

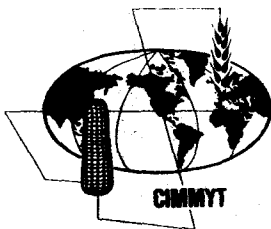
**RESULTS
OF
THE SIXTEENTH
INTERNATIONAL
SPRING
WHEAT
YIELD NURSERY**

ISWYN 1979-80



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

**RESULTS OF THE 16TH
INTERNATIONAL SPRING WHEAT YIELD NURSERY
(ISWYN) 1979 - 1980**



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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 %/o	Fertility percentage	Porcentaje de fertilidad	Fertilité en pourcentage
FLOW DAYS	Number days to flower	Días a floración	Nombre de jours a la floraison
FRST DMGE	Frost damage percentage	Porcentaje de daño por heladas	Dégâts par la gelée en pourcentage
FUS NIV	Fusarium nivale spot	Mancha foliar (Fusarium nivale)	Tache de la feuille (Fusarium nivale)
FUS WILT	Fusarium wilt percentage	Porcentaje de marchitez por Fusarium	Fusarium en pourcentage
GERM %/o	Germination percentage	Porcentaje de germinación	Germination en pourcentage
HAIL DMGE	Hail damage percentage	Porcentaje de daño por granizo	Dégâts 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 %/o	Lodging percentage	Porcentaje de acame	Versé en pourcentage
LSE SMUT	Loose smut percentage	Porcentaje de carbón volador	Charbon nu en pourcentage
MAT DAYS	Number days to maturity	Número de días a la madurez	Nombre de jours à la maturation
MST %/o	Moisture percentage	Porcentaje de humedad	Humidité en pourcentage
NECK BRK	Neck break percentage	Porcentaje de rotura del cuello	Cassure du pédoncule en pourcentage
NET BLOT	Net blotch (0-9 scale)	Mancha reticular (escala 0-9)	Helminthosporium de l'orge (échelle 0-9)
PLNT DENS	Plant density (stems/square meter)	Densidad de plantas (tallos/metro cuadrado)	Population des plantes (tiges/mètre 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 %/o	Powdery mildew percentage	Porcentaje de mildiú polvoriento	Oidium en pourcentage
PROT %/o	Protein percentage	Porcentaje de proteína	Protein en pourcentage
ROOT ROT	Root rot percentage	Porcentaje de pudrición de maíz	Putréfaction du maïs en pourcentage
SCAB %/o	Scab percentage	Porcentaje de roña	Fusarium de l'épi en pourcentage
SCLD %/o	Scald percentage	Porcentaje de escaldadura	Rhynchosporium en pourcentage
SDMT INDX	Sedimentation index (cc)	Índice de sedimentación (cc)	Indice de sédimentation (cc)
SEED TYPE	Seed type (L=large, M=medium, S=small)	Tipo de semilla (L=grande, M=mediano, S=pequeño)	Type de grain (L=large, M=moyen, S=petit)
SEPT NODO	Septoria nodorum (0-9 scale)	Septoria nodorum (escala 0-9)	Septoria nodorum (échelle 0-9)
SEPT SPP.	Septoria spp. (0-9 scale)	Septoria spp. (escala 0-9)	Septoria spp. (échelle 0-9)
SEPT TRIT	Septoria tritici (0-9 scale)	Septoria tritici (escala 0-9)	Septoria tritici (échelle 0-9)
SHTR %/o	Shattering percentage	Porcentaje de desgrane	Chute de grains en pourcentage
SMLS SMUT	Semi-loose smut percentage	Porcentaje de carbón semi-volador	Charbon semi-nu en pourcentage
SPOT BLOT	Spot blotch (0-9 scale)	Tizón de la hoja (escala 0-9)	Tache de la feuille (échelle 0-9)
SPOT BLOTCH/HELM SATV	Spot blotch (0-9 scale)	Tizón de la hoja (escala 0-9)	Tache de la feuille (échelle 0-9)
STEM RUST	Stem rust (Cobb scale)	Roya del tallo (escala de Cobb)	Rouille noire (échelle de Cobb)
STRP RT. H	Stripe rust (head) percentage	Porcentaje de roya lineal (espiga)	Rouille jaune sur l'épi en pourcentage
STRP RT. L	Stripe rust (leaf) (Cobb scale)	Roya lineal (hoja) (escala de Cobb)	Rouille jaune sur feuilles (échelle de Cobb)
TEST WT	Test weight (kg/ha)	Peso hectolítrico (kg/ha)	Poids spécifique (kg/ha)
1000 G.W.	1000 grain weight (grams)	Peso de 1000 granos (gramos)	Poids de 1000 grains (grames)
YELL BERR	Yellow berry percentage	Porcentaje de panza blanca	Mitadínage en pourcentage
YIELD KG/HA	Yield kg/ha	Rendimiento kg/ha	Rendement kg/ha

RESULTS OF THE 16TH. INTERNATIONAL SPRING WHEAT YIELD NURSERY (ISWYN) 1979-80

The 16th. International Spring Wheat Yield Nursery (ISWYN) was sent in 1979-1980, to be grown by cooperators in their spring season of 1980. One-hundred thirteen nurseries went to cooperators in 81 countries. The 50 advanced lines and varieties included in the nursery had been chosen from among CIMMYT's best materials and nominations from plant breeders in different parts of the world. All had been grown and observed under a high yield environment with pressure from major diseases on the CIANO Experiment Station in the Yaqui Valley in northwest Mexico. The selected lines thus comprised a collection of the world's best lines or varieties which cooperators could compare under the specific conditions of their own sites. Seed for this international nursery was multiplied in plots on the CIANO Experiment Station, and the seed was cleaned and treated with insecticide and organic fungicide before shipment.

Instructions accompanied the mailing of seeds to each cooperator; the plots sizes, replications and similar procedures were specified. It is recommended that each plot should consist of six 3.0 m rows planted 30 cm apart and that each line should be grown in three replications. However, plot configuration may differ to conform to local equipment. A field book was sent with each nursery set, providing a format for recording data desired by CIMMYT.

Sixty-nine of the cooperators receiving the 16th. ISWYN returned field books reporting performance at their location in time to be included in this report. In receiving and processing the data, CIMMYT assumes that instructions were carried out and that accurate results were reported. We cannot, however, attest to the rigor with which the trials were grown and results were obtained.

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. Some variables are presented for which a limited number of observations were made. The user of these tables should be aware of the importance of the number of locations and the number of observations in interpreting data on a given variable; summary tables for regional and international results specify both for the guidance of the reader.

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. All data provided from *each trial site* are reported in a single table for that site. Each reports latitude and longitude coordinates as supplied by the cooperator. With these points, the reader can determine an exact location and, if desired, relate to it environmental data from other sources.
2. *Regional summaries* of means have been computed from data aggregated from individual sites in several countries grouped by geographic criteria. Each regional table lists the names of all countries and locations from which site data were drawn for that table.
3. *Two international summaries* presenting (a) the variables for which data were reported, by trial site, and (b) the means computed for all sites.

Statistical coefficients^{1/} accompany the trial site data to assist the reader in evaluating and interpreting the data. While we assume accuracy in the data supplied to us, we encourage users of this report to approach specific elements with the reasonable skepticism of their own standard of proof.

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—location coordinates, etc. We ask for feedback of both kinds.

Nominations of lines or varieties for future ISWYNs are always welcomed from breeders. A sample of 200 g of seed will join 150 or more other nominations in PMI plots (*parcela multiplicacion internacional*). Those showing favorable yield, agronomic and disease reaction characteristics will appear in a subsequent international yield nursery. Seed samples should be sent to:

International Wheat Nurseries, CIMMYT
Londres 40, Apdo. Postal 6-641
Mexico 6, D. F., Mexico

^{1/} Details of the statistical analyses (by a computer program called NAP) may be obtained from the Computer Services unit at CIMMYT. The procedure was described in CIMMYT Information Bulletin 40, 13th IBWSN for 1976-77.

TABLE A. Varieties included in the 16th ISWYN 1979-80 with pedigrees and countries of origin

VARIETY OR CROSS AND PEDIGREE		ORIGIN
1	Q.T. 4083	Australia
2	Pima 77	Mexico
3	Chivito	Guatemala
4	Kavko "S"	Turkey/Kenya
5	Sonalika	India
6	Veery "S"	Mexico
7	PK 3563 - Ch 70	Pakistan
8	Zaraguro "S"	Ecuador
9	Titmouse "S"	Mexico
10	Pavon 76	Mexico
11	Pavon "S"	Mexico
12	Romi	Spain
13	Estanzuela Dakaru	Uruguay
14	Inia/Son64-P4160ExSon64	Pakistan
15	Maya 74 "S" -Moncho "S"	Mexico
16	Alondra "S"	Brazil
17	Flicker "S"	Mexico
18	Buck Buck "S"	Mexico
19	Sun 11 B - 15	Australia
20	K 6106.3	Kenya
21	S 331 - Nor 67	India/Lebanon
22	Glenlea	Canada
23	Dougga	Tunisia
24	Klein Chamaco	Argentina
25	Chat "S"	Mexico
26	UP 262	India
27	Chukar "S"	Mexico
28	ANZA	U.S.A.
29	Imuris T79	Mexico
30	Lap 286	Argentina
31	Nacozari 76	Mexico
32	Bittern "S" (durum)	Mexico
33	HD 2172	India
34	Junco "S"	Mexico
35	MN 7086	Australia
36	Antizana	Ecuador
37	Siete Cerros	Mexico
38	Mapache (tcl.)	Mexico
39	Bobwhite "S"	Mexico
40	Abu Ghraib # 3	Iraq
41	Marcos Juarez Inta	Argentina
42	Buck Buck "S"	Mexico
43	Q.T. 4081	Australia
44	Hazera 806/1976	Israel
45	Maipo "S"-PJ62xEmu "S"	Mexico
46	Malabadi	Turkey
47	MAHISSA 18	Spain
48	Heima-Coc75 x Bluejay "S"	Mexico
49	HP 1209	India
50	Local Check	

Table B. Variables reported by locations.

TABLE	CONTINENT	COUNTRY	CITY	VARIABLES INCLUDED*											
1	AFRICA	ALGERIA	CONSTANTINE	1	3	5	7	9	14						
2	AFRICA	ALGERIA	SIDI-BEL-ABBES	1	9										
3	AFRICA	ANGOLA	HUAMBO	1	2	3	4	9	13						
4	AFRICA	EGYPT	BENI-SUEF	1	3	4	7	9	10	11					
5	AFRICA	EGYPT	CAIRO	1	3	7	8	9	10	13					
6	AFRICA	KENYA	RIFT VALLEY	1	2	5									
7	AFRICA	LESOTHO	THABA TSEKA	1	3	4	8	10	11						
8	AFRICA	LIBYA	TRIPOLI	1	2	3	4	9	13						
** 9	AFRICA	MALAWI	NTCHEU	1	2	3	4	7	9	10					
10	AFRICA	MOZAMBIQUE	MAPUTO	1	3	4	7	8	9	10					
11	AFRICA	RHODESIA	SALISBURY	1	3	4	9	10							
12	AFRICA	SENEGAL	REGION DU FEEUVE SENEGAL	1	2	3	4	9	13						
13	AFRICA	SOUTH AFRICA	ORANGE FREE STATE	1	2	3	4	7	8	9	10				
14	AFRICA	SUDAN	GEZIRA	1	3	4	9	13							
15	AFRICA	TANZANIA		1	3	4	5	9	41						
16	AFRICA	TANZANIA	IRINGA	1	2	3	9	10	17	49					
17	ASIA	AFGHANISTAN	JALALABAD	1	3	4	9	10	13	16					
18	ASIA	AFGHANISTAN	KABUL	1	3	4	5	8	9						
19	ASIA	BANGLADESH	ISHURDI-PALUA	1	3	4	7	9	13	41					
20	ASIA	INDIA	DELHI	1	3	4	7	9							
21	ASIA	INDIA	MADHYA PRADESH	1	3	4	7	8	9	13					
22	ASIA	INDIA	PUNJAB	1	3	7	9	13							
23	ASIA	JAPAN	HOKKAIDO	1	2	3	4	7	9	13	14				
24	ASIA	NEPAL	RUPANDEHI	1	3	4	9	13							
25	ASIA	PAKISTAN	N.W.FRONTIER PROV	1	3	4	9	10	13						
26	ASIA	PAKISTAN	PUNJAB	1	3	4	5	7	9	10					
** 27	CARIBBEAN	DOMINICAN REP.	SANTIAGO	1	3	9									
28	CENTRAL AMERICA	COSTA RICA	ALAJUELA	1	3	4	9								
29	CENTRAL AMERICA	COSTA RICA	ALAJUELA	1	3	4									
30	EUROPE	CZECHOSLOVAKIA	CZECHIA	1	3	4	5	8	9	13	14	55			
31	EUROPE	GREECE	THESSALONIKI	1	2	8	9	10	13	14					
32	EUROPE	HUNGARY	MARTONVASAR	1	2	3	4	9	10	13	14				
33	EUROPE	NORWAY	OSLO	1	2	3	9	13	14	55					
34	EUROPE	POLAND	BLONIE	1	2	9	10	13	14	15	16				
35	EUROPE	PORTUGAL	ALENTEJO	1	2	3	4	5	7	8	9	13	14	15	
36	EUROPE	ROMANIA	ILFOV	1	2	7	9	10	13	14					
37	EUROPE	SPAIN	CORDOVA	1	2	3	9	13	14						
38	EUROPE	SPAIN	MADRID	1	2	3	4	5	9	13	14				
39	EUROPE	SWEDEN	LANDSKRONA	1	2	3	9	11	13						
40	MIDDLE EAST	CYPRUS	LAXIA	1	3	9									
41	MIDDLE EAST	IRAQ	BAGHDAD	1	3	4	9	10	13						
42	MIDDLE EAST	ISRAEL	R.D.SDE-GAT	1	2	3	9	10	13	15					
43	MIDDLE EAST	LEBANON	BEKA'A VALLEY	3	4	9									
44	MIDDLE EAST	SYRIA	ALEPPO	1	3	9	25								
45	MIDDLE EAST	TURKEY	IZMIR	1											
46	NORTH AMERICA	CANADA	ALBERTA	1	2	3	4	9	13						
47	NORTH AMERICA	CANADA	MANITOBA	1	2	4	7	8	9	10	13				

Table B. (continued).

48	NORTH AMERICA	CANADA	ONTARIO	1	2	9	10	13	14	16				
49	NORTH AMERICA	MEXICO	EDO DE MEXICO	1	2	3	5	7	9					
50	NORTH AMERICA	MEXICO	EDO DE MEXICO	3	5	9								
51	NORTH AMERICA	MEXICO	GUANAJUATO	1	3	4	5	7	9	10				
52	NORTH AMERICA	MEXICO	SONORA	1	3	7	9							
53	NORTH AMERICA	U.S.A.	CALIFORNIA	1	2	3	4	9	13	15				
54	NORTH AMERICA	U.S.A.	MINNESOTA	1	2	9								
55	NORTH AMERICA	U.S.A.	WASHINGTON	1	2	4	5	7	9	13				
56	OCEANIA	AUSTRALIA	NEW SOUTH WALES	5	7	8								
** 57	OCEANIA	NEW CALEDONIA	BOURAIL	1	9	13								
58	OCEANIA	NEW ZEALAND	MANAWATU	1	3	9	11							
59	SOUTH AMERICA	BOLIVIA	COCHABAMBA	1	3	8	9							
60	SOUTH AMERICA	BOLIVIA	SANTA CRUZ	1	3	4	8	9	10	11				
61	SOUTH AMERICA	BRAZIL	DISTRITO FEDERAL	1	2	3	7	9	13					
62	SOUTH AMERICA	BRAZIL	PANANA	1	2	3	4	7	9	10	13	14		
** 63	SOUTH AMERICA	BRAZIL	PANANA	1	3	4	7	8	9	35	36			
** 64	SOUTH AMERICA	BRAZIL	RIO GRANDE DO SUL	1	3	9								
65	SOUTH AMERICA	CHILE	CHILLAN, NUBLE	1	2	3	5	7	9					
66	SOUTH AMERICA	CHILE	SANTIAGO	1	2	3	5	7	8	9	40			
67	SOUTH AMERICA	ECUADOR	QUITO, PICHINCHA	1	2	3	5	6	9					
68	SOUTH AMERICA	PARAGUAY	CACUPE	1	2	3	7	8	9	13	14			
69	SOUTH AMERICA	PERU	LIMA	1	2	3	4	7	9	10				

*VARIABLE IDENTIFICATIONS

1	YIELD	KG/HA	2	TEST	WT	3	FLOW	DAYS	4	MAT	DAYS	5	STRP	RT.L	6	STRP	RT.H
7	LEAF	RUST	8	STEM	RUST	9	PLMT	HT	10	LODG	%	11	SHTR	%	13	1000	G.W.
14	POWD	%	15	SEPT	TRIT.	16	SEPT	NODO	17	SEPT	SPP.	25	FRST	DMGE	35	SPOT	BLOT
36	SCAB	%	40	BYDV		41	HELM		49	FUS	GRAM	55	PROT	%			

** SITES NOT INCLUDED IN SUMMARY

TABLE C. Grain technology data of the varieties included in the 16 ISWYN, using seed from CIANO, Yaqui Valley Mexico, (1979 - 1980) determined in CIMMYT Wheat Quality Laboratory

