXICALI 75			91.4	148.9
180	CANANEA 79			92.3	150.8
189	FRIG"S"-REN"S" X RUFF"S"-OTA"S"/REN" CD-28376-D-2M-1Y-0Y			92.5	150.1
171	QEDIZ"S"-FQ"S" X OTA"S" CD-16706-B-8M-5Y-3M-0Y			92.5	148.9
224	OTA"S"-MEXI"S" X CIT71/SHMA"S" CD-22239-A-1M-2Y-5M-1Y-0Y			92.7	149.5
195	(B0179-PH158 X OTA"S"-B0195(MAGH"S" X OS"S"-AA"S"/RABI"S")21563I)PLC"S" 10015 CD-24827-A-2Y-7M-1Y-0Y			92.8	150.6
133	RUFF"S"-FQ"S" CM-9880-25M-1Y-1M-1Y			93.0	153.1
80	ANAL72 D-24102-10Y-3M-100Y-0M			93.0	150.0
3	RUFF"S" D-27572-20M-3Y-3M-1Y-0M			93.2	151.4
200	MODOC			93.2	151.6
131	RUFF"S" D-27572-20M-3Y-3M-1Y-0M			93.4	152.0
90	(PLC"S" X SALTI AUTMA-HITI/FQ"S")MEX I"S" CD-16895-A-3M-2Y-3M-0Y			93.4	150.0
196	SHMA"S"-MEXI 75 X YAV"S" 10026 CD-24831-A-3Y-2M-1Y-0Y			93.5	151.9
22	OYCA"S" CM-14562-J-500Y-1M-3Y-1Y-0Y			93.5	150.9
23	OYCA"S" CM-14562-J-500Y-1M-3Y-1Y-0Y-2B			93.5	151.6
101	DURUM73-IBIS"S" X OYCA"S" CD-17916-11Y-3M-1Y-0M			93.6	149.5
173	DURUM73-IBIS"S" X OYCA"S" CD-17916-11Y-18M-0Y			93.7	149.0
172	DURUM73-IBIS"S" X OYCA"S" CD-17916-11Y-16M-0Y			93.7	148.4
28	QEIER"S"-FQ"S" CM-17246-5L-1L-0L			93.8	149.9
39	CHI"S" CD-1314-A-1Y-2Y			93.9	151.3
61	FQ"S"-RUFF"S" CD-9210-95K-05K			94.0	150.9
150	(HR X HJA-AB5.D77/T.DUR-T.SPH X OLL" ")MEXI"S" CD-4774-J-1Y-1M-0Y-1B			94.0	152.4
227	CYUS"S"-SINCAPE 9 X YEL"S"/CFN5-FQ"S" X PTL"S" CD-19981-I-3Y-3M-2Y-3M-1Y-0Y			94.0	149.9
89	(PLC"S" X SALTI AUTMA-HITI/FQ"S")MEX I"S" CD-16895-A-3M-2Y-2M-0Y			94.1	150.4

Table 4. Top performance entries: Days to flower (cont.)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	FLDW DAYS	MAT DAYS
			NOBS: (32) (8)		
184	MEXI75-QEDIZ"B" CD-26264-3B-1Y-0Y			94.1	150.9
37	CR"S"-USA. 02299 CM-16882-2Y-0Y			94.1	150.4
197	SHMA"S"-MEXI 75 X YAV"B" 10029 CD-24831-B-1Y-3M-1Y-0Y			94.2	152.3
73	WIN"S"-AA"B" CD-12454-3Y-11M-1Y-2M-1Y-0M			94.2	149.5
41	MAL"B" CD-1894-18Y-0Y			94.3	151.1
204	21563-AA"B" X MEXI75 10164 CD-22745-10Y-1M-1Y-0Y			94.3	152.8
179	BIT"S" X GTA"B"-80179 CD-20124-4M-2Y-4M-0Y			94.3	152.1
91	GTA"B"-RABI"S" X USAIV718/BCD"B" CD-16906-M-5M-2Y-7M-0Y			94.3	151.6
168	STIL"B" CD-16677-A-2M-1Y-4M-0Y			94.5	151.3
144	WIN"B" CM-18577-11Y-6Y-2Y-0Y-13B-0Y			94.5	151.5
52	GTA"S"-TC60 X MEXI"B" CD-4853-E-1Y-1M-0Y			94.5	151.3
1	BD1814 X BD1708-BD1543 D-70-55-0BK			94.5	150.1
140	JOC69			94.5	153.4
103	(S15-T. DIC-QLL"S"/PLC"B")SNIPE"B" CD-18215-7Y-3M-1Y-0M			94.5	150.3
185	MEXI75-QEDIZ"B" CD-26264-3B-3Y-0Y			94.6	151.8
7	COOT"B" CM-225-10M-1Y-0M-0Y			94.8	150.1
82	TEAL"S"-WIN"B" X GAD"B" CD-16467-A-9M-2Y-2M-1Y-1M-0Y			94.8	150.1
99	DURUM73-1818"B" X OYCA"B" CD-17916-5Y-3M-0Y			94.8	151.2
42	ROK"S" CD-1895-12Y-0Y-2E			94.8	149.8
145	GB"S" X S15-CR"B" CM-18694-1Y-0Y-5Y			94.9	152.1

