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RESULTS OF THE NINTH INTERNATIONAL TRITICALE SCREENING NURSERY (ITSN) 1977–78

CIMMYT

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GLOSSARY OF VARIABLE NAMES USED IN THE TABLES.
GLOSARIO DE NOMBRES 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 (echelle 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)	Rayee bacterienne (echelle 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 (echelle 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 metre^2
FALL NO	Falling number (seconds)	Actividad alfa amilasa (segundos)	Activité de 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 WILT	Fusarium wilt percentage	Porcentaje de marchitez 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 (echelle 0–9)
KERN APP	Kernel appearance	Apariencia del grano	Apparence du grain
LEAF FIRE	Leaf fire (0–9 scale)	Tizón foliar (escala 0–9)	Jaunissement des feuilles (echelle 0–9)
LEAF RUST	Leaf rust (Cobb scale)	Roya de la hoja (escala de Cobb)	Rouille brune (echelle de Cobb)
LODG %	Lodging percentage	Porcentaje de acame	Verse 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 a 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 (echelle 0–9)
PLNT DENS	Plant density (stems/square meter)	Densidad de plantas (tallos/metro cuadrado)	Population des plantes (talles/metre^2)
PLNT HT	Height (cm)	Altura (cm)	Hauteur (cm)
PLNT WT	Plant weight (grams)	Peso de la planta (gramos)	Poids de la planté (grames)
POWD %	Powdery mildew percentage	Porcentaje de mildiú polvoriento	Oidium en pourcentage
PROT %	Protein percentage	Porcentaje de proteína	Protein en pourcentage
ROOT ROT	Root rot percentage	Porcentaje de pudrición de maíz	Piétin verse en pourcentage
SCAB %	Scab percentage	Porcentaje de roña	Fusarium de l'epi en pourcentage
SCLD %	Scald percentage	Porcentaje de escaldadura	Rhyncosporium en pourcentage
SDMT INDX	Sedimentation index (cc)	Indice 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 (echelle 0–9)
SEPT SPP.	Septoria spp. (0–9 scale)	Septoria spp. (escala 0–9)	Septoria spp. (echelle 0–9)
SEPT TRIT	Septoria tritici (0–9 scale)	Septoria tritici (escala 0–9)	Septoria tritici (echelle 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 feuilles (echelle 0–9)
STEM RUST	Stem rust (Cobb scale)	Roya del tallo (escala de Cobb)	Rouille noire (echelle de Cobb)
STRP RT.H	Stripe rust (head) percentage	Porcentaje de roya lineal (espiga)	Rouille jaune sur l'epi en pourcentage
STRP RT.L	Stripe rust (leaf) (Cobb scale)	Roya lineal (hoja)(escala de Cobb)	Rouille jaune sur feuilles (echelle de Cobb)
TEST WT	Test weight (kg/hl)	Peso hectolítrico (kg/hl)	Poids specifique (kg/hl)
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 NINTH INTERNATIONAL TRITICALE SCREENING NURSERY (ITSN)

1977 -- 1978

INTRODUCTION

The CIMMYT Triticale Program makes more than 8,000 crosses annually in order to broaden the germ plasm and to obtain triticales with wider adaptation, higher yields and better disease resistance. The F_2 materials from the best of these crosses are distributed annually to more than 150 locations world wide. These F_2 populations and their succeeding generations are also planted and selected alternatively in Toluca and Cd. Obregon, Mexico.

Each year about 1,000 advanced lines are bulked from the F_5–F_8 generations. These are yield tested at Cd. Obregón and screened for disease reaction at various locations in Mexico. The best of these advanced lines are included in the International Triticale Screening Nursery which is sent to more than 125 cooperators around the world. Thus, cooperators in many different locations are able to obtain the best new triticale material for use in their breeding program as direct release or as parents in their crossing program.

CIMMYT asks the cooperators to return yield, agronomic and pathological data from their trials so information about the adaptation and resistance of the lines can be obtained. This bulletin summarizes the data of the 9th International Triticale Screening Nursery for the use of cooperators in various countries.

MATERIALS AND METHODS

The entries for the 9th ITSN were obtained from uniform populations of the F_5–F_8 generation material. These bulk selections were made in Cd. Obregon, Sonora, and in Toluca, Mexico. The bulks were evaluated for their yield potential in Cd. Obregon under the most possible uniform conditions in a replicated yield trial. Lines that performed better than the standard checks were selected for inclusion in the ITSN. The candidates were also grown in a small multiplication plot and seed from these plots was used to assemble the nursery. Under the arid conditions of Cd. Obregon, there is little chance of transferring seed borne diseases, but the seed was treated with Vitavax before distribution of the nursery. Even though 125 sets of the 9th ITSN were sent out in 1977, the results summarized in this report are based only on data returned to CIMMYT from 53 cooperators, as indicated in table 1. The geographical response is shown in figure 1. The variable means indicated in table 1 are as follows:

1. Yield (kg/ha)
2. Test Weight (kg/hl)
3. Days to Flowering
4. Days to Maturity
5. Stripe Rust
7. Leaf Rust
8. Stem Rust
9. Plant Height
10. Lodging
11. Shattering
13. 1,000 Kernel Weight
15. *Septoria tritici*
16. *Septoria nodorum*
17. *Septoria* spp.
41. *Helminthosporium* sp.
42. Per cent Germination

Cooperators were requested to utilize the methods for recording agronomic and disease data which are published in CIMMYT Information Bulletin No. 38.

RESULTS AND DISCUSSION

A mean overall summary for all variables recorded for each entry in the 9th ITSN is presented in table 2. The highest ten per cent of lines with respect to yield are presented in table 3 and the lines most frequent among the 25 highest yielding lines are listed in table 4. These tables indicate that there is ample broad adaptation among the triticales. Table 5 lists the best 10 per cent in regard to test weight. As can be seen the best triticales such as entry numbers 241 and 318 have an average test weight approaching that of the bread and durum wheat check varieties. Table 6 presents the lines with the best resistance to all three rusts. The cut off points were an average CI (Coefficient of Infection) of less than 2.5, 5.0, and 2.5 for stripe rust, leaf rust and stem rust respectively. Tables 7 and 8 list the entries that flowered in less than 89 days and matured in less than 136 days, respectively.

DATA PROCESSING IN ANALYSIS OF VARIANCE

The tables and analyses in this report have been produced by a new set of computer programs called NAP, which were developed by the Information Sciences/Genetic Resources (IS/GR) Program, University of Colorado, Boulder, Colorado, U.S.A. and which take the place of the old RAPID programs.

FIGURE 1. 9th. ITSN LOCATIONS WHICH RETURNED DATA.

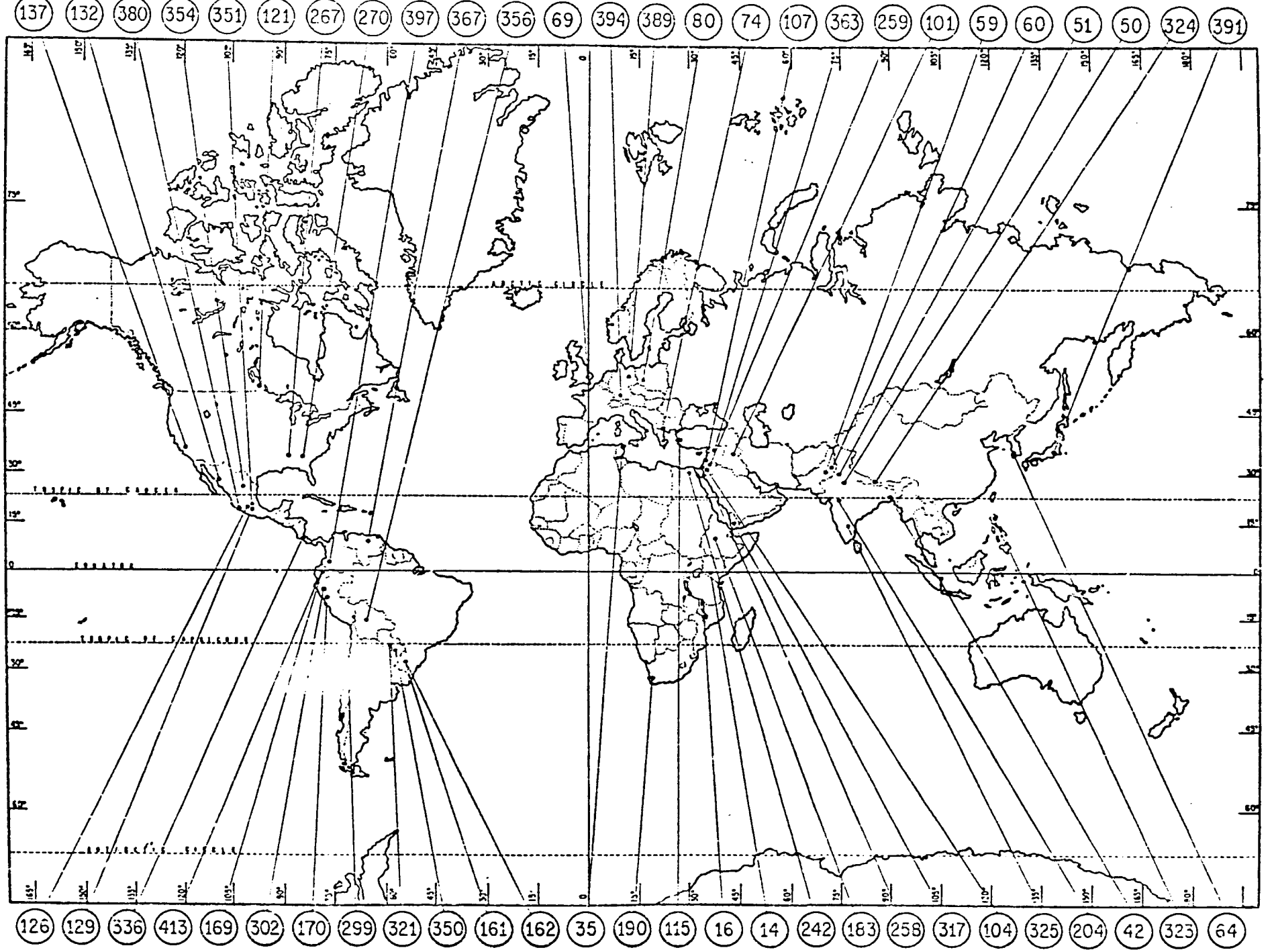

TABLE 1. VARIABLES RECORDED AT ALL SITES AND INCLUDED IN SUMMARY TABLE.

LOCATION	CONTINENT	COUNTRY	AREA	VARIABLES INCLUDED
14	AFRICA	KENYA	RIFT VALLEY	3 5 8
16	AFRICA	MALAWI	SOUTHERN PROV.	1 9 15
35	AFRICA	TUNISIA	TUNIS	1 3 9
42	ASIA	BANGLADESH	DACCA	1 3 4 7 9
50	ASIA	INDIA	DELHI	1 3 4 7 9
51	ASIA	INDIA	PUNJAB	1 3 7 9
59	ASIA	PAKISTAN	N.W.FRONTIER PROV	3 4 7
60	ASIA	PAKISTAN	PUNJAB	1 3 9
64	ASIA	SOUTH KOREA	CHUNNAM	1 3 4 9
69	EUROPE	ENGLAND	CAMBRIDGE	3 5 9 17
74	EUROPE	GREECE	THESSALONIKI	1 3 7 8 9
80	EUROPE	POLAND	DANKOW	1 2 3 4 7 9 10 13 42
101	MIDDLE EAST	IRAQ	BAGHDAD	1 3 4 9
104	MIDDLE EAST	JORDAN	JORDAN VALLEY	1 3 4 7 9 11
107	MIDDLE EAST	LEBANON	BEKA'A VALLEY	3 4 9
115	MIDDLE EAST	TURKEY	IZMIR	1 3 9
121	NORTH AMERICA	CANADA	MANITOBA	1 2 3 7 9
126	NORTH AMERICA	MEXICO	GUANAJUATO	3 4 9
129	NORTH AMERICA	MEXICO	EDO DE MEXICO	1 2 3 4
132	NORTH AMERICA	MEXICO	SONORA	1 2 3 7 9
137	NORTH AMERICA	U.S.A.	CALIFORNIA	1 3 4 9 10 11
161	SOUTH AMERICA	BRAZIL	RIO GRANDE DO SUL	1 7
162	SOUTH AMERICA	BRAZIL	RIO GRANDE DO SUL	1 3 9 16
169	SOUTH AMERICA	ECUADOR	QUITO.PICHINCHA	5
170	SOUTH AMERICA	PERU	ANCASH	1 3 4 7 9
183	AFRICA	ETHIOPIA	SHOA	1 5 7 8 9 15
190	AFRICA	SOUTH AFRICA	CAPE PROVINCE	1 3 9

TABLE 1. (CONTINUED)

204	ASIA	INDIA	MADHYA PRADESH	1 9
258	MIDDLE EAST	ISRAEL	BET DAGAN	1 3 8 9
259	MIDDLE EAST	JORDAN	AMMAN	1 3 9
267	NORTH AMERICA	U.S.A.	ALABAMA	9
270	NORTH AMERICA	U.S.A.	GEORGIA	1 3 9
299	SOUTH AMERICA	CHILE	SANTIAGO	1 3 9 10
302	SOUTH AMERICA	PERU	CAJAMARCA	1 3 9
317	MIDDLE EAST	YEMEN	TAIZ	3 4 7 8 9
321	SOUTH AMERICA	PARAGUAY	ITAPUA	7 8 9 15 16 41
323	ASIA	PHILIPPINES	LUZON	1 3 4 9
324	ASIA	NEPAL	JANAKPUR ANCHA	1 3 9
325	ASIA	INDIA	KARNATAKA	1 4 7 9
336	CENTRAL AMERICA	COSTA RICA	ALAJUELA	1 3 4 9
342	AFRICA	EGYPT	DOMIAT	1 3 4 7 9 10 11
350	SOUTH AMERICA	PARAGUAY	CACUPE	7 9
351	NORTH AMERICA	MEXICO	TLAXCALA	1 2 3
354	NORTH AMERICA	MEXICO	NUEVO LEON	1 3 4 9
356	SOUTH AMERICA	BOLIVIA	SANTA CRUZ	1 3
363	MIDDLE EAST	SYRIA	ALEPPO	1 3 4 9
367	SOUTH AMERICA	VENEZUELA	ARAGUA	1 3 4 9
380	NORTH AMERICA	MEXICO	COLIMA	1 9
389	EUROPE	EAST GERMANY	SCHWERIN	1 9
391	ASIA	JAPAN	KANAGAWA	3 9
394	EUROPE	W.GERMANY	BADEN-WUTTEMBERG	1 2 7 9 10
397	SOUTH AMERICA	COLOMBIA	NARINO	1 3 9
413	SOUTH AMERICA	ECUADOR	AZUAY	3 7

TABLE 2. SUMMARY OF ALL VARIABLE MEANS IN ORDER OF ENTRY NUMBER.