VARIETY No.	NAME OF VARIETY	TEST WT KG/HL	PK MINUTES	YIELD %	PROTEIN % IN FLOUR	SEDIMENTATION (cc)	ALVEOGRAM		MIXING TIME MINUTES	MIXIO GRAFIC FORM	LOAF	
							W	P/G			VOLUME	H O
1	Q. T. 4083	80.3	40		12.1	33	179	2.3	1.45	2	795	66.0
2	Pima 77	80.7	36		10.7	25	168	2.5	1.40	2	565	59.8
3	Chivito	76.9	62		10.8	32	201	4.0	2.15	3	845	59.8
4	Kavko "S"	81.1	45	76.4	13.4	35	167	2.8	1.05	1	815	62.4
5	Sonalika	80.5	35	74.4	12.0	31	134	3.4	0.55	1	625	61.0
6	Veery "S"	82.2	100	72.3	11.7	30	199	6.6	1.35	2	805	69.2
7	PK 3563 - Ch 70	83.3	85	76.0	10.4	37	309	7.9	2.35	4	750	69.6
8	Zaraguro "S"	76.7	66	72.4	11.5	36	241	3.7	1.45	2	700	62.9
9	Titmouse "S"	80.3	>120	72.5	11.6	42	355	6.8	2.00	3	735	68.7
10	Pavon 76	82.3	62	71.9	10.6	39	261	6.1	2.20	3	835	70.8
11	Pavon "S"	82.1	>120	71.7	10.6	42	263	6.1	2.20	3	870	73.6
12	Romi	81.6	43	72.1	9.4	37	245	9.0	2.20	3	710	72.7
13	Estanzuela Dakaru	80.5	>120	70.0	11.5	41	281	7.2	2.30	3	840	73.4
14	Inia/Son64-P4160ExSon64	80.8	29	69.5	10.1	26	177	8.3	1.35	2	600	69.3
15	Maya 74 "S"-Moncho "S"	79.5	>120	70.7	11.7	48	399	8.7	3.45	5	860	74.7
16	Alondra "S"	80.9	55	67.9	11.5	31	264	9.9	2.00	2	820	72.4
17	Flicker "S"	80.7	79	72.4	10.9	38	272	5.2	1.35	2	800	64.8
18	Testa T79	78.8	37	69.6	9.4	30	230	9.0	2.15	3	760	72.7
19	Sun 11 B - 15	76.5	94		12.4	49	420	9.2	3.10	5	855	71.3
20	K 6160.3	76.2	101	69.6	12.2	36	219	7.6	1.55	2	815	71.3
21	S 331 - Nor 67	76.9	28	72.1	9.2	20	104	3.4	1.35	2	585	68.4
22	Glenlea	78.7	>120	70.8	13.0	50	668	7.6	4.00	5	875	71.8
23	Dougga	80.7	>120	88.5	11.0	43	397	8.3	3.00	4	815	72.1
24	Klein Chamaco	81.4	>120	72.1	11.2	55	427	8.8	3.20	5	795	70.6
25	Chat "S"	80.4	>120	69.5	11.6	43	453	9.6	3.05	3	860	72.7
26	UP 262	81.1	85	71.1	11.9	54	385	4.8	2.05	3	790	69.0
27	Chukar "S"	83.0	>120	68.7	12.6	37	293	5.6	1.40	2	850	69.6
28	ANZA	81.3	39	72.2	9.9	22	161	7.3	1.10	1	545	64.0
29	Imuria T79	77.2	42	68.7	10.0	27	160	5.9	1.35	2	680	59.3
30	Lap 286	70.8	>120	88.0	13.5	54	514	4.4	4.30	6	925	66.4
31	Nacozari 76	80.4	40	69.3	10.2	35	211	5.9	2.10	2	700	69.3
32	Bittern "S" (durum)	83.0	29	58.6	10.2	18	114	13.7	1.55	2	425	73.3
33	HD 2172	80.4	38	70.1	8.3	36	176	6.4	2.20	3	715	66.6
34	Junco "S"	79.8	110	73.1	10.3	37	214	2.5	2.40	3	875	58.3
35	MN 7066	66.3	>120	67.6	13.7	52	350	3.6	2.00	3	860	62.7
36	Antizana	79.3	79	72.0	11.7	47	311	4.1	2.40	4	770	67.7
37	Siete Cerros	80.9	35	64.9	10.3	34	251	7.5	1.45	2	725	68.3
38	Mapache (tbl.)	64.0	34	55.2	9.9	18	71	3.0	0.50	2	720	59.0
39	Bobwhite "S"	81.9	>120	71.7	11.3	33	221	5.3	2.15	3	910	65.4
40	Abu Ghraib # 3	80.7	68	85.0	10.1	37	279	9.7	2.20	3	750	68.3
41	Marcos Juarez Inta	80.3	>120	70.6	11.9	40	311	7.0	2.30	3	885	70.0
42	Buck Buck "S"	77.3	44	67.7	10.2	30	211	8.8	1.55	2	660	70.3
43	Q. T. 4081	80.5	37	69.2	10.6	27	194	5.0	1.30	2	610	65.6
44	Hasera 806/1976	81.0	>120	65.7	11.2	47	Tenaz		3.10	5	825	72.1
45	Maipo "S"-PJ62xEmu "S"	79.8	>120	70.1	11.0	41	345	7.5	3.20	4	825	69.1
46	Malabadi	80.0	41	72.2	10.5	27	129	1.9	1.30	2	575	59.6
47	MAHISSA 16	78.5	92	70.2	10.3	30	239	2.4	3.15	6	780	59.3
48	Heima-Coc75 x Bluejay "S"	80.3	38	68.3	10.1	29	171	6.9	1.30	2	675	60.3
49	HP 1209	80.7	46	65.1	11.4	35	179	6.7	1.15	2	750	70.3
50	Local Check Nacozari 76	80.0	36	71.2	10.1	36	215	5.9	1.45	2	600	69.8

EL KHROUB

CEREAL STAFF

LATITUDE 036 16'N

DATE PLANTED 11/27/79

NITROGEN

APPLIED

LONGITUDE 006 42'E

DATE HARVESTED 7/10/80

PHOSPHORUS

APPLIED

ELEVATION 0640 M.ABOVE S.L.

AMOUNT OF MOISTURE 501 MM

POTASSIUM

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION POOR.

NEGLECTIBLE DISEASE DEVELOPMENT. NEGLECTIBLE INSECT DAMAGE. SERIOUS WEED PROBLEM.

MODERATE BIRD DAMAGE. CHEMICAL CONTROL OF WEEDS. LOCAL CHECK: MAHON DEMIAS

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	STRP RT.L	LEAF RUST	PLNT HT	POWD %
11	PAVON "S"	MEXICO	6655	154	----	----	100	13
40	ABU GHRAIB # 3	IRAQ	6544	151	----	----	100	25
31	NACQZARI 76	MEXICO	6160	153	----	----	90	0
15	MAYA 74"S"-MONCHO "S"	MEXICO	5899	154	----	----	90	-
42	BUCK BUCK "S"	MEXICO	5883	156	----	----	90	-
7	PK 3563 - CH 70	PAKISTAN	5811	154	10MS	----	100	13
23	DOUGGA	TUNISIA	5777	154	----	----	90	13
34	JUMCO "S"	MEXICO	5748	151	30MR	----	110	25
33	HD 2172	INDIA	5599	156	----	----	95	0
2	PIMA 77	MEXICO	5572	156	----	----	105	25
5	SONALIKA	INDIA	5544	148	----	----	105	0
46	MALABADI	TURKEY	5461	152	10MR	----	95	25
43	Q. T. 4081	AUSTRALIA	5372	153	----	----	90	0
21	S 331 - NOR 67	LEBANON	5366	157	----	----	115	-
6	VEERY "S"	MEXICO	5344	152	----	----	90	-
47	MAHISSA 18	SPAIN	5227	156	10MR	----	100	25
44	HAZERA 806/1976	ISRAEL	5207	153	30MR	----	90	38
41	MARCOS JUAREZ INTA	ARGENTINA	5205	153	20MS	----	90	-
28	ANZA	U.S.A.	5205	152	----	----	95	50
17	FLICKER "S"	MEXICO	5177	157	----	----	80	-
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	5122	153	----	----	95	-
36	AMTIZAMA	ECUADOR	5055	152	----	----	93	25
16	ALONDRA "S"	MEX/BRAZ	5033	153	----	----	90	-
3	CHIVITO	GUATEMALA	5016	152	----	----	110	25
27	CHUKAR "S"	MEXICO	4966	156	10MS	----	95	13
8	ZARAGURO "S"	ECUADOR	4950	150	----	----	100	-
29	IMURIS T79	MEXICO	4894	154	----	----	90	-
18	BUCK BUCK "S"	MEXICO	4877	158	----	----	80	-
24	KLEIN CHAMACO	ARGENTINA	4872	152	----	----	110	-
38	MAPACHE (TCL.)	MEXICO	4777	146	----	----	110	-
30	LAP 286	ARGENTINA	4744	152	----	----	100	25
10	PAVON 76	MEXICO	4644	151	----	----	90	50
39	BOBWHITE "S"	MEXICO ***	4555	156	----	----	95	13
32	BITTERM "S" (DURUM)	MEXICO	4505	156	----	20MR	90	13
22	GLENLEA	CANADA	4474	151	----	----	100	13
12	ROMI	SPAIN	4466	156	----	----	100	-
9	TITMOUSE "S"	MEXICO	4433	152	----	----	80	25
50	LOCAL CHECK		4361	152	----	----	120	38
35	MN 7086	U.S.A.	4266	153	----	20MR	105	-
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	4266	150	----	----	90	25
1	Q. T. 4083	AUSTRALIA	4166	156	----	----	110	13
20	K 6106.3	KENYA	4144	151	----	----	95	-
37	SIETE CERROS	MEXICO	4126	157	----	----	95	25
25	CHAT "S"	MEXICO	3850	159	----	----	105	-
4	KAVKO "S"	KENYA	3700	152	----	----	125	-
14	INIA/SON64-P4160EXSON64	PAKISTAN	3555	153	----	----	100	25
13	ESTANZUELA DAKARU	URUGUAY	3505	151	20MS	----	110	-
26	UP 262	INDIA	3355	154	----	----	105	0
19	SUN 11 B - 15	AUSTRALIA	2883	159	30MS	----	90	0
49	HP 1209	INDIA	2172	152	10MS	----	100	38

GRAND MEAN 4849.8 153.4 11.4 8.0 97.9 19.7
 STANDARD ERROR OF GRAND MEAN 81.6
 COEFFICIENT OF VARIATION AS PC 20.6
 LSD VARIETY MEANS 5 PC 1619.7 5.8

CORRELATIONS

YIELD KG/HA	FLOW DAYS	STRP RT.L	LEAF RUST	PLNT HT	POWD %
	-0.07				
	-0.63	0.28			
	0.00	0.00			
	-0.20	-0.24	-0.14	0.00	
	-0.13	-0.29	-0.53		0.06

SIDI-BEL-ABBES

CEREAL STAFF

LATITUDE 035 08'N

DATE PLANTED --/--/--

NITROGEN --

LONGITUDE 000 41'W

DATE HARVESTED --/--/--

PHOSPHORUS --

ELEVATION 486 M.ABOVE S.L.

AMOUNT OF MOISTURE -- MM

POTASSIUM --

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	PLNT HT
10	BUCK BUCK "S"	MEXICO	5166	80
14	INIA/SON64-P4160EXSON64	PAKISTAN	5033	105
3	CHIVITO	GUATEMALA	5005	90
11	PAVON "S"	MEXICO	4983	105
27	CHUKAR "S"	MEXICO	4905	75
20	K 6106.3	KENYA	4850	90
40	ABU GHRAIB # 3	IRAQ	4844	85
33	HD 2172	INDIA	4838	85
35	MN 7086	U.S.A.	4827	95
12	ROMI	SPAIN	4800	95
2	PIMA 77	MEXICO	4761	85
36	ANTIZANA	ECUADOR	4738	85
5	SONALIKA	INDIA	4694	105
21	S 331 - NOR 67	LEBANON	4688	95
43	Q. T. 4081	AUSTRALIA	4661	85
32	BITTERN "S" (DURUM)	MEXICO	4644	90
31	NACUZARI 76	MEXICO	4644	85
28	ANZA	U.S.A.	4627	80
8	ZARAGURO "S"	ECUADOR	4622	95
41	MARCOS JUAREZ INTA	ARGENTINA	4577	95
4	KAVKO "S"	KENYA	4577	125
46	MALABADI	TURKEY	4577	85
23	DOUGGA	TUNISIA	4561	75
7	PK 3563 - CH 70	PAKISTAN	4550	85
13	ESTANZUELA DAKARU	URUGUAY	4550	115
39	BOBWHITE "S"	MEXICO	4544	85
17	FLICKER "S"	MEXICO	4538	85
30	LAP 206	ARGENTINA	4538	100
16	ALONDRA "S"	MEX/BRAZ	4533	95
26	UP 262	INDIA	4522	85
15	MAYA 74"S"-MONCHO "S"	MEXICO	4466	85
34	JUNCO "S"	MEXICO ***	4438	95
9	TITMOUSE "S"	MEXICO	4438	85
38	MAPACHE (TCL.)	MEXICO	4427	100
22	GLENLEA	CANADA	4416	115
6	VEERY "S"	MEXICO	4377	80
49	HP 1209	INDIA	4377	90
25	CHAT "S"	MEXICO	4322	90
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	4322	90
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	4255	85
10	PAVON 76	MEXICO	4227	100
29	IMURIS T79	MEXICO	4216	75
37	SIETE CERROS	MEXICO	4188	95
1	Q. T. 4083	AUSTRALIA	4188	110
24	KLEIN CHAMACO	ARGENTINA	4133	95
19	SUN 11 B - 15	AUSTRALIA	4122	75
42	BUCK BUCK "S"	MEXICO	4000	80
47	MAHISSA 18	SPAIN	3994	95
44	HAZERA 806/1976	ISRAEL	3950	80
50	LOCAL CHECK		3889	110

GRAND MEAN 4522.9 91.4
 STANDARD ERROR OF GRAND MEAN 28.9
 COEFFICIENT OF VARIATION AS PC 7.8
 LSD VARIETY MEANS 5 PC 573.2

CORRELATIONS

YIELD KG/HA
 PLNT HT -0.03

ESTACAO AGRICOLA DA CHIANGA
CEREAL STAFF

LATITUDE 012 15'S

DATE PLANTED 5/12/80

NITROGEN APPLIED

LONGITUDE 015 50'E

DATE HARVESTED 10/11/80

PHOSPHORUS APPLIED

ELEVATION +01695 M.ABOVE S.L.

AMOUNT OF MOISTURE 48 MM

POTASSIUM APPLIED

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
NEGLIGIBLE DISEASE DEVELOPMENT. NEGLIGIBLE INSECT DAMAGE.
SLIGHT WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.
HAND WEEDING. LOCAL CHECK: HUAMBO

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	PLNT HT	1000 G.W.
42	BUCK BUCK "S"	MEXICO	4027	84	73	123	61	39
6	VEERY "S"	MEXICO	3972	85	75	123	66	37
18	BUCK BUCK "S"	MEXICO	3799	83	68	123	68	34
41	MARCOS JUAREZ INTA	ARGENTINA	3775	84	71	123	75	38
25	CHAT "S"	MEXICO	3701	82	71	122	73	41
29	IMURIS T79	MEXICO	3652	82	71	122	61	38
11	PAVON "S"	MEXICO	3647	84	72	123	76	38
9	TITMOUSE "S"	MEXICO	3600	84	70	123	63	40
19	SUN 11 B - 15	AUSTRALIA	3511	80	72	125	68	43
37	SIETE CERROS	MEXICO	3501	84	71	126	67	33
8	ZARAGURO "S"	ECUADOR	3479	83	73	123	75	32
16	ALONDRA "S"	MEX/BRAZ	3444	80	76	123	76	40
31	MACOZARI 76	MEXICO	3416	83	72	125	69	38
43	Q. T. 4081	AUSTRALIA	3345	85	75	124	62	32
4	KAVKO "S"	KENYA	3224	83	76	124	90	35
23	DOUGGA	TUNISIA	3205	85	75	125	68	38
10	PAVON 76	MEXICO	3181	85	73	123	73	32
20	K 0106.3	KENYA	3151	81	74	128	69	35
14	INIA/SON64-P4160EXSON64	PAKISTAN	3077	85	65	123	68	40
47	MAHIBSA 18	SPAIN	3068	84	66	124	64	33
28	ANZA	U.S.A.	3053	85	73	122	65	35
26	UP 262	INDIA	3040	84	65	122	74	42
38	MAPACHE (TCL.)	MEXICO	3037	73	67	123	84	30
39	BOBWHITE "S"	MEXICO	3036	85	75	124	63	37
44	HAZERA 806/1976	ISRAEL	3028	85	65	123	61	36
50	LOCAL CHECK		2996	84	73	123	89	40
17	FLICKER "S"	MEXICO	2995	85	76	123	63	47
27	CHUKAR "S"	MEXICO ***	2941	85	72	122	72	38
22	GLENLEA	CANADA	2892	81	75	123	79	41
12	ROMI	SPAIN	2873	86	64	123	69	38
33	HD 2172	INDIA	2857	84	70	125	65	33
7	PK 3563 - CH 70	PAKISTAN	2841	86	75	124	69	37
15	MAYA 74 "S"-MONCHO "S"	MEXICO	2819	85	72	124	65	30
30	LAP 206	ARGENTINA	2784	81	65	120	75	31
13	ESTANZUELA DAKARU	URUGUAY	2732	84	76	123	86	32
5	SOMALIKA	INDIA	2689	84	57	123	68	51
3	CHIVITO	GUATEMALA	2679	82	75	126	73	40
21	S 331 - NOR 67	LEBANON	2635	82	80	127	68	43
36	ANTIZANA	ECUADOR	2604	82	62	123	63	37
34	JUNCO "S"	MEXICO	2508	83	72	126	72	32
24	KLEIN CHAMACO	ARGENTINA	2459	85	68	123	67	31
46	MALABADI	TURKEY	2455	83	73	123	66	32
48	ABU GHRAIB # 3	IRAQ	2420	85	65	123	59	36
49	HP 1209	INDIA	2395	81	64	123	62	38
45	MAIPO "S"-PJ62XEMU "S"	MEXICO	2313	85	74	123	60	40
48	HEIMA-COC75 X BLUEJAY "S"	MEXICO	2187	84	64	122	57	33
2	PIMA 77	MEXICO	2003	85	75	124	61	30
1	Q. T. 4003	AUSTRALIA	2016	82	75	126	78	42
35	MN 7006	U.S.A.	1988	78	70	123	71	37
32	BITTERN "S" (DURUM)	MEXICO	1287	84	69	123	59	33
GRAND MEAN			2968.5	83.3	70.9	123.7	69.2	36.9
STANDARD ERROR OF GRAND MEAN			43.6	0.0			0.4	0.0
COEFFICIENT OF VARIATION AS PC			18.0	1.0			7.9	0.0
LSD VARIETY MEANS 5 PC			865.0	1.4			8.9	0.0

YIELD KG/HA		CORRELATIONS						
TEST	WT	0.03						
FLOW	DAYS	0.17	0.05					
MAT	DAYS	-0.09	-0.17	0.27				
PLNT	HT	0.17	-0.36	0.26	0.10			
1000	G.W.	0.13	0.04	-0.03	-0.10	0.00		

SIDS

CEREAL STAFF

LATITUDE 029 04'N DATE PLANTED 11/25/79 NITROGEN APPLIED
 LONGITUDE 031 04'E DATE HARVESTED 5/14/79 PHOSPHORUS APPLIED
 ELEVATION M. ABOVE S.L. AMOUNT OF MOISTURE -- MM POTASSIUM --

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION GOOD.
 NEGLIGIBLE DISEASE DEVELOPMENT. NEGLIGIBLE INSECT DAMAGE.
 NO WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.
 HAND WEEDING. LOCAL CHECK NAME NOT REPORTED.