Table 5. Top performance entries: Days to maturity

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	MATURE		
				DAYS	DAYS	
				NOBS	(8)	(32)
172	DURUM73-IBIS"S" X OYCA"S" CD-17916-11Y-16M-0Y			148.4		93.7
220	MAHREBI 72			148.6		91.3
171	QEDIZ"S"-FQ"S" X OTA"S" CD-16706-B-8M-5Y-3M-0Y			148.9		92.5
60	MEXICALI 75			148.9		91.4
173	DURUM73-IBIS"S" X OYCA"S" CD-17916-11Y-18M-0Y			149.0		93.7
43	ROK"S" CD-1895-12Y-1Y-8B-0Y			149.4		90.9
101	DURUM73-IBIS"S" X OYCA"S" CD-17916-11Y-3M-1Y-0M			149.5		93.6
224	OTA"S"-MEXI"S" X CIT71/BHMA"S" CD-22239-A-1M-2Y-5M-1Y-0Y			149.5		92.7
73	WIN"S"-AA"S" CD-12454-3Y-11M-1Y-2M-1Y-0M			149.5		94.2
151	TUB"S" CD-7849-3M-1Y-3M-2Y-1M-0Y			149.6		95.9
56	RALLE"S"-OTA"S" CD-7482-5Y-1M-1Y-2M-0Y			149.6		95.2
42	ROK"S" CD-1895-12Y-0Y-2E			149.8		94.8
28	QEIERS"S"-FQ"S" CM-17246-5L-1L-0L			149.9		93.8
227	CYUS"S"-BINCARE 9 X VEL"S"/CFN5-FQ"S" X PTL"S" CD-19981-1-3Y-3M-2Y-3M-1Y-0Y			149.9		94.0
105	BD1814 X BD1705-BD1543/BIT"S" CD-18758-3Y-2M-2Y-0M			150.0		96.7
90	(PLC"S" X SALT I AUTHA-HITI/FQ"S")MEX I"S" CD-16895-A-3M-2Y-3M-0Y			150.0		93.4
80	AMAL72 D-24102-10Y-3M-100Y-0M			150.0		93.0
174	DURUM73-IBIS"S" X OYCA"S" CD-17916-5Y-4M-2Y-0M			150.0		97.7
189	FRIG"S"-REN"S" X RUFF"S"-OTA"S"/REN" " CD-28376-D-2M-1Y-0Y			150.1		92.5
10	YAV"S" CM-9799-126M-1M-5Y-0Y			150.1		96.8
159	MEMO"S" CD-10521-1-4M-1Y-3M-1Y-0M			150.1		95.5
82	TEAL"S"-WIN"S" X QAD"S" CD-16467-A-9M-2Y-2M-1Y-1M-0Y			150.1		94.8
7	COOT"S" CM-225-10M-1Y-0M-0Y			150.1		94.8
177	GFN-MEXI75 CD-20078-1M-2Y-2M-0Y			150.1		95.9
1	BD1814 X BD1708-BD1543 D-70-55-0BK			150.1		94.5
72	LDS MUT-TEAL"S" CD-12427-4Y-2M-2Y-4M-1Y-0M			150.3		96.5
32	FRIGATE"S" CM-17904-B-3M-1Y-1Y			150.3		94.9

Table 5. Top performance entries: Days to maturity (cont.)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	MAT DAYS	FLOM DAYS
			NOBS:	(8)	(32)
9	YAV"S" CH-9799-126N-1N-4Y-0Y			150.3	96.8
103	(S15-T. DIC-OLL"S"/PLC"S")SNIPE"S" CD-18215-7Y-3M-1Y-0M			150.3	94.5
51	CINC"S" CD-4465-E-4Y-3M-0Y-ONE-1B			150.3	95.3
89	(PLC"S" X BALTI AUTMA-HITI/FG"S")MEX I"S" CD-16895-A-3M-2Y-2M-0Y			150.4	94.1
31	FRIGATE"S" CH-17904-B-3M-1Y			150.4	95.3
176	SCA"S"-KIF"S" X AG. ELONG-TAC. 0Y CD-19679-C-6Y-1M-0Y			150.4	95.9
232	DYCA"S"-MAGH"S" X RUFF"S"-FG"S" CD-16913-B-2M-2Y-3M-2Y-1M-1Y-0Y			150.4	96.0
37	CR"S"-USA. 02299 CH-18882-2Y-0Y			150.4	94.1
166	USAIV893-MAGH"S" X FG"S"-CR"S" CD-14198-A-1Y-8M-2Y-2M-0Y			150.4	95.7
2	GFN-AA"S" D-27530-2M-3Y-2M-1B			150.4	96.5

Table 6. Top performance entries: Height

VTY NO	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	PLNT HT
			NOBS: (27)	
223	TERN"S"-ESSAIP X MEXI75 CD-22198-C-2M-5Y-1M-2Y-0Y			106.0
73	WIN"S"-AA"S" CD-12454-3Y-11M-1Y-2M-1Y-0M			98.0
180	CANANEA 79			96.1
227	CYUS"S"-SINCAPE 9 X YEL"S"/CFN5-F0"S X PTL"S" CD-19981-I-3Y-3M-2Y-3M-1Y-0Y			94.7
51	CINC"S" CD-4465-E-4Y-5M-0Y-OKE-1B			89.7
213	GTA"S"-MEXI"S" X RUFF"S"-F0"S" 10271 CD-24080-2Y-2M-1Y-0Y			87.0
209	WAHA"S"-YAV"S" 10218 CD-23582-7Y-8M-1Y-0Y			86.6
179	BIT"S" X GTA"S"-80179 CD-20124-4M-2Y-4M-0Y			85.9
222	(CYUS"S"/BD1814 X BD1708-BD1543)YAV" CD-22009-B-7M-4Y-1M-1Y-0Y			85.7
175	QUIL"S"-MEXI"S" X USA.0575 CD-19576-0-1Y-1M-0Y			84.8
28	OEIER"S"-F0"S" CM-17246-3L-1L-0L			84.6
178	BIT"S" X GTA"S"-80179 CD-20124-4M-2Y-1M-0Y			84.5
38	GU"S"-MEXI"S" CD-257-15-28-18-08			84.1
19	DACK"S" CM-13919-11Y-2M-2Y-0Y-OKE-1B			84.0
208	WAHA"S"-YAV"S" 10215 CD-23331-5Y-2M-2Y-0Y			83.7
221	SCO"S"-F0"S" X GTA"S"(2)-80179 CD-20124-11M-3Y-2M-1Y-0Y			83.5
214	GTA"S"-MEXI"S" X RUFF"S"-F0"S" 10272 CD-24080-2Y-2M-2Y-0Y			83.2
26	KIF"S" CM-14662-0B			83.1
134	ENTE"S"-MEXI"S" CD-8153-12M-3Y-1M-2Y-1M-0Y			83.0
185	MEXI75-OEDIZ"S" CD-26264-3B-3Y-0Y			82.8
58	ENTE"S"-MEXI"S" CD-8153-12M-3Y-4M-1Y-0M			82.5
117	SHWA"S"-BIT"S" CD-20626-5M-6Y-1M-0Y			82.5
16	AA"S"-CR"S" X CIT"S" CM-10187-7M-0Y-1B			82.5
20	CIT71			82.0
66	EIDER"S" CD-10535-D-1M-1Y-1M-2Y-0M			81.9
54	(RABI"S"/OLL"S" X LDS-RL3601)F0"S" CD-7455-4Y-1M-0Y			81.9
56	RALLE"S"-GTA"S" CD-7482-5Y-1M-1Y-2M-0Y			81.8
114	FIAD"S" CD-19923-B-2Y-1M-0Y			81.8
150	(HR X HJA-AB5.D77/T.DUR-T.SPH X OLL" ")MEXI"S" CD-4774-J-1Y-1M-0Y-1B			81.7