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=	(41)	(6)	(41)	(20)	(4)	(19)	(6)
1	YOREMETC75		MEXICO	3554.3	60.7	93.4	138.1	0.3	15.5	10.8
2	NAVOJOA		MEXICO	3413.7	64.1	91.5	137.8	0.3	19.5	6.2
3	NAVOJOA"S"		MEXICO	3157.7	63.4	92.9	139.9	0.3	16.3	8.1
4	YOCO (RESEL)		MEXICO	3435.3	62.5	91.7	139.0	0.3	19.4	0.8
5	RAHUM		MEXICO	3632.0	62.4	92.0	139.4	0.5	8.8	1.7
6	RAHUM"S"		MEXICO	3691.4	59.7	92.1	139.6	0.7	8.3	0.1
7	MAPACHE		MEXICO	3150.3	60.1	90.5	137.9	0.3	11.5	0.2
8	MAPACHE"S"		MEXICO	3535.8	60.4	90.9	136.7	0.3	10.2	0.0
9	ARABIAN		MEXICO	3107.8	62.4	93.5	138.3	0.0	21.1	0.1
10	BEAGLE		MEXICO	4478.7	61.1	96.5	141.9	2.7	8.9	10.0
11	DRIRA		MEXICO	3589.5	58.2	97.2	143.8	0.3	19.0	1.7
12	MAYA-ARM106		MEXICO	3155.7	65.7	91.3	137.5	0.3	17.7	2.4
13	MAYA-ARM107		MEXICO	3442.1	65.0	90.7	138.5	0.3	11.4	1.4
14	MAYA-ARM108		MEXICO	3503.5	64.9	90.9	137.2	0.3	15.3	3.3
15	M1A X2148-3N-1M-1Y-2M-0Y-0Y-2M-0Y-100Y-0Y		MEXICO	3534.8	57.9	93.6	138.5	0.3	18.4	2.3
16	M1A X2148-4N-2M-2Y-1M-0Y		MEXICO	3722.4	64.2	87.1	133.8	0.3	13.5	1.7
17	M1A X2148-5N-2M-3Y-2M-0Y		MEXICO	3897.2	64.4	90.2	136.5	0.3	10.2	1.0
18	M1A-PI62 X17066-1Y-1M-0Y		MEXICO	3727.6	65.4	92.1	139.4	0.3	4.3	0.0
19	M2A X2802-1N-2M-5N-2M-1Y-0M-0Y-0BK-3Y-0Y		MEXICO	3716.0	65.2	92.1	138.3	0.3	25.9	6.8
20	M2A X2802-38N-3M-3N-0M		MEXICO	3916.1	66.4	89.3	136.6	0.3	16.4	6.2

TABLE 2. (CONTINUED)

VTY	PLNT HT	LODG %	SHTR %	1000 G.W.	SEPT TRIT	SEPT NODO	SEPT SPP.	HELM	GERM %
	(45)	(5)	(3)	(1)	(3)	(2)	(1)	(1)	(1)
1	82.7	18.6	16.7	45.0	15.3	39.0	25.0	56.0	75.0
2	83.5	23.0	13.3	47.0	30.3	33.0	38.0	0.0	63.0
3	83.8	18.6	10.0	50.0	41.7	38.5	25.0	56.0	75.0
4	87.6	16.0	9.0	46.0	38.3	33.0	25.0	56.0	50.0
5	93.1	42.6	6.7	43.0	35.3	33.0	25.0	44.0	63.0
6	92.8	49.0	6.7	43.0	27.3	38.5	25.0	56.0	50.0
7	89.1	36.6	6.7	41.0	38.7	27.5	38.0	67.0	75.0
8	91.6	30.6	3.3	44.0	50.0	44.5	38.0	56.0	75.0
9	85.1	30.6	10.0	44.0	27.0	44.0	25.0	44.0	75.0
10	105.6	36.6	8.3	53.0	19.0	16.5	13.0	67.0	63.0
11	102.0	57.6	5.0	59.0	23.0	11.0	25.0	67.0	13.0
12	86.0	39.0	5.0	42.0	41.7	33.0	50.0	0.0	75.0
13	88.8	44.6	5.0	42.0	23.7	44.5	38.0	56.0	75.0
14	88.0	22.0	6.7	44.0	19.0	39.0	38.0	56.0	75.0
15	91.2	18.6	6.7	43.0	15.3	38.5	63.0	56.0	50.0
16	88.0	21.0	6.7	40.0	34.3	33.0	38.0	44.0	88.0
17	85.8	17.4	8.3	40.0	35.0	44.0	38.0	44.0	75.0
18	83.9	12.0	10.0	48.0	33.3	27.5	38.0	22.0	38.0
19	87.8	11.0	10.0	46.0	19.0	44.0	38.0	33.0	50.0
20	89.2	14.0	8.3	42.0	27.3	27.5	38.0	56.0	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
			NOBS:	(41)	(6)	(41)	(20)	(4)	(19)	(6)
21	M2A X2802-38N-3M-5N-3M-0Y-2M-0Y		MEXICO	3409.4	61.0	92.4	138.3	0.3	14.3	2.3
22	M2A X2802-38N-3M-5N-3M-0Y-3M-1Y-0Y		MEXICO	3807.6	62.6	94.6	139.8	0.3	18.6	8.4
23	M2A X2802-38N-3M-5N-3M-0Y-2M-100Y-0Y		MEXICO	3504.3	63.5	91.0	137.2	0.3	17.5	1.8
24	M2A X2802-38N-5M-6N-6M-2Y-2M-0Y-1Y-0Y		MEXICO	3635.4	64.4	92.1	138.6	0.3	19.2	6.0
25	M2A X2802-38N-5M-6N-2M-2Y-0M-1Y-0Y		MEXICO	3267.0	63.9	91.2	137.2	0.3	19.5	8.7
26	M2A X2832-24N-6M-6N-0M-0Y		MEXICO	3645.0	62.0	92.5	141.7	1.4	11.3	0.1
27	M2A X2832-24N-6M-6N-0M-100Y-0Y		MEXICO	3818.5	63.1	93.9	142.3	1.0	10.4	0.1
28	M2A X2832-29N-4M-6N-2M-0Y-1Y-0Y		MEXICO	3967.8	61.9	92.5	141.4	0.9	11.9	1.7
29	M2A-IRA X9229-D-3Y-2M-1Y-0Y		MEXICO	2890.9	65.6	87.2	135.0	0.3	15.2	2.3
30	M2A-IRA X8411-B-3Y-2M-1Y-0Y		MEXICO	3433.9	63.6	90.5	135.5	0.3	25.2	10.0
31	M2A-IRA X9411-B-3Y-3M-2Y-0Y		MEXICO	2983.8	61.7	89.9	135.7	0.3	24.8	8.3
32	M2A-IRA X8411-B-3Y-5M-1Y-0Y		MEXICO	3417.8	62.5	91.0	137.9	1.0	11.5	1.7
33	M2A-IRA X8411-B-3Y-8M-1Y-0Y		MEXICO	3211.4	62.4	89.7	136.0	0.3	24.0	6.7
34	M2A-IRA X8417-E-1Y-7M-2Y-0Y		MEXICO	3181.1	63.0	87.8	135.9	0.3	15.0	3.3
35	M2A-IRA X9417-E-1Y-7M-3Y-0Y		MEXICO	3355.1	60.1	87.3	136.1	0.3	11.4	2.5
36	M2A-IRA X10906-16M-1Y-1Y-1M-0Y		MEXICO	3117.4	67.0	90.1	137.1	0.3	4.8	0.1
37	M2A-IRA X11625-D-1M-1Y-1Y-0Y		MEXICO	3406.8	64.2	90.0	136.2	0.3	8.6	0.7

TABLE 2. (CONTINUED)

VTY	PLNT HT	LODG %	SHTR %	1000 G.W.	SEPT TRIT	SEPT NODO	SEPT SPP.	HELM	GERM %
	(45)	(5)	(3)	(1)	(3)	(2)	(1)	(1)	(1)
21	84.7	19.0	13.3	45.0	35.0	33.0	38.0	44.0	75.0
22	87.5	24.6	11.7	54.0	23.0	44.5	25.0	0.0	63.0
23	85.0	26.0	11.7	42.0	34.0	44.5	25.0	56.0	63.0
24	83.8	22.6	10.0	45.0	23.0	33.0	25.0	33.0	50.0
25	84.1	26.6	13.3	49.0	30.3	33.0	25.0	0.0	63.0
26	93.6	30.6	5.0	44.0	34.7	22.0	38.0	44.0	63.0
27	94.5	30.6	6.7	41.0	26.7	22.0	25.0	33.0	63.0
28	91.5	31.6	5.0	44.0	31.0	16.5	25.0	67.0	75.0
29	82.0	21.0	6.7	41.0	53.7	33.0	25.0	0.0	75.0
30	79.5	8.6	10.0	44.0	46.3	33.0	25.0	56.0	88.0
31	77.0	13.6	10.0	46.0	53.7	44.5	38.0	0.0	88.0
32	78.3	11.0	13.3	45.0	39.0	33.0	38.0	56.0	88.0
33	79.4	19.6	6.7	43.0	46.3	27.5	25.0	0.0	88.0
34	86.3	21.6	8.3	42.0	27.3	39.0	25.0	44.0	88.0
35	84.8	37.6	5.0	43.0	42.0	38.5	25.0	0.0	88.0
36	82.0	36.6	10.0	43.0	31.3	22.0	25.0	33.0	88.0
37	82.6	38.6	16.7	47.0	50.0	38.5	13.0	0.0	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
			NOBS:	(41)	(6)	(41)	(20)	(4)	(19)	(6)
38	M2A-IRA X11923-30M-1Y-0Y		MEXICO	2553.5	64.6	89.5	135.6	0.3	5.3	0.1
39	M2A-IRA X11923-30M-4Y-3Y-1M-0Y		MEXICO	2707.1	63.7	89.3	136.1	0.5	4.0	0.1
40	M2A-IRA X11923-37M-1Y-3Y-1M-0Y		MEXICO	3035.9	62.0	88.6	135.5	0.3	12.4	0.1
41	M2A-IRA X11923-58M-1Y-1Y-1M-0Y		MEXICO	3134.5	62.6	91.5	137.8	0.3	7.8	0.0
42	M2A-IRA X12509-2Y-4Y-3M-0Y		MEXICO	3208.2	63.3	89.6	136.5	0.3	19.4	0.1
43	M2A-IRA X12509-12Y-1Y-1M-0Y		MEXICO	3498.7	63.0	88.8	137.0	0.3	19.1	0.1
44	M2A-IRA X12509-12Y-1Y-3M-0Y		MEXICO	3426.4	63.0	89.4	137.7	0.3	16.5	0.1
45	M2A-IRA X12561-A-1Y-1Y-1M-0Y		MEXICO	3558.4	60.6	91.0	138.1	1.3	10.6	0.0
46	M2A-IRA X12580-43Y-1Y-2M-0Y		MEXICO	3206.9	59.8	95.1	138.0	0.3	16.2	0.0
47	M2A-IRA X12581-18Y-1Y-6M-0Y		MEXICO	4336.2	62.8	93.7	139.5	0.3	20.4	0.2
48	M2A-IRA X12592-C-1Y-1Y-2M-0Y		MEXICO	3179.7	66.8	91.3	137.4	1.0	12.9	0.1
49	M2A-IRA X12593-B-1Y-3Y-5M-0Y		MEXICO	3400.3	58.8	92.7	137.3	1.3	7.3	0.0
50	NACOZARI		MEXICO	3967.9	73.4	92.3	135.2	20.0	25.2	38.4
51	M2A-IRA X12629-40Y-1Y-1M-0Y		MEXICO	3328.8	62.9	92.2	138.3	0.5	5.6	0.0
52	M2A-IRA X12634-D-1Y-2Y-2M-0Y		MEXICO	3385.8	62.9	92.1	138.0	5.7	14.7	5.7
53	M2A-IRA X12648-10Y-1Y-0Y		MEXICO	3811.0	62.7	91.2	137.5	0.3	22.6	10.8
54	M2A-IA X12652-30Y-3Y-0Y		MEXICO	3385.0	61.1	92.4	137.6	0.3	24.1	1.7

TABLE 2. (CONTINUED)

VTY	PLNT HT	LODG %	SHTR %	1000 G.W.	SEPT TRIT	SEPT NODO	SEPT SPP.	HELM	GERM %
	(45)	(5)	(3)	(1)	(3)	(2)	(1)	(1)	(1)
38	81.0	21.6	18.3	45.0	50.0	33.0	38.0	0.0	63.0
39	81.3	33.6	15.0	44.0	54.0	38.5	38.0	44.0	63.0
40	83.3	32.6	13.3	43.0	46.0	38.5	38.0	0.0	50.0
41	88.4	29.6	13.3	52.0	38.3	33.0	38.0	0.0	63.0
42	81.4	29.6	13.3	47.0	42.3	27.5	50.0	0.0	38.0
43	82.8	16.0	15.0	44.0	42.0	33.0	50.0	33.0	50.0
44	83.8	18.6	13.3	45.0	34.7	16.5	50.0	0.0	63.0
45	82.6	18.6	15.0	49.0	19.3	38.5	50.0	56.0	50.0
46	82.1	18.6	18.3	50.0	26.7	39.0	25.0	44.0	50.0
47	92.0	34.0	2[illegible].0	54.0	38.0	33.0	25.0	0.0	39.0
48	79.4	18.6	17.5	46.0	35.0	22.0	25.0	56.0	63.0
49	84.9	38.6	17.3	43.0	34.0	38.5	25.0	44.0	38.0
50	79.5	14.6	11.7	47.0	37.7	33.0	13.0	56.0	38.0
51	81.2	26.0	10.0	43.0	57.3	38.5	13.0	56.0	63.0
52	84.6	18.0	16.7	50.0	53.7	44.0	25.0	0.0	50.0
53	86.0	26.0	25.0	47.0	46.0	38.5	38.0	44.0	50.0
54	84.8	17.0	21.7	49.0	34.7	44.5	25.0	56.0	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
			NOBS:	(41)	(6)	(41)	(20)	(4)	(19)	(6)
55	M2A-IA X12665-1Y-1Y-0Y		MEXICO	3457.6	63.4	89.2	137.3	0.3	22.3	13.3
56	M2A-IA X12675-A-1Y-1Y-2M-0Y		MEXICO	3029.9	63.1	96.3	139.6	0.3	5.8	34.3
57	M2A-IA X12677-39Y-1Y-4M-0Y		MEXICO	2927.6	58.0	92.2	137.5	0.3	8.7	1.7
58	M2A-IA X12677-44Y-1Y-5M-0Y		MEXICO	2931.0	59.2	92.1	136.8	0.3	6.1	0.3
59	M2A-IA X12677-44Y-2Y-2M-0Y		MEXICO	3491.4	63.0	93.3	136.7	0.5	8.4	0.3
60	M2A-IA X12677-56Y-1Y-3M-0Y		MEXICO	3690.1	65.5	92.9	137.0	0.3	19.4	0.3
61	M2A-IA X12677-56Y-3Y-0Y		MEXICO	3767.6	61.8	91.5	137.7	0.3	20.2	1.7
62	M2A-CML X8399-C-1Y-3M-2Y-0Y		MEXICO	2695.9	61.0	90.4	136.3	0.3	18.0	1.7
63	M2A-CIN X10988-5M-100Y-103B-102Y-0Y		MEXICO	3033.2	55.8	92.9	138.3	4.4	4.8	0.0
64	M2A-CIN X10996-C-3M-2Y-1Y-3M-0Y		MEXICO	3734.4	63.7	94.7	138.6	1.3	21.8	1.7
65	M2A-CIN X12538-13Y-1Y-1M-0Y		MEXICO	3568.1	62.7	93.8	138.6	0.3	26.2	3.0
66	M2A-CIN X12545-8Y-1Y-5M-0Y		MEXICO	3047.4	58.0	92.7	138.8	0.3	10.3	25.5
67	M2A-CIN X12545-8Y-9Y-1M-0Y		MEXICO	3599.3	58.2	92.9	138.6	0.3	10.2	36.3
68	M2A-CIN X12545-9Y-1Y-2M-0Y		MEXICO	3694.3	60.4	93.6	138.8	0.3	17.2	1.3
69	M2A-CIN X12545-9Y-1Y-5M-0Y		MEXICO	3483.4	59.6	92.6	139.1	0.3	18.5	0.0
70	M2A-CIN X12545-12Y-1Y-0Y		MEXICO	3845.9	65.5	89.7	137.1	0.3	16.9	3.9
71	M2A-CIN X12545-102Y-101B-101Y-0Y		MEXICO	3570.2	63.6	94.6	138.1	8.3	15.7	20.2

TABLE 2. (CONTINUED)