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	LEAF RUST	PLNT HT	LODG %	SHTR %
32	BITTERN "S" (DURUM)	MEXICO	6316	103	150	5MR	103	20	0
23	DOUGGA	TUNISIA	5855	113	153	----	112	27	10
40	ABU GHRAIB # 3	IRAQ	5688	99	148	----	113	40	3
31	NACQZARI 76	MEXICO	5649	107	149	40MS	102	30	10
10	PAVON 76	MEXICO	5577	110	151	----	108	60	15
41	MARCOS JUAREZ INTA	ARGENTINA	5488	105	146	----	117	55	20
6	VEERY "S"	MEXICO	5355	112	150	----	108	10	5
37	SIETE CERROS	MEXICO	5194	110	151	20MS	115	67	8
29	IMURIS T79	MEXICO	5038	100	153	----	107	-	10
50	LOCAL CHECK		5027	102	149	40MS-S	115	-	8
38	MAPACHE (TCL.)	MEXICO	5005	101	147	---	125	-	5
15	MAYA 74"S"-MONCHO "S"	MEXICO	4800	107	148	----	112	35	8
2	PIMA 77	MEXICO	4772	110	151	5MR	103	90	3
27	CHUKAR "S"	MEXICO	4722	105	148	5MR	102	-	10
46	MALABADI	TURKEY	4705	107	151	10MS	107	-	5
35	MN 7086	U.S.A.	4677	116	153	----	117	27	3
43	Q. T. 4081	AUSTRALIA	4655	108	149	----	110	95	23
39	BOBWHITE "S"	MEXICO	4588	107	149	----	113	-	18
14	INIA/SON64-P4160EXSON64	PAKISTAN	4577	103	148	----	117	-	23
28	ANZA	U.S.A.	4527	111	153	----	98	-	10
7	PK 3563 - CH 70	PAKISTAN	4522	109	153	5MR	117	25	8
12	ROM1	SPAIN ***	4466	99	148	5MS	118	90	35
5	SONALIKA	INDIA	4422	95	145	----	110	95	5
36	ANTIZANA	ECUADOR	4394	99	144	5MS	125	65	8
42	BUCK BUCK "S"	MEXICO	4372	108	152	----	97	73	8
24	KLEIN CHAMACO	ARGENTINA	4366	106	146	10MR	123	67	35
33	HD 2172	INDIA	4233	105	149	----	112	90	3
18	BUCK BUCK "S"	MEXICO	4233	106	152	5MR	98	35	23
47	MAHISSA 18	SPAIN	4200	107	151	10MS	123	-	8
16	ALONDRA "S"	MEX/BRAZ	4188	109	151	----	115	63	15
19	SUN 11 B - 15	AUSTRALIA	4183	102	145	----	113	67	15
9	TITMOUSE "S"	MEXICO	4177	107	149	5MR	103	20	18
30	LAP 286	ARGENTINA	4172	118	153	5MR	115	50	0
21	S 331 - NOR 67	LEBANON	4127	113	151	----	127	45	13
17	FLICKER "S"	MEXICO	4094	111	149	5MR	117	37	8
26	UP 262	INDIA	4094	99	146	5MR	117	80	5
11	PAVON "S"	MEXICO	3927	107	150	----	108	20	8
8	ZARAGURO "S"	ECUADOR	3905	116	150	----	112	100	35
3	CHIVITO	GUATEMALA	3905	112	152	----	123	50	8
34	JUNCO "S"	MEXICO	3872	105	148	----	123	100	13
44	HAZERA 806/1976	ISRAEL	3822	106	148	----	102	20	15
25	CHAT "S"	MEXICO	3766	111	149	----	110	-	5
49	HP 1209	INDIA	3716	101	145	----	108	65	5
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	3611	105	148	----	97	-	8
20	K 6106.3	KENYA	3444	105	151	----	115	57	3
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3350	106	147	5MS	110	60	45
13	ESTANZUELA DAKARU	URUGUAY	3244	109	151	10MS	133	40	3
1	Q. T. 4083	AUSTRALIA	2628	113	152	----	120	75	0
4	KAVKO "S"	KENYA	2305	113	148	----	142	20	13
22	GLENLEA	CANADA	1950	107	148	----	138	60	25

GRAND MEAN 4358.1 107.1 149.3 7.5 113.5 55.3 11.5
 STANDARD ERROR OF GRAND MEAN 74.3
 COEFFICIENT OF VARIATION AS PC 20.9
 LSD VARIETY MEANS 5 PC 1474.3

CORRELATIONS

YIELD KG/HA	FLOW DAYS	MAT DAYS	LEAF RUST	PLNT HT	LODG %	SHTR %
		-0.15				
		0.11	0.70			
		0.33	-0.09	0.00		
		-0.45	0.08	-0.17	-0.02	
		-0.19	-0.29	-0.30	-0.08	0.06
		-0.17	-0.05	-0.26	-0.16	0.08 0.26

EL GEMMEIZA
CEREAL STAFF

LATITUDE 030 15'N

DATE PLANTED 11/23/79

NITROGEN APPLIED

LONGITUDE 031 13'E

DATE HARVESTED 5/28/80

PHOSPHORUS APPLIED

ELEVATION 0021 M.ABOVE S.L. AMOUNT OF MOISTURE -- MM

POTASSIUM --

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION GOOD.
 SERIOUS DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. SLIGHT WEED PROBLEM.
 NEGLIGIBLE BIRD DAMAGE. WEATHER NORMAL. HAND WEEDING.
 LOCAL CHECK: SAKHA 69

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	LEAF RUST	STEM RUST	PLNT HT	LODG %	1000 G.W.
38	MAPACHE (TCL.)	MEXICO	8200	103	0	TS	125	0	42
10	PAVON 76	MEXICO	7833	110	TMR	10S	114	0	41
39	BOBNWHITE "S"	MEXICO	7667	113	0	0	118	30	35
11	PAVON "S"	MEXICO	7667	110	TMR	5S	117	0	41
31	NACCOZARI 76	MEXICO	7667	108	T-5S	5S	117	0	41
40	ABU GHRAIB # 3	IRAQ	7217	107	20S	20S	112	0	35
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	7183	103	0	20S	109	0	45
7	PK 3563 - CH 70	PAKISTAN	7150	113	TMR-MS	20S	121	0	43
6	VEERY "S"	MEXICO	7000	112	0	0	110	0	40
27	CHUKAR "S"	MEXICO	6967	103	0	0	115	0	45
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	6933	109	0	TS	115	10	50
15	MAYA 74"S"-MONCHO "S"	MEXICO	6833	105	0	10S	113	0	48
21	S 331 - NOR 67	LEBANON	6800	114	0	0	133	0	35
46	MALABADI	TURKEY	6800	111	TMR-MS	5S	106	10	36
18	BUCK BUCK "S"	MEXICO	6767	107	TMR-MS	5S	108	20	40
34	JUNCO "S"	MEXICO	6750	103	0	T-5S	126	0	44
42	BUCK BUCK "S"	MEXICO	6717	112	0	60S	105	10	41
35	MN 7086	U.S.A.	6700	104	0	5MS-S	130	0	30
33	HD 2172	INDIA	6700	108	0	10S	121	0	43
29	IMURIS T79	MEXICO	6633	108	0	5MS-S	100	0	41
2	PIMA 77	MEXICO	6583	108	TMS	0	115	0	36
47	MAHISSA 18	SPAIN	6533	111	5S	20S	117	0	39
3	CHIVITO	GUATEMALA	6467	112	30R	TMS	129	10	44
26	UP 262	INDIA	6467	97	30S	10S	120	15	52
14	INIA/SON64-P4160EXSON64	PAKISTAN	6433	103	0	30S	127	10	43
9	TITMOUSE "S"	MEXICO	6400	107	TMS	10S	110	0	40
13	ESTANZUELA DAKARU	URUGUAY	6367	113	TMR-MS	30S	136	20	36
43	O. T. 4081	AUSTRALIA	6250	114	0	40S	107	30	35
32	BITTERN "S" (DURUM)	MEXICO	6200	106	0	5S	108	0	55
4	KAVKO "S"	KENYA	6183	112	0	5MS	137	20	38
19	SUN 11 B - 15	AUSTRALIA	6150	103	0	20S	120	30	42
24	KLEIN CHAMACO	ARGENTINA	6117	103	T-5S	20S	119	30	36
16	ALONDRA "S"	MEX/BRAZ	6067	110	TMR-MS	10MS-S	120	0	47
20	K 6106.3	KENYA	6050	109	0	TMS	117	20	35
50	LOCAL CHECK		6017	110	0	10S	118	0	42
17	FLICKER "S"	MEXICO	5883	109	TMR-MS	0	118	0	46
49	HP 1209	INDIA	5750	98	0	30S	103	0	52
8	ZARAGURO "S"	ECUADOR	5700	112	0	0	126	0	35
37	SIETE CERROS	MEXICO	5683	110	40-50S	10S	122	0	36
23	DOUGGA	TUNISIA	5600	113	0	TS	118	0	34
36	ANTIZANA	ECUADOR	5433	97	30S	0	116	0	50
25	CHAT "S"	MEXICO	5417	111	0	20MS-S	123	0	43
41	MARCOS JUAREZ INTA	ARGENTINA	5383	110	0	10S	120	15	44
44	HAZERA 806/1976	ISRAEL	5350	109	5MS	10S	108	0	40
5	SONALIKA	INDIA	5267	90	0	0	110	0	54
12	ROMI	SPAIN	5233	102	5-10S	5MS-S	125	0	42
1	O. T. 4083	AUSTRALIA	5083	112	TMR	0	133	5	41
28	ANZA	U.S.A. ***	5033	111	0	TMS	105	0	39
22	GLENLEA	CANADA	4883	108	0	20S	140	30	48
30	LAP 286	ARGENTINA	4800	105	0	30S	125	0	27
GRAND MEAN			6339.3	107.6	3.2	10.6	118.1	6.3	41.3
STANDARD ERROR OF GRAND MEAN			126.0						
COEFFICIENT OF VARIATION AS PC			24.3						
LSD VARIETY MEANS 5 PC			2501.1						

CORRELATIONS

YIELD KG/HA	FLOW DAYS	LEAF RUST	STEM RUST	PLNT HT	LODG %	1000 G.W.	
		0.13					
		-0.12	-0.24				
		-0.06	0.05	-0.04			
		-0.16	0.16	0.03	-0.11		
		-0.05	0.12	-0.08	0.28	0.21	
		-0.05	-0.51	0.07	-0.09	-0.20	-0.13

NJORO

CEREAL STAFF

LATITUDE 000 00'S

DATE PLANTED 5/14/80

NITROGEN

APPLIED

LONGITUDE 036 00'E

DATE HARVESTED 18/ 9/80

PHOSPHORUS

APPLIED

ELEVATION 2165 M.ABOVE S.L.

AMOUNT OF MOISTURE 240 MM

POTASSIUM

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 MODERATE DISEASE INCIDENCE. SERIOUS INSECT DAMAGE. SLIGHT WEED PROBLEM.
 NEGLIGIBLE BIRD DAMAGE. HAND WEEDING. CHEMICAL CONTROL OF WEEDS.
 CHEMICAL CONTROL OF INSECTS. LOCAL CHECK: K.NIAGUMI

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	STRP RT.L
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	3866	79	0
18	BUCK BUCK "S"	MEXICO	3861	78	5S
36	ANTIZANA	ECUADOR	3822	79	0
24	KLEIN CHAMACO	ARGENTINA	3811	83	10S
8	ZARAGURO "S"	ECUADOR	3772	76	0
33	RD 2172	INDIA	3683	79	0
12	ROMI	SPAIN	3633	79	20S
34	JUNCO "S"	MEXICO	3622	77	30S
9	TITMOUSE "S"	MEXICO	3611	77	TMS
14	INIA/SON64-P4160EXSON64	PAKISTAN	3566	76	20S
15	MAYA 74"S"-MONCHO "S"	MEXICO	3489	77	5MS
7	PK 3563 - CH 70	PAKISTAN	3355	81	20S
4	KAVKO "S"	KENYA	3355	81	0
11	PAVON "S"	MEXICO	3283	78	10S
6	VEERY "S"	MEXICO	3261	80	TS
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3239	79	0
37	SIETE CERROS	MEXICO	3233	77	20S
10	PAVON 76	MEXICO	3205	80	10S
22	GLENLEA	CANADA	3194	80	5S
39	BOBWHITE "S"	MEXICO	3172	82	TS
2	PIMA 77	MEXICO	3172	75	0
29	IMURIS T79	MEXICO	3166	75	5S
3	CHIVITO	GUATEMALA	3083	77	0
42	BUCK BUCK "S"	MEXICO	3039	78	TS
40	ABU GHRAIB # 3	IRAQ	3033	76	10S
25	CHAT "S"	MEXICO	3027	78	0
30	LAP 286	ARGENTINA	3022	78	30S
46	MALABADI	TURKEY	3016	75	0
16	ALONDRA "S"	MEX/BRAZ	2972	78	5S
31	NACCOZARI 76	MEXICO	2955	75	30S
32	BITTERN "S"(DURUM)	MEXICO	2927	83	5S
5	SONALIKA	INDIA	2916	79	10S
19	SUN 11 B - 15	AUSTRALIA	2905	76	40S
23	DOUGGA	TUNISIA	2905	77	30S
38	MAPACHE (TCL.)	MEXICO	2872	68	0
1	Q. T. 4083	AUSTRALIA	2850	80	TMS
49	HP 1209	INDIA	2766	78	5S
47	MAHISSA 18	SPAIN	2761	72	5S
20	K 6106.3	KENYA	2755	74	5MS
27	CHUKAR "S"	MEXICO	2700	81	50S
13	ESTANZUELA DAKARU	URUGUAY	2700	80	5S
43	Q. T. 4081	AUSTRALIA	2694	78	0
17	FLICKER "S"	MEXICO ***	2666	77	30S
50	LOCAL CHECK		2650	77	TX
21	S 331 - NOR 67	LEBANON	2439	73	40S
26	UP 262	INDIA	2366	76	40S
44	HAZERA 806/1976	ISRAEL	2205	77	30S
35	MN 7086	U.S.A.	2105	77	50S
28	ANZA	U.S.A.	2089	75	40S
41	MARCOS JUAREZ INTA	ARGENTINA	1966	77	10S

GRAND MEAN 3055.1 77.6 14.6
 STANDARD ERROR OF GRAND MEAN 47.3 0.1
 COEFFICIENT OF VARIATION AS PC 19.0 2.1
 LSD VARIETY MEANS 5 PC 938.6 2.7

CORRELATIONS

YIELD KG/HA
 TEST WT 0.30
 STRP RT.L -0.48 -0.16

M.J. PRATT

CEREAL STAFF

LONGITUDE 028 36'E

ELEVATION 2250 M.ABOVE S.L.

DATE PLANTED 12/ 5/79

DATE HARVESTED 4/ 4/80

AMOUNT OF MOISTURE 475 MM

NITROGEN APPLIED

PHOSPHORUS APPLIED

POTASSIUM APPLIED

LATE SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
SLIGHT DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. NO WEED PROBLEM.
MODERATE BIRD DAMAGE. HAND WEEDING.
RAINFALL HIGHER THAN NORMAL. SOME HAIL DAMAGE. 39KENYA SOKKIES

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	STEM RUST	PLNT HT	LODG %	SHTR %
10	PAVON 76	MEXICO	2411	65	114	0	56	20	40
11	PAVON "S"	MEXICO	1920	65	114	5	52	20	40
24	KLEIN CHAMACO	ARGENTINA	1918	65	114	5	64	40	20
5	SONALIKA	INDIA	1910	56	114	5	73	100	60
22	GLENLEA	CANADA	1854	65	114	25	65	40	20
42	BUCK BUCK "S"	MEXICO	1778	65	125	10	59	0	20
6	VEERY "S"	MEXICO	1775	69	114	0	38	0	20
16	ALONDRA "S"	MEX/BRAZ	1774	69	114	0	59	0	40
13	ESTANZUELA DAKARU	URUGUAY	1678	65	114	25	67	0	40
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	1670	65	114	25	45	100	40
41	MARCOS JUAREZ INTA	ARGENTINA	1570	69	125	65	61	0	20
47	MAHISSA 18	SPAIN	1554	65	114	25	46	60	20
36	ANTIZANA	ECUADOR	1553	65	116	0	59	20	20
29	IMURIS T79	MEXICO	1550	65	114	0	45	0	40
15	MAYA 74"S"-MONCHO "S"	MEXICO	1547	65	114	0	50	40	20
46	MALABADI	TURKEY	1515	65	110	5	42	0	20
37	SIETE CERROS	MEXICO	1508	65	114	5	57	0	20
30	LAP 286	ARGENTINA	1485	65	106	0	60	60	40
45	MAIPO"S"-PJ62XEMU"S"	MEXICO ***	1455	65	114	0	40	0	20
44	HAZERA 806/1976	ISRAEL	1431	56	114	0	44	0	40
18	BUCK BUCK "S"	MEXICO	1429	65	114	5	49	60	40
38	MAPACHE (TCL.)	MEXICO	1341	65	114	0	54	0	0
20	K 6106.3	KENYA	1338	65	125	0	57	20	20
1	Q. T. 4003	AUSTRALIA	1319	65	125	5	62	40	20
19	SUN 11 B - 15	AUSTRALIA	1279	65	114	0	34	0	20
26	UP 262	INDIA	1255	65	110	0	51	0	40
3	CHIVITO	GUATEMALA	1218	65	125	0	59	20	20
31	MACOZARI 76	MEXICO	1192	65	106	5	47	0	20
43	Q. T. 4081	AUSTRALIA	1181	65	114	5	58	0	20
35	MN 7086	U.S.A.	1152	69	114	0	60	0	20
49	HP 1209	INDIA	1151	56	106	0	44	0	20
17	FLICKER "S"	MEXICO	1137	69	114	0	53	40	20
9	TITMOUSE "S"	MEXICO	1135	65	110	0	56	0	20
14	INIA/SON64-P4160EXSON64	PAKISTAN	1123	65	110	10	57	20	60
2	PIMA 77	MEXICO	1114	56	106	0	52	80	40
34	JUNCO "S"	MEXICO	1110	65	114	5	69	40	40
21	S 331 - NOR 67	LEBANON	1104	65	110	0	47	-	20
25	CHAT "S"	MEXICO	1085	65	114	0	49	80	40
40	ABU GHRAIB # 3	IRAQ	1061	65	114	25	52	0	20
28	ANZA	U.S.A.	1004	65	110	0	39	0	20
32	BITTERN "S" (DURUM)	MEXICO	1001	65	114	0	43	0	20
33	HD 2172	INDIA	980	65	114	5	47	0	20
12	ROMI	SPAIN	950	65	114	5	48	20	60
50	LOCAL CHECK		947	69	125	25	61	0	40
7	PK 3563 - CH 70	PAKISTAN	933	69	114	5	47	20	20
4	KAVKO "S"	KENYA	928	65	114	0	52	40	40
8	ZARAGURO "S"	ECUADOR	880	72	125	5	58	0	20
23	DOUGGA	TUNISIA	873	69	125	0	33	60	40
39	BOBWHITE "S"	MEXICO	830	65	114	0	50	0	20
27	CHUKAR "S"	MEXICO	724	65	125	0	43	0	20

GRAND MEAN 1332.8 65.1 114.9 6.1 21.2 28.4
STANDARD ERROR OF GRAND MEAN 38.3
COEFFICIENT OF VARIATION AS PC 35.2
LSD VARIETY MEANS 5 PC 759.7

YIELD KG/HA		CORRELATIONS					
FLOW	DAYS	-0.14					
MAT	DAYS	-0.08	0.42				
STEM	RUST	0.18	0.19	0.27			
LODG	%	0.17	-0.27	-0.09	0.03		
SHTR	%	0.12	-0.25	-0.15	0.01	0.45	

TAJOURA

CEREAL STAFF

LATITUDE 032 53'N

DATE PLANTED 11/22/79

NITROGEN APPLIED

LONGITUDE 013 24'E

DATE HARVESTED 5/12/80

PHOSPHORUS APPLIED

ELEVATION 0011 M.ABOVE S.L. AMOUNT OF MOISTURE -- MM

POTASSIUM --

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION POOR.