Table 6. Top performance entries: Height (cont.)

VTY NO.	VARIETY OR CRDGS AND PEDIGREE	GRAIN	ORIGIN	PLNT HT
			NOBS: (27)	
15	GOOSE"S" CM-10143-19M-2Y-1M-1Y-0Y-1PTZ-OAP			81.7
42	ROK"S" CD-1895-12Y-0Y-2E			81.4
184	MEX175-OEDIZ"S" CD-26264-3B-1Y-0Y			81.2
168	STIL"S" CD-16677-A-2M-1Y-4M-0Y			81.0
88	SWAN"S" CD-16707-G-3M-3Y-0M-3B-0Y			80.9
137	LOON"S" CM-14528-C-1Y-1M-0Y			80.8
192	(SCD"S"/BD1814 X BD1708-BD1543)ROK"S" CD-27658-1M-1Y-0Y			80.7
18	CH67 X JO"S"-CR"S" CM-12887-10Y-2M-1Y-0Y			80.7
81	TEAL"S"-WIN"S" X GAD"S" CD-16467-A-5M-1Y-2M-0Y			80.6
143	WIN"S" CM-18577-11Y-6Y-2Y-0Y-4B-0Y			80.6
111	DOM"S" X CR"S"(2)-OS"S"/SCD"S" CD-19743-C-6Y-2M-0Y			80.6
120	ARNAS CD-27534-1M-1Y-1M-0YPHI			80.6
110	GUIL"S"-BNIPE"S" X QDOVI449 CD-19711-D-1Y-3M-0Y			80.6
219	SCD"S"-FQ"S" X OEDIZ"S" 10303 CD-20095-4M-1Y-2M-1Y-0Y			80.5
215	OTA"S"-MEXI"S" X RUFF"S"-FQ"S" 10274 CD-24080-8Y-1M-1Y-0Y			80.5
39	CHI"S" CD-1314-A-1Y-2Y			80.4
50	BOYEROS"S" CD-4404-B-9Y-3M-0Y			80.3
53	B15-CR"S"/CIT"S"-AA"S" X FQ"S" CD-7443-11Y-4M-0Y			80.3
70	CR"S"-USA.02299 X CR"S"-OS"S" CD-11823-4Y-5M-1Y-1M-0Y			80.3
87	SWAN"S" CD-16707-G-3M-3Y-0M-2B-0Y			80.3
212	BOY"S"-BIT"S" 10263 CD-24014-1Y-2M-2Y-0Y			80.2
228	TEAL"S"-WIN"S" X GAD"S" CD-16467-A-5M-5Y-3M-1Y-1M-1Y-0Y			80.2
14	GOOSE"S" CM-10143-19M-2Y-1M-1Y-0Y-1PTZ-1B			80.1
125	ERP"S"-OS"S" X BOY"S" CD-25043-A-1Y-3M-0Y			80.1
129	ALGERIAN 86			80.1
35	WIN"S" CM-18577-11Y-6Y-2Y-0Y-15B-0Y			80.0
134	GOOSE"S" CM-10143-19M-2Y-1M-1Y-0Y			80.0
109	FER"S" CD-19688-G-1Y-3M-2Y-1M-0Y			80.0
41	MAL"S" CD-1894-18Y-0Y			80.0