VTY	PLNT HT	LONG %	SHTR %	1000 G.W.	SEPT TRIT	SEPT NODO	SEPT SPP.	HELM	GERM %
	(45)	(5)	(3)	(1)	(3)	(2)	(1)	(1)	(1)
55	82.7	26.6	17.3	42.0	27.0	44.5	50.0	67.0	63.0
56	89.5	16.6	20.0	50.0	30.0	33.0	38.0	78.0	75.0
57	84.9	13.6	15.0	45.0	31.3	44.5	38.0	56.0	63.0
58	84.1	22.6	20.0	41.0	65.0	33.0	50.0	44.0	75.0
59	87.1	16.0	20.0	49.0	31.3	27.5	50.0	44.0	38.0
60	87.0	18.6	25.0	43.0	57.3	22.0	38.0	56.0	50.0
61	86.1	18.6	25.0	43.0	38.3	27.5	38.0	44.0	38.0
62	84.5	24.6	30.0	49.0	61.3	38.5	38.0	56.0	50.0
63	84.7	21.6	18.3	53.0	45.7	39.0	50.0	33.0	25.0
64	83.6	14.6	20.0	47.0	38.0	39.0	50.0	44.0	38.0
65	82.7	19.6	21.7	40.0	23.0	33.0	50.0	67.0	25.0
66	84.1	31.6	18.3	48.0	46.3	33.0	38.0	56.0	50.0
67	83.6	29.0	16.7	48.0	42.7	33.0	38.0	56.0	25.0
68	85.5	22.0	18.3	49.0	46.0	44.5	13.0	44.0	50.0
69	85.9	28.0	18.3	50.0	50.0	44.5	13.0	44.0	63.0
70	86.1	12.0	13.3	48.0	46.0	27.5	13.0	33.0	38.0
71	88.2	17.0	13.3	56.0	41.7	11.0	25.0	56.0	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
			NOBS:	(41)	(6)	(41)	(20)	(4)	(19)	(6)
72	M2A-CIN X12545-102Y-101B-103Y-0Y		MEXICO	3787.7	63.2	96.1	140.4	0.3	20.1	20.2
73	M2A X SD6495-B1F6 X10473-C-1Y-1M-1Y-0Y		MEXICO	3947.1	62.5	95.1	140.9	0.3	14.7	7.5
74	M2A-TANORI71 X14679-15Y-1Y-0Y		MEXICO	3177.4	64.6	91.7	135.0	0.3	17.2	8.0
75	M2A-TANORI71 X14679-15Y-1Y-3Y-0Y		MEXICO	3493.2	64.8	91.1	137.7	0.3	15.0	13.0
76	M2A-TANORI71 X14683-1Y-2Y-0Y		MEXICO	3186.9	66.0	95.6	140.7	1.3	12.4	1.7
77	M2A-KLA"S" X12701-20Y-1Y-2M-0Y		MEXICO	3315.2	59.2	93.5	140.3	8.1	10.8	0.0
78	M2A-KLA"S" X12706-E-1Y-1Y-3M-0Y		MEXICO	3293.5	64.0	90.1	138.1	3.8	7.6	0.1
79	M2A-KLA"S" X12725-E-1Y-1Y-7M-0Y		MEXICO	3484.0	63.7	97.0	142.2	2.5	3.1	0.0
80	M2A-KLA X BRN"S" X10893-A-1M-1Y-0Y		MEXICO	2985.9	64.0	90.3	136.8	1.3	4.0	0.0
81	M2A-BGL X15490-2Y-4B-1N-0M		MEXICO	4534.2	65.9	97.7	144.9	1.5	19.5	0.0
82	M2A-BGL X15490-3Y-0M		MEXICO	3807.6	62.9	96.0	145.0	1.6	6.6	0.0
83	M2A-ARM."S" X BGL X15733-1N-0M		MEXICO	4263.6	65.5	95.8	143.6	1.9	5.9	16.5
84	M2A-IPA X M2A-CIN X11319-B-7M-1Y-0Y		MEXICO	3219.9	63.2	89.9	135.0	1.3	12.3	0.7
85	M2A(2)-ARS X CIN X9276-B-1Y-2M-1Y-0Y		MEXICO	3452.1	67.7	88.6	134.9	0.3	19.3	3.5
86	M2A-CANADA X8208-G-1Y-2M-3Y-0Y		MEXICO	3890.5	64.7	93.0	137.3	1.3	0.9	0.0
87	M2A-OCTOBULK X10892-19M-1Y-1Y-1M-0Y		MEXICO	2727.8	63.1	90.7	136.6	0.3	5.1	5.0
88	M2A-CAJEME71 X14720-3Y-1Y-0Y		MEXICO	4050.1	64.8	93.7	138.4	0.3	13.8	5.0

TABLE 2. (CONTINUED)

VTY	PLNT HT	LODG %	SHTR %	1000 G.W.	SEPT TRIT	SEPT NODO	SEPT SPP.	HELM	GERM %
	(45)	(5)	(3)	(1)	(3)	(2)	(1)	(1)	(1)
72	89.3	11.0	13.3	56.0	34.3	22.0	25.0	33.0	38.0
73	89.3	20.0	17.3	52.0	41.3	27.5	13.0	67.0	25.0
74	80.6	19.0	20.0	48.0	57.3	44.0	25.0	44.0	13.0
75	81.3	41.6	21.7	49.0	53.3	33.0	25.0	33.0	38.0
76	81.3	35.6	16.7	49.0	57.3	33.0	38.0	56.0	38.0
77	85.2	36.0	18.3	54.0	30.0	33.0	63.0	44.0	38.0
78	83.1	46.6	16.7	59.0	49.7	44.0	63.0	22.0	38.0
79	92.5	51.6	10.0	58.0	48.7	33.0	25.0	78.0	50.0
80	85.8	17.0	18.3	55.0	45.3	50.0	25.0	56.0	50.0
81	111.6	22.0	8.3	51.0	15.3	11.0	13.0	33.0	50.0
82	96.3	17.0	8.3	52.0	41.3	27.5	25.0	44.0	50.0
83	99.6	13.6	6.7	48.0	19.3	27.5	25.0	56.0	38.0
84	83.6	19.6	16.7	51.0	41.7	44.5	13.0	44.0	50.0
85	86.3	40.6	11.7	45.0	34.7	39.0	50.0	0.0	63.0
86	82.8	18.6	17.3	43.0	42.3	33.0	38.0	33.0	50.0
87	79.6	28.0	13.3	41.0	57.0	44.5	25.0	44.0	63.0
88	83.2	24.6	21.7	47.0	53.7	38.5	25.0	22.0	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
			NOBS:	(41)	(6)	(41)	(20)	(4)	(19)	(6)
89	M2A X ITA-LEO X15768-100Y-0Y		MEXICO	3279.6	60.8	88.5	137.9	0.3	12.0	2.7
90	M2A-LEO"S" X12736-28Y-1Y-1M-0Y		MEXICO	3627.2	61.6	95.7	138.7	0.3	8.4	0.8
91	M2A-WW15 X17045-1Y-1M-0Y		MEXICO	3298.3	64.3	95.4	141.6	0.3	13.4	1.5
92	M2A-CAL(UTIQUE) X17063-2N-0M		MEXICO	3955.8	65.2	88.9	136.9	0.3	24.1	3.1
93	M2A-BGC X12768-17Y-2Y-1M-0Y		MEXICO	3558.9	63.1	90.1	139.6	0.3	13.6	0.7
94	M2A-FS722 X12845-12Y-5Y-1M-0Y		MEXICO	3297.5	60.8	96.3	142.1	0.3	5.7	0.0
95	M2A-FS722 X12845-12Y-7Y-1M-0Y		MEXICO	3589.8	64.8	94.6	140.8	0.3	5.1	0.8
96	M2A-ZARAGOZA X17034-1N-0M		MEXICO	3639.7	59.8	90.8	137.7	0.3	5.2	0.3
97	M2A-ZARAGOZA X17034-2N-0M		MEXICO	4052.3	60.5	90.0	136.9	0.3	7.8	0.0
98	M2A-FS714 X12348-A-1Y-4Y-2M-0Y		MEXICO	3178.2	56.2	88.3	135.6	0.3	11.4	1.3
99	M2A X UM"S"-ARM."S"/CML"S" X14209-C-1Y-1Y-1M-0Y		MEXICO	3726.4	60.3	94.4	139.5	0.3	11.6	0.0
100	MEXICALI		MEXICO	2658.8	73.1	92.7	135.4	5.0	21.2	6.7
101	M2A X UM940"S"-ARM"S"/AZTECA67 X14928-6Y-1Y-0Y		MEXICO	3565.1	61.4	92.4	140.8	1.3	11.6	0.3
102	M2A-UP301 X BGL"S" X16378-2Y-08-1Y-0M		MEXICO	4533.4	64.4	95.9	144.7	3.8	6.2	0.0
103	M2A-ARM."S" X9245-H-3Y-2M-1Y-0Y		MEXICO	3118.6	62.4	88.8	136.5	5.0	4.5	0.5
104	M2A-ARM."S" X8266-B-6Y-1M-2Y-0Y		MEXICO	3485.1	63.4	90.2	134.4	2.5	9.7	0.0
105	M2A-ARM."S" X8266-H-4Y-2M-1Y-0Y		MEXICO	3620.6	59.3	90.1	134.9	1.3	6.6	1.7

TABLE 2. (CONTINUED)

VTY	PLNT HT	LODG %	SHTR %	1000 G.W.	SEPT TRIT	SEPT NODO	SEPT SPP.	HELM	GERM %
	(45)	(5)	(3)	(1)	(3)	(2)	(1)	(1)	(1)
89	83.9	14.6	15.0	44.0	38.7	38.5	25.0	56.0	50.0
90	89.5	24.0	21.7	51.0	53.0	22.0	13.0	44.0	63.0
91	84.7	20.6	20.0	50.0	45.3	22.0	25.0	44.0	63.0
92	84.5	26.0	16.7	48.0	53.3	22.0	25.0	56.0	63.0
93	85.6	26.0	16.7	54.0	49.7	33.0	25.0	44.0	50.0
94	85.3	34.0	16.7	44.0	38.0	22.0	38.0	67.0	63.0
95	82.8	24.6	18.3	39.0	27.0	33.0	25.0	67.0	50.0
96	90.8	37.6	8.3	41.0	46.0	22.0	25.0	44.0	39.0
97	91.4	28.6	8.3	42.0	42.3	22.0	25.0	56.0	50.0
98	87.4	26.0	13.3	38.0	45.3	22.0	25.0	0.0	50.0
99	88.5	28.6	17.3	50.0	41.3	33.0	13.0	33.0	50.0
100	78.0	24.0	16.7	56.0	64.7	44.5	50.0	56.0	63.0
101	88.9	22.0	20.0	46.0	57.0	22.0	38.0	44.0	50.0
102	109.3	11.0	11.7	46.0	38.3	22.0	25.0	56.0	50.0
103	89.2	19.6	17.3	43.0	49.7	38.5	50.0	56.0	50.0
104	80.9	29.6	19.0	47.0	56.3	38.5	50.0	44.0	63.0
105	82.9	23.6	20.0	48.0	68.7	38.5	88.0	0.0	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
			NOBS:	(41)	(6)	(41)	(20)	(4)	(19)	(6)
106	M2A-ARM."S" X8266-H-4Y-2M-2Y-0Y		MEXICO	3290.1	60.4	90.1	134.3	2.3	5.0	0.0
107	M2A(2) X9504-C-2Y-2M-100M-103B-103Y-0Y		MEXICO	3403.5	62.3	87.8	135.2	1.3	8.8	3.3
108	M2A(2) X11613-A-2M-1Y-0Y		MEXICO	3878.6	62.0	89.3	135.7	1.3	14.6	0.7
109	M2A(2) X11613-A-2M-1Y-1Y-1M-0Y		MEXICO	3540.3	61.2	90.4	135.9	1.3	13.5	0.3
110	M2A(2) X11613-A-2M-1Y-1Y-2M-0Y		MEXICO	3725.6	63.2	90.2	134.6	0.3	17.6	0.3
111	M2A(2) X11613-A-2M-1Y-1Y-4M-0Y		MEXICO	3313.5	61.5	90.5	134.9	0.3	18.3	1.5
112	M2A(2) X11634-C-6M-2Y-0Y		MEXICO	3178.7	60.0	93.1	135.6	0.3	15.1	0.7
113	M2A(2) X11880-50M-1Y-1Y-0M		MEXICO	3964.8	65.7	90.6	136.3	2.4	6.0	0.3
114	M2A(2) X11890-A-2M-1Y-0Y		MEXICO	3013.1	57.5	90.1	135.9	0.3	18.1	0.0
115	M2A(2) X12506-24Y-1Y-2M-0Y		MEXICO	3097.9	63.9	91.1	136.6	0.3	11.3	0.2
116	M2A(2) X12517-3Y-1Y-3M-0Y		MEXICO	3495.1	59.4	91.0	137.3	0.3	4.8	0.0
117	M2A(2) X12517-15Y-3Y-1M-0Y		MEXICO	3445.2	64.2	94.2	138.8	0.3	5.2	0.0
118	M2A(2) X12517-17Y-3Y-0M		MEXICO	3686.3	64.3	90.4	137.3	0.3	13.8	3.5
119	M2A(2) X12517-36Y-1Y-1M-0Y		MEXICO	3428.8	62.9	90.5	137.2	0.3	12.3	1.5
120	M2A(2) X12526-A-100Y-100B-101Y-0Y		MEXICO	3133.3	61.0	95.5	138.7	0.3	4.0	0.3
121	M2A(2) X12527-22Y-1Y-4M-0Y		MEXICO	3428.3	61.3	94.8	138.8	0.3	21.8	2.5
122	M2A(2)/M2A(2)-UM940"S" X ITA-M2A X11327-B-4M-1Y-1Y-4M-0Y		MEXICO	3833.7	61.6	89.9	136.9	1.8	12.3	47.2

TABLE 2. (CONTINUED)