NEGLIGIBLE INSECT DAMAGE. SLIGHT WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.

CHEMICAL CONTROL OF INSECTS. HAND WEEDING. LOCAL CHECK: MUKHTAR

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	PLNT HT	1000 G.W.
50	LOCAL CHECK		6624	78	111	166	96	51
28	ANZA	U.S.A.	5710	83	104	164	78	44
1	Q. T. 4083	AUSTRALIA	5710	80	111	166	107	50
9	TITMOUSE "S"	MEXICO	5139	78	100	160	85	42
18	BUCK BUCK "S"	MEXICO	5139	83	103	165	78	42
11	PAVON "S"	MEXICO	5025	80	106	165	92	41
8	ZARAGURO "S"	ECUADOR	4911	72	105	160	97	39
38	MAPACHE (TCL.)	MEXICO	4568	68	99	165	97	51
42	BUCK BUCK "S"	MEXICO	4568	80	106	165	77	55
7	PK 3563 - CH 70	PAKISTAN	4568	83	113	160	97	46
37	SIETE CERROS	MEXICO	4454	80	106	165	78	44
13	ESTANZUELA DAKARU	URUGUAY	4454	75	107	166	97	41
29	IMURIS T79	MEXICO	4454	80	105	166	78	48
33	HD 2172	INDIA	4454	80	105	166	79	49
14	INIA/SON64-P4160EXSON64	PAKISTAN	4340	80	94	159	87	49
6	VEERY "S"	MEXICO	4340	80	107	160	87	45
47	MAHISSA 18	SPAIN	4340	75	100	165	83	51
10	PAVON 76	MEXICO	4340	80	104	164	92	44
16	ALONDRA "S"	MEX/BRAZ	4225	80	108	164	87	52
25	CHAT "S"	MEXICO	4111	83	108	166	85	43
19	SUN 11 B - 15	AUSTRALIA	4111	70	98	161	82	49
21	S 331 - NOR 67	LEBANON	4111	78	108	165	90	49
35	MN 7086	U.S.A.	3997	75	131	171	104	33
5	SOMALIKA	INDIA	3997	78	82	160	85	54
24	KLEIN CHAMACO.	ARGENTINA	3883	80	96	165	82	43
3	CHIVITO	GUATEMALA	3883	78	106	165	101	45
4	KAVKO "S"	KENYA	3883	80	102	161	103	45
40	ABU GHRAIB # 3	IRAQ	3883	80	98	160	85	41
17	FLICKER "S"	MEXICO	3883	78	105	162	82	47
44	HAZERA 806/1976	ISRAEL	3883	78	98	155	72	48
46	MALABADI	TURKEY	3883	80	105	162	77	44
30	LAP 286	ARGENTINA	3883	78	125	170	93	36
23	DOUGGA	TUNISIA	3883	83	107	166	82	46
15	MAYA 74"S"-MONCHO "S"	MEXICO	3654	80	99	164	92	51
39	BOBWHITE "S"	MEXICO	3654	77	106	166	88	38
31	NACQZARI 76	MEXICO	3654	78	99	159	84	50
32	BITTERN "S" (DURUM)	MEXICO	3654	80	106	166	73	58
22	GLENLEA	CANADA	3426	75	110	166	95	49
2	PIMA 77	MEXICO	3426	75	105	165	95	39
41	MARCOS JUAREZ INTA	ARGENTINA	3426	80	103	162	90	50
27	CHUKAR "S"	MEXICO	3426	83	100	128	83	51
12	RONI	SPAIN	3312	80	94	163	93	45
43	Q. T. 4081	AUSTRALIA	3312	80	108	166	78	41
34	JUNCO "S"	MEXICO	3083	85	101	166	89	55
26	UP 262	INDIA	3083	83	93	126	83	56
49	HP 1209	INDIA	3083	78	91	157	83	62
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3083	80	105	162	83	53
20	K 6106.3	KENYA	2969	75	106	166	92	43
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	2627	78	97	161	81	53
36	ANTIZANA	ECUADOR	2284	80	89	159	77	55

GRAND MEAN 4035.8 78.6 103.5 162.0 87.1 47.1
 STANDARD ERROR OF GRAND MEAN
 COEFFICIENT OF VARIATION AS PC
 LSD VARIETY MEANS 5 PC

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	PLNT HT	1000 G.W.
	-0.04				
	0.30	-0.05			
	0.25	-0.24	0.43		
	0.21	-0.31	0.40	0.21	
	-0.25	0.17	-0.55	-0.35	-0.33

TSANGANO HILL STATION

CEREAL STAFF

LATITUDE	15 18'S	DATE PLANTED	4/16/80	NITROGEN	APPLIED
LONGITUDE	34 56'E	DATE HARVESTED	10/ 8/80	PHOSPHORUS	APPLIED
ELEVATION	1615 M.ABOVE S.L.	AMOUNT OF MOISTURE	89 MM	POTASSIUM	--

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 NEGLIGIBLE DISEASE DEVELOPMENT. NEGLIGIBLE INSECT DAMAGE.
 SLIGHT WEED PROBLEM. SLIGHT BIRD DAMAGE.
 HAND WEEDING. LOCAL CHECK: KENYA NYATI

THIS SITE NOT INCLUDED IN SUMMARIES

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	LEAF RUST	PLNT HT	LODG %
19	SUN 11 B - 15	AUSTRALIA	1822	80	78	125	0	65	10
28	ANZA	U.S.A.	1800	78	78	125	10MR-MS	58	10
27	CHUKAR "S"	MEXICO	1689	82	85	130	0	61	0
25	CHAT "S"	MEXICO	1578	79	85	130	0	61	0
4	KAVKO "S"	KENYA	1533	78	78	125	0	73	0
26	UP 262	INDIA	1533	80	78	125	0	67	5
42	BUCK BUCK "S"	MEXICO	1444	79	85	130	0	49	5
14	INIA/SOM64-P4160EXSON64	PAKISTAN	1378	78	78	125	0	63	0
31	NACAZARI 76	MEXICO	1355	78	75	-	0	56	0
12	ROMI	SPAIN	1355	77	78	125	5MS-MR	69	0
38	MAPACHE (TCL.)	MEXICO	1311	65	78	125	0	76	0
29	IMURIS T79	MEXICO	1222	76	85	130	0	62	0
16	ALONDRA "S"	MEX/BRAZ	1155	76	90	140	0	61	5
3	CHIVITO	GUATEMALA	1133	76	80	130	0	65	5
23	DOUGGA	TUNISIA	1133	80	85	130	0	56	0
43	Q. T. 4081	AUSTRALIA	1089	79	85	130	0	44	5
24	KLEIN CHAMACO	ARGENTINA	1044	80	78	125	0	58	5
22	GLENLEA	CANADA	1000	78	78	125	0	66	20
17	FLICKER "S"	MEXICO	955	78	85	130	0	53	0
39	BOBWHITE "S"	MEXICO	955	79	85	130	0	62	5
46	MALABADI	TURKEY	867	82	78	125	5MR-MS	56	10
5	SONALIKA	INDIA	800	78	65	115	0	63	15
44	HAZERA 806/1976	ISRAEL	800	79	78	125	0	52	0
1	Q. T. 4083	AUSTRALIA	800	79	108	145	0	69	10
50	LOCAL CHECK		800	77	70	125	0	45	15
47	MAHISSA 18	SPAIN	778	78	78	125	5MR	51	0
13	ESTANZUELA DAKARU	URUGUAY	755	-	85	135	5MR	59	0
7	PK 3563 - CH 70	PAKISTAN	755	-	95	140	0	56	0
11	PAVON "S"	MEXICO	667	-	78	125	0	58	0
18	BUCK BUCK "S"	MEXICO	667	-	85	130	0	54	0
10	PAVON 76	MEXICO	644	-	85	135	0	56	5
0	ZARAGURO "S"	ECUADOR	622	-	85	135	0	62	5
21	S 331 - NOR 67	LEBANON	600	76	85	130	5MR	63	0
35	MN 7086	U.S.A.	533	-	125	-	0	59	0
36	ANTIZANA	ECUADOR	533	-	78	125	0	46	0
37	SIETE CERROS	MEXICO	511	-	80	130	10MS-MR	52	0
2	PIMA 77	MEXICO	511	-	78	125	0	47	10
45	MAIPO "S"-PJ62XEMU "S"	MEXICO	511	-	85	130	0	51	25
15	MAYA 74 "S"-MONCHO "S"	MEXICO	489	-	78	125	0	54	5
30	LAP 286	ARGENTINA	467	-	115	145	0	57	0
6	VEERY "S"	MEXICO	456	-	95	140	0	45	0
32	BITTERN "S" (DURUM)	MEXICO	422	-	-	-	-	44	30
34	JUNCO "S"	MEXICO	422	-	78	125	0	46	0
40	ABU GHRAIB # 3	IRAQ	356	-	78	125	10MS-S	57	10
20	K 6106.3	KENYA	356	-	78	125	0	47	5
41	MARCOS JUAREZ INTA	ARGENTINA	311	-	85	130	0	51	10
33	HD 2172	INDIA	311	-	85	130	0	41	5
9	TITMOUSE "S"	MEXICO	289	-	78	125	0	46	10
48	HEIMA-COC75 X BLUEJAY "S"	MEXICO	244	-	78	125	0	44	0
49	HP 1209	INDIA	22	-	65	115	0	35	0
GRAND MEAN			855.7	77.8	82.9	128.6	0.7	55.6	4.6
STANDARD ERROR OF GRAND MEAN			75.9					1.0	
CDEFFICIENT OF VARIATION AS PC			88.7					18.4	
LSD VARIETY MEANS 5 PC			1527.0					20.6	

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	LEAF RUST	PLNT HT	LODG %
	0.06					
	-0.10	0.06				
	-0.02	0.03	0.77			
	-0.00	0.04	-0.14	-0.12		
	0.64	-0.35	0.14	0.14	0.06	
	-0.12	0.14	-0.16	-0.13	0.05	-0.11

UMBELUZI

CEREAL STAFF

LATITUDE 26 3'S DATE PLANTED 5/27/80
 LONGITUDE 32 32'E DATE HARVESTED 10/30/80
 ELEVATION 12 M.ABOVE S.L. AMOUNT OF MOISTURE 126 MM

NITROGEN APPLIED
 PHOSPHORUS APPLIED
 POTASSIUM APPLIED

LATE SOWING DATE. SOIL DRY AT SOWING. GERMINATION GOOD.
 SERIOUS DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE.
 NO WEED PROBLEM. SLIGHT BIRD DAMAGE.
 HAND WEEDING. LOCAL CHECK: YECORA70

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	LEAF RUST	STEM RUST	PLNT HT	LODG %
31	NACUZARI 76	MEXICO	5143	72	126	32	35	80	85
40	ABU GHRAIB # 3	IRAQ	4933	68	126	18	22	89	95
12	ROMI	SPAIN	4752	68	122	35	14	88	65
10	PAVON 76	MEXICO	4666	79	129	38	10	83	80
39	BOBWITE "S"	MEXICO	4600	82	136	5	12	93	85
47	MAHISSA 18	SPAIN	4457	72	128	33	30	87	85
34	JUNCO "S"	MEXICO	4447	70	125	5	15	92	70
32	BITTERN "S" (DURUM)	MEXICO	4371	71	128	2	0	87	90
17	FLICKER "S"	MEXICO	4362	81	129	50	7	90	65
49	HP 1209	INDIA	4362	65	124	1	85	74	75
5	SONALIKA	INDIA	4295	62	120	77	5	83	65
14	INIA/SON64-P4160EXSON64	PAKISTAN	4286	72	128	78	15	92	70
42	BUCK BUCK "S"	MEXICO	4257	74	135	2	7	78	95
9	TITMOUSE "S"	MEXICO	4152	73	131	0	7	78	80
18	BUCK BUCK "S"	MEXICO ***	4038	75	134	4	40	85	95
4	KAVKO "S"	KENYA	4000	81	136	0	1	110	70
38	MAPACHE (TCL.)	MEXICO	4000	69	122	4	4	112	70
19	SUN 11 B - 15	AUSTRALIA	3933	79	136	8	3	87	75
15	MAYA 74"S"-MONCHO "S"	MEXICO	3933	75	126	16	45	83	70
33	HD 2172	INDIA	3914	76	129	50	4	86	75
44	HAZERA 806/1976	ISRAEL	3895	71	128	32	17	81	95
11	PAVON "S"	MEXICO	3886	76	128	22	4	90	75
36	ANTIZANA	ECUADOR	3885	68	125	3	30	83	65
6	VEERY "S"	MEXICO	3876	83	136	1	7	82	70
37	SIETE CERROS	MEXICO	3866	73	125	80	7	82	70
26	UP 262	INDIA	3828	72	128	42	27	92	75
16	ALONDRA "S"	MEX/BRAZ	3781	81	135	17	25	82	75
25	CHAT "S"	MEXICO	3705	81	135	6	3	95	80
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3657	74	128	1	12	84	70
41	MARCGS JUAREZ INTA	ARGENTINA	3480	77	130	23	20	97	75
29	IMURIS T79	MEXICO	3476	75	134	5	20	78	95
23	DOUGGA	TUNISIA	3466	81	133	7	1	92	80
50	LOCAL CHECK		3433	69	125	60	20	65	80
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	3405	74	130	1	42	82	85
46	MALABADI	TURKEY	3314	75	127	7	65	85	85
24	KLEIN CHAMACO	ARGENTINA	3257	74	125	17	15	95	65
7	PK 3563 - CH 70	PAKISTAN	3074	85	135	27	30	91	65
43	Q. T. 4081	AUSTRALIA	2996	81	132	28	35	81	100
2	PIMA 77	MEXICO	2909	75	126	14	70	82	80
1	Q. T. 4083	AUSTRALIA	2749	82	131	5	3	95	60
27	CHUKAR "S"	MEXICO	2665	83	135	1	7	85	70
20	ANZA	U.S.A.	2444	81	128	50	55	84	90
20	K 6106.3	KENYA	2387	81	136	1	0	93	60
21	S 331 - NOR 67	LEBANON	2357	84	137	18	7	100	75
13	ESTANZUELA DAKARU	URUGUAY	2288	81	137	52	7	110	65
3	CHIVITO	GUATEMALA	2268	81	137	0	25	83	75
22	GLENLEA	CANADA	2240	80	133	27	55	110	75
8	ZARAGURO "S"	ECUADOR	2216	86	137	0	22	90	70
30	LAP 286	ARGENTINA	811	97	147	20	4	94	35
35	MN 7086	U.S.A.	315	103	140	0	5	87	35
GRAND MEAN			3536.6	77.0	130.6	20.3	20.0	88.1	75.1
STANDARD ERROR OF GRAND MEAN			43.1						
COEFFICIENT OF VARIATION AS PC			14.9						
LSD VARIETY MEANS 5 PC			854.8						

CORRELATIONS

YIELD KG/HA	FLOW DAYS	MAT DAYS	LEAF RUST	STEM RUST	PLNT HT	LODG %
		-0.77				
		-0.63	0.86			
		0.15	-0.25	-0.37		
		0.00	-0.24	-0.29	-0.04	
		-0.23	0.27	0.24	-0.06	-0.28
		0.52	-0.48	-0.27	-0.04	0.31 -0.33

GWEBI

CEREAL STAFF

LATITUDE 017 48'S DATE PLANTED 5/13/80
 LONGITUDE 031 15'E DATE HARVESTED 10/30/80
 ELEVATION 1486 M.ABOVE S.L. AMOUNT OF MOISTURE 70 MM

NITROGEN APPLIED
 PHOSPHORUS APPLIED
 POTASSIUM APPLIED

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION GOOD.
 NEGLIGIBLE DISEASE DEVELOPMENT. NEGLIGIBLE INSECT DAMAGE.
 NO WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.
 HAND WEEDING. LOCAL CHECK: GWEBI