Table 7. Top performance entries: Lodging

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	LODC %	PLNT HT
			NOBS	(3)	(27)
1	BD1814 X BD1/08-BD1543 D-70-55-0BK			1.7	72.4
34	WIN"S" CM-18577-11Y-6Y-2Y-0Y			1.7	79.1
3	RUFF"S" D-27572-20M-3Y-3M-1Y-0M			1.7	74.6
33	FG"S"-DOM"S" CM-18548-1Y-1Y-1Y-4M-0Y			1.7	69.3
37	CR"S"-USA. 02299 CM-18882-2Y-0Y			1.7	75.5
85	WIN"S"-USA. 02237 X GAD"S" CD-16559-C-7M-2Y-2M-1Y-0M			1.7	77.7
86	SWAN"S" CD-16707-E-1M-2Y-5M-0Y			1.7	77.1
40	GFN			1.7	77.0
19	DACK"S" CM-13919-11Y-2M-2Y-0Y-0KE-1B			1.7	84.0
87	SWAN"S" CD-16707-0-3M-3Y-0M-2B-0Y			1.7	80.3
160	CANDD			2.5	74.8
2	GFN-AA"S" D-27530-2M-3Y-2M-1B			3.3	74.2
17	FUL"S" CM-10200-9BK-1BK-7Y-0AP			3.3	75.5
65	MEMO"S" CD-10521-I-21M-1Y-1M-1Y-1M-0Y			3.3	69.2
9	YAV"S" CM-9799-126M-1M-4Y-0Y			3.3	78.4
6	QTA"S" D-31725-3M-8Y-0M			3.3	72.8
161	JD"S"-CR"S" X USA. 01679/JD"S"-CR"S" CD-10579-F-6M-1Y-4M-0Y			3.3	71.2
32	FRIGATE"S" CM-17904-B-3M-1Y-1Y			3.3	76.8
74	DACK"S"-KIWI"S" CD-12499-9Y-2M-3Y-1M-0Y			3.3	77.5
20	CIT71			3.3	82.0
35	WIN"S" CM-18577-11Y-6Y-2Y-0Y-15B-0Y			3.3	80.0
99	DURUM73-IBIS"S" X OYCA"S" CD-17916-3Y-3M-0Y			3.3	68.2
23	OYCA"S" CM-14562-J-500Y-1M-3Y-1Y-0Y-2B			3.3	72.8
88	SWAN"S" CD-16707-0-3M-3Y-0M-3B-0Y			3.3	80.9
190	MEMO"S" X SCAR"S"-QDD. VZ579 CD-25793-1M-1Y-0Y			3.3	77.1
64	ERP"S"-RUSD CD-10437-31M-1Y-1M-1Y-0M			3.3	77.6
13	YAV"S" CM-9799-197M-3Y-1M-1Y-1B			3.3	76.2
172	DURUM73-IBIS"S" X OYCA"S" CD-17916-11Y-16M-0Y			3.3	63.9

Table 7. Top performance entries: Lodging (cont.)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	LODG %	PLNT HT
			NOBS:	(3)	(27)
146	OS"S" X B13-CR"S" CM-18694-22Y-1Y-0Y-OKE-1B			3.3	76.2
30	OR"S" (CP-ST464 X CR"S"/PLC"S") CM-17800-E-6M-2Y-0Y			3.3	73.8
63	ERP"S"-RUSD CD-10437-13M-3Y-0M			3.3	75.5
201	CORN"S" X D67.3-OTA"S"/MEXI"S"-KIMI" " 10059 CD-24922-C-1Y-2M-2Y-0Y			3.3	79.8
173	DURUM73-IBIS"B" X OYCA"B" CD-17916-11Y-18M-0Y			3.3	71.7
95	FUL"S"-FQ"S"/OYCA"B" X RUFF"S"-FQ"S" CD-17305-A-3M-1Y-2M-0Y			3.3	73.4
27	ATT"S" CM-17043-1Y-0Y-1B			3.3	71.0
229	OEDIZ-FQ"B" X OTA"B" CD-16706-C-7M-1Y-1M-1Y-1M-1Y-0Y			5.0	72.2
4	FQ"S" D-27582-8M-13Y-2M-0Y			5.0	77.1
71	LDS MUT-TEAL"B" CD-12427-4Y-2M-2Y-2M-2Y-0M			5.0	73.1
184	MEXI73-OEDIZ"B" CD-26264-3B-1Y-0Y			5.0	81.2
10	YAV"B" CM-9799-126M-1M-3Y-0Y			5.0	76.4
24	GUILLEHOT"B" CM-14646-C-1Y-1M-1Y			5.0	77.0
183	NJORO 231			5.0	76.8
11	YAV"B" CM-9799-126M-1M-3Y-0Y-1B			5.0	76.6
12	YAV"B" CM-9799-126M-1M-4Y-0Y-0M			5.0	76.9
98	OYCA"B" X 060V1394-CIT"S" CD-17717-5Y-3M-1Y-0M			5.0	72.1
198	SHMA"S"-MEXI 75 X YAV"B" 10030 CD-24831-B-2Y-1M-1Y-0Y			5.0	79.6
206	SHMA"S"-YAV"B" 10195 CD-23184-3Y-3M-1Y-0Y			5.0	78.6
28	OEIER"S"-FQ"B" CM-17246-3L-1L-0L			5.0	84.6
8	YAV"B" CM-9799-126M-1M-3Y			5.0	78.7
31	CINC"S" CD-4465-E-4Y-5M-0Y-OKE-1B			5.0	89.7
133	RUFF"S"-FQ"S" CM-9880-25M-1Y-1M-1Y			5.0	74.8
125	ERP"S"-OS"B" X BOY"B" CD-25043-A-1Y-3M-0Y			5.0	80.1
202	P66/270-PTL"S" X DOM"S"/BIT"S" 10094 CD-25031-A-1Y-3M-2Y-0Y			5.0	74.3
31	FRIGATE"B" CM-17904-B-3M-1Y			5.0	78.7