VTY	PLNT HT	LODG %	SHTR %	1000 G.W.	SEPT TRIT	SEPT NODO	SEPT SPP.	HELM	GERM %
	(45)	(5)	(3)	(1)	(3)	(2)	(1)	(1)	(1)
106	83.0	28.6	18.3	49.0	49.7	38.5	75.0	56.0	63.0
107	87.8	24.6	21.7	42.0	45.3	50.0	75.0	0.0	50.0
108	83.1	22.0	20.0	50.0	42.3	38.5	75.0	44.0	39.0
109	83.0	16.0	20.7	50.0	49.3	38.5	50.0	56.0	50.0
110	84.8	21.6	18.3	51.0	61.0	33.0	38.0	0.0	63.0
111	84.9	21.0	25.0	49.0	46.0	33.0	25.0	44.0	50.0
112	82.9	23.6	21.7	49.0	57.3	27.5	25.0	0.0	63.0
113	87.7	17.0	10.0	46.0	53.7	33.0	38.0	44.0	50.0
114	84.7	21.0	20.0	52.0	42.3	27.5	38.0	0.0	50.0
115	84.0	18.6	16.7	51.0	46.0	33.0	38.0	33.0	63.0
116	84.8	26.6	11.7	42.0	38.0	22.0	63.0	44.0	63.0
117	84.6	19.6	11.7	48.0	50.0	22.0	50.0	33.0	63.0
118	85.5	15.6	11.7	49.0	38.3	27.5	38.0	67.0	75.0
119	85.7	19.6	10.7	51.0	53.7	27.5	50.0	33.0	50.0
120	83.9	29.6	35.0	47.0	49.7	22.0	38.0	22.0	75.0
121	85.2	30.0	23.3	45.0	38.0	27.5	38.0	33.0	50.0
122	86.6	31.0	13.3	48.0	41.7	33.0	38.0	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
			NOBS:	(41)	(6)	(41)	(20)	(4)	(19)	(6)
123	M2A X M2A-CIN X12877-B-3Y-2Y-2M-0Y		MEXICO	3214.7	59.9	89.9	135.9	3.3	16.1	11.2
124	M2A(2)-IRA X14120-A-1Y-1Y-4M-0Y		MEXICO	3269.0	61.4	92.0	136.7	1.7	23.1	10.0
125	M2A-IRA X11960-6M-1Y-1Y-0M		MEXICO	4107.3	66.9	91.6	136.5	0.3	8.4	3.0
126	IA X1648-1N-4M-6Y-3M-1Y-0M		MEXICO	3609.4	63.7	88.5	135.2	0.3	11.1	1.4
127	IA X1648-8N-3M-0Y-2B-0Y		MEXICO	3955.9	66.6	87.6	136.6	0.3	10.7	1.8
128	IA-BULKE2 X11065-A-1M-1Y-0Y		MEXICO	3494.5	62.2	90.8	138.5	0.3	14.3	3.0
129	IA-BULKE2 X11065-C-2M-1Y-0Y		MEXICO	3490.8	61.6	91.6	142.6	1.3	17.1	3.5
130	IA-M2A X PI62/BGL"S" X16304-101Y-0Y-0M		MEXICO	3774.1	62.9	97.4	144.7	3.3	13.6	0.0
131	IA-M2A X PI62/BGL"S" X16304-110Y-1M-0Y-0M		MEXICO	4154.8	63.3	98.4	142.7	4.0	6.6	0.0
132	IA-M2A X8447-D-1Y-5M-1Y-0Y		MEXICO	2924.7	62.1	89.8	136.4	0.3	3.2	3.2
133	IA-M2A X11052-C-2M-1Y-1Y-1M-0Y		MEXICO	3754.0	66.0	92.2	137.6	0.3	3.0	1.3
134	IA-M2A X11052-C-2M-1Y-1Y-2M-0Y		MEXICO	3910.7	63.3	93.1	136.6	0.3	3.3	1.7
135	IA-M2A X11060-C-4M-1Y-1Y-0M		MEXICO	3515.7	62.2	90.4	136.4	0.3	18.3	0.3
136	IA-M2A X11060-C-4M-1Y-3Y-0M		MEXICO	3591.3	65.3	88.6	135.8	0.3	16.0	0.6
137	IA-M2A X11060-D-2M-1Y-0M		MEXICO	3829.3	66.2	88.1	136.2	0.3	12.8	0.0
138	IA-M2A X11060-D-2M-1Y-1Y-0M		MEXICO	3963.4	60.9	92.8	140.7	0.3	11.1	0.0
139	IA-IRA X13202-100Y-101B-100Y-0Y		MEXICO	3072.0	54.7	92.4	138.5	0.5	9.6	0.0

TABLE 2. (CONTINUED)

VTY	PLNT HT	LODG %	SHTR %	1000 G.W.	SEPT TRIT	SEPT NODO	SEPT SPP.	HELM	GERM %
	(45)	(5)	(3)	(1)	(3)	(2)	(1)	(1)	(1)
123	81.6	19.6	20.0	49.0	53.3	39.0	38.0	22.0	63.0
124	88.7	21.3	18.3	51.0	27.0	33.0	25.0	44.0	63.0
125	85.1	13.6	13.3	48.0	35.0	44.5	38.0	22.0	38.0
126	82.5	25.0	11.7	41.0	57.3	27.5	25.0	22.0	50.0
127	85.9	18.0	10.0	45.0	49.7	33.0	38.0	44.0	50.0
128	86.0	33.6	11.7	42.0	38.0	33.0	25.0	22.0	63.0
129	86.6	32.6	10.0	38.0	38.0	22.0	38.0	33.0	63.0
130	101.0	17.6	8.3	54.0	26.7	16.5	38.0	44.0	63.0
131	103.4	21.0	11.7	52.0	41.3	22.0	25.0	56.0	75.0
132	89.1	31.0	21.7	44.0	52.7	33.0	38.0	22.0	63.0
133	85.6	11.0	18.3	45.0	53.7	33.0	38.0	44.0	88.0
134	83.9	20.0	18.3	51.0	50.0	33.0	25.0	56.0	88.0
135	85.0	15.6	20.0	44.0	65.0	27.5	25.0	33.0	88.0
136	86.1	13.6	16.7	48.0	42.3	22.0	50.0	33.0	75.0
137	85.5	14.6	13.3	48.0	53.3	27.5	50.0	33.0	63.0
138	84.5	17.0	18.3	42.0	38.0	27.5	25.0	44.0	75.0
139	87.8	31.6	10.0	49.0	49.7	27.5	38.0	44.0	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
			NOBS:	(41)	(6)	(41)	(20)	(4)	(19)	(6)
140	IA(2) X8436-H-1Y-4M-1Y-0Y		MEXICO	3349.2	63.9	88.1	136.8	0.3	10.3	0.1
141	IA(2) X9436-H-3Y-10M-1Y-0Y		MEXICO	3304.0	63.2	88.3	136.2	0.3	16.4	1.4
142	IA(2) X8436-H-3Y-11M-1Y-0Y		MEXICO	3291.9	64.3	87.9	134.7	0.3	17.1	0.0
143	IA-KLA X CAL X14920-BY-1Y-0Y		MEXICO	3206.1	64.8	94.6	138.2	0.3	14.6	0.8
144	IA-IRA X BUI X12257-1N-0M		MEXICO	4500.7	61.5	96.2	144.6	2.8	9.4	0.0
145	IA-IRA X BUI X12257-2N-0M		MEXICO	4362.1	62.9	96.2	144.7	2.4	4.8	0.0
146	IRA X2146-7N-7M-1N-2M-0Y-5B-0Y		MEXICO	3275.4	63.1	93.4	138.5	0.3	3.2	0.7
147	IRA-CAL X14600-1Y-0B		MEXICO	2815.8	62.2	87.5	135.6	0.3	12.0	0.2
148	IRA-CML X8308-B-1Y-3M-1Y-0Y		MEXICO	3482.5	63.3	88.1	135.8	0.3	11.1	0.0
149	IRA-CML X8326-C-1Y-1M-100Y-104B-101Y-1M-0Y		MEXICO	3045.1	62.3	91.5	138.2	0.3	17.0	0.2
150	BACUM		MEXICO	3618.0	64.5	89.2	135.4	0.3	13.2	0.0
151	IRA-CML X8326-C-1Y-1M-100Y-106B-100Y-0Y		MEXICO	3389.3	61.3	92.5	137.5	0.3	23.4	0.0
152	IRA-CML X8326-F-1Y-1M-100Y-106B-103Y-0Y		MEXICO	3630.5	62.1	92.8	137.4	0.3	26.0	0.0
153	IRA(2) X9346-B-1Y-1M-1Y-0Y		MEXICO	3082.3	63.1	88.3	135.8	0.5	16.7	0.2
154	IRA-CML"S" X13019-A-1Y-1Y-7M-0Y		MEXICO	3395.7	62.6	89.3	136.5	0.3	16.9	0.0
155	IRA-M2A X11770-21M-1Y-1Y-4M-0Y		MEXICO	3139.1	62.4	88.6	136.1	0.4	10.7	0.2
156	IRA-M2A X12937-B-1Y-1Y-4M-0Y		MEXICO	3051.0	63.4	87.9	136.3	0.3	17.5	0.0

TABLE 2. (CONTINUED)

VTY	PLNT HT	LODG %	SHTR %	1000 G.W.	SEPT TRIT	SEPT NODO	SEPT SPP.	HELM	GERM %
	(45)	(5)	(3)	(1)	(3)	(2)	(1)	(1)	(1)
140	82.3	28.6	13.3	41.0	42.3	50.0	63.0	0.0	63.0
141	81.2	21.0	11.7	42.0	46.3	50.0	25.0	33.0	63.0
142	78.0	17.0	10.0	37.0	53.7	39.0	39.0	22.0	63.0
143	85.3	20.0	23.3	48.0	50.0	27.5	25.0	22.0	63.0
144	99.5	7.0	10.0	51.0	34.3	16.5	25.0	67.0	75.0
145	98.3	13.0	3.3	46.0	41.7	22.0	13.0	44.0	75.0
146	85.1	29.0	13.3	45.0	42.3	27.5	13.0	33.0	63.0
147	84.5	31.0	16.7	40.0	61.0	44.5	38.0	56.0	75.0
148	88.4	25.6	17.3	39.0	57.0	27.5	38.0	33.0	63.0
149	89.4	22.0	15.0	38.0	57.0	38.5	50.0	33.0	63.0
150	90.5	30.0	16.7	46.0	38.7	56.0	38.0	33.0	50.0
151	93.0	25.6	19.0	34.0	53.3	27.5	50.0	56.0	50.0
152	91.6	26.6	16.7	39.0	53.3	22.0	39.0	44.0	50.0
153	81.0	24.6	20.7	41.0	64.7	33.0	50.0	33.0	63.0
154	85.6	32.6	25.0	41.0	53.3	33.0	38.0	67.0	50.0
155	83.8	16.0	15.0	49.0	57.0	27.5	13.0	56.0	63.0
156	85.5	13.6	20.0	49.0	53.7	27.5	13.0	22.0	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
			NOBS:	(41)	(6)	(41)	(20)	(4)	(19)	(6)
157	IRA-BGL X15570-3Y-1B-2N-0M		MEXICO	3803.2	67.4	94.0	145.0	0.3	19.2	0.0
158	IRA-BGL X15570-3Y-1B-3N-0M		MEXICO	3863.4	65.7	93.5	145.1	0.3	28.4	0.7
159	IRA-COQUENA X14595-2Y-2Y-2M-0Y		MEXICO	3086.8	65.5	89.4	136.5	0.4	15.6	5.9
160	IRA-KAL X14576-6Y-1Y-4Y-0Y		MEXICO	3104.1	63.0	89.4	136.9	0.3	18.3	6.0
161	IRA(2) X8319-A-3Y-1M-0Y		MEXICO	2746.3	59.1	87.3	135.3	0.3	23.7	26.8
162	IRA(2) X8292-C-2Y-2M-1Y-0Y		MEXICO	3265.9	65.5	88.7	136.3	0.3	14.4	5.0
163	IRA(2)-M2A(2) X11308-B-2M-3Y-2Y-4M-0Y		MEXICO	3465.2	66.6	87.5	136.7	0.3	12.1	0.1
164	KLA"S" X2091-100Y-101B-2N-2M-4Y-1M-1Y-0Y		MEXICO	3128.7	61.6	92.8	138.4	2.0	9.5	0.0
165	KLA-M2A X8816-3Y-3M-2Y-0Y		MEXICO	3958.2	63.4	93.0	138.1	22.6	2.5	15.8
166	KLA-M2A X9816-A-1Y-1M-2Y-0Y		MEXICO	3877.3	63.8	93.7	137.9	28.8	8.8	8.5
167	KLA-IA X9811-A-4Y-4M-2Y-0Y		MEXICO	3539.4	59.2	93.3	139.0	20.4	10.3	0.0
168	KLA-IA X9814-D-3Y-1M-1Y-0Y		MEXICO	2995.0	64.2	92.6	138.1	1.3	5.8	0.7
169	KLA X OCTO-HEXA X7203-3M-1Y-1M-0Y		MEXICO	3458.6	64.1	88.6	136.3	4.0	11.9	5.2
170	CIN"S"-M2A X12901-A-1Y-2Y-3M-0Y		MEXICO	2998.4	61.6	91.1	135.9	0.4	11.3	0.2
171	CIN-POTAM70 X IA X14082-A-1Y-4Y-1M-0Y		MEXICO	3271.4	58.6	91.9	138.1	1.3	11.5	26.7
172	M2A-BGL X15491-1Y-3B-3N-0M		MEXICO	4221.7	63.5	96.1	144.1	4.0	20.0	20.8
173	BGL"S"-464 X1530-A-12M-5N-1M-110Y-0M		MEXICO	3800.7	63.4	96.0	145.1	3.5	5.7	11.8

TABLE 2. (CONTINUED)

VTY	PLNT HT	LODG %	SHTR %	1000 G.W.	SEPT TRIT	SEPT NODO	SEPT SPP.	HELM	GERM %
	(45)	(5)	(3)	(1)	(3)	(2)	(1)	(1)	(1)
157	112.6	21.6	6.7	47.0	41.7	16.5	13.0	56.0	63.0
158	107.8	19.0	5.0	51.0	45.3	16.5	13.0	56.0	63.0
159	79.9	16.0	13.3	45.0	64.7	38.5	25.0	44.0	50.0
160	85.6	18.6	21.7	49.0	52.7	38.5	25.0	44.0	63.0
161	81.0	20.6	18.3	45.0	60.3	39.0	25.0	22.0	50.0
162	86.1	22.6	17.3	50.0	49.0	44.5	38.0	33.0	50.0
163	83.7	19.6	14.0	38.0	41.3	38.5	50.0	33.0	50.0
164	84.5	13.6	11.7	55.0	49.0	38.5	63.0	56.0	63.0
165	85.0	16.0	11.7	48.0	33.3	27.5	38.0	56.0	50.0
166	84.1	13.6	11.7	51.0	44.3	39.0	25.0	56.0	38.0
167	83.0	32.0	13.3	51.0	56.7	33.0	25.0	56.0	63.0
168	80.2	13.6	14.0	47.0	52.7	33.0	25.0	44.0	63.0
169	88.3	22.6	18.3	45.0	65.0	38.5	25.0	56.0	50.0
170	82.6	18.0	19.3	55.0	49.7	33.0	25.0	56.0	38.0
171	89.4	15.6	15.0	43.0	57.3	27.5	25.0	56.0	38.0
172	110.5	21.6	3.3	57.0	41.3	22.0	25.0	56.0	50.0
173	112.2	28.6	3.3	55.0	27.0	22.0	25.0	67.0	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
			NOBS:	(41)	(6)	(41)	(20)	(4)	(19)	(6)
174	BGL"S"-511 X1530-A-12M-5N-1M-110Y-0M		MEXICO	3879.8	65.3	94.3	145.3	3.4	5.2	0.0
175	BGL"S"-512 X1530-A-12M-5N-1M-110Y-0M		MEXICO	3635.1	63.2	95.3	145.3	3.2	4.1	0.0
176	BGL"S"-16 X1530-A-12M-5N-1M-110Y-0M		MEXICO	3790.6	64.5	94.8	145.9	4.2	6.9	18.3
177	BGL"S"-19 X1530-A-12M-5N-1M-100Y-0M		MEXICO	3982.3	62.5	96.2	146.2	4.0	4.9	8.5
178	BGL"S"-128 X1530-A-12M-5N-1M-110Y-0M		MEXICO	3886.8	62.4	96.9	144.8	4.9	9.6	10.0
179	BGL"S"-493 X1530-A-12M-5N-1M-100Y-0M		MEXICO	3668.7	64.0	95.5	145.6	4.7	11.4	18.3
180	BGL"S"-552 X1530-A-12M-5N-1M-110Y-0M		MEXICO	4368.1	64.1	97.9	147.2	4.5	4.5	3.3
181	BGC-BULKE2 X11066-A-6M-100Y-101B-100Y-0Y		MEXICO	3178.8	56.4	100.0	145.0	1.3	9.8	0.7
182	BGC-BULKE2 X11066-A-6M-100Y-101B-101Y-0Y		MEXICO	2996.2	59.2	89.5	140.4	1.3	10.2	1.8
183	BGL"S" X TOB-ARM."S" X21542-5N-0M		MEXICO	3722.4	64.0	95.3	142.9	2.9	2.4	0.0
184	BGL"S" X TOB-ARM."S" X21542-6N-0M		MEXICO	3962.9	63.0	96.0	145.5	2.9	9.5	30.3
185	BGL-CIN"R" X21535-4N-0M		MEXICO	3883.7	64.2	95.0	145.2	3.7	9.5	24.0
186	BGL-CIN"R" X21535-5N-0M		MEXICO	3626.1	64.0	95.3	147.0	4.2	7.2	27.8
187	M2A-ARM."S" X BGL X15733-1Y-2B-1N-0M		MEXICO	3933.5	66.8	92.9	143.3	1.7	22.1	6.7
188	BGL-CIN X21535-6N-0M		MEXICO	3766.5	62.6	95.2	145.7	2.9	9.9	26.0
189	BGL X TOB-ARM"S" X21542-7N-0M		MEXICO	4054.1	63.9	96.1	146.1	3.4	14.7	31.0
190	DRIRA-67		MEXICO	3207.0	60.2	98.6	145.9	1.4	11.3	1.7