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	PLNT HT	LODG %
7	PK 3563 - CH 70	PAKISTAN	9214	80	134	117	-
6	VEERY "S"	MEXICO	8340	90	134	115	-
11	PAVON "S"	MEXICO	8295	84	134	115	-
34	JUNCO "S"	MEXICO	8044	81	134	122	-
28	ANZA	U.S.A.	7970	85	135	102	-
16	ALONDRA "S"	MEX/BRAZ	7881	91	135	122	10
49	HP 1209	INDIA	7836	78	132	113	10
10	PAVON 76	MEXICO	7777	84	134	117	-
50	LOCAL CHECK		7718	74	129	85	-
24	KLEIN CHAMACO	ARGENTINA	7673	79	132	127	5
48	HEIMA-COC75 X BLUEJAY "S"	MEXICO	7658	84	134	100	-
33	HD 2172	INDIA	7570	73	131	110	-
37	SIETE CERROS	MEXICO	7510	81	133	110	-
25	CHAT "S"	MEXICO	7481	87	132	113	-
41	MARCOS JUAREZ INTA	ARGENTINA	7421	84	134	118	10
23	DOUGGA	TUNISIA ***	7377	87	134	110	-
43	Q. T. 4081	AUSTRALIA	7288	86	134	102	8
9	TITMOUSE "S"	MEXICO	7288	83	133	97	-
15	MAYA 74 "S"-MONCHO "S"	MEXICO	7229	85	133	112	-
8	ZARAGURO "S"	ECUADOR	7229	90	135	122	23
30	LAP 286	ARGENTINA	7103	82	136	115	-
35	MN 7086	U.S.A.	7096	89	136	132	30
38	MAPACHE (TCL.)	MEXICO	6992	75	131	133	-
31	NACUZARI 76	MEXICO	6977	82	136	110	-
39	BOBWHITE "S"	MEXICO	6947	88	133	115	-
17	FLICKER "S"	MEXICO	6947	86	132	122	5
36	ANTIZANA	ECUADOR	6918	72	131	112	-
5	SONALIKA	INDIA	6903	71	128	117	-
40	ABU GHRAIB # 3	IRAQ	6888	76	131	103	-
21	S 331 - NOR 67	LEBANON	6844	90	137	127	-
47	MAHISSA 18	SPAIN	6814	81	137	115	-
26	UP 262	INDIA	6799	74	129	123	-
12	ROMI	SPAIN	6770	74	131	117	-
3	CHIVITO	GUATEMALA	6770	90	140	127	-
46	MALABADI	TURKEY	6740	81	132	107	-
1	Q. T. 4083	AUSTRALIA	6725	89	135	132	85
29	IMURIS T79	MEXICO	6696	86	136	97	-
44	HAZERA 806/1976	ISRAEL	6651	77	131	102	-
18	BUCK BUCK "S"	MEXICO	6651	81	135	105	-
45	MAIPO "S"-PJ62XEMU "S"	MEXICO	6399	80	131	112	-
27	CHUKAR "S"	MEXICO	6399	85	134	108	-
2	PIMA 77	MEXICO	6036	80	130	105	-
13	ESTANZUELA DAKARU	URUGUAY	5955	81	132	135	10
32	BITTERN "S" (DURUM)	MEXICO	5940	71	130	98	-
19	SUN 11 B - 15	AUSTRALIA	5851	75	128	122	-
20	K 6106.3	KENYA	5540	85	136	123	60
4	KAVKO "S"	KENYA	5481	89	130	153	20
22	GLENLEA	CANADA	5451	80	129	145	10
42	BUCK BUCK "S"	MEXICO	5333	86	136	95	-
14	INIA/SON64-P4160EXSON64	PAKISTAN	5185	72	130	120	-

GRAND MEAN 6972.0 81.8 133.0 115.0 22.1
 STANDARD ERROR OF GRAND MEAN 74.6 0.5
 COEFFICIENT OF VARIATION AS PC 13.1 5.4
 LSD VARIETY MEANS 5 PC 1481.0 10.1

YIELD KG/HA		CORRELATIONS			
FLOW	DAYS	0.16			
MAT	DAYS	0.24	0.72		
PLNT	HT	-0.22	0.21	-0.03	
LODG	%	-0.32	0.30	0.44	0.17

VILLAGE GUEDE

CEREAL STAFF

LATITUDE 16 30'N

LONGITUDE 14 50'W

ELEVATION 10 M.ABOVE S.L.

DATE PLANTED ---/---/---

DATE HARVESTED ---/---/---

AMOUNT OF MOISTURE 600 MM

NITROGEN APPLIED

PHOSPHORUS APPLIED

POTASSIUM APPLIED

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 NEGLIGIBLE DISEASE DEVELOPMENT. NEGLIGIBLE INSECT DAMAGE. SLIGHT WEED PROBLEM.
 NEGLIGIBLE BIRD DAMAGE. LOCAL CHECK MEXIPAK.

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	PLNT HT	1000 G.W.
7	PK 3563 - CH 70	PAKISTAN	5073	83	68	103	92	39
50	LOCAL CHECK		5055	82	54	92	82	38
33	HD 2172	INDIA	5018	82	62	98	85	39
16	ALONDRA "S"	MEX/BRAZ	4888	80	66	99	94	43
6	VEERY "S"	MEXICO	4882	81	68	102	84	36
10	PAVON 76	MEXICO	4826	82	61	96	89	41
37	SIETE CERROS	MEXICO	4758	79	53	90	88	38
34	JUNCO "S"	MEXICO	4734	82	51	90	95	45
43	Q. T. 4081	AUSTRALIA	4721	81	62	99	75	39
2	PIMA 77	MEXICO	4697	80	53	95	82	41
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	4616	80	61	97	82	38
46	MALABADI	TURKEY	4487	79	56	99	80	38
31	NACUZARI 76	MEXICO	4456	81	53	88	82	42
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	4437	80	55	91	77	38
24	KLEIN CHAMACO	ARGENTINA	4431	80	58	94	93	40
19	SUN 11 B - 15	AUSTRALIA	4425	77	65	98	93	39
39	BOBWHITE "S"	MEXICO	4333	82	66	98	86	39
28	ANZA	U.S.A.	4246	81	56	92	72	40
8	ZARAGURO "S"	ECUADOR	4221	77	69	99	93	39
18	BUCK BUCK "S"	MEXICO	4203	79	55	95	78	39
17	FLICKER "S"	MEXICO	4191	79	73	105	87	40
29	IMURIS T79	MEXICO	4178	79	56	93	76	40
3	CHIVITO	GUATEMALA	4160	78	66	103	97	38
9	TITMOUSE "S"	MEXICO	4129	78	50	91	76	37
11	PAVON "S"	MEXICO	4117	80	61	97	88	44
40	ABU GHRAIB # 3	IRAQ	4110	81	53	90	83	40
41	MARCOS JUAREZ INTA	ARGENTINA	4079	81	65	102	94	41
42	BUCK BUCK "S"	MEXICO	4073	82	56	94	74	41
44	HAZERA 806/1976	ISRAEL	4061	82	49	87	79	41
47	MAHISSA 18	SPAIN	4061	80	51	95	83	38
23	DOUGGA	TUNISIA	4005	80	59	96	82	38
36	ANTIZANA	ECUADOR	3981	81	53	93	87	40
20	K 6106.3	KENYA	3876	78	63	102	89	43
21	S 331 - NOR 67	LEBANON	3789	79	63	99	97	39
49	HP 1209	INDIA ***	3746	80	51	96	78	42
22	GLENLEA	CANADA	3734	78	61	92	112	39
38	MAPACHE (TCL.)	MEXICO	3734	71	56	100	101	37
32	BITTERN "S" (DURUM)	MEXICO	3728	80	73	102	86	39
25	CHAT "S"	MEXICO	3715	80	54	87	79	39
4	KAVKO "S"	KENYA	3666	77	57	89	97	43
1	Q. T. 4083	AUSTRALIA	3499	80	71	99	101	41
27	CHUKAR "S"	MEXICO	3493	80	66	96	80	41
14	INIA/SON64-P4160EXSON64	PAKISTAN	3098	78	51	88	81	43
26	UP 262	INDIA	3043	82	53	88	88	43
12	ROMI	SPAIN	2999	80	49	86	86	41
15	MAYA 74"S"-MONCHO "S"	MEXICO	2969	79	50	89	74	38
13	ESTANZUELA DAKARU	URUGUAY	2938	81	66	101	99	38
30	LAP 286	ARGENTINA	2932	77	93	121	88	37
5	SONALIKA	INDIA	2746	78	44	83	93	46
35	MN 7086	U.S.A.	2154	76	98	122	78	35
GRAND MEAN			4030.2	79.7	60.1	96.1	86.3	39.9
STANDARD ERROR OF GRAND MEAN			53.0	0.2				0.3
COEFFICIENT OF VARIATION AS PC			16.1	2.6				9.5
LSD VARIETY MEANS 5 PC			1051.8	3.4				6.1

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	PLNT HT	1000 G.W.
		0.40			
		-0.20	-0.21		
		-0.12	-0.27	0.93	
		-0.06	-0.27	0.19	0.13
		-0.05	0.23	-0.42	-0.50
					0.17

SENSAKO

CEREAL STAFF

LATITUDE	28 18'S	DATE PLANTED	9/25/79	NITROGEN	APPLIED
LONGITUDE	28 18'E	DATE HARVESTED	1/29/80	PHOSPHORUS	APPLIED
ELEVATION	1631 M.ABOVE S.L.	AMOUNT OF MOISTURE	396 MM	POTASSIUM	APPLIED

LATE SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD. MODERATE DISEASE INCIDENCE. SLIGHT INSECT DAMAGE. SLIGHT WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE. WEATHER NORMAL. CHEMICAL CONTROL OF INSECTS. CHEMICAL CONTROL OF WEEDS. MECHANICAL CONTROL OF WEEDS. HAND WEEDING. LOCAL CHECK: GOURITZ

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	LEAF RUST	STEM RUST	PLNT HT	LODG %
6	VEERY "S"	MEXICO	5100	75	66	103	0	0	80	0
38	MAPACHE (TCL.)	MEXICO	4635	64	59	100	30MR	0	95	0
10	PAVON 76	MEXICO ***	4458	78	61	101	2MR	5S	85	2
11	PAVON "S"	MEXICO	4099	78	61	101	TMR	10S	81	3
17	FLICKER "S"	MEXICO	4031	76	65	102	10MS	0	81	0
34	JUNCO "S"	MEXICO	4021	76	57	100	0-10MS	10S	84	0
35	MN 7086	U.S.A.	3940	76	69	109	0	10S	94	0
15	MAYA 74"S"-MONCHO "S"	MEXICO	3939	76	59	101	10MS	20S	74	0
25	CHAT "S"	MEXICO	3860	77	64	103	2MS	0	78	0
39	BOBWHITE "S"	MEXICO	3825	78	66	102	----	0	86	0
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3735	77	59	99	TMR	0	74	0
36	ANTIZANA	ECUADOR	3716	78	59	99	5S	10S	75	0
5	SONALIKA	INDIA	3703	76	55	100	60S	10S	87	0
33	HD 2172	INDIA	3700	75	61	100	99S	20S	78	0
24	KLEIN CHAMACO	ARGENTINA	3620	78	60	100	90S	10S	88	2
7	PK 3563 - CH 70	PAKISTAN	3612	76	64	100	30MR-TS	50S	83	0
8	ZARAGURO "S"	ECUADOR	3606	71	67	105	5R	10S	93	40
43	Q. T. 4081	AUSTRALIA	3590	76	64	103	5S	10S	70	0
27	CHUKAR "S"	MEXICO	3589	78	66	102	30MS	10S	83	0
1	Q. T. 4083	AUSTRALIA	3584	75	66	105	10MS	5S	94	0
32	BITTERN "S" (DURUM)	MEXICO	3547	79	62	101	30MR	0	69	5
30	LAP 286	ARGENTINA	3539	74	60	101	30S	20S	83	2
42	BUCK BUCK "S"	MEXICO	3516	75	63	106	2MR	50S	70	0
28	ANZA	U.S.A.	3511	74	63	106	60S	80S	74	0
19	SUN 11 B - 15	AUSTRALIA	3470	73	63	98	0-5MS	0	73	7
41	MARCOS JUAREZ INTA	ARGENTINA	3468	75	67	112	10R	50S	92	0
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	3465	76	60	100	10MR-30R	50S	70	0
23	DOUGGA	TUNISIA	3440	76	64	107	20R	20S	76	0
47	MAHISSA 18	SPAIN	3439	72	59	102	20S	60S	73	0
21	S 331 - NOR 67	LEBANON	3409	73	66	108	30R	5S	91	3
22	GLENLEA	CANADA	3400	76	64	101	80S	70S	102	3
26	UP 262	INDIA	3386	78	59	101	99S	60S	84	0
29	IMURIS T79	MEXICO	3371	72	64	107	20MR	40S	74	0
9	TITMOUSE "S"	MEXICO	3324	76	59	98	5MS	10S	72	0
13	ESTANZUELA DAKARU	URUGUAY	3299	76	61	102	20S	50S	97	0
3	CHIVITO	GUATEMALA	3264	72	67	109	10S	TMS	91	2
20	K 6106.3	KENYA	3142	73	62	102	0	0	77	7
31	NACOZARI 76	MEXICO	3124	72	59	101	99S	50S	76	0
16	ALONDRA "S"	MEX/BRAZ	3100	73	67	107	60S	0	93	2
18	BUCK BUCK "S"	MEXICO	3079	75	60	104	50MS	30S	72	0
44	HAZERA 806/1976	ISRAEL	3065	76	58	100	50S	10S	68	0
50	LOCAL CHECK		3054	78	59	103	70S	0	94	0
40	ABU GHRAIB # 3	IRAQ	2965	76	59	101	90S	30S	78	3
46	MALABADI	TURKEY	2835	73	58	101	50S	40S	72	3
4	KAVKO "S"	KENYA	2835	75	61	99	20MS	0	95	0
2	PIMA 77	MEXICO	2583	73	58	100	10MS	40S	74	5
49	HP 1209	INDIA	2463	72	58	100	20S	99S	74	0
14	INIA/SON64-P4160EXSON64	PAKISTAN	2350	71	60	100	90S	40S	72	0
12	ROMI	SPAIN	2267	76	59	100	30MS	10S	76	8
37	SIETE CERROS	MEXICO	2240	70	61	103	99S	10S	75	12
GRAND MEAN			3446.3	75.0	61.8	102.5	27.5	23.2	81.1	2.2
STANDARD ERROR OF GRAND MEAN			24.9	0.1						
COEFFICIENT OF VARIATION AS PC			8.9	1.0						
LSD VARIETY MEANS 5 PC			494.4	1.2						

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	LEAF RUST	STEM RUST	PLNT HT	LODG %
	0.19						
	0.27	0.00					
	0.07	-0.12	0.73				
	-0.43	-0.14	-0.35	-0.17			
	-0.33	-0.16	-0.17	0.17	0.17		
	0.23	-0.05	0.39	0.31	-0.00	-0.21	
	-0.14	-0.27	0.19	0.05	-0.06	-0.14	0.12

GEZIRA RS
CEREALS STAFF
LATITUDE 014 24'N DATE PLANTED 12/ 4/79 NITROGEN --
LONGITUDE 033 29'E DATE HARVESTED --/--/-- PHOSPHORUS --
ELEVATION 0411 M.ABOVE S.L. AMOUNT OF MOISTURE -- MM POTASSIUM --

LATE SOWING DATE. SOIL DRY AT SOWING. GERMINATION GOOD.
NEGLECTIBLE DISEASE DEVELOPMENT. SLIGHT INSECT DAMAGE. NO WEED PROBLEM.
SLIGHT BIRD DAMAGE. CHEMICAL CONTROL OF INSECTS. HAND WEEDING.
WEATHER NORMAL. LOCAL CHECK MEXICANI (BREAD WHEAT)

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	PLNT HT	1000 G.W.
32	BITTERN "S" (DURUM)	MEXICO	2719	55	92	65	39
28	ANZA	U.S.A.	2335	52	89	61	37
19	SUN 11 B - 15	AUSTRALIA	2221	54	91	61	42
17	FLICKER "S"	MEXICO	2158	55	90	63	31
6	VEERY "S"	MEXICO	2066	56	91	59	46
43	Q. T. 4081	AUSTRALIA ***	1916	50	87	55	34
24	KLEIN CHAMACO	ARGENTINA	1844	50	84	61	38
27	CHUKAR "S"	MEXICO	1808	51	87	65	34
25	CHAT "S"	MEXICO	1802	54	88	65	37
7	PK 3563 - CH 70	PAKISTAN	1791	56	92	68	45
33	HD 2172	INDIA	1776	55	93	68	34
2	PIMA 77	MEXICO	1746	49	87	57	39
5	SONALIKA	INDIA	1683	46	86	58	35
39	BOBWHITE "S"	MEXICO	1658	55	89	67	31
38	MAPACHE (TCL.)	MEXICO	1632	49	86	71	29
18	BUCK BUCK "S"	MEXICO	1608	50	88	56	31
41	MARCOS JUAREZ INTA	ARGENTINA	1513	54	89	70	42
36	ANTIZANA	ECUADOR	1511	46	86	56	38
26	UP 262	INDIA	1510	47	86	59	49
46	MALABADI	TURKEY	1509	49	88	61	39
8	ZARAGURO "S"	ECUADOR	1494	55	91	72	28
50	LOCAL CHECK		1484	49	87	52	30
49	HP 1209	INDIA	1483	46	86	50	35
31	NACOZARI 76	MEXICO	1478	49	87	61	32
48	HEIMA-COC75 X BLUEJAY "S"	MEXICO	1473	48	87	50	40
13	ESTANZUELA DAKARU	URUGUAY	1453	57	94	74	33
40	ABU GHRAIB # 3	IRAQ	1411	47	87	58	40
21	S 331 - NOR 67	LEBANON	1407	52	91	69	32
34	JUNCO "S"	MEXICO	1407	50	87	69	35
45	MAIPO "S"-PJ62XEMU "S"	MEXICO	1375	51	88	52	37
37	SIETE CERROS	MEXICO	1363	47	86	61	39
44	HAZERA 806/1976	ISRAEL	1359	46	86	53	30
10	PAVON 76	MEXICO	1358	53	90	63	33
47	MAHISSA 18	SPAIN	1354	46	86	50	30
11	PAVON "S"	MEXICO	1315	53	89	67	46
16	ALONDRA "S"	MEX/BRAZ	1281	57	94	67	39
23	DOUGGA	TUNISIA	1278	51	88	63	29
42	BUCK BUCK "S"	MEXICO	1240	50	87	53	29
20	K 6106.3	KENYA	1209	55	97	64	40
4	KAVKO "S"	KENYA	1181	54	89	81	29
15	MAYA 74 "S"-MONCHO "S"	MEXICO	1171	50	86	58	37
1	Q. T. 4083	AUSTRALIA	1155	55	91	71	48
22	GLENLEA	CANADA	1149	56	91	89	45
9	TITHOUSE "S"	MEXICO	1140	49	88	55	31
29	IMURIS T79	MEXICO	1089	50	88	57	46
14	INIA/SON64-P4160EXSON64	PAKISTAN	1057	47	86	57	49
3	CHIVITO	GUATEMALA	1028	55	92	71	39
12	ROMI	SPAIN	922	46	86	59	28
30	LAP 286	ARGENTINA	817	52	117	62	24
35	MN 7086	U.S.A.	588	51	87	59	39

GRAND MEAN 1486.5 51.2 89.2 62.2 36.5
STANDARD ERROR OF GRAND MEAN 33.4 0.2 0.1
COEFFICIENT OF VARIATION AS PC 27.6 3.8 3.6
LSD VARIETY MEANS 5 PC 663.6 3.8 2.1

CORRELATIONS

YIELD KG/HA	FLOW DAYS	MAT DAYS	PLNT HT	1000 G.W.
		0.22		
		-0.14	0.50	
		-0.03	0.70	0.29
		0.07	0.15	-0.16
				0.09

LYAMUNGU
CEREAL STAFF

LATITUDE	3 14'S	DATE PLANTED	6/18/80	NITROGEN	--
LONGITUDE	37 53'E	DATE HARVESTED	11/ 4/80	PHOSPHORUS	--
ELEVATION	4210 M.ABOVE S.L.	AMOUNT OF MOISTURE	296 MM	POTASSIUM	--

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
MODERATE DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. MODERATE WEED PROBLEM.
NEGLIGIBLE BIRD DAMAGE. HAND WEEDING. CHEMICAL CONTROL OF INSECTS AND WEEDS.
LOCAL CHECK NAME NOT REPORTED.