Table 8. Top performance entries: Stripe rust (leaf)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	NOBS:		
				STRP RT L	LEAF RUST	STEM RUST
131	RUFF"S" D-27572-20M-3Y-3M-1Y-0M			0.0	3.1	30.2
31	FRIGATE"S" CM-17904-B-3M-1Y			0.0	18.9	35.8
222	(CYUS"S"/BD1814 X BD1708-BD1543)YAV" " CD-22009-B-7M-4Y-1M-1Y-0Y			0.0	5.9	19.9
221	SCD"S"-FQ"S" X GTA"S"(2)-80179 CD-20124-11M-3Y-2M-1Y-0Y			0.0	7.5	32.6
164	KIF"S" X RUFF"S"-FQ"S" CD-12781-3Y-4M-1Y-1M-0Y			0.0	4.7	29.7
142	SCA"S" CM-18537-1Y-0Y-1B			0.0	5.3	24.5
113	PEN"S" CD-19858-B-2Y-1M-0Y			0.0	15.5	4.8
124	DURO5-1818"S" X REN"S"/SNIPE"S" CD-24842-A-3Y-3M-0Y			0.0	2.0	25.7
143	WIN"S" CM-18577-11Y-6Y-2Y-0Y-4B-0Y			0.0	16.5	39.0
55	JO"S"-CR"S" X D. COLL. 01 CD-7473-24Y-1M-0Y			0.0	2.0	36.8
68	MISRI"S"-MEXI"S" X SNIPE"S" CD-10662-F-1M-1Y-2M-3Y-0M			0.0	4.9	8.1
30	GR"S"(CP-BT464 X CR"S"/PLC"S") CM-17800-E-6M-2Y-0Y			0.0	6.9	56.8
92	ACU"S" CD-16907-B-1M-1Y-3M-0Y			0.1	1.9	41.6
67	MISRI"S"-MEXI"S" X SNIPE"S" CD-10662-F-1M-1Y-2M-1Y-0M			0.1	5.5	6.4
161	JO"S"-CR"S" X USA. 01679/JO"S"-GR"S" CD-10579-F-6M-1Y-4M-0Y			0.1	13.3	22.9
7	COOT"S" CM-223-10M-1Y-0M-0Y			0.1	10.8	44.4
19	DACK"S" CM-13919-11Y-2M-2Y-0Y-OKE-1B			0.1	1.0	20.7
3	RUFF"S" D-27572-20M-3Y-3M-1Y-0M			0.1	7.4	22.3
32	FRIGATE"S" CM-17904-B-3M-1Y-1Y			0.1	18.5	34.6
118	SHMA"S"-BIT"S" CD-20626-6M-2Y-1M-0Y			0.1	8.3	18.5
43	ROK"S" CD-1895-12Y-1Y-8B-0Y			0.1	11.4	39.9
181	NACH"S" CD-22289-A-4M-2Y-1M-0Y			0.1	3.8	7.8
57	ENTE"S"-MEXI"S" CD-8153-12M-6Y-4M-0Y			0.2	8.2	42.4
180	CANANEA 79			0.3	2.6	3.0
47	MEXI"S"-GTA"S" CD-1896-1Y-3Y-OKE			0.3	8.5	36.4
2	GFN-AA"S" D-27530-2M-3Y-2M-1B			0.3	14.7	17.4
33	FQ"S"-DOM"S" CM-18548-1Y-1Y-1Y-4M-0Y			0.4	4.1	48.9

Table 8. Top performance entries: Stripe rust (leaf) (cont.)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	NOBS:		
				STRP RT. L (12)	LEAF RUST (16)	STEM RUST (9)
159	MEMO"S" CD-10921-I-4M-1Y-3M-1Y-0M			0.4	12.8	32.0
146	OS"S" X B15-CR"S" CM-18694-22Y-1Y-0Y-0ME-1B			0.6	14.7	14.9
5	SCD"S" D-27625			0.6	2.1	30.1
117	SHWA"S"-BIT"S" CD-20626-5M-6Y-1M-0Y			0.6	7.1	34.6
4	FG"S" D-27582-8M-13Y-2M-0Y			0.6	4.9	17.4
98	OYCA"S" X OGDV1394-CIT"S" CD-17717-5Y-3M-1Y-0M			0.7	1.4	55.7
122	SHWA"S" X HAH"S"-BIT"S" CD-24832-A-1Y-1M-0Y			0.8	3.8	8.8
133	RUFF"S"-FG"S" CM-9880-25M-1Y-1M-1Y			0.9	4.6	12.7
174	DURUM73-IBIS"S" X OYCA"S" CD-17916-3Y-4M-2Y-0M			1.0	5.6	56.4
144	WIN"S" CM-18577-11Y-6Y-2Y-0Y-13B-0Y			1.0	7.3	47.4

Table 9. Top performance entries: Leaf rust

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	LEAF RUST	STRP RT. L	STEM RUST
			NOBS:	(16)	(12)	(9)
91	QTA"S"-RABI"S" X UBIV718/SCD"S" CD-16906-H-5M-2Y-7M-0Y			0.7	7.6	53.8
89	(PLC"S" X SALT I AUTHA-HITI/FQ"S")MEX I"S" CD-16895-A-3M-2Y-2M-0Y			0.8	13.8	12.1
74	DACK"S"-KIMI"S" CD-12499-9Y-2M-3Y-1M-0Y			0.9	8.3	34.7
19	DACK"S" CM-13919-11Y-2M-2Y-0Y-OKE-1B			1.0	0.1	20.7
90	(PLC"S" X SALT I AUTHA-HITI/FQ"S")MEX I"S" CD-16895-A-3M-2Y-3M-0Y			1.2	9.8	24.0
103	(S1S-T.DIC-OLL"S"/PLC"S")BNIPE"S" CD-18215-7Y-3M-1Y-0M			1.3	1.1	44.6
78	FQ"S"-AA"S" X MAL"S"-MARIO"S" CD-14472-D-4Y-5M-2Y-1M-0Y			1.3	4.8	23.3
77	FQ"S"-AA"S" X MAL"S"-MARIO"S" CD-14472-D-4Y-2M-3Y-3M-0Y			1.3	5.6	32.9
98	OYCA"S" X 000VZ394-CIT"S" CD-17717-5Y-3M-1Y-0M			1.4	0.7	55.7
99	DURUM73-IBIS"S" X OYCA"S" CD-17916-5Y-3M-0Y			1.5	2.9	46.0
112	BOY"S"-BNIPE"S" X OEDIZ"S"-CORM"S" CD-19832-A-5Y-1M-0Y			1.5	11.9	5.4
13	YAV"S" CM-9799-197M-3Y-1M-1Y-1B			1.5	2.1	8.4
109	FER"S" CD-19688-0-1Y-3M-2Y-1M-0Y			1.6	2.3	36.3
88	SWAN"S" CD-16707-0-3M-3Y-0M-3B-0Y			1.7	2.2	54.7
64	EIDER"S" CD-10535-D-1M-1Y-1M-2Y-0M			1.7	1.3	41.1
230	FUL"S"-QTA"S" X KIF"S" CD-16791-E-9M-4Y-6M-1Y-2M-1Y-0Y			1.9	6.4	32.2
92	ACU"S" CD-16907-B-1M-1Y-3M-0Y			1.9	0.1	41.6
140	JDC69			1.9	15.5	11.6
94	FUL"S"-FQ"S"/OYCA"S" X RUFF"S"-FQ"S" CD-17305-A-5M-1Y-1M-0Y			2.0	5.9	34.2
55	JO"S"-CR"S" X D. CDLL. 01 CD-7473-24Y-1M-0Y			2.0	0.0	36.8
124	DUR05-IBIS"S" X REN"S"/BNIPE"S" CD-24842-A-3Y-3M-0Y			2.0	0.0	25.7
5	SCD"S" D-27625			2.1	0.6	50.1
232	OYCA"S"-MAON"S" X RUFF"S"-FQ"S" CD-16913-B-2M-2Y-3M-2Y-1M-1Y-0Y			2.2	9.5	7.3
116	SHMA"S"-BIT"S" CD-20626-5M-2Y-1M-0Y			2.4	3.8	36.5
227	CYUB"S"-SINCAPE 9 X YEL"S"/CFNS-FQ"S" X PTL"S" CD-19981-I-3Y-3M-2Y-3M-1Y-0Y			2.4	1.2	36.1
95	FUL"S"-FQ"S"/OYCA"S" X RUFF"S"-FQ"S" CD-17305-A-5M-1Y-2M-0Y			2.5	1.9	30.0