TABLE 2. (CONTINUED)

VTY	PLNT HT	LODG %	SHTR %	1000 G.W.	SEPT TRIT	SEPT NODO	SEPT SPP.	HELM	GERM %
	(45)	(5)	(3)	(1)	(3)	(2)	(1)	(1)	(1)
174	110.4	32.6	5.0	52.0	30.0	16.5	25.0	56.0	38.0
175	111.2	26.0	5.0	54.0	41.7	16.5	25.0	44.0	50.0
176	110.2	25.0	5.0	53.0	34.3	22.0	38.0	67.0	38.0
177	111.7	30.6	5.0	52.0	41.7	16.5	13.0	56.0	38.0
178	112.7	25.6	5.0	52.0	34.0	22.0	13.0	56.0	38.0
179	110.8	28.0	5.0	54.0	34.3	22.0	13.0	56.0	38.0
180	110.2	22.5	5.0	51.0	38.3	22.0	25.0	56.0	38.0
181	88.0	13.6	15.7	43.0	27.3	16.5	38.0	56.0	25.0
182	89.1	14.6	15.0	41.0	46.0	22.0	50.0	67.0	25.0
183	109.5	39.0	5.0	52.0	46.0	22.0	25.0	67.0	38.0
184	110.5	40.6	5.0	50.0	34.0	22.0	25.0	56.0	50.0
185	108.6	17.0	5.0	52.0	34.3	22.0	25.0	44.0	13.0
186	107.4	12.6	5.0	50.0	41.7	16.5	38.0	56.0	13.0
187	106.3	32.6	5.0	50.0	31.0	11.0	25.0	56.0	0.0
188	110.3	34.0	5.0	54.0	41.7	16.5	38.0	56.0	25.0
189	108.0	45.6	6.7	54.0	42.3	11.0	50.0	56.0	13.0
190	99.6	54.5	6.7	63.0	22.7	22.0	13.0	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	ST. RUST
			NOBS:	(41)	(6)	(41)	(20)	(4)	(19)	(6)
191	DRIRA-461		MEXICO	3603.8	58.7	99.5	146.3	0.3	8.2	0.7
192	DRIRA-480		MEXICO	3381.5	57.2	97.1	143.2	0.3	6.9	0.2
193	DRIRA-487		MEXICO	3596.5	58.4	96.9	144.8	6.3	8.9	0.0
194	DRIRA-501		MEXICO	3573.9	57.8	97.8	144.8	0.3	6.6	12.2
195	DRIRA-SORGO X16020-2Y-1B-2N-0M		MEXICO	4133.4	63.0	96.3	145.6	1.3	10.4	17.5
196	DRIRA-IA X16641-2B-0N		MEXICO	3101.8	63.4	97.5	143.9	1.5	5.9	20.2
197	DRIRA X KISS-ARM"S" X21295-D-1N-0M		MEXICO	3809.9	62.1	93.1	145.4	0.3	13.4	11.5
198	DRIRA X KISS-ARM"S" X21295-D-2Y-0M		MEXICO	3659.7	62.6	92.4	144.3	0.4	15.4	13.5
199	DRIRA-FAS204 X21298-2N-0M		MEXICO	3875.5	61.8	93.5	144.6	1.3	5.6	0.2
200	7CERROS		MEXICO	3091.1	73.5	95.5	135.6	60.0	33.6	18.0
201	DRIRA-FS477 X21321-1N-0M		MEXICO	3744.3	59.4	88.8	138.9	0.3	5.2	0.0
202	DRIRA-ARM105 X21367-4N-0Y		MEXICO	3298.1	56.8	94.5	144.7	1.3	6.4	0.0
203	DRIRA-ZARAGOZA X21391-1N-0Y		MEXICO	3809.9	59.7	97.6	145.1	0.3	6.0	0.0
204	OCTO-BULK-BUSH X7233-17M-1Y-1M-0Y		MEXICO	3181.3	61.9	92.5	136.8	4.3	13.0	1.7
205	OCTOBULK-BUSH X7233-17M-3Y-2M-0Y		MEXICO	3761.9	62.3	95.2	140.7	0.3	11.6	5.3
206	OCTOBULK50-IA X15682-100Y-0Y		MEXICO	3117.5	64.7	92.6	138.8	0.3	3.9	1.3
207	OCTOBULK50-IA X15682-100Y-1M-0Y		MEXICO	3634.0	62.3	90.5	137.9	0.3	5.1	0.7
208	HEXAFROMOCTO-HEXA X M1A X11240-8-3M-1Y-100Y-0Y		MEXICO	2999.6	62.3	91.8	136.9	0.4	2.5	1.5
209	OCTOOC-AGROT X7224-10M-1Y-3M-0Y		MEXICO	3258.9	62.7	90.6	137.7	0.3	8.9	0.0

TABLE 2. (CONTINUED)

VTY	PLNT HT	LODG %	SHTR %	1000 G.W.	SEPT TRIT	SEPT NODO	SEPT SPP.	HELM	GERM %
	(45)	(5)	(3)	(1)	(3)	(2)	(1)	(1)	(1)
191	100.9	57.6	5.0	59.0	26.7	11.0	13.0	44.0	13.0
192	102.5	51.0	5.0	63.0	23.0	11.0	13.0	56.0	0.0
193	103.0	31.0	5.0	61.0	31.0	27.5	13.0	44.0	38.0
194	99.7	39.6	5.0	59.0	26.7	16.5	13.0	56.0	25.0
195	103.9	18.6	5.0	52.0	31.0	16.5	25.0	56.0	25.0
196	93.4	26.0	5.0	57.0	38.0	22.0	13.0	56.0	38.0
197	104.4	17.0	5.0	56.0	27.3	27.5	13.0	56.0	50.0
198	106.3	13.6	5.0	54.0	34.7	27.5	13.0	56.0	38.0
199	107.9	18.6	5.0	57.0	34.7	22.0	25.0	44.0	63.0
200	82.7	37.6	11.7	40.0	68.7	38.5	25.0	33.0	38.0
201	98.5	27.6	8.3	46.0	34.7	27.5	25.0	44.0	38.0
202	99.7	21.6	8.3	61.0	23.7	22.0	25.0	78.0	0.0
203	121.3	32.0	5.0	61.0	7.3	22.0	13.0	44.0	0.0
204	89.1	17.0	10.0	55.0	50.0	27.5	38.0	33.0	50.0
205	92.5	5.0	12.3	-----	46.0	33.5	25.0	44.0	-----
206	85.6	18.0	5.7	44.0	61.3	22.0	38.0	44.0	63.0
207	87.4	26.0	15.0	45.0	42.3	44.0	38.0	33.0	75.0
208	75.3	13.6	10.0	45.0	65.0	50.0	25.0	67.0	63.0
209	83.9	26.6	6.7	44.0	38.7	33.0	25.0	33.0	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
			NOBS:	(41)	(6)	(41)	(20)	(4)	(19)	(6)
210	BGC-BULKE2 X11066-E-9M-2Y-0Y		MEXICO	3565.6	62.4	90.4	137.2	5.3	7.2	2.5
211	TEJON-IRA X13895-B-100Y-101B-103Y-0Y		MEXICO	3518.9	67.2	91.6	138.0	0.3	2.0	0.0
212	TEJON-IRA X13895-B-100Y-101B-103Y-1M-0Y		MEXICO	3648.2	67.2	91.9	137.3	0.3	3.8	2.7
213	TEJON-IRA X13895-B-100Y-101B-105Y-0Y		MEXICO	3340.3	63.9	92.3	137.6	0.3	4.7	5.2
214	HUAMANTLASEL-200		MEXICO	3883.8	61.1	98.7	145.1	1.3	12.5	0.0
215	CHAPALA-SNOOPY X IA X13791-B-3Y-2Y-2M-0Y		MEXICO	3267.4	59.7	95.6	141.4	0.3	19.0	2.3
216	COYOTE-OCTOBULK50 X14015-A-3Y-3Y-1M-0Y		MEXICO	2992.1	60.4	95.2	138.1	7.9	4.9	0.3
217	COYOTE-OCTOBULK50 X14015-A-3Y-3Y-4M-0Y		MEXICO	3155.1	59.0	91.1	137.1	17.8	2.3	0.6
218	TOB-CNO"S" X M2A X14455-B-101Y-100B-100Y-0Y		MEXICO	3255.2	62.1	96.8	142.4	0.3	2.4	0.0
219	TOB-CNO"S" X M2A X14455-B-101Y-100B-101Y-0Y		MEXICO	3780.1	60.9	97.2	143.2	0.3	2.4	0.0
220	TOB-CNO"S" X M2A X14455-B-101Y-100B-102Y-0Y		MEXICO	3419.2	61.5	96.6	143.1	0.3	2.7	0.0
221	FS1897 0M		MEXICO	3998.1	65.3	89.9	139.6	0.3	10.4	0.8
222	FS855 0M-0Y-0BK-1Y-0Y		MEXICO	3696.3	61.7	94.9	140.7	0.3	3.4	0.2
223	UM2038		MEXICO	3368.8	59.8	94.1	138.8	0.3	9.4	0.0
224	UM2844		MEXICO	3063.7	63.0	88.5	135.3	0.3	3.6	2.7
225	(PJ62-POLKO)(2) X ARM"S"		MEXICO	3473.5	65.2	90.4	138.4	0.3	20.9	1.7
226	CML-PATOSELECTION-453		MEXICO	3529.6	66.5	89.9	137.8	0.3	4.7	0.0
227	CML-PATOSELECTION-454		MEXICO	3485.4	67.8	90.7	137.6	0.3	4.4	0.0
228	CML"S"-KAL X14861-1Y-3M-1Y-2M-0Y		MEXICO	3532.1	65.0	94.7	139.1	0.5	13.8	1.8

TABLE 2. (CONTINUED)

VTY	PLNT HT	LODG %	SHTR %	1000 G.W.	SEPT TRIT	SEPT NODO	SEPT SPP.	HELM	GERM %
	(45)	(5)	(3)	(1)	(3)	(2)	(1)	(1)	(1)
210	85.1	16.0	9.3	53.0	60.3	44.0	25.0	67.0	50.0
211	85.5	23.6	3.3	46.0	50.0	33.0	25.0	56.0	75.0
212	85.2	21.6	6.7	49.0	53.3	33.0	13.0	67.0	63.0
213	88.5	18.6	3.3	53.0	34.0	22.0	13.0	44.0	50.0
214	97.1	50.6	9.0	62.0	37.7	22.0	25.0	56.0	0.0
215	82.7	19.6	8.3	51.0	61.0	38.5	38.0	67.0	50.0
216	81.3	19.6	6.7	42.0	61.0	27.5	39.0	56.0	63.0
217	80.8	28.6	10.7	41.0	31.3	44.5	38.0	56.0	50.0
218	85.7	52.0	7.3	40.0	35.0	33.0	13.0	67.0	50.0
219	86.5	45.6	11.7	39.0	42.3	38.5	13.0	33.0	63.0
220	86.4	21.6	8.3	48.0	68.3	38.5	13.0	33.0	63.0
221	94.9	39.0	13.3	38.0	46.0	27.5	25.0	44.0	50.0
222	84.6	20.0	12.3	42.0	56.7	27.5	39.0	56.0	50.0
223	89.4	27.0	6.7	47.0	49.0	33.0	38.0	56.0	50.0
224	81.1	29.6	6.7	41.0	53.3	50.0	38.0	0.0	63.0
225	86.7	43.6	11.7	43.0	55.7	38.5	50.0	56.0	50.0
226	92.1	28.0	11.7	52.0	57.0	22.0	13.0	44.0	50.0
227	93.5	21.0	10.7	52.0	52.7	16.5	13.0	44.0	50.0
228	98.2	26.0	11.7	55.0	54.0	22.0	13.0	56.0	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
			NOBS:	(41)	(6)	(41)	(20)	(4)	(19)	(6)
229	MAPACHE"R" X2802-F-12M-1N-1N-1M-0Y		MEXICO	3363.5	65.4	90.4	136.7	7.8	19.4	3.5
230	MAPACHE"S" X2802-F-12M-1N-2M-0Y		MEXICO	3732.0	61.7	89.6	139.2	1.3	7.5	0.7
231	MAYA-ARM101		MEXICO	3520.4	60.7	90.8	140.8	0.3	6.6	0.2
232	IGA X2144-105Y-2M-0N-101Y-0Y		MEXICO	3426.6	66.2	86.3	138.1	0.3	9.8	0.0
233	IGA-IRA XR430-A-2Y-1M-2Y-0Y		MEXICO	2923.5	61.1	88.9	135.3	0.3	5.1	0.0
234	IGA-M2A X IA-M2A X14527-D-1Y-3Y-2M-0Y		MEXICO	3632.5	61.9	91.1	136.8	0.4	6.4	0.0
235	M2A X2832-29N-4M-4N-2M-0Y		MEXICO	3725.9	62.4	93.1	139.3	0.3	4.5	0.2
236	M2A 73CT519-A-2W-19W-0Y		MEXICO	3109.8	60.8	95.6	139.4	0.3	4.6	1.8
237	M2A-IA X7249-20M-1Y-3M-0Y		MEXICO	3709.7	65.5	94.3	140.2	0.4	11.8	5.0
238	M2A-BEAGLE X15490-0N		MEXICO	4218.6	65.8	94.8	142.3	5.3	22.4	1.8
239	M2A-ARM."S" X BGL X15733-0N		MEXICO	3811.9	66.3	92.5	140.9	0.4	25.0	1.7
240	M2A-UP301 X BGL X16378-0N		MEXICO	4325.2	64.4	96.9	142.1	5.3	8.1	0.2
241	M2A(CHR-BR/CNO"S"-CAL X NAD) X17052-0N		MEXICO	2009.4	70.3	99.9	142.5	0.5	13.2	34.3
242	BEAGLE"S"-7 X1530-A-12M-3Y-3M-1Y-0Y		MEXICO	3998.3	61.4	96.2	140.7	1.0	7.6	0.2
243	BEAGLE"S"-11 X1530-A-12M-3Y-3M-1Y-0Y		MEXICO	3393.3	60.8	94.6	143.0	0.9	11.0	6.8
244	BEAGLE"S"-69 X1530-A-12M-5N-1M-110Y-0M		MEXICO	3835.5	63.9	94.6	142.0	2.8	7.5	7.0
245	BEAGLE"S"-71 X1530-A-12M-5N-1M-110Y-0M		MEXICO	3930.3	63.9	94.1	142.2	4.8	10.9	8.3

TABLE 2. (CONTINUED)