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	STRP RT.L	PLNT HT	HELM
6	VEERY "S"	MEXICO	4149	85	123	0	73	33
11	PAVON "S"	MEXICO	3562	75	116	0	93	74
16	ALONDRA "S"	MEX/BRAZ ***	3151	84	120	0	88	63
2	PIMA 77	MEXICO	3130	66	111	0	78	74
37	SIETE CERROS	MEXICO	3109	68	111	0	88	82
40	ABU GHRAIB # 3	IRAQ	3108	66	112	20	84	78
13	ESTANZUELA DAKARU	URUGUAY	3028	75	119	13	103	74
7	PK 3563 - CH 70	PAKISTAN	3026	84	123	57	83	74
3	CHIVITO	GUATEMALA	2966	77	120	0	95	74
26	JP 262	INDIA	2951	68	113	50	78	67
10	PAVON 76	MEXICO	2944	75	116	7	84	78
24	KLEIN CHAMACO	ARGENTINA	2881	70	117	7	89	67
29	IMURIS T79	MEXICO	2880	66	112	7	82	74
4	KAVKO "S"	KENYA	2842	68	110	0	106	33
33	HD 2172	INDIA	2815	76	116	0	76	78
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	2797	70	111	0	77	82
34	JUNCO "S"	MEXICO	2795	66	111	10	80	74
14	INIA/SON64-P4160EXSON64	PAKISTAN	2727	66	112	57	83	74
28	ANZA	U.S.A.	2698	75	118	25	73	71
8	ZARAGURO "S"	ECUADOR	2694	83	119	0	100	71
41	MARCOS JUAREZ INTA	ARGENTINA	2603	84	122	53	91	78
1	Q. T. 4083	AUSTRALIA	2585	83	120	0	101	82
19	SUN 11 B - 15	AUSTRALIA	2577	75	117	50	86	82
18	BUCK BUCK "S"	MEXICO	2570	68	111	0	72	67
9	TITMOUSE "S"	MEXICO	2570	66	108	0	79	71
20	K 6106.3	KENYA	2559	70	117	0	99	82
32	BITTERN "S" (DURUM)	MEXICO	2523	76	119	0	71	37
12	ROMI	SPAIN	2516	66	110	0	85	85
46	MALABADI	TURKEY	2512	66	113	0	84	74
25	CHAT "S"	MEXICO	2509	70	111	3	75	74
43	Q. T. 4081	AUSTRALIA	2465	70	116	0	76	82
50	LOCAL CHECK		2451	70	114	7	95	74
22	GLENLEA	CANADA	2449	76	117	0	109	71
31	NACUZARI 76	MEXICO	2440	68	109	10	72	78
39	BOBWHITE "S"	MEXICO	2424	76	117	0	88	74
36	ANTIZANA	ECUADOR	2418	66	111	0	83	70
30	LAP 286	ARGENTINA	2395	85	-	0	-	63
49	HP 1209	INDIA	2392	66	111	13	72	74
23	DOUGGA	TUNISIA	2375	70	115	2	75	78
42	BUCK BUCK "S"	MEXICO	2361	66	114	0	79	78
44	HAZERA 806/1976	ISRAEL	2293	66	109	80	73	74
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	2269	66	111	0	73	78
15	MAYA 74"S"-MONCHO "S"	MEXICO	2186	74	114	7	77	78
5	SONALIKA	INDIA	2156	68	107	30	83	71
47	MAHISSA 18	SPAIN	2085	66	113	23	77	85
38	MAPACHE (TCL.)	MEXICO	2037	68	110	0	101	41
17	FLICKER "S"	MEXICO	2029	84	119	13	80	55
35	MN 7086	U.S.A.	1917	-	-	47	-	74
27	CHUKAR "S"	MEXICO	1681	76	117	17	77	74
21	S 331 - NOR 67	LEBANON	1573	76	117	2	78	82

GRAND MEAN	2603.5	72.3	114.6	12.3	83.8	71.6
STANDARD ERROR OF GRAND MEAN	45.0					
COEFFICIENT OF VARIATION AS PC	21.2					
LSD VARIETY MEANS 5 PC	892.5					

CORRELATIONS						
YIELD KG/HA						
FLOW DAYS	0.17					
MAT DAYS	0.26	0.85				
STRP RT.L	-0.09	-0.00	0.02			
PLNT HT	0.14	0.24	0.24	-0.15		
HELM	-0.22	-0.23	-0.12	0.15	-0.11	

TANGANYIKA WATKE CO.

CEREAL STAFF

LATITUDE	9 17'S	DATE PLANTED	2/20/80	NITROGEN	--
LONGITUDE	34 46'E	DATE HARVESTED	7/18/80	PHOSPHORUS	--
ELEVATION	1900 M.ABOVE S.L.	AMOUNT OF MOISTURE	428 MM	POTASSIUM	--

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION POOR.
SERIOUS DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. NO WEED PROBLEM.
NEGLIGIBLE BIRD DAMAGE. HAND WEEDING. LOCAL CHECK: W3697

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	PLNT HT	LODG %	SEPT SPP.	FUS GRAM
38	MAPACHE (TCL.)	MEXICO	4205	69	56	98	0	100	11
29	IMURIS T79	MEXICO	3893	80	60	75	0	100	0
6	VEERY "S"	MEXICO	3711	78	70	84	0	96	11
28	ANZA	U.S.A.	3677	81	62	72	0	100	4
11	PAVON "S"	MEXICO	3550	81	62	85	0	100	15
3	CHIVITO	GUATEMALA	3473	76	66	92	0	100	7
7	PK 3563 - CH 70	PAKISTAN	3465	80	71	81	0	100	0
39	BOBWHITE "S"	MEXICO ***	3401	81	66	83	0	100	7
25	CHAT "S"	MEXICO	3392	78	61	78	0	100	0
35	MN 7086	U.S.A.	3329	77	89	92	0	89	0
1	Q. T. 4083	AUSTRALIA	3320	78	70	95	0	93	7
17	FLICKER "S"	MEXICO	3319	79	66	81	0	89	4
9	TITHOUSE "S"	MEXICO	3296	80	55	69	0	100	15
33	HD 2172	INDIA	3275	77	66	78	0	100	15
23	DOUGGA	TUNISIA	3220	80	62	75	0	100	11
18	BUCK BUCK "S"	MEXICO	3201	80	58	76	0	100	4
10	PAVON 76	MEXICO	3199	81	62	83	0	100	11
31	NACCOZARI 76	MEXICO	3199	78	56	74	0	100	7
27	CHUKAR "S"	MEXICO	3175	82	68	83	0	96	0
50	LOCAL CHECK		3141	80	66	90	0	100	0
21	S 331 - NOR 67	LEBANON	3070	77	63	87	0	100	7
42	BUCK BUCK "S"	MEXICO	3052	80	59	74	0	100	0
34	JUNCO "S"	MEXICO	2964	78	57	80	0	100	33
8	ZARAGURO "S"	ECUADOR	2883	80	69	95	4	100	26
13	ESTANZUELA DAKARU	URUGUAY	2867	80	68	100	0	100	7
36	ANTIZANA	ECUADOR	2864	79	56	80	0	100	18
16	ALONDRA "S"	MEX/BRAZ	2837	77	73	89	0	89	11
2	PIMA 77	MEXICO	2834	78	56	73	7	100	7
46	MALABADI	TURKEY	2817	77	55	79	18	100	22
43	Q. T. 4081	AUSTRALIA	2759	78	62	69	0	100	7
26	UP 262	INDIA	2757	79	57	82	0	100	15
20	K 6106.3	KENYA	2754	77	62	78	0	100	0
4	KAVKO "S"	KENYA	2679	79	60	101	0	100	11
41	MARCOS JUAREZ INTA	ARGENTINA	2642	79	72	91	0	89	11
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	2607	79	56	63	0	100	11
40	ABU GHRAIB # 3	IRAQ	2605	78	55	78	0	100	18
22	GLENLEA	CANADA	2519	78	68	102	4	100	15
49	HP 1209	INDIA	2485	76	54	70	0	100	11
15	MAYA 74"S"-MONCHO "S"	MEXICO	2475	77	58	72	0	100	11
30	LAP 286	ARGENTINA	2469	75	81	81	0	89	0
37	SIETE CERROS	MEXICO	2309	78	59	71	0	100	7
19	SUN 11 B - 15	AUSTRALIA	2226	77	69	85	4	100	11
24	KLEIN CHAMACO	ARGENTINA	2121	81	61	84	15	100	29
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	2108	79	62	69	7	100	37
44	HAZERA 806/1976	ISRAEL	2069	79	55	63	0	100	4
14	INIA/SON64-P4160EXSON64	PAKISTAN	1837	79	57	76	0	100	11
12	ROMI	SPAIN	1746	76	57	72	26	100	15
5	SONALIKA	INDIA	1558	67	51	76	0	100	4
32	BITTERN "S" (DURUM)	MEXICO	1270	74	65	69	7	100	56
47	MAHISSA 18	SPAIN	901	59	56	69	37	100	59
GRAND MEAN			2830.6	77.7	62.5	80.4	2.6	98.6	12.1
STANDARD ERROR OF GRAND MEAN			33.8						
COEFFICIENT OF VARIATION AS PC			14.6						
LSD VARIETY MEANS 5 PC			671.4						

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	PLNT HT	LODG %	SEPT SPP.	FUS GRAM
	0.47					
		0.23	0.18			
			0.36	0.10	0.51	
				-0.57	-0.54	-0.20
					-0.69	-0.29
						0.15
						-0.57
						-0.43
						-0.21
						-0.17
						0.63
						0.22

SHISHUM BAGH

CEREAL STAFF

LATITUDE 034 25'N

DATE PLANTED 11/26/78

NITROGEN APPLIED

LONGITUDE 070 27'E

DATE HARVESTED 5/15/79

PHOSPHORUS APPLIED

ELEVATION 0552 M.ABOVE S.L. AMOUNT OF MOISTURE -- MM

POTASSIUM --

NORMAL SOWING DATE. GERMINATION GOOD.

DISEASE DEVELOPMENT NOT REPORTED. INSECT DAMAGE NOT REPORTED.

WEED PROBLEMS NOT REPORTED. INSECT, WEED AND BIRD PROBLEMS NOT REPORTED.

LOCAL CHECK:

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	PLNT HT	LODG %	1000 G.W.	SEPT NODO
6	VEERY "S"	MEXICO	4055	123	164	120	0	44	82
47	MAHISSA 18	SPAIN	3977	130	164	120	3	54	0
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	3655	129	164	100	5	47	30
4	KAVKO "S"	KENYA	3555	130	165	142	0	52	37
2	PIMA 77	MEXICO	3500	130	166	115	85	28	33
7	PK 3563 - CH 70	PAKISTAN	3466	132	169	118	20	45	15
14	INIA/SON64-P4160EXSON64	PAKISTAN	3389	127	164	132	10	48	15
38	MAPACHE (TCL.)	MEXICO	3377	128	167	123	0	52	41
18	BUCK BUCK "S"	MEXICO	3311	131	166	115	18	43	26
5	SONALIKA	INDIA	3311	125	162	128	58	52	0
42	BUCK BUCK "S"	MEXICO	3289	131	168	107	64	41	26
46	MALABADI	TURKEY	3272	128	164	118	10	44	11
37	SIETE CERROS	MEXICO	3266	131	166	120	15	52	0
44	HAZERA 806/1976	ISRAEL	3244	129	165	103	20	48	0
3	CHIVITO	GUATEMALA	3233	131	167	118	85	64	37
12	ROMI	SPAIN	3217	122	165	112	20	60	0
50	LOCAL CHECK		3211	129	165	110	40	60	15
39	BOBWHITE "S"	MEXICO	3200	131	166	112	20	41	15
29	IMURIS T79	MEXICO	3166	130	169	110	0	44	48
31	NACQZARI 76	MEXICO ***	3144	131	162	105	25	44	59
32	BITTERN "S" (DURUM)	MEXICO	3033	131	169	107	0	60	52
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3022	131	164	113	15	48	26
36	ANTIZANA	ECUADOR	3011	125	164	117	0	43	15
11	PAVON "S"	MEXICO	2944	123	164	107	20	40	33
25	CHAT "S"	MEXICO	2944	130	145	117	10	52	0
40	ABU GHRAIB # 3	IRAQ	2844	127	166	105	30	40	15
49	HP 1209	INDIA	2833	124	162	115	20	56	22
34	JUNCO "S"	MEXICO	2833	129	165	125	0	48	0
26	UP 262	INDIA	2822	125	163	123	45	44	11
8	ZARAGURO "S"	ECUADOR	2766	129	168	125	35	43	0
33	HD 2172	INDIA	2766	131	168	115	40	52	15
16	ALONDRA "S"	MEX/BRAZ	2761	130	164	118	50	40	0
19	SUN 11 B - 15	AUSTRALIA	2744	128	162	115	25	44	0
27	CHUKAR "S"	MEXICO	2694	128	159	113	0	52	29
9	TITMOUSE "S"	MEXICO	2655	131	165	110	13	44	67
21	S 331 - NOR 67	LEBANON	2611	133	167	125	18	48	0
10	PAVON 76	MEXICO	2611	124	163	107	4	52	37
28	ANZA	U.S.A.	2600	130	170	100	45	36	19
43	O. T. 4081	AUSTRALIA	2555	129	170	108	78	41	30
17	FLICKER "S"	MEXICO	2550	132	165	115	40	42	19
15	MAYA 74"S"-MONCHO "S"	MEXICO	2533	130	165	122	0	48	29
41	MARCOS JUAREZ INTA	ARGENTINA	2478	129	165	117	30	52	0
13	ESTANZUELA DAKARU	URUGUAY	2411	124	167	132	15	44	0
23	DOUGGA	TUNISIA	2400	132	167	123	0	44	15
35	MN 7086	U.S.A.	2233	138	171	132	20	36	0
24	KLEIN CHAMACO	ARGENTINA	2105	129	165	117	45	46	15
22	GLENLEA	CANADA	2011	129	165	137	55	48	0
20	K 6106.3	KENYA	1944	131	167	117	35	50	0
1	O. T. 4083	AUSTRALIA	1600	131	167	133	50	40	26
30	LAP 286	ARGENTINA	1461	131	174	120	20	42	37

GRAND MEAN 2892.3 129.0 165.3 117.1 25.1 46.8 20.0
STANDARD ERROR OF GRAND MEAN 36.9 0.6
COEFFICIENT OF VARIATION AS PC 15.6 5.8
LSD VARIETY MEANS 5 PC 732.4 11.0

CORRELATIONS

YIELD KG/HA	FLOW DAYS	MAT DAYS	PLNT HT	LODG %	1000 G.W.	SEPT NODO
	-0.23					
	-0.23	0.30				
	-0.20	0.09	0.03			
	-0.20	0.12	0.19	-0.05		
	0.20	-0.20	-0.25	0.04	-0.21	
	0.22	-0.06	0.13	-0.29	-0.15	-0.05

DARUL AMAN

CEREAL STAFF

LATITUDE 034 33'N

DATE PLANTED 4/26/80

NITROGEN APPLIED

LONGITUDE 069 12'E

DATE HARVESTED 8/10/80

PHOSPHORUS APPLIED

ELEVATION 1803 M.ABOVE S.L. AMOUNT OF MOISTURE -- MM

POTASSIUM --

LATE SOWING DATE. SOIL MOIST AT SOWING. GERMINATION POOR.

MODERATE DISEASE INCIDENCE. SLIGHT INSECT DAMAGE.

SERIOUS WEED PROBLEM. SERIOUS BIRD DAMAGE.