Table 9. Top performance entries: Leaf rust (cont.)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	LEAF	STRP	STEM
				RUST	RT. L	RUST
				NOBS: (16)	(12)	(9)
180	CANANEA 79			2.6	0.3	3.0
224	OTA"S"-MEXI"S" X CIT71/SMA"S" CD-22239-A-1M-2Y-5M-1Y-0Y			2.6	2.9	45.8
132	06OV2449-PLC"S" CH-373-3M-2Y-1M-0Y-0S			2.6	3.0	27.9
119	ORE"S"-CORH"S" X SMA"S" CD-22237-C-2M-6Y-2M-0Y			2.7	3.8	34.2
97	FUL"S"-FQ"S"/DYCA"S" X RUFF"S"-FQ"S" CD-17305-A-5M-4Y-3M-0Y			2.8	1.2	41.0
226	DURO73-IBIS"S" X DYCA"S" CD-17916-4Y-3M-1Y-2M-1Y-0Y			2.8	1.5	44.5
209	WAHA"S"-YAV"S" 1021B CD-23582-7Y-8M-1Y-0Y			2.8	12.0	16.0
120	ARONAS CD-27534-1M-1Y-1M-0YPHI			2.9	3.5	16.0
101	DURUH73-IBIS"S" X DYCA"S" CD-17916-11Y-3M-1Y-0M			2.9	2.1	49.5
51	CINC"S" CD-4465-E-4Y-5M-0Y-OME-1B			2.9	3.0	31.4
186	[BCA"S"(ZB-MOHM'RARI X B15-CR"S"/MEX I"S")JFRIO"S" CD-27276-A-2M-3Y-0Y			3.0	1.8	32.1
96	FUL"S"-FQ"S"/DYCA"S" X RUFF"S"-FQ"S" CD-17305-A-5M-4Y-1M-0Y			3.0	2.6	47.3
80	AMAL72 D-24102-10Y-3M-100Y-0M			3.0	12.5	44.4
104	VEL"S"/RABI"S"-CDCDBAS10 X CH67-JD"S" CD-18303-13Y-3M-1Y-0M			3.0	3.9	54.5
123	DURO5-IBIS"S" X REN"S"/BNIPE"S" CD-24842-A-3Y-2M-0Y			3.0	2.3	11.7

Table 10. Top performance entries: Stem rust

VTV NO	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	STEM RUST	STRP RT. L	LEAF RUST	NOBS:		
							(9)	(12)	(16)
180	CANANEA 79			3.0	0.3	2.6			
93	OYCA"S"-MAGH"S" X RUFF"S"-FQ"S" CD-16913-B-2M-2Y-3M-4Y-OM			3.9	1.5	5.0			
208	MAHA"S"-YAV"S" 10215 CD-23331-5Y-2M-2Y-0Y			4.0	8.6	9.8			
113	PEN"S" CD-19858-B-2Y-1M-0Y			4.8	0.0	15.5			
211	BIT"S"-YEL"S" 10254 CD-23780-2Y-2M-1Y-0Y			5.2	10.0	5.1			
115	BIT"S"-QEDIZ"S" CD-20095-5M-1Y-1M-0Y			5.3	7.8	3.6			
112	BOY"S"-SNIPE"S" X QEDIZ"S"-CORM"S" CD-19832-A-5Y-1M-0Y			5.4	11.9	1.5			
150	(HR X HUA-ABS. D77/T. DUR-T. SPH X QLL" ")MEXI"S" CD-4774-J-1Y-1M-0Y-1B			6.0	24.4	11.7			
67	MISRI"S"-MEXI"S" X SNIPE"S" CD-10662-F-1M-1Y-2M-1Y-0M			6.4	0.1	5.5			
72	LDS MUT-TEAL"S" CD-12427-4Y-2M-2Y-4M-1Y-0M			6.5	6.7	7.8			
50	BOYEROS"S" CD-4404-B-9Y-3M-0Y			6.6	2.6	8.3			
232	OYCA"S"-MAGH"S" X RUFF"S"-FQ"S" CD-16913-B-2M-2Y-3M-2Y-1M-1Y-0Y			7.3	9.5	2.2			
10	YAV"S" CM-9799-126M-1M-5Y-0Y			7.7	2.0	6.5			
181	NACH"S" CD-22289-A-4M-2Y-1M-0Y			7.8	0.1	3.8			
20	CIT71			8.0	7.9	7.2			
68	MISRI"S"-MEXI"S" X SNIPE"S" CD-10662-F-1M-1Y-2M-3Y-0M			8.1	0.0	4.9			
13	YAV"S" CM-9799-197M-3Y-1M-1Y-1B			8.4	2.1	1.5			
170	OVI65-CP X FQ"S"/RUFF"S"-FQ"S" CD-16696-E-1M-2Y-1M-0Y			8.4	4.0	6.7			
207	RABI"S"-FQ"S" X MAL"S" 10206 CD-23269-5Y-1M-1Y-0Y			8.4	4.4	4.7			
71	LDS MUT-TEAL"S" CD-12427-4Y-2M-2Y-2M-2Y-0M			8.4	9.4	7.4			
187	(USDA0580/CIT"S"-AA"S" X FQ"S")GOOSE S" CD-27381-H-3M-1Y-0Y			8.6	10.9	3.7			
122	SHMA"S" X MAGH"S"-BIT"S" CD-24832-A-1Y-1M-0Y			8.8	0.8	3.8			
147	(OR"S"-S. CP X BT464/CR"S")QTA"S" CM-19742-D-5Y-1M-2Y-2Y			9.0	4.7	14.2			
59	FULI"S" CD-8942-32M-1Y-5M-3Y-1M-0Y			9.3	2.4	4.1			
86	SWAN"S" CD-16707-E-1M-2Y-5M-0Y			10.1	8.6	4.7			
156	FULI"S" CD-8942-23M-1Y-1M-5Y-1M-0Y			11.5	7.0	3.1			
140	JDC69			11.6	15.5	1.9			