VTY	PLNT HT	LODG %	SHTR %	1000 G.W.	SEPT TRIT	SEPT NODO	SEPT SPP.	HELM	GERM %
	(45)	(5)	(3)	(1)	(3)	(2)	(1)	(1)	(1)
229	90.5	15.0	6.7	52.0	61.0	39.0	13.0	56.0	63.0
230	90.5	17.6	16.7	48.0	64.7	33.0	25.0	56.0	63.0
231	91.9	25.0	13.3	42.0	50.0	16.5	25.0	44.0	63.0
232	88.7	43.6	8.3	42.0	42.7	33.0	25.0	22.0	50.0
233	81.6	26.6	15.7	37.0	57.3	38.5	25.0	44.0	75.0
234	89.5	20.0	10.0	52.0	50.0	27.5	25.0	56.0	50.0
235	95.4	26.6	8.3	37.0	49.7	27.5	38.0	56.0	63.0
236	98.8	37.0	11.7	48.0	53.3	38.5	38.0	44.0	63.0
237	103.4	30.6	14.0	51.0	49.7	22.0	38.0	56.0	50.0
238	116.6	14.0	8.3	52.0	34.0	22.0	25.0	56.0	63.0
239	105.8	18.6	5.0	50.0	53.0	27.5	13.0	56.0	75.0
240	114.7	20.6	8.3	53.0	41.3	22.0	25.0	56.0	75.0
241	91.6	20.0	9.0	47.0	52.7	22.0	38.0	33.0	88.0
242	103.9	14.0	13.3	55.0	37.7	16.5	13.0	56.0	0.0
243	109.0	17.6	13.3	52.0	38.0	27.5	13.0	67.0	0.0
244	112.2	16.6	10.0	53.0	33.3	33.0	13.0	56.0	50.0
245	110.2	17.6	13.3	57.0	37.3	16.5	13.0	56.0	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
			NOBS:	(41)	(6)	(41)	(20)	(4)	(19)	(6)
246	BEAGLE-76 X1530-A-12M-5N-1M-110Y-0M		MEXICO	3752.0	63.8	94.9	142.1	4.3	11.5	20.0
247	BEAGLEFMS-22		MEXICO	4097.8	61.7	95.9	142.6	4.0	17.6	23.3
248	BEAGLEFMS-89		MEXICO	2933.0	62.2	95.9	142.7	11.5	22.0	15.8
249	BGL-CIN"R" X15674-0N		MEXICO	4373.7	64.3	93.3	141.8	3.8	24.5	16.8
250	COCORIT		MEXICO	2553.0	73.8	93.7	137.7	3.8	11.6	28.8
251	OCTO-HEXA-15		MEXICO	3571.0	60.8	96.6	140.7	25.1	14.3	0.2
252	CAMEL-PATOSEL24		MEXICO	3024.0	60.9	95.7	140.4	2.5	7.0	0.1
253	CAMEL-PATOSEL25		MEXICO	3079.6	61.6	94.6	140.3	2.7	7.5	6.7
254	CAMEL-PATOSEL26		MEXICO	3284.8	67.4	90.3	138.4	1.3	4.7	0.0
255	CML-PATOSEL27		MEXICO	3349.5	64.0	90.2	141.0	26.8	13.3	0.2
256	CAMEL-PATOSEL28		MEXICO	4398.9	63.8	93.7	143.3	3.7	13.8	0.2
257	CAMEL-PATOSEL72		MEXICO	3127.6	62.8	93.6	140.1	1.5	7.8	0.0
258	CAMEL-PATOSEL93		MEXICO	3105.8	63.6	97.1	140.5	0.3	6.8	0.8
259	CAMEL-PATO X 7CERROS		MEXICO	3537.6	63.3	99.0	141.9	3.0	14.6	0.7
260	CAMEL"S"		MEXICO	3440.4	66.0	96.0	141.8	17.5	23.2	1.0
261	CML"S"-ROMANY X14671-C-0N		MEXICO	3156.7	60.3	92.1	141.6	0.3	7.5	0.0
262	IRA-BEAGLE X15570-0N		MEXICO	3531.8	65.3	94.6	143.8	11.4	24.8	0.2
263	DRIRA-SORGO X16020-0N		MEXICO	3918.7	64.7	89.6	141.3	1.3	16.3	4.2
264	DRIRA-SORGO X16672-0N		MEXICO	3762.1	61.5	94.4	141.2	2.8	32.4	15.1
265	DRIRA-FAS204 X21297-0N		MEXICO	3918.2	65.7	92.2	141.6	6.9	19.1	17.5
266	DRIRA-CINUEM X21329-0N		MEXICO	3066.1	60.2	90.3	139.4	1.3	15.3	4.0

TABLE 2. (CONTINUED)

VTY	PLNT HT	LODG %	SHTR %	1000 G.W.	SEPT TRIT	SEPT NODO	SEPT SPP.	HELM	GERM %
	(45)	(5)	(3)	(1)	(3)	(2)	(1)	(1)	(1)
246	109.1	28.6	5.0	54.0	34.0	22.0	13.0	56.0	50.0
247	111.0	24.6	13.3	51.0	41.3	16.5	13.0	67.0	63.0
248	108.6	15.0	10.0	50.0	33.3	27.5	13.0	56.0	63.0
249	115.0	42.6	10.0	54.0	37.7	27.5	13.0	56.0	50.0
250	79.4	51.6	3.3	51.0	72.3	38.5	25.0	56.0	75.0
251	101.4	39.0	11.7	41.0	61.0	38.5	25.0	56.0	63.0
252	97.7	46.0	16.7	44.0	57.3	27.5	25.0	67.0	50.0
253	93.6	38.6	4.0	45.0	72.3	27.5	25.0	56.0	63.0
254	92.3	36.6	8.3	53.0	56.7	22.0	25.0	56.0	63.0
255	93.8	44.0	6.7	50.0	45.3	22.0	25.0	56.0	63.0
256	108.8	24.0	5.7	56.0	37.7	16.5	25.0	78.0	39.0
257	102.9	28.0	15.0	45.0	61.0	38.5	25.0	56.0	50.0
258	102.7	35.0	13.3	50.0	57.7	27.5	25.0	56.0	75.0
259	111.7	28.6	11.7	49.0	42.3	22.0	13.0	56.0	50.0
260	103.6	26.0	10.0	51.0	49.0	27.5	25.0	56.0	50.0
261	100.9	19.6	20.0	43.0	56.7	38.5	25.0	56.0	63.0
262	104.1	23.0	5.0	58.0	45.3	16.5	25.0	44.0	75.0
263	106.2	25.0	8.3	50.0	49.3	33.0	13.0	67.0	50.0
264	106.3	45.6	5.0	56.0	45.0	16.5	13.0	56.0	50.0
265	115.7	27.6	6.7	59.0	45.3	16.5	13.0	56.0	50.0
266	110.5	32.0	15.0	55.0	50.0	33.0	13.0	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
			NOBS:	(41)	(6)	(41)	(20)	(4)	(19)	(6)
267	CIN-CNO X BGL X16337-0N		MEXICO	4018.0	62.6	93.9	141.4	21.7	26.1	15.0
268	CIN-CNO X BGL X16337-0N		MEXICO	3742.0	62.2	95.0	142.1	2.6	25.0	20.2
269	M2A-BGL X15491-0N		MEXICO	3954.1	60.6	96.1	145.1	6.7	23.1	33.7
270	M2A-BGL X1591-0N		MEXICO	4310.9	60.9	97.4	144.8	3.4	23.0	26.7
271	CIN-PI X CAL		MEXICO	2933.5	61.5	95.7	143.3	14.4	20.4	7.0
272	IA-KOALA X CAL X14920-0N		MEXICO	3744.9	67.3	92.0	136.5	0.3	15.2	6.3
273	IA-KOALA X CAL X14920-0N		MEXICO	3397.9	66.1	90.6	136.2	2.8	23.8	9.3
274	IA-KLA X CAL X14920-0N		MEXICO	3503.6	66.1	94.2	138.4	4.0	17.3	5.8
275	IA-KOALA X CAL X14920-0N		MEXICO	3287.3	66.8	94.8	139.4	2.8	17.7	2.7
276	FS-3927SEL		MEXICO	3240.1	66.1	95.8	140.1	5.0	19.1	2.2
277	ARS-MEXIPAK X BEAGLE X16313-0N		MEXICO	3660.5	64.6	94.1	139.3	10.7	24.9	15.3
278	G.S.59727/6TA204 8W826-12W-0W-0W		CANADA	2791.8	62.9	102.5	147.9	1.3	9.7	22.0
279	6TA204/PPV13//CINNAMON X9807-4W-8W-0W		CANADA	2695.6	57.5	101.4	146.4	7.8	15.2	33.7
280	6TA204/PPV21 D71038-19W-4W-2W-0W		CANADA	2805.7	58.4	103.3	148.6	2.9	7.0	14.0
281	6TA204/PPV21 D71038-19W-4W-4W-0W		CANADA	2408.2	58.5	103.6	149.3	21.3	10.0	12.7
282	6TA204/PPV21 D71036-65D-1W-1W-0W		CANADA	2933.9	61.0	104.4	148.7	5.3	8.5	9.0
283	6TA204/BRONCO90 D71042U1WU3WU0W		CANADA	2618.7	61.1	104.5	148.9	7.3	10.0	4.2
284	6TA204/BRONCO90 D71042-10W-3W-0W		CANADA	2926.0	64.7	103.5	148.6	7.0	9.5	4.2

TABLE 2. (CONTINUED)

VTY	PLNT HT	LODG %	SHTR %	1000 G.W.	SEPT TRIT	SEPT NODO	SEPT SPP.	HELM	GERM %
	(45)	(5)	(3)	(1)	(3)	(2)	(1)	(1)	(1)
267	109.3	21.0	10.7	46.0	45.3	16.5	25.0	56.0	88.0
268	106.7	22.6	5.0	42.0	38.0	22.0	25.0	56.0	75.0
269	107.9	20.6	8.3	50.0	49.0	16.5	25.0	44.0	75.0
270	111.2	26.6	11.7	55.0	41.3	22.0	25.0	56.0	50.0
271	89.1	17.0	18.3	49.0	49.7	22.0	25.0	56.0	63.0
272	87.5	11.0	13.3	47.0	49.3	38.5	13.0	44.0	38.0
273	91.8	25.0	16.7	54.0	53.0	27.5	13.0	44.0	50.0
274	97.1	16.0	16.7	51.0	53.7	44.0	13.0	56.0	63.0
275	99.0	24.6	15.0	50.0	61.0	38.5	13.0	56.0	63.0
276	101.9	18.6	8.3	53.0	56.7	33.0	13.0	56.0	63.0
277	108.6	25.6	3.3	50.0	49.7	27.5	13.0	56.0	50.0
278	109.6	23.6	13.3	43.0	34.0	33.0	13.0	67.0	50.0
279	98.9	22.6	10.0	51.0	45.7	27.5	13.0	56.0	50.0
280	117.5	49.6	10.7	48.0	37.7	22.0	13.0	78.0	63.0
281	116.5	28.6	13.3	50.0	29.7	22.0	13.0	78.0	63.0
282	119.5	33.0	6.7	48.0	29.0	16.5	13.0	67.0	50.0
283	121.8	67.0	8.3	50.0	40.0	16.5	13.0	56.0	38.0
284	121.1	57.0	8.3	48.0	23.5	16.5	13.0	44.0	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
			NOBS:	(41)	(6)	(41)	(20)	(4)	(19)	(6)
285	6TA204/BRONCO90 D71042-16W-1W-0W		CANADA	2883.7	61.8	103.0	148.5	9.0	10.8	4.8
286	6TA204/BRONCO90 D71042-28D-2W-9W-0W		CANADA	2973.3	63.1	102.4	148.1	9.7	9.4	4.2
287	6TA204/BRONCO90 D71042-28D-4W-5W-0W		CANADA	2929.4	61.6	102.2	147.2	10.7	9.4	10.8
288	6TA204/BRONCO90 D71042-60D-1W-3W-0W		CANADA	3019.2	61.3	102.1	147.0	14.0	12.9	4.9
289	6TA204/BRONCO90 D71042-60D-1W-5W-0W		CANADA	2938.0	61.6	102.1	147.6	10.7	14.3	4.1
290	6TA204/BRONCO90 D71042-60D-1W-8W-0W		CANADA	2654.3	60.6	102.1	147.3	10.7	9.8	1.8
291	6TA204/BRONCO90 D71042-60D-1W-9W-0W		CANADA	2969.2	62.9	102.3	147.6	9.7	12.4	2.4
292	6TA204/BRONCO90 D71042-60D-3W-10W-0W		CANADA	2988.8	62.9	103.3	147.7	8.0	13.3	2.7
293	6TA204/PPV13 D71043-20D-2W-3W-0W		CANADA	3161.1	59.5	102.7	148.8	16.0	13.6	1.7
294	6TA204/PPV13 D71043-20D-2W-5W-0W		CANADA	3009.4	58.8	103.3	148.3	20.7	17.8	0.7
295	6TA204/PPV13 D71043-54D-1W-3W-0W		CANADA	2781.1	61.9	100.0	146.6	17.5	8.6	0.0
296	6TA204//KANGAROO/UM940"S" W1325-167Y-0W		CANADA	3309.7	62.7	99.8	147.9	21.2	16.1	2.8
297	6TA204/T909 D71045-20D-1W-3W-0W		CANADA	2791.9	60.8	101.5	147.2	20.5	25.3	5.8
298	6TA204/T909 D71045-20D-1W-6W-0W		CANADA	2862.0	61.8	101.6	147.6	19.0	23.1	13.3
299	CINNAMON		CANADA	2720.6	61.9	91.4	138.6	1.3	19.1	0.8
300	TCC.XVI.18T-0T		CANADA	3135.5	60.0	103.9	148.3	24.0	8.4	3.3
301	TCCXV-199T-0T		CANADA	2581.8	62.5	104.3	149.7	33.2	17.4	10.5
302	TCCXV-203T-0T		CANADA	2687.9	63.2	103.3	148.1	25.7	21.6	6.0

TABLE 2. (CONTINUED)

VTY	PLNT HT	LODG %	SHTR %	1000 G.W.	SEPT TRIT	SEPT NODO	SEPT SPP.	HELM	GERM %
	(45)	(5)	(3)	(1)	(3)	(2)	(1)	(1)	(1)
285	120.3	65.6	8.3	47.0	23.0	22.0	13.0	56.0	50.0
286	122.9	63.0	8.3	47.0	29.0	16.5	25.0	56.0	0.0
287	123.4	63.0	8.3	49.0	34.5	16.5	13.0	33.0	38.0
288	121.2	63.0	8.3	47.0	28.5	16.5	13.0	56.0	25.0
289	121.9	63.0	8.3	47.0	23.0	22.0	13.0	56.0	38.0
290	122.5	65.6	8.3	47.0	34.5	16.5	13.0	56.0	25.0
291	122.2	63.6	9.0	47.0	34.5	22.0	13.0	44.0	0.0
292	122.9	63.6	10.0	46.0	37.7	22.0	13.0	56.0	0.0
293	118.6	57.6	14.0	60.0	37.7	16.5	13.0	56.0	13.0
294	117.5	57.6	14.0	62.0	38.0	27.5	13.0	67.0	0.0
295	120.5	58.6	10.0	52.0	49.3	22.0	13.0	56.0	0.0
296	119.5	33.6	5.0	53.0	53.7	16.5	13.0	67.0	38.0
297	121.0	35.0	4.0	54.0	26.3	22.0	13.0	44.0	13.0
298	116.6	37.6	10.7	51.0	30.0	33.5	13.0	56.0	0.0
299	94.8	10.6	10.0	50.0	65.0	44.0	25.0	56.0	0.0
300	114.1	28.0	5.0	43.0	42.3	22.0	13.0	78.0	0.0
301	117.5	28.0	3.3	52.0	49.0	33.0	13.0	56.0	0.0
302	118.9	25.0	3.3	51.0	56.3	33.0	13.0	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
			NOBS:	(41)	(6)	(41)	(20)	(4)	(19)	(6)
303	TCCX-115T-0T		CANADA	2873.5	60.6	101.2	148.5	13.5	9.5	0.3
304	TCCIV-7T-0T		CANADA	2395.5	63.2	101.5	146.9	13.5	8.8	0.0
305	6TA204/T909//BEAVER"S" W705-23W-0W		CANADA	3289.6	57.7	103.4	148.1	12.3	12.1	3.3
306	6TA204/LEO W771-11W-0W		CANADA	3035.8	62.6	101.3	147.9	21.5	12.0	2.7
307	6TA204/LEO W771-19W-0W		CANADA	2807.0	56.2	99.6	146.2	16.7	8.0	0.0
308	AM-2147		USA/ALA.	3011.7	62.5	114.0	165.5	4.0	20.1	5.3
309	AM-2149		USA/ALA.	2442.9	59.9	123.5	169.1	5.0	15.3	7.7
310	TL-4		INDIA	3524.6	63.4	95.4	145.1	7.6	29.2	3.3
311	TL-15		INDIA	3206.8	64.2	89.6	135.7	6.3	26.0	5.7
312	TL-17		INDIA	3183.5	63.8	88.9	135.3	1.3	20.9	15.3
313	TL-21		INDIA	2963.8	62.6	88.0	135.4	8.9	26.0	10.7
314	TL-22		INDIA	3118.6	63.1	89.0	136.9	18.8	25.6	2.8
315	TL-24		INDIA	3337.9	63.6	88.5	135.9	3.9	24.1	4.8
316	TL-29		INDIA	3398.7	64.0	89.7	137.0	5.0	24.1	8.3
317	DTS-138		INDIA	2853.5	65.1	89.1	136.9	9.0	29.7	3.3
318	M2A-CML(BEST SEED TYPE) X8396-D-2Y-0M-100Y-103B-106Y-0Y		MEXICO	3257.1	68.9	88.6	135.9	1.5	5.0	1.5
319	M2A-KLA"S" X12701-9Y-4Y-1M-0Y		MEXICO	3443.9	65.0	90.3	136.4	6.3	7.6	0.0
320	LOCAL CHECK		MEXICO	4502.7	72.2	97.6	142.9	2.7	13.4	0.0