HAND WEEDING. LOCAL CHECK: H.B-102-100

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	STRP RT.L	STEM RUST	PLNT HT
2	PIMA 77	MEXICO	1317	64	96	15MS	15S	72
33	HD 2172	INDIA	1183	64	93	0	0	74
40	ABU GHRAIB # 3	IRAQ	1175	64	96	25S	0	69
9	TITMOUSE "S"	MEXICO	1150	61	96	15MS	0	64
38	MAPACHE (TCL.)	MEXICO	1133	64	100	0	0	95
24	KLEIN CHAMACO	ARGENTINA	983	69	96	15S	0	73
46	MALABADI	TURKEY	917	69	100	10S	0	72
12	ROMI	SPAIN	867	65	96	65S	0	66
5	SONALIKA	INDIA	867	59	95	70S	10S	72
7	PK 3563 - CH 70	PAKISTAN	800	69	102	75S	10MS	75
32	BITTERN "S" (DURUM)	MEXICO	800	65	96	10MS	10MS	68
8	ZARAGURO "S"	ECUADOR	783	69	102	0	40S	84
20	K 6106.3	KENYA	783	63	96	10MS	0	50
49	HP 1209	INDIA	775	64	100	65S	10MS	72
6	VEERY "S"	MEXICO	750	68	94	0	5MS	65
18	BUCK BUCK "S"	MEXICO	700	64	94	----	0	57
40	HEIMA-COC75 X BLUEJAY"S"	MEXICO	683	65	98	10MS	0	64
30	LAP 286	ARGENTINA	658	65	95	25S	0	70
15	MAYA 74"S"-MONCHO "S"	MEXICO	633	65	95	15MS	0	59
11	PAVON "S"	MEXICO	583	64	93	10MS	0	72
35	MN 7086	U.S.A.	575	69	97	25MS	0	79
26	UP 262	INDIA	567	64	93	65S	0	59
22	GLENLEA	CANADA	567	64	97	15MS	0	85
44	HAZERA 806/1976	ISRAEL	550	63	100	----	0	70
43	Q. T. 4081	AUSTRALIA	542	64	101	40S	0	70
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	500	68	101	0	0	70
14	INIA/SON64-P4160EXSON64	PAKISTAN	492	63	92	15S	0	64
50	LOCAL CHECK		492	65	101	25S	25S	69
17	FLICKER "S"	MEXICO	483	68	93	25S	0	64
21	S 331 - NOR 67	LEBANON	483	64	94	25MS	0	63
23	DOUGGA	TUNISIA	475	65	94	40MS	0	63
19	SUN 11 B - 15	AUSTRALIA	467	64	96	----	0	63
4	KAVKO "S"	KENYA	467	68	102	0	0	85
28	ANZA	U.S.A.	450	65	96	25S	0	59
29	IMURIS T79	MEXICO	450	64	97	----	0	64
47	MAHISSA 18	SPAIN	450	62	99	65S	0	69
34	JUNCO "S"	MEXICO	442	64	95	50S	0	80
39	BOBWHITE "S"	MEXICO	383	60	100	0	0	75
41	MARCOS JUAREZ INTA	ARGENTINA	375	70	100	40S	0	73
25	CHAT "S"	MEXICO	367	61	96	15S	0	69
31	NACOZARI 76	MEXICO	367	64	96	40S	10MS	68
1	Q. T. 4083	AUSTRALIA	308	70	105	0	0	73
13	ESTANZUELA DAKARU	URUGUAY	308	64	96	50S	0	84
37	SIETE CERROS	MEXICO	283	67	92	----	0	70
36	ANTIZANA	ECUADOR	250	64	93	25S	0	64
27	CHUKAR "S"	MEXICO	250	68	96	25S	0	55
3	CHIVITO	GUATEMALA	200	68	109	0	0	85
16	ALONDRA "S"	MEX/BRAZ	150	67	95	15S	0	75
42	BUCK BUCK "S"	MEXICO	150	69	101	----	0	67
10	PAVON 76	MEXICO	125	63	95	15MS	0	72

GRAND MEAN 590.2 65.1 97.1 23.5 2.7 69.9
STANDARD ERROR OF GRAND MEAN 0.1
COEFFICIENT OF VARIATION AS PC 0.9
LSD VARIETY MEANS 5 PC 1.0

CORRELATIONS

YIELD KG/HA	FLOW DAYS	MAT DAYS	STRP RT.L	STEM RUST	PLNT HT
		-0.16			
		-0.11	0.38		
		-0.21	-0.10	-0.20	
		0.23	0.08	0.22	0.05
		0.06	0.18	0.46	-0.24 0.19

ISHURDI

CEREAL STAFF

LATITUDE	24 25'N	DATE PLANTED	11/20/79	NITROGEN	--
LONGITUDE	80 4'E	DATE HARVESTED	4/ 4/80	PHOSPHORUS	--
ELEVATION	8 M. ABOVE S.L.	AMOUNT OF MOISTURE	648 MM	POTASSIUM	--

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
SLIGHT DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. NO WEED PROBLEM.
WEATHER NORMAL. HAND WEEDING.
LOCAL CHECK SONALIKA

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	LEAF RUST	PLNT HT	1000 G.W.	HELM
26	UP 262	INDIA	5611	64	107	0	105	49	26
31	NACAZARI 76	MEXICO	5166	64	108	0	87	35	22
49	HP 1209	INDIA	4944	61	112	0	93	45	22
29	IMURIS T79	MEXICO	4833	71	112	0	92	37	26
34	JUNCO "S"	MEXICO	4777	63	108	0	100	41	26
42	BUCK BUCK "S"	MEXICO	4611	71	114	0	90	42	26
6	VEERY "S"	MEXICO	4500	86	117	0	98	35	29
33	HD 2172	INDIA	4444	78	118	0	104	34	41
11	PAVON "S"	MEXICO	4444	80	114	0	106	42	29
18	BUCK BUCK "S"	MEXICO	4388	72	117	TMS	89	35	26
12	ROMI	SPAIN	4277	64	108	5MS	96	34	22
28	ANZA	U.S.A.	4277	75	113	10S	87	33	37
14	INIA/SON64-P4160EXSON64	PAKISTAN	4277	64	105	0	94	40	22
9	TITMOUSE "S"	MEXICO	4277	59	109	0	84	34	26
27	CHUKAR "S"	MEXICO	4222	80	113	0	96	42	29
25	CHAT "S"	MEXICO	4166	70	108	0	92	46	29
5	SONALIKA	INDIA	4166	59	102	0	93	42	22
10	PAVON 76	MEXICO	4111	77	113	5S	101	33	33
24	KLEIN CHAMACO	ARGENTINA	4055	74	112	TMS	111	37	29
37	SIETE CERROS	MEXICO	4000	69	108	40S	92	35	22
40	ABU GHRAIB # 3	IRAQ	4000	69	110	0	99	32	26
47	MAHISSA 18	SPAIN	3944	62	108	0	90	38	29
13	ESTANZUELA DAKARU	URUGUAY	3944	83	122	5S	129	34	37
7	PK 3563 - CH 70	PAKISTAN	3944	86	120	TMS	105	36	41
16	ALONDRA "S"	MEX/BRAZ	3889	89	117	0	105	41	29
38	MAPACHE (TCL.)	MEXICO ***	3833	72	112	0	112	35	29
2	PIMA 77	MEXICO	3722	64	109	5S	92	37	22
19	SUN 11 B - 15	AUSTRALIA	3666	80	114	0	104	38	37
32	BITTERN "S" (DURUM)	MEXICO	3611	93	123	0	91	40	26
17	FLICKER "S"	MEXICO	3555	91	121	TMS	99	33	52
46	MALABADI	TURKEY	3555	71	110	0	93	34	22
43	Q. T. 4081	AUSTRALIA	3500	80	116	5S	86	28	33
1	Q. T. 4083	AUSTRALIA	3500	83	115	0	115	43	26
44	HAZERA 806/1976	ISRAEL	3444	63	104	5S	77	39	26
20	K 6106.3	KENYA	3444	83	122	0	101	33	37
3	CHIVITO	GUATEMALA	3389	82	116	0	109	38	26
48	HEIMA-C0C75 X BLUEJAY"S"	MEXICO	3389	66	108	0	77	39	22
39	BOBWHITE "S"	MEXICO	3389	81	112	0	96	32	26
21	S 331 - NOR 67	LEBANON	3333	82	115	0	107	35	22
15	MAYA 74"S"-MONCHO "S"	MEXICO	3333	65	108	0	91	38	26
36	ANTIZANA	ECUADOR	3222	64	107	0	90	50	22
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3111	71	110	0	87	38	22
41	MARCOS JUAREZ INTA	ARGENTINA	3055	85	119	TMS	106	41	33
22	GLENLEA	CANADA	3000	77	112	0	116	43	33
4	KAVKO "S"	KENYA	3000	68	107	20S	102	37	26
23	DOUGGA	TUNISIA	3000	73	112	0	96	39	26
50	LOCAL CHECK		3000	57	102	10S	88	52	22
8	ZARAGURO "S"	ECUADOR	2833	85	117	0	117	33	29
30	LAP 286	ARGENTINA	1944	111	134	0	107	21	44
35	MN 7086	U.S.A.	1500	113	126	0	97	23	40
GRAND MEAN			3791.8	75.0	113.0	2.3	97.8	37.5	28.6
STANDARD ERROR OF GRAND MEAN			70.9				0.7		
COEFFICIENT OF VARIATION AS PC			22.9				0.2		
LSD VARIETY MEANS 5 PC			1407.8				13.0		

CORRELATIONS

YIELD KG/HA	FLOW DAYS	MAT DAYS	LEAF RUST	PLNT HT	1000 G.W.	HELM
	-0.53					
	-0.38	0.92				
	-0.04	-0.16	-0.21			
	-0.13	0.45	0.45	-0.11		
	0.36	-0.56	-0.59	-0.06	-0.09	
	-0.27	0.68	0.72	-0.12	0.37	-0.48

NEW DELHI IARS

CEREAL STAFF

LATITUDE 028 38'N

DATE PLANTED 12/22/79

NITROGEN --

LONGITUDE 077 16'E

DATE HARVESTED 5/ 5/80

PHOSPHORUS --

ELEVATION 0022 M.ABOVE S.L. AMOUNT OF MOISTURE -- MM

POTASSIUM APPLIED

LATE SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 SERIOUS DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. MODERATE WEED PROBLEM.
 NEGLIGIBLE BIRD DAMAGE. WEATHER NORMAL. CHEMICAL CONTROL OF WEEDS.
 HAND WEEDING. LOCAL CHECK: HD2204

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	LEAF RUST	PLNT HT
31	NACOZARI 76	MEXICO	5068	82	113	40S	75
41	MARCOS JUAREZ INTA	ARGENTINA	4827	84	115	5S	87
34	JUNCO "S"	MEXICO	4706	82	112	0	90
40	ABU GHRAIB # 3	IRAQ	4646	80	114	25S	80
26	UP 262	INDIA	4585	82	112	10S	78
25	CHAT "S"	MEXICO	4525	83	117	0	87
49	HP 1209	INDIA	4465	74	112	TS	72
14	INTA/SON64-P4160EXSON64	PAKISTAN	4344	83	116	0	82
39	BOBWHITE "S"	MEXICO	4284	83	115	0	83
33	HD 2172	INDIA	4163	84	118	0	79
12	ROMI	SPAIN	4163	83	116	80S	82
16	ALONDRA "S"	MEX/BRAZ	4103	83	116	TS	86
4	KAVKO "S"	KENYA	3922	81	115	10S	100
5	SONALIKA	INDIA	3922	71	109	60S	88
42	BUCK BUCK "S"	MEXICO ***	3861	86	116	TR	73
24	KLEIN CHAMACO	ARGENTINA	3861	81	112	TS	83
36	ANTIZANA	ECUADOR	3801	83	114	40S	75
11	PAVON "S"	MEXICO	3801	84	115	0	80
44	HAZERA 806/1976	ISRAEL	3741	85	115	20S	70
27	CHUKAR "S"	MEXICO	3680	84	115	TMR	79
10	PAVON 76	MEXICO	3620	84	113	0	77
45	MAIPO "S"-P362XEMU "S"	MEXICO	3620	85	116	TR	71
47	MAHISSA 18	SPAIN	3620	84	117	40S	75
48	HEIMA-COC75 X BLUEJAY "S"	MEXICO	3620	84	116	0	71
19	SUN 11 B - 15	AUSTRALIA	3620	84	116	30S	70
50	LOCAL CHECK		3620	76	110	0	70
32	BITTERN "S" (DURUM)	MEXICO	3560	84	116	0	75
3	CHIVITO	GUATEMALA	3318	85	115	TS	87
46	MALABADI	TURKEY	3318	83	116	5S	77
18	BUCK BUCK "S"	MEXICO	3318	86	116	10S	74
9	TITMOUSE "S"	MEXICO	3318	84	116	40S	76
22	GLENLEA	CANADA	3318	86	117	TMS	104
29	IMURIS T79	MEXICO	3318	85	115	TMS	74
38	MAPACHE (TCL.)	MEXICO	3258	84	114	5S	96
2	PIMA 77	MEXICO	3258	82	112	10S	78
1	Q. T. 4083	AUSTRALIA	3137	87	115	TR	98
6	VEERY "S"	MEXICO	3077	89	115	0	76
37	SIETE CERROS	MEXICO	3077	85	116	100S	82
43	Q. T. 4081	AUSTRALIA	3017	84	115	TS	73
23	DOUGGA	TUNISIA	3017	86	117	0	72
15	MAYA 74 "S"-MONCHO "S"	MEXICO	2956	84	117	TMR	86
17	FLICKER "S"	MEXICO	2896	86	116	10MS	74
7	PK 3563 - CH 70	PAKISTAN	2775	86	116	60S	90
28	ANZA	U.S.A.	2775	82	115	20MS	73
20	K 6106.3	KENYA	2715	86	117	5S	82
13	ESTANZUELA DAKARU	URUGUAY	2715	84	116	20S	97
21	S 331 - NOR 67	LEBANON	2655	87	116	0	76
8	ZARAGURO "S"	ECUADOR	2534	84	113	0	86
30	LAP 286	ARGENTINA	1569	97	120	TMS	86
35	MN 7086	U.S.A.	965	100	124	0	84

GRAND MEAN 3521.1 84.0 115.1 13.7 80.5
 STANDARD ERROR OF GRAND MEAN 49.5
 COEFFICIENT OF VARIATION AS PC 17.2
 LSD VARIETY MEANS 5 PC 982.3

CORRELATIONS

YIELD KG/HA	FLOW DAYS	MAT DAYS	LEAF RUST	PLNT HT
	-0.67			
	-0.52	0.79		
	0.10	-0.13	-0.04	
	-0.08	0.09	0.08	-0.01

POWARKHEDA

CEREAL STAFF

LATITUDE 022 42'N DATE PLANTED 12/31/79 NITROGEN APPLIED
 LONGITUDE 077 40'E DATE HARVESTED 4/28/80 PHOSPHORUS APPLIED
 ELEVATION 0303 M.ABOVE S.L. AMOUNT OF MOISTURE 1267 MM POTASSIUM APPLIED

LATE SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 SERIOUS DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. SERIOUS WEED PROBLEM.
 NEGLIGIBLE BIRD DAMAGE. DROUGHT YEAR. TEMPS. 2-3 DEGREES. HIGHER THAN NORMAL.
 HAND WEEDING. LOCAL CHECK: MPO 215

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	LEAF RUST	STEM RUST	PLNT HT	1000 G.W.
33	HD 2172	INDIA	5072	59	94	10X		65	37
18	PAVON 76	MEXICO	5014	64	94	TRX	TRS	68	37
44	HAZERA 806/1976	ISRAEL	4579	60	92	10X	TRX	72	31
49	HP 1289	INDIA	4579	53	91	20X	10-25S	73	33
5	SONALIKA	INDIA	4434	55	84	25-40S	30S	81	38
47	MAHISSA 18	SPAIN	4405	58	89	TR-10X	TR-10S	78	28
32	BITTERN "S" (DURUM)	MEXICO	4376	65	96	10-25X	10-25X	71	48
26	UP 262	INDIA	4304	60	93	40X	30S	81	39
31	NACQZARI 76	MEXICO	4260	56	91	25-40S	TR-10S	71	33
17	FLICKER "S"	MEXICO	4228	70	97	40S	TRS	79	30
14	INIA/SON64-P4160EXSON64	PAKISTAN	4101	56	91	25-40S	25-40S	83	38
50	LOCAL CHECK		4072	54	94	40-60S	25-40S	69	31
11	PAVON "S"	MEXICO	4057	65	95	10-25X	TRX	83	33
29	IMURIS T79	MEXICO	3985	61	97	25-40S	TR-10S	71	33
34	JUNCO "S"	MEXICO	3956	56	90	TRX	TRX	75	32
4	KAVKO "S"	KENYA	3912	61	91	-----	-----	84	31
42	BUCK BUCK "S"	MEXICO	3912	62	95	10-25X	TR-10S	62	35
18	BUCK BUCK "S"	MEXICO	3883	60	96	40S	TRS	70	32
12	ROMI	SPAIN	3883	56	88	40S	25-40S	80	32
2	PIMA 77	MEXICO	3854	59	93	10-25X	TR-10S	68	28
43	Q. T. 4081	AUSTRALIA	3840	65	95	10-25X	TR-10S	61	28
24	KLEIN CHAMACO	ARGENTINA	3840	61	96	10-25X	TR-10X	78	31
45	MAIPO "S" - PJ62XEMU "S"	MEXICO	3840	61	95	10-25X	TR-10X	71	34
9	TITHOUSE "S"	MEXICO ***	3782	59	86	40S	10-25S	62	29
8	ZARAGURO "S"	ECUADOR	3724	69	95	TRS	TRS	82	28
40	ABU GHRAIB # 3	IRAQ	3724	58	91	25-40X	TRX	79	26
7	PK 3563 - CH 70	PAKISTAN	3579	63	94	35S	40S	83	37
37	SIETE CERROS	MEXICO	3536	60	87	10X	TRX	76	26
15	MAYA 74 "S" - MONCHO "S"	MEXICO	3507	58	92		10S	77	34
21	S 331 - NOR 67	LEBANON	3507	67	98	TR-10S	TR-10S	82	35
13	ESTANZUELA DAKARU	URUGUAY	3492	63	96	40-60S	10-25S	81	31
6	VEERY "S"	MEXICO	3478	69	103	TRS	TRS	68	32
48	HEINA-COC75 X BLUEJAY "S"	MEXICO	3449	63	88	20X	10-25S	65	31
30	LAP 286	ARGENTINA	3391	75	107	TR-10X	TR-10X	86	21
41	MARCOS JUAREZ INTA	ARGENTINA	3376	71	104	10-25S	TR-10S	81	36
16	ALONDRA "S"	MEX/BRAZ	3333	72	102	TRS	TRS	76	37
27	CHUKAR "S"	MEXICO	3275	70	98	10-25X	TR-10S	71	35
28	ANZA	U.S.A.	3231	64	96	40-60S	40-60S	61	30
46	MALABADI	TURKEY	3202	60	94	25-40X	10-25S	65	31
23	DOUGGA	TUNISIA	3173	62	103	TR-10X	TR-10X	60	33
38	MAPACHE (TCL.)	MEXICO	3130	59	93	10S	10-25S	83	33
36	ANTIZANA	ECUADOR	3115	56	89	40-60S	25-40S	77	33
1	Q. T. 4083	AUSTRALIA	3072	72	102	TRS-10S	TRS	85	31
20	K 6106.3	KENYA	2869	64	104	25X	TRS	79	32
3	CHIVITO	GUATEMALA	2826	68	100	TRS-10S	TRS	76	39
25	CHAT "S"	MEXICO	2231	61	94	10X	TR-10X	80	38
19	SUN 11 B - 15	AUSTRALIA	2087	63	97	TR-10S	TR-10S	76	39
39	BOBWHITE "S"	MEXICO	1826	68	96	10-25X	TR-10S	56	29
22	GLENLEA	CANADA	1203	63	96	TR-10X	TRS	89	38
35	MN 7086	U.S.A.	884	83	109	40S	TR-10S	72	20

GRAND MEAN 3567.7 62.7 95.1 17.7 10.3 74.5 32.7
 STANDARD ERROR OF GRAND MEAN 51.3 0.2 0.1
 COEFFICIENT OF VARIATION AS PC 17.6 3.7 2.3
 LSD VARIETY MEANS 5 PC 1018.6 4.4 1.2

CORRELATIONS

YIELD KG/HA	FLOW DAYS	MAT DAYS	LEAF RUST	STEM RUST	PLNT HT	1000 G.W.
	-0.49					
	-0.45	0.80				
	0.04	-0.22	-0.21			
	0.14	-0.41	-0.40	0.69		
	-0.08	0.06	0.04	-0.05	-0.01	
	0.17	-0.24	-0.12	-0.14	0.16	0.11

LUDHIANA
CBREAL STAFF

LATITUDE 030 56'N
LONGITUDE 075 52'E
ELEVATION 0247 M.ABOVE S.L.