Table 10. Top performance entries: Stem rust (cont.)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	STEM RUST	STRP RT. L	LEAF RUST
			NOBB:	(9)	(12)	(16)
123	DUR05-IBIS"S" X REN"S"/BNIPE"S" CD-24842-A-3Y-2M-0Y			11.7	2.3	3.0
89	(PLC"S" X SALT I AUTHA-HITI/F0"S")MEX I"S" CD-16895-A-3M-2Y-2M-0Y			12.1	13.8	0.8
127	[(DURUM46 X BD1548-N262. B/0AD"S") FUL"S"J80Y"S" CD-25395-A-3Y-1M-0Y			12.3	8.4	13.3
133	RUFF"S"-F0"S" CM-9880-25M-1Y-1M-1Y			12.7	0.9	4.6
28	OEIER"S"-F0"S" CM-17246-5L-1L-0L			13.1	6.1	5.1
129	ALGERIAN 86			14.3	3.6	3.2
146	GS"S" X 815-CR"S" CM-18694-22Y-1Y-0Y-OKE-1B			14.9	0.6	14.7

Table 11. Top performance entries: Powdery mildew

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	POWD %
			NOBS	(5)
180	CANANEA 79			5.5
48	MEXI"S"-MAQH"S" CD-3879-29M-1M-0Y-1B			6.6
71	LDS MUT-TEAL"S" CD-12427-4Y-2M-2Y-2M-2Y-0M			11.0
89	(PLC"S" X SALT I AUTMA-HITI/F0"S")MEX I"S" CD-16895-A-3M-2Y-2M-0Y			11.0
132	QDOVZ469-PLC"S" CN-373-3M-2Y-1M-0Y-0B			11.0
224	QTA"S"-MEXI"S" X CIT71/BNMA"S" CD-22239-A-1M-2Y-5M-1Y-0Y			13.0
38	QU"S"-MEXI"S" CD-257-19-2S-1B-0B			13.0
85	WIN"S"-USA. 02237 X QAD"S" CD-16559-C-7M-2Y-2M-1Y-0M			13.0
78	F0"S"-AA"S" X MAL"S"-MARID"S" CD-14472-D-4Y-5M-2Y-1M-0Y			13.2
175	QUIL"S"-MEXI"S" X USA. 0575 CD-19576-G-1Y-1M-0Y			13.7
65	MEMO"S" CD-10521-I-21M-1Y-1M-1Y-1M-0Y			13.7
15	GOOSE"S" CN-10143-19M-2Y-1M-1Y-0Y-1PTZ-0AP			14.0
210	F0"S"-DOM"S" X BIT"S" 10219 CD-23598-2Y-1M-1Y-0Y			15.2
47	MEXI"S"-QTA"S" CD-1896-1Y-3Y-0KE			15.4
220	MAQHREBI 72			15.4
54	(RABI"S"/QLL"S" X LDS-RL3601)F0"S" CD-7455-4Y-1M-0Y			15.4
100	OVI65			15.4
177	GFN-MEXI75 CD-20078-1M-2Y-2M-0Y			15.6
14	GOOSE"S" CN-10143-19M-2Y-1M-1Y-0Y-1PTZ-1B			15.6
227	CVUS"S"-BINCAPE 9 X YEL"S"/CFN5-F0"S X PTL"S" CD-19981-I-3Y-3M-2Y-3M-1Y-0Y			16.8
178	BIT"S" X QTA"S"-80179 CD-20124-4M-2Y-1M-0Y			16.8
9	YAV"S" CN-9799-126M-1M-4Y-0Y			16.8
229	QEDIZ-F0"S" X QTA"S" CD-16706-C-7M-1Y-1M-1Y-1M-1Y-0Y			17.4
90	(PLC"S" X SALT I AUTMA-HITI/F0"S")MEX I"S" CD-16895-A-3M-2Y-3M-0Y			17.4
186	[SCA"S"(IB-MQHM'RARI X S15-CR"S"/MEX I"S")JFRIO"S" CD-27276-A-2M-3Y-0Y			17.4
223	TERN"S"-ESSAIP X MEXI75 CD-22198-C-2M-3Y-1M-2Y-0Y			17.6