TABLE 2. (CONTINUED)

VTY	PLNT HT	LODG %	SHTR %	1000 G.W.	SEPT TRIT	SEPT NODO	SEPT SPP.	HELM	GERM %
	(45)	(5)	(3)	(1)	(3)	(2)	(1)	(1)	(1)
303	123.4	25.0	3.3	49.0	31.0	33.0	13.0	56.0	0.0
304	107.8	30.0	5.0	49.0	52.7	39.5	13.0	56.0	0.0
305	114.2	39.6	5.0	57.0	45.3	33.0	25.0	56.0	0.0
306	120.7	42.0	5.0	53.0	49.3	33.0	25.0	56.0	0.0
307	114.5	38.6	8.3	58.0	45.3	38.5	25.0	44.0	0.0
308	121.0	21.6	5.0	56.0	14.7	27.5	13.0	56.0	0.0
309	121.6	33.0	6.7	49.0	11.0	27.5	13.0	78.0	0.0
310	99.0	23.6	18.3	51.0	61.3	33.0	13.0	56.0	0.0
311	98.1	18.6	18.3	52.0	56.7	33.0	38.0	56.0	13.0
312	95.7	25.6	20.0	56.0	60.3	38.5	75.0	56.0	0.0
313	94.8	25.0	20.0	53.0	53.7	33.0	75.0	0.0	0.0
314	97.8	37.6	26.7	54.0	53.3	33.0	63.0	56.0	0.0
315	97.9	30.0	23.3	54.0	53.0	33.0	63.0	56.0	0.0
316	99.0	45.6	23.3	55.0	56.7	33.0	38.0	33.0	0.0
317	92.3	58.6	23.3	48.0	54.0	27.5	38.0	56.0	0.0
318	95.3	34.6	20.0	42.0	61.0	22.0	50.0	56.0	0.0
319	94.0	26.6	20.0	48.0	49.0	27.5	25.0	67.0	0.0
320	91.7	16.0	16.7	45.0	89.0	11.0	13.0	----	25.0

TABLE 3. TOP 10 PERCENT OF LINES WITH RESPECT TO AVERAGE YIELD.

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT	STRP RT.L	LEAF RUST	STEM RUST
	NOBS = Number of observations		NOBS:	(41)	(6)	(4)	(19)	(6)
81	M2A-BGL X15490-2Y-4B-1N-0M		MEXICO	4534.2	65.9	1.5	19.5	0.0
102	M2A-UP301 X BGL"S" X16378-2Y-0B-1Y-0M		MEXICO	4533.4	64.4	3.8	6.2	0.0
320	LOCAL CHECK		MEXICO	4502.7	72.2	2.7	13.4	0.0
144	IA-IRA X BUI X12257-1N-0M		MEXICO	4500.7	61.5	2.8	9.4	0.0
10	BEAGLE		MEXICO	4470.7	61.1	2.7	8.9	10.0
256	CAMEL-PATOSEL28		MEXICO	4398.9	63.8	3.7	13.8	0.2
249	BGL-CIN"R" X15674-0N		MEXICO	4373.7	64.3	3.8	24.5	16.8
180	BGL"S"-552 X1530-A-12M-5N-1M-110Y-0M		MEXICO	4368.1	64.1	4.5	4.5	3.3
145	IA-IRA X BUI X12257-2N-0M		MEXICO	4362.1	62.9	2.4	4.8	0.0
47	M2A-IRA X12501-18Y-1Y-6M-0Y		MEXICO	4336.2	62.8	0.3	20.4	0.2
240	M2A-UP301 X BGL X16378-0N		MEXICO	4325.2	64.4	5.3	8.1	0.2
270	M2A-BGL X1591-0N		MEXICO	4310.9	60.9	3.4	23.0	26.7
83	M2A-ARM."S" X BGL X15733-1N-0M		MEXICO	4263.6	65.5	1.9	5.9	16.5
172	M2A-BGL X15491-1Y-3B-3N-0M		MEXICO	4221.7	63.5	4.0	20.6	20.8
238	M2A-BEAGLE X15490-0N		MEXICO	4218.6	65.8	5.3	22.4	1.8
131	IA-M2A X PI62/BGL"S" X16304-110Y-1M-0Y-0M		MEXICO	4154.8	63.3	4.0	6.6	0.0
195	DRIRA-SORGO X16020-2Y-1B-2N-0M		MEXICO	4133.4	63.0	1.3	10.4	17.5

TABLE 3. (CONTINUED)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT	STRP RT.L	LEAF RUST	STEM RUST
			NOBS=	(41)	(6)	(4)	(19)	(6)
125	M2A-IRA X11960-6M-1Y-1Y-0M		MEXICO	4107.3	66.9	0.3	8.4	3.0
247	BEAGLEEMS-22		MEXICO	4097.8	61.7	4.0	17.6	23.3
189	BGL X TOB-ARM"S" X21542-7N-0M		MEXICO	4054.1	63.9	3.4	14.7	31.0
97	M2A-ZARAGOZA X17034-2N-0M		MEXICO	4052.3	60.5	0.3	7.8	0.0
88	M2A-CAJEME71 X14720-3Y-1Y-0Y		MEXICO	4050.1	64.8	0.3	13.8	5.0
267	CIN-CNO X BGL X16337-0N		MEXICO	4018.0	62.6	21.7	26.1	15.0
242	BEAGLE"S"-7 X1530-A-12M-3Y-3M-1Y-0Y		MEXICO	3998.3	61.4	1.0	7.6	0.2
221	FS1897 0M		MEXICO	3998.1	65.3	0.3	10.4	0.8
177	BGL"S"-19 X1530-A-12M-5N-1M-100Y-0M		MEXICO	3982.3	62.5	4.0	4.9	8.5
50	NACOZARI		MEXICO	3967.9	73.4	20.0	25.2	38.4
28	M2A X2832-29N-4M-6N-2M-0Y-1Y-0Y		MEXICO	3967.8	61.9	0.9	11.9	1.7
113	M2A(2) X11880-50M-1Y-1Y-0M		MEXICO	3964.8	65.7	2.4	6.0	0.3
138	IA-M2A X11060-D-2M-1Y-1Y-0M		MEXICO	3963.4	60.9	0.3	11.1	0.0
184	BGL"S" X TOB-ARM."S" X21542-6N-0M		MEXICO	3962.9	63.0	2.9	9.5	30.[illegible]
165	KLA-M2A X8816-3Y-3M-2Y-0Y		MEXICO	3958.2	63.4	22.6	2.5	15.8
127	IA X1648-8N-3M-0Y-2B-0Y		MEXICO	3955.9	66.6	0.3	10.7	1.8
92	M2A-CAL(UTIQUE) X17063-2N-0M		MEXICO	3955.8	65.2	0.3	24.1	3.1
269	M2A-BGL X15491-0N		MEXICO	3954.1	60.6	6.7	23.1	33.7

Table 4. Lines appearing most often among the 25 highest yielders at 41 locations where yield data were recorded.

Entry	Cross and Pedigree	Number of times present among top 25 lines	Individual sites with (number) where lines appeared among top 25
10	Beagle	15	Tunisia (35), Greece (74), Jordan (104) Brasil (162), Peru (170), Philippines (323), Nepal (324), Egypt (342), Mexico (351), Mexico (132), Syria (363), Bolivia (356), Venezuela (367), Colombua (397), USA (137).
102	M2A-UP301 x Beagle"S" X15378-2Y-0B-1Y-0M	15	Tunisia (35), Turkey (115), Mexico (132), Mexico (351), USA (137), Brasil (162), Peru (302), Peru (170), Chile (299), Venezuela (367), Egypt (342), Ethiopia (183), India (204), India (325), West Germany (394).
81	Delfin "S" X15490-2Y-4B-1N-0M	14	Malawi (16), Poland (80), West Germany (394), Ethiopia (183), Egypt (342), USA (270), USA (137), Mexico (354), Costa Rica (336), Venezuela (367), Peru (302), Chile (299), Brasil (162), Nepal (324).
83	M2A-Arm"S" x Bgl X15733-1N-0M	14	Tunisia (35), Jordan (104), Turkey (115), India (204), Bangladesh (42), Nepal (324), Poland (80), East Germany (389), USA (137), Mexico (132), Venezuela (367), Bolivia (356), Peru (170), Brasil (162),
145	IA-IRA x Bui X12257-2N-0M	14	Tunisia (35), Brangadesh (42), Philippines (323), West Germany (394), USA (270), USA (137), Mexico (129), Mexico (132), Mexico (351), Venezuela (367), Bolivia (356), Peru (302), Chile (299), Brasil (161).
249	Bgl - Cin "R" X15674-0N	14	Korea (64), India (50), Turkey (115), Greece (74), USA (137), USA (270), MExico (129), Mexico (132), Mexico (351), Costa Rica (336), Colombia (397), Bolivia (356), Peru (170), Brasil (161).
195	Drira - Sorgo X16020-2Y-1B-2N-0M	13	Tunisia (35), India (50), India (204), Nepal (324), Iraq (101), Ethiopia (183), South Africa (190), Poland (80), West Germany (394), USA (137), Costa Rica (336), Venezuela (367), Peru (170).
256	Camel - Pato Sel 28	13	Tunisia (35), India (204), India (51), Nepal (324), Poland (80), USA (137), USA (270), Venezuela (367), Colombia (397), Peru (170), Peru (302), Chile (299), Brasil (161).
144	IA-IRA X Bui X12257-1N-0M	12	Malawi (16), Tunisia (35), South Africa (190), Nepal (324), West Germany (394), East Germany (389), USA (137), USA (270), Mexico (132), Mexico (351), Venezuela (367), Bolivia (356).
47	M2A - IRA X12581-18Y-1Y-6M-0Y	11	Malawi (16), Tunisia (35), Ethiopia (193), India (50), India (204), Jordan (104), Greece (74), Canada (121), Mexico (354), Mexico (380), Chile (299).
199	Drira - FAS 204 X21298-2M-0M	11	Ethiopia (103), South Africa (190), Syria (363) Jordan (104), Israel (258), India (50), West Germany (394), USA (137), Venezuela (367), Peru (302).
189	Bgl x Tob - Arm"S" X21542-7N-0M	10	Philippines (323), India (204), Jordan (259), Poland (80), East Germany (389), West Germany (394), Bolivia (356), Peru (302), Brasil (161), Brasil (162).
180	Beagle "S" X1530-A-12M-5N-1M-110Y-0M	10	Egypt (342), South Africa (190), India (325), India (51), Poland (80), USA (270), Mexico (129) Costa Rica (336), Bolivia (356), Peru (302).

20	M2A X2802-38N-3M-3N-0M	9	Egypt (342), Iraq (101), Turkey (115), Israel (258), Jordan (259), Philippines (323), Mexico (129), Peru (170), Brasil (162),
50	Nacozari 76	9	Tunisia (35), Egypt (342), Syria (363), Jordan (259), India (50), India (204), India (51), Bangladesh (42), Mexico (354).
131	IA-M2A x Pi62/Bgl"S" X16304-110Y-1M-0Y-0M	9	Bangladesh (42), East Germany (389), West Germany (394), USA (137), Mexico (132), Costa Rica (336), Peru (302), Chile (299), Brasil (162).
172	M2A - Bgl X15491-1Y-3B-3N-0M	9	South Africa (190), Iraq (101), India (325), Poland (80), USA (270), Mexico (380), Venezuela (367), Peru (302), Brasil (161),
238	Delfin "S" X15490-0N	9	Malawi (16), East Germany (289), West Germany (394), USA (270), Mexico (351), Costa Rica (336), Bolivia (356), Colombia (397), Brasil (161).
240	M2A - UP 301 x Bgl	9	Malawi (16), Tunisia (35), India (325), East Germany (289), USA (137), Colombia (397), Peru (170), Peru (302), Chile (299).
270	M2A - Bgl X15491-0N	9	Tunisia (35), Egypt (342), Jordan (104), Israel (258), India (204), Nepal (324), Philippines (323), West Germany (394), Brasil (161).
27	M2A X2832-24N-6M-6N-0M-100Y-0Y	8	Malawi (16), Ethiopia (183), Syria (363), Nepal (324), Philippines (323), USA (137), Chile (299), Brasil (162).
88	M2A - Cajeme 71 X14720-3Y-1Y-0Y	8	South Africa (190), Israel (258), Turkey (115), India (50), Greece (74), USA (270), Chile (299), Brasil (161),
72	M2A - Cin X12545-102Y-101B-103Y-0Y	8	Malawi (16), Ethiopia (183), Canada (121), USA (270), Mexico (132), Venezuela (367), Chile (299), Brasil (162).
92	M2A - Cal (UTIQUE) X17063-2N-0M	8	Israel (258), Jordan (259), Turkey (115), India (51), Greece (74), Mexico (129), Mexico (354), Peru (170).
97	M2A - Zaragoza X17034-2N-0M	8	Malawi (16), Turkey (115), India (51), India (325), Bangladesh (42), Pakistan (60), Mexico (132), Peru (170).
113	$M2A^2$ X11880-50M-1Y-1Y-0M	8	Tunisia (35), Nepal (324), USA (137), USA (270), Mexico (129), Peru (170), Chile (299), Brasil (161).
133	IA - M2A X11052-C-2M-1Y-1Y-1M-0Y	8	South Africa (190), India (51), Philippines (323), Greece (74), East Germany (289), Venezuela (367), Mexico (351), Mexico (380).
177	Beagle "S" X1530-A-12M-5N-1M-100Y-0M	8	Egypt (342), India (325), Poland (80), West Germany (394), Costa Rica (336), Mexico (132), Bolivia (356), Peru (302).
184	Bgl"S" x Tob - Arm"S" X21542-6N-0M	8	Iraq (101), Syria (363), Nepal (324), West Germany (394), USA (270), Bolivia (356), Peru (302), Brasil (161).
244	Beagle "S" X1530-A-12M-5N-1M-110Y-0M	8	South Africa (190), Jordan (104), India (51), Nepal (324), Poland (80), USA (270), Colombia (397), Peru (170).
267	Cin - Cno x Bgl X16337-0N	8	Egypt (342), Iraq (101), Turkey (115), India (204), USA (137), Bolivia (356), Peru (302), Chile (299).
269	M2A - Bgl X15491-0N	8	Iraq (101), India (204), East Germany (389), West Germany (394), USA (270), Mexico (132), Costa Rica (336), Colombia (397).

TABLE 5. TOP 10 PERCENT OF LINES WITH RESPECT TO TEST WEIGHT.