Table 11. Top performance entries: Powdery mildew (cont.)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	POWD %
			NOBS: (5)	
43	ROK ⁴ S ¹ CD-1895-12Y-1Y-8B-OY			17.6
97	FUL ¹ S ¹ -FQ ¹ S ¹ /DYCA ¹ S ¹ X RUFF ¹ S ¹ -FQ ¹ S ¹ CD-17305-A-5M-4Y-3M-OY			17.6
31	FRIGATE ¹ S ¹ CH-17904-B-3M-1Y			17.8
12	YAV ¹ S ¹ CH-9799-126M-1M-4Y-OY-OM			17.8
233	KIF ¹ S ¹ X BD17-KYP. YRELLDURIC(D67. 3- STA ¹ S ¹ /6710-6780 X PTL ¹ S ¹) CD-17381-A-2M-1Y-1M-1Y-1M-1Y-OY			19.0
134	ODOBE ¹ S ¹ CH-10143-19M-2Y-1M-1Y-OY			19.5
179	BIT ¹ S ¹ X QTA ¹ S ¹ -80179 CD-20124-4M-2Y-4M-OY			19.5
8	YAV ¹ S ¹ CH-9799-126M-1M-3Y			19.5
76	USA0640-FQ ¹ S ¹ X FQ ¹ S ¹ -RUFF ¹ S ¹ CD-14119-E-7Y-1M-2Y-2M-1Y-OM			19.5
94	FUL ¹ S ¹ -FQ ¹ S ¹ /DYCA ¹ S ¹ X RUFF ¹ S ¹ -FQ ¹ S ¹ CD-17305-A-5M-1Y-1M-OY			19.6
216	ROK ¹ S ¹ X QTA ¹ S ¹ -DURUM69 10275 ¹ CD-24140-6Y-1M-1Y-OY			19.6
101	DURUM73-IBIS ¹ S ¹ X DYCA ¹ S ¹ CD-17916-11Y-3M-1Y-OM			19.8
93	DYCA ¹ S ¹ -MAQH ¹ S ¹ X RUFF ¹ S ¹ -FQ ¹ S ¹ CD-16913-B-2M-2Y-3M-4Y-OM			19.8
228	TEAL ¹ S ¹ -WIN ¹ S ¹ X QAD ¹ S ¹ CD-16467-A-5M-5Y-3M-1Y-1M-1Y-OY			19.8
96	FUL ¹ S ¹ -FQ ¹ S ¹ /DYCA ¹ S ¹ X RUFF ¹ S ¹ -FQ ¹ S ¹ CD-17305-A-5M-4Y-1M-OY			19.8
80	AMAL72 D-24102-10Y-3M-100Y-OM			19.8
232	DYCA ¹ S ¹ -MAQH ¹ S ¹ X RUFF ¹ S ¹ -FQ ¹ S ¹ CD-16913-B-2M-2Y-3M-2Y-1M-1Y-OY			19.8
11	YAV ¹ S ¹ CH-9799-126M-1M-3Y-OY-1B			20.0
142	SCA ¹ S ¹ CH-18537-1Y-OY-1B			20.0
10	YAV ¹ S ¹ CH-9799-126M-1M-5Y-OY			20.0
61	FQ ¹ S ¹ -RUFF ¹ S ¹ CD-9210-95K-05K			20.0
83	TEAL ¹ S ¹ -WIN ¹ S ¹ X QAD ¹ S ¹ CD-16467-A-11M-4Y-1M-1Y-1M-OY			20.0
82	TEAL ¹ S ¹ -WIN ¹ S ¹ X QAD ¹ S ¹ CD-16467-A-9M-2Y-2M-1Y-1M-OY			20.0

Table 12. Top performance entries: Septoria tritici

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	SEPT TRIT
			NOBS: (6)	
5	SCO"S" D-27625			35.0
15	GOOSE"S" CM-10143-19M-2Y-1M-1Y-0Y-1PTZ- OAP			35.2
1	BD1814 X BD1708-BD1543 D-70-55-08M			37.2
8	YAV"S" CM-9799-126M-1M-3Y			42.3
14	GOOSE"S" CM-10143-19M-2Y-1M-1Y-0Y-1PTZ-1B			42.5
11	YAV"S" CM-9799-126M-1M-3Y-0Y-1B			44.2
21	CIT"S"-QS"B"/PQ"B" X LDS-56.1 CM-14542-B-1Y-1M-3Y-OAP			44.2
213	QTA"S"-MEXI"S" X RUFF"B"-FQ"B" 10271 CD-24080-2Y-2M-1Y-0Y			44.3
214	QTA"S"-MEXI"S" X RUFF"B"-FQ"B" 10272 CD-24080-2Y-2M-2Y-0Y			44.3
4	FQ"B" D-27582-8M-13Y-2M-0Y			44.3
13	YAV"S" CM-9799-197M-3Y-1M-1Y-1B			44.5
3	RUFF"S" D-27572-20M-3Y-3M-1Y-0M			46.2
9	YAV"S" CM-9799-126M-1M-4Y-0Y			46.2
7	COOT"S" CM-225-10M-1Y-0M-0Y			46.2
2	GFN-AA"S" D-27530-2M-3Y-2M-1B			46.3
130	QEDIZ"S" D-27534-1M-1Y-1M-0Y			46.4
187	(USDA0580/CIT"S"-AA"B" X FQ"S")GOOSE S" CD-27381-H-3M-1Y-0Y			46.4
6	QTA"S" D-31725-3M-8Y-0M			48.0
162	DACK"S"-KIWI"S" CD-12499-8Y-1M-4Y-1M-0Y			48.6
31	FRIGATE"S" CM-17904-B-3M-1Y			48.6
215	QTA"S"-MEXI"S" X RUFF"B"-FQ"B" 10274 CD-24080-8Y-1M-1Y-0Y			48.6
66	EIDER"S" CD-10535-D-1M-1Y-1M-2Y-0M			48.8
227	CYUS"S"-BINGAPE 9 X YEL"S"/CFN5-FQ"S X PTL"S" CD-19981-1-3Y-3M-2Y-3M-1Y-0Y			49.5
12	YAV"S" CM-9799-126M-1M-4Y-0Y-0M			49.8
10	YAV"S" CM-9799-126M-1M-5Y-0Y			49.8