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT
	NOBS=Number of observations		NOBS:	(41)	(6)
250	COCORIT		MEXICO	2553.0	73.8
200	7CERROS		MEXICO	3091.1	73.5
50	NACOZARI		MEXICO	3967.9	73.4
100	MEXICALI		MEXICO	2658.8	73.1
320	LOCAL CHECK		MEXICO	4502.7	72.2
241	M2A(CHR-BB/CNO"S"-CAL X NAD) X17052-0N		MEXICO	2009.4	70.3
318	M2A-CML(BEST SEED TYPE) X8336-D-2Y-0M-100Y-103B-106Y-0Y		MEXICO	3257.1	68.9
227	CML-PATOSELECTION-454		MEXICO	3485.4	67.8
85	M2A(2)-ARS X CIN X9276-B-1Y-2M-1Y-0Y		MEXICO	3452.1	67.7
157	IRA-BGL X15570-3Y-1B-2N-0M		MEXICO	3803.2	67.4
254	CAMEL-PATOSEL26		MEXICO	3284.8	67.4
272	IA-KOALA X CAL X14920-0N		MEXICO	3744.9	67.3
211	TEJON-IRA X13895-B-100Y-101B-103Y-0Y		MEXICO	3518.9	67.2
212	TEJON-IRA X13895-B-100Y-101B-103Y-1M-0Y		MEXICO	3648.2	67.2
36	M2A-IRA X10906-16M-1Y-1Y-1M-0Y		MEXICO	3117.4	67.0
125	M2A-IRA X11960-6M-1Y-1Y-0M		MEXICO	4107.3	66.9
187	M2A-ARM."S" X BGL X15733-1Y-2R-1N-0M		MEXICO	3933.5	66.8
48	M2A-IRA X12592-C-1Y-1Y-2M-0Y		MEXICO	3179.7	66.8

TABLE 5. (CONTINUED)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	TEST WT
			NOBS:	(41)	(67)
275	IA-KOALA X CAL X14920-0N		MEXICO	3287.3	66.8
127	IA X1648-8N-3M-0Y-2B-0Y		MEXICO	3955.9	66.6
163	IRA(2)-M2A(2) X11308-B-2M-3Y-2Y-4M-0Y		MEXICO	3465.2	66.6
226	CML-PATOSELECTION-453		MEXICO	3529.6	66.5
20	M2A X2802-30N-3M-3N-0M		MEXICO	3916.1	66.4
239	M2A-ARM."S" X BGL X15733-0N		MEXICO	3811.9	66.3
232	IGA X2144-105Y-2M-0N-101Y-0Y		MEXICO	3426.6	66.2
137	IA-M2A X11060-D-2M-1Y-0M		MEXICO	3829.3	66.2
273	IA-KOALA X CAL X14920-0N		MEXICO	3397.9	66.1
276	FS-3927SEL		MEXICO	3240.1	66.1
274	IA-KLA X CAL X14920-0N		MEXICO	3503.6	66.1
7	M2A-TANORI71 X14683-1Y-2Y-0Y		MEXICO	3186.9	66.0
260	CAMEL"S"		MEXICO	3440.4	66.0
133	IA-M2A X11052-C-2M-1Y-1Y-1M-0Y		MEXICO	3754.0	66.0
81	M2A-BGL X15490-2Y-4B-1N-0M		MEXICO	4534.2	65.9
238	M2A-BEAGLE X15490-0N		MEXICO	4218.6	65.8
265	DRIRA-FAS204 X21297-0N		MEXICO	3918.2	65.7
158	IRA-BGL X15570-3Y-1B-3N-0M		MEXICO	3863.4	65.7

TABLE 6. LINES WITH A LOW AVERAGE COEFFICIENT OF INFECTION FOR STRIPE RUST, LEAF RUST AND STEM RUST.

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	STRP RT.L	LEAF RUST	STEM RUST
	NOBS= Number of observations		NOBS:	(41)	(4)	(19)	(6)
86	M2A-CANADA X8208-G-1Y-2M-3Y-0Y		MEXICO	3890.5	1.3	0.9	0.0
211	TEJON-IRA X13895-B-100Y-101B-103Y-0Y		MEXICO	3518.9	0.3	2.0	0.0
219	TOB-CNO"S" X M2A X14455-B-101Y-100B-101Y-0Y		MEXICO	3780.1	0.3	2.4	0.0
218	TOB-CNO"S" X M2A X14455-B-101Y-100B-100Y-0Y		MEXICO	3255.2	0.3	2.4	0.0
208	HEXAFROMOCTO-HEXA X M1A X11240-B-3M-1Y-100Y-0Y		MEXICO	2999.6	0.4	2.5	1.5
220	TOB-CNO"S" X M2A X14455-B-101Y-100B-102Y-0Y		MEXICO	3419.2	0.3	2.7	0.0
133	IA-M2A X11052-C-2M-1Y-1Y-1M-0Y		MEXICO	3754.0	0.3	3.0	1.3
79	M2A-KLA"S" X12725-E-1Y-1Y-7M-0Y		MEXICO	3484.0	2.5	3.1	0.0
146	IRA X2146-7N-7M-1N-2M-0Y-5B-0Y		MEXICO	3275.4	0.3	3.2	0.7
134	IA-M2A X11052-C-2M-1Y-1Y-2M-0Y		MEXICO	3810.7	0.3	3.3	1.7
222	FS8F5 0M-0Y-0BK-1Y-0Y		MEXICO	3696.3	0.3	3.4	0.2
206	OCTOBULK50-IA X15682-100Y-0Y		MEXICO	3117.5	0.3	3.9	1.3
39	M2A-IRA X11923-30M-4Y-3Y-1M-0Y		MEXICO	2707.1	0.5	4.0	0.1
80	M2A-KLA X BRN"S" X10893-A-1M-1Y-0Y		MEXICO	2985.9	1.3	4.0	0.0
120	M2A(2) X12526-A-100Y-100B-101Y-0Y		MEXICO	3133.3	0.3	4.0	0.3
18	M1A-PI62 X17066-1Y-1M-0Y		MEXICO	3727.6	0.3	4.3	0.0

TABLE 6. (CONTINUED)

VTY NO.	VARIETY OR CROSS AND PEDIGPFE	GRAIN	ORIGIN	YIELD KG/HA	STRP RT.L	LEAF RUST	STEM RUST
			NOBS:	(41)	(4)	(19)	(6)
227	CML-PATOSELECTION-454		MEXICO	3485.4	0.3	4.4	0.0
235	M2A X2832-29N-4M-4N-2M-0Y		MEXICO	3725.9	0.3	4.5	0.2
236	M2A 73CT519-A-2W-19W-0Y		MEXICO	3109.8	0.3	4.6	1.8
226	CML-PATOSELECTION-453		MEXICO	3529.6	0.3	4.7	0.0
254	CAMEL-PATOSEL26		MEXICO	3284.8	1.3	4.7	0.0
36	M2A-IRA X10906-16M-1Y-1Y-1M-0Y		MEXICO	3117.4	0.3	4.8	0.1
116	M2A(2) X12517-3Y-1Y-3M-0Y		MEXICO	3495.1	0.3	4.8	0.0
145	IA-IRA X PUI X12257-2N-0M		MEXICO	4362.1	2.4	4.8	0.0
106	M2A-ARM."S" X8266-H-4Y-2M-2Y-0Y		MEXICO	3290.1	2.3	5.0	0.0
318	M2A-CML(BEST SEED TYPE) X8386-D-2Y-0M-100Y-103B-106Y-0Y		MEXICO	3257.1	1.5	5.0	1.5

TABLE 7. ENTRIES WHICH HEADED IN 89 DAYS OR LESS.

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	FLOW DAYS
	NOBS = Number of observations		NOBS:	(41)	(41)
232	IGA X2144-105Y-2M-0N-101Y-0Y		MEXICO	3426.6	86.3
16	M1A X2148-4N-2M-2Y-1M-0Y		MEXICO	3722.4	87.1
29	M2A-IRA X8229-D-3Y-2M-1Y-0Y		MEXICO	2890.9	87.2
35	M2A-IRA X8417-E-1Y-7M-3Y-0Y		MEXICO	3355.1	87.3
161	IRA(2) X8319-A-3Y-1M-0Y		MEXICO	2746.3	87.3
147	IRA-CAL X14600-1Y-0B		MEXICO	2815.8	87.5
163	IRA(2)-M2A(2) X11308-B-2M-3Y-2Y-4M-0Y		MEXICO	3465.2	87.5
127	IA X1648-8N-3M-0Y-2B-0Y		MEXICO	3955.9	87.6
34	M2A-IRA X8417-E-1Y-7M-2Y-0Y		MEXICO	3181.1	87.8
107	M2A(2) X8504-C-2Y-2M-100M-103B-103Y-0Y		MEXICO	3403.5	87.8
156	IRA-M2A X12937-B-1Y-1Y-4M-0Y		MEXICO	3051.0	87.9
142	IA(2) X8436-H-3Y-11M-1Y-0Y		MEXICO	3291.9	87.9
313	TL-21		INDIA	2963.8	88.0
148	IRA-CML X8308-B-1Y-3M-1Y-0Y		MEXICO	3482.5	88.1
140	IA(2) X8436-H-1Y-4M-1Y-0Y		MEXICO	3349.2	88.1
137	IA-M2A X11060-D-2M-1Y-0M		MEXICO	3829.3	88.1

TABLE 7. (CONTINUED)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	FLOW DAYS
			NOBS:	(41)	(41)
98	M2A-FS714 X1284R-A-1Y-4Y-2M-0Y		MEXICO	3178.2	88.3
141	IA(2) X8436-H-3Y-10M-1Y-0Y		MEXICO	3304.0	88.3
153	IRA(2) X8346-B-1Y-1M-1Y-0Y		MEXICO	3082.3	88.3
315	TL-24		INDIA	3337.9	88.5
126	IA X1648-1N-4M-6Y-3M-1Y-0M		MEXICO	3609.4	88.5
224	UM2844		MEXICO	3063.7	88.5
89	M2A X ITA-LEO X15768-100Y-0Y		MEXICO	3279.6	88.5
169	KLA X OCTO-HEXA X7203-3M-1Y-1M-0Y		MEXICO	3458.6	88.6
40	M2A-IRA X11923-37M-1Y-3Y-1M-0Y		MEXICO	3035.9	88.6
155	IRA-M2A X11770-21M-1Y-1Y-4M-0Y		MEXICO	3139.1	88.6
318	M2A-CML(BEST SEED TYPE) X8386-D-2Y-0M-100Y-103B-106Y-0Y		MEXICO	3257.1	88.6
136	IA-M2A X11060-C-4M-1Y-3Y-0M		MEXICO	3591.3	88.6
65	M2A(2)-ARS X CIN X9276-B-1Y-2M-1Y-0Y		MEXICO	3452.1	88.6
162	IRA(2) X8292-C-2Y-2M-1Y-0Y		MEXICO	3265.9	88.7
43	M2A-IRA X12509-12Y-1Y-1M-0Y		MEXICO	3498.7	88.8
103	M2A-ARM."S" X8245-H-3Y-2M-1Y-0Y		MEXICO	3118.6	88.8
201	DRIRA-FS477 X21321-1N-0M		MEXICO	3744.3	88.8
312	TL-17		INDIA	3183.5	88.9

TABLE 7. (CONTINUED)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	FLOW DAYS
			NOBS:	(41)	(41)
92	M2A-CAL(UTIQUE) X17063-2N-0M		MEXICO	3955.8	88.9
233	IGA-IRA X8430-A-2Y-1M-2Y-0Y		MEXICO	2923.5	88.9
314	TL-22		INDIA	3118.6	89.0

TABLE 8. LINES WHICH MATURED IN LESS THAN 136 DAYS.

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	MAT DAYS
	NOBS = Number of observations		NOBS:	(41)	(20)
16	M1A X2148-4N-2M-2Y-1M-0Y		MEXICO	3722.4	133.8
106	M2A-ARM."S" X9266-H-4Y-2M-2Y-0Y		MEXICO	3290.1	134.3
104	M2A-ARM."S" X8266-B-6Y-1M-2Y-0Y		MEXICO	3485.1	134.4
110	M2A(2) X11613-A-2M-1Y-1Y-2M-0Y		MEXICO	3725.6	134.6
142	IA(2) X8436-H-3Y-11M-1Y-0Y		MEXICO	3291.9	134.7
85	M2A(2)-ARS X CIN X9276-B-1Y-2M-1Y-0Y		MEXICO	3452.1	134.9
105	M2A-ARM."S" X8266-H-4Y-2M-1Y-0Y		MEXICO	3620.6	134.9
111	M2A(2) X11613-A-2M-1Y-1Y-4M-0Y		MEXICO	3313.5	134.9
84	M2A-IRA X M2A-CIN X11319-B-7M-1Y-0Y		MEXICO	3219.9	135.0
29	M2A-IRA X8229-D-3Y-2M-1Y-0Y		MEXICO	2890.9	135.0
74	M2A-TANORI71 X14679-15Y-1Y-0Y		MEXICO	3177.4	135.0
50	NACOZARI		MEXICO	3967.9	135.2
107	M2A(2) X8504-C-2Y-2M-100M-103B-103Y-0Y		MEXICO	3403.5	135.2
126	IA X1648-1N-4M-6Y-3M-1Y-0M		MEXICO	3609.4	135.2
161	IRA(2) X8319-A-3Y-1M-0Y		MEXICO	2746.3	135.3
233	IGA-IRA X8430-A-2Y-1M-2Y-0Y		MEXICO	2923.5	135.3

TABLE 8. (CONTINUED)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	MAT DAYS
			NOBS:	(41)	(20)
224	UM2844		MEXICO	3063.7	135.3
312	TL-17		INDIA	3183.5	135.3
150	BACUM		MEXICO	3618.0	135.4
313	TL-21		INDIA	2963.8	135.4
100	MEXICALI		MEXICO	2658.8	135.4
40	M2A-IRA X11923-37M-1Y-3Y-1M-0Y		MEXICO	3035.9	135.5
30	M2A-IRA X8411-B-3Y-2M-1Y-0Y		MEXICO	3433.9	135.5
38	M2A-IRA X11923-30M-1Y-0Y		MEXICO	2553.5	135.6
112	M2A(2) X11634-C-6M-2Y-0Y		MEXICO	3178.7	135.6
98	M2A-FS714 X12848-A-1Y-4Y-2M-0Y		MEXICO	3178.2	135.6
147	IRA-CAL X14600-1Y-0B		MEXICO	2815.8	135.6
200	7CERROS		MEXICO	3091.1	135.6
108	M2A(2) X11613-A-2M-1Y-0Y		MEXICO	3878.6	135.7
311	TL-15		INDIA	3206.8	135.7
31	M2A-IRA X8411-B-3Y-3M-2Y-0Y		MEXICO	2983.8	135.7
153	IRA(2) X8346-B-1Y-1M-1Y-0Y		MEXICO	3082.3	135.8
136	IA-M2A X11060-C-4M-1Y-3Y-0M		MEXICO	3591.3	135.8
148	IRA-CML X8308-B-1Y-3M-1Y-0Y		MEXICO	3482.5	135.8
123	M2A X M2A-CIN X12877-B-3Y-2Y-2M-0Y		MEXICO	3214.7	135.9

TABLE 8. (CONTINUED)

VTY NO.	VARIETY OR CROSS AND PEDIGREE	GRAIN	ORIGIN	YIELD KG/HA	MAT DAYS
			NOBS:	(41)	(20)
170	CIN"S"-M2A X12901-A-1Y-2Y-3M-0Y		MEXICO	2988.4	135.9
114	M2A(2) X11890-A-2M-1Y-0Y		MEXICO	3013.1	135.9
109	M2A(2) X11613-A-2M-1Y-1Y-1M-0Y		MEXICO	3540.3	135.9
34	M2A-IRA X8417-E-1Y-7M-2Y-0Y		MEXICO	3181.1	135.9
315	TL-24		INDIA	3337.9	135.9
318	M2A-CML(BEST SEED TYPE) X8386-D-2Y-0M-100Y-103B-106Y-0Y		MEXICO	3257.1	135.9