DATE PLANTED 12/20/79
DATE HARVESTED 5/16/80
AMOUNT OF MOISTURE 55 MM

NITROGEN APPLIED
PHOSPHORUS APPLIED
POTASSIUM APPLIED

LATE SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
MODERATE DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. SLIGHT WEED PROBLEM.
NEGLIGIBLE BIRD DAMAGE. WEATHER NORMAL. HAND WEEDING.
LOCAL CHECK: WL 711

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	LEAF RUST	PLNT HT	1000 G.W.
14	INIA/SOM64-P4160EXSON64	PAKISTAN	3623	78	---	102	39
31	MACOZARI 76	MEXICO	3613	83	10S	91	32
11	PAVON "S"	MEXICO	3565	88	---	95	28
9	TITHOUSE "S"	MEXICO	3381	75	5S	89	25
36	ANTIZANA	ECUADOR	3371	76	20S	91	32
12	ROMI	SPAIN	3371	78	25S	97	31
25	CHAT "S"	MEXICO	3323	90	---	97	32
50	LOCAL CHECK		3323	84	100S	90	37
18	PAVON 76	MEXICO	3275	86	---	94	31
47	MAHISSA 18	SPAIN	3275	86	20S	92	30
16	ALONDRA "S"	MEX/BRAZ	3275	90	30S	97	37
29	IMURIS T79	MEXICO	3226	89	5S	87	31
18	BUCK BUCK "S"	MEXICO	3226	80	TS	87	28
26	UP 262	INDIA	3217	83	TS	96	44
24	KLEIN CHAMACO	ARGENTINA	3178	85	5S	102	32
48	ABU GHRAIB # 3	IRAQ	3178	81	TS	93	20
49	HP 1209	INDIA	3082	79	---	97	36
42	BUCK BUCK "S"	MEXICO	3082	85	TS	90	35
39	BOBWHITE "S"	MEXICO	3033	91	---	98	29
44	HAZERA 806/1976	ISRAEL	2937	80	40S	87	28
46	MALABADI	TURKEY	2937	80	15S	89	28
28	ANZA	U.S.A.	2937	90	5S	85	32
34	JUNCO "S"	MEXICO	2888	87	---	101	32
33	HD 2172	INDIA	2888	82	---	90	31
38	MAPACHE (TCL.)	MEXICO	2840	79	TS	102	33
19	SUN 11 B - 15	AUSTRALIA	2840	85	---	101	33
22	GLENLEA	CANADA	2840	91	---	126	39
41	MARCOS JUAREZ INTA	ARGENTINA	2792	87	TS	94	38
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	2792	86	---	86	32
37	SIETE CERROS	MEXICO	2743	87	100S	96	29
6	VEERY "S"	MEXICO	2743	90	---	88	27
7	PK 3563 - CH 70	PAKISTAN	2695	91	5S	94	29
21	S 331 - NOR 67	LEBANON	2647	92	---	94	28
15	MAYA 74"S"-MONCHO "S"	MEXICO	2647	86	---	93	29
2	PINA 77	MEXICO ***	2550	85	5S	85	28
3	CHIVITO	GUATEMALA	2550	91	---	97	27
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	2550	88	---	89	34
27	CHUKAR "S"	MEXICO	2502	80	TS	88	33
23	DOUGGA	TUNISIA	2405	91	---	86	28
17	FLICKER "S"	MEXICO	2357	90	TS	90	28
5	SONALIKA	INDIA	2357	72	50S	95	49
13	ESTANZUELA DAKARU	URUGUAY	2309	91	5S	109	28
8	ZARAGURO "S"	ECUADOR	2260	89	---	100	25
43	Q. T. 4081	AUSTRALIA	2212	90	TS	82	25
20	K 6106.3	KENYA	2164	90	---	95	28
4	KAVKO "S"	KENYA	2067	89	---	116	35
32	BITTERN "S" (DURUM)	MEXICO	2019	84	---	80	39
1	Q. T. 4083	AUSTRALIA	1971	91	---	82	31
35	MN 7086	U.S.A.	1696	77	---	96	20
30	LAP 286	ARGENTINA	1681	102	TS	94	19
		GRAND MEAN	2808.7	85.9	15.6	93.8	31.3
		STANDARD ERROR OF GRAND MEAN					0.2
		COEFFICIENT OF VARIATION AS PC					9.3
		LSD VARIETY MEANS 5 PC					4.7

CORRELATIONS

YIELD KG/HA	FLOW DAYS	LEAF RUST	PLNT HT	1000 G.W.
		-0.36		
		0.07	-0.24	
		0.04	0.04	-0.02
		0.28	-0.37	0.22
				0.21

KITAMI
CEREAL STAFF

LATITUDE 043 47'N DATE PLANTED 5/12/80 NITROGEN APPLIED
 LONGITUDE 143 42'E DATE HARVESTED 9/10/80 PHOSPHORUS APPLIED
 ELEVATION 0196 M.ABOVE S.L. AMOUNT OF MOISTURE 230 MM POTASSIUM APPLIED

LATE SOWING DATE, SOIL MOIST AT SOWING, GERMINATION GOOD.
 MODERATE DISEASE INCIDENCE, SLIGHT INSECT DAMAGE.
 NO WEED PROBLEM, BIRD DAMAGE NOT REPORTED.
 LOCAL CHECK: HARUMINORI

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	LEAF RUST	PLNT HT	1000 G.W.	POWD %
8	ZARAGURO "S"	ECUADOR	2680	69	62	117	2	92	30	4
35	MN 7086	U.S.A.	2456	75	59	109	0	92	33	7
22	GLENLEA	CANADA	2432	76	59	116	47	112	49	4
39	BOBWHITE "S"	MEXICO	2267	74	60	115	0	81	31	0
7	PK 3563 - CH 70	PAKISTAN	2224	76	60	113	12	80	34	26
14	INIA/SON64-P4160EXSON64	PAKISTAN	2149	73	57	114	1	87	39	0
24	KLEIN CHAMACO	ARGENTINA	2117	78	57	112	20	86	33	4
4	KAVKO "S"	KENYA	2024	71	59	117	2	94	32	0
23	DOUGGA	TUNISIA	2000	72	60	114	1	74	31	0
50	LOCAL CHECK		1963	75	55	102	47	109	33	26
6	VEERY "S"	MEXICO	1942	72	61	110	1	75	35	0
36	ANTIZANA	ECUADOR	1938	71	56	115	4	81	40	0
1	Q. T. 4083	AUSTRALIA	1932	66	62	117	0	98	37	7
12	ROMI	SPAIN	1916	74	58	112	0	86	31	0
3	CHIVITO	GUATEMALA	1912	68	60	116	0	93	41	7
11	PAVON "S"	MEXICO	1909	73	59	114	1	85	33	7
40	ABU GHRAIB # 3	IRAQ	1871	72	54	114	40	82	31	4
30	LAP 286	ARGENTINA ***	1861	73	52	109	1	80	30	4
37	SIETE CERROS	MEXICO	1818	69	59	108	40	77	31	0
25	CHAT "S"	MEXICO	1755	72	59	114	0	80	39	0
13	ESTANZUELA DAKARU	URUGUAY	1730	70	58	115	1	101	32	0
18	BUCK BUCK "S"	MEXICO	1715	67	59	116	4	76	31	0
32	BITTERN "S" (DURUM)	MEXICO	1690	70	58	106	0	68	36	0
28	ANZA	U.S.A.	1687	69	60	116	5	74	31	15
31	NACOSARI 76	MEXICO	1672	70	56	106	17	78	34	0
16	ALONDRA "S"	MEX/BRAZ	1668	64	62	111	20	93	39	0
15	MAYA 74"S"-MONCHO "S"	MEXICO	1645	69	56	110	1	80	36	0
43	Q. T. 4081	AUSTRALIA	1639	68	58	114	4	70	31	4
20	K 6106.3	KENYA	1631	67	57	115	2	81	33	0
44	HAZERA 806/1976	ISRAEL	1585	74	54	106	7	72	33	7
9	TITMOUSE "S"	MEXICO	1577	71	55	107	20	73	30	0
10	PAVON 76	MEXICO	1567	71	59	113	2	84	34	7
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	1548	72	58	109	1	71	36	4
5	SONALIKA	INDIA	1546	73	52	105	2	83	42	11
47	MAHISSA 18	SPAIN	1542	72	55	112	2	82	33	0
33	HD 2172	INDIA	1512	63	60	113	0	81	34	0
41	MARCOS JUAREZ INTA	ARGENTINA	1463	68	59	114	4	91	35	0
42	BUCK BUCK "S"	MEXICO	1436	72	60	115	1	76	37	0
21	S 331 - NOR 67	LEBANON	1429	68	62	110	0	83	35	0
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	1381	71	58	108	10	74	40	4
29	IMURIS T79	MEXICO	1349	65	60	116	2	74	32	0
2	PIMA 77	MEXICO	1320	70	54	104	10	75	34	22
26	UP 262	INDIA	1276	71	56	110	1	80	41	11
38	MAPACHE (TCL.)	MEXICO	1272	61	56	114	2	98	37	0
49	HP 1209	INDIA	1202	70	52	111	13	77	43	0
46	MALABADI	TURKEY	1184	69	55	105	5	81	34	18
34	JUNCO "S"	MEXICO	1148	68	56	112	1	82	35	4
19	SUN 11 B - 15	AUSTRALIA	901	71	57	113	1	75	36	0
27	CHUKAR "S"	MEXICO	874	65	61	115	5	80	33	7
17	FLICKER "S"	MEXICO	839	57	59	107	1	76	30	0
GRAND MEAN			1683.8	70.1	57.8	111.7	7.4	82.7	34.7	4.3
STANDARD ERROR OF GRAND MEAN			33.5					0.2	0.1	
COEFFICIENT OF VARIATION AS PC			24.4					3.2	4.9	
LSD VARIETY MEANS 5 PC			664.8					4.3	2.7	

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	LEAF RUST	PLNT HT	1000 G.W.	POWD %
	0.57						
	0.25	-0.26					
	0.27	-0.13	0.53				
	0.23	0.28	-0.19	-0.25			
	0.41	0.09	0.14	0.23	0.34		
	-0.04	0.12	-0.10	0.02	0.11	0.28	
	0.06	0.28	-0.18	-0.36	0.25	0.15	0.00

BHAIRAWA
CEREALS STAFF

LATITUDE 27 30'N DATE PLANTED 11/27/79
 LONGITUDE 83 25'E DATE HARVESTED --/--/--
 ELEVATION 105 M.ABOVE S.L. AMOUNT OF MOISTURE 60 MM

NITROGEN APPLIED
 PHOSPHORUS APPLIED
 POTASSIUM APPLIED

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 WEATHER NORMAL. NEGLIGIBLE DISEASE DEVELOPMENT.
 NEGLIGIBLE INSECT DAMAGE. NO WEED PROBLEM.
 NEGLIGIBLE BIRD DAMAGE. LOCAL CHECK: NL 30

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	PLNT HT	1000 G.W.
14	INIA/SON64-P4160EXSON64	PAKISTAN	5250	68	107	103	40
31	NACQZARI 76	MEXICO	4925	70	108	94	33
48	HEINA-COC75 X BLUEJAY"S	MEXICO	4592	71	110	86	36
42	BUCK BUCK "S"	MEXICO	4585	82	116	86	34
18	BUCK BUCK "S"	MEXICO	4513	75	116	93	29
34	JUNCO "S"	MEXICO	4478	71	110	97	33
47	MAHISSA 18	SPAIN	4467	70	111	97	32
5	SOMALIKA	INDIA	4407	64	109	102	41
44	HAZERA 806/1976	ISRAEL	4292	71	109	82	34
11	PAVON "S"	MEXICO	4250	82	113	94	33
9	TITMOUSE "S"	MEXICO	4242	72	109	90	30
4	KAVKO "S"	KENYA	4220	77	109	120	33
33	HD 2172	INDIA	4148	82	116	92	31
10	PAVON 76	MEXICO	4147	82	114	96	33
37	SIETE CERROS	MEXICO	4128	73	112	100	30
16	ALONDRA "S"	MEX/BRAZ ***	3918	85	117	97	34
32	BITTERN "S" (DURUM)	MEXICO	3805	89	118	88	40
49	HP 1209	INDIA	3783	65	105	91	39
50	LOCAL CHECK		3678	70	109	106	38
46	MALABADI	TURKEY	3647	72	112	90	27
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3625	83	110	94	31
2	PIMA 77	MEXICO	3603	72	110	89	26
26	UP 262	INDIA	3567	74	108	100	44
24	KLEIN CHAMACO	ARGENTINA	3567	75	111	102	27
40	ABU GHRAIB # 3	IRAQ	3562	74	113	96	28
36	ANTIZAMA	ECUADOR	3550	69	109	99	44
6	VEERY "S"	MEXICO	3537	87	115	90	27
13	ESTANZUELA DAKARU	URUGUAY	3527	80	116	114	31
12	ROMI	SPAIN	3475	69	108	95	35
29	IMURIS T79	MEXICO	3460	81	116	85	32
1	Q. T. 4083	AUSTRALIA	3417	86	116	104	30
38	MAPACHE (TCL.)	MEXICO	3393	72	114	109	30
28	ANZA	U.S.A.	3335	81	115	87	27
21	S 331 - NOR 67	LEBANON	3188	77	115	96	29
19	SUN 11 B - 15	AUSTRALIA	3170	82	111	98	38
7	PK 3563 - CH 70	PAKISTAN	3117	87	119	94	27
22	GLENLEA	CANADA	2980	81	114	123	39
25	CHAT "S"	MEXICO	2957	78	110	96	34
41	MARCOS JUAREZ INTA	ARGENTINA	2892	87	117	96	30
8	ZARAGURO "S"	ECUADOR	2833	85	116	103	33
15	MAYA 74"S"-MONCHO "S"	MEXICO	2790	72	109	91	37
17	FLICKER "S"	MEXICO	2733	87	119	90	22
39	BOBWHITE "S"	MEXICO	2707	89	115	93	23
3	CHIVITO	GUATEMALA	2677	85	117	99	32
43	Q. T. 4081	AUSTRALIA	2588	84	116	82	22
23	DOUGGA	TUNISIA	2500	81	112	87	27
27	CHUKAR "S"	MEXICO	2167	84	110	85	37
20	K 6106.3	KENYA	2108	80	117	85	27
30	LAP 286	ARGENTINA	1408	106	128	89	22
35	MN 7086	U.S.A.	875	105	133	88	28

GRAND MEAN 3496.1 78.8 113.4 95.4 32.1
 STANDARD ERROR OF GRAND MEAN 47.1
 COEFFICIENT OF VARIATION AS PC 16.5
 LSD VARIETY MEANS 5 PC 935.6

CORRELATIONS

YIELD KG/HA	FLOW DAYS	MAT DAYS	PLNT HT	1000 G.W.
		-0.68		
		-0.62	0.87	
		0.18	-0.19	-0.18
		0.36	-0.44	-0.50
				0.31

TARNAB, PESHAWAR

CEREALS STAFF

LATITUDE 032 33'N

DATE PLANTED 11/20/79

NITROGEN APPLIED

LONGITUDE 068 00'E

DATE HARVESTED 5/4/80

PHOSPHORUS APPLIED

ELEVATION 0340 M. ABOVE S.L.

AMOUNT OF MOISTURE 475 MM

POTASSIUM --

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 MODERATE DISEASE INCIDENCE. SLIGHT INSECT DAMAGE. SLIGHT WEED PROBLEM.
 NEGLIGIBLE BIRD DAMAGE. WEATHER NORMAL. CHEMICAL CONTROL OF INSECTS.
 HAND WEEDING. LOCAL CHECK: KHYBER 79 ARMY WORM

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	PLNT HT	LODG %	1000 G.W.
34	JUNCO "S"	MEXICO	4727	125	163	117	0	37
14	INIA/SON64-P4160EXSON64	PAKISTAN	4484	122	159	124	11	39
26	UP 262	INDIA	4424	114	157	115	37	48
15	MAYA 74"S"-MONCHO "S"	MEXICO	4424	126	162	112	0	36
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	4242	124	161	112	18	38
6	VEERY "S"	MEXICO	4181	129	163	106	11	30
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	4181	121	160	103	0	39
31	NACQZARI 76	MEXICO	4000	123	159	111	4	31
23	DOUGGA	TUNISIA	4000	129	164	110	0	37
7	PK 3563 - CH 70	PAKISTAN	4000	134	165	118	0	35
25	CHAT "S"	MEXICO	4000	128	162	115	0	36
39	BOBWHITE "S"	MEXICO	3939	131	164	114	0	28
12	ROMI	SPAIN	3939	120	160	117	52	26
40	ABU GHRAIB # 3	IRAQ	3818	123	161	110	0	26
46	MALABADI	TURKEY	3818	124	161	107	22	28
16	ALONDRA "S"	MEX/BRAZ	3757	131	161	111	37	36
33	HD 2172	INDIA	3757	128	163	109	7	30
5	SONALIKA	INDIA	3697	107	153	113	22	46
17	FLICKER "S"	MEXICO	3515	124	160	111	4	28
36	ANTIZANA	ECUADOR	3454	121	159	113	41	35
9	TITMOUSE "S"	MEXICO	3454	127	162	101	33	30
10	PAVON 76	MEXICO ***	3333	126	162	107	4	27
28	ANZA	U.S.A.	3272	130	165	105	11	32
38	MAPACHE (TCL.)	MEXICO	3212	122	160	126	0	34
41	MARCOS JUAREZ INTA	ARGENTINA	3091	125	161	115	48	37
11	PAVON "S"	MEXICO	3091	127	163	109	4	27
29	IMURIS T79	MEXICO	3091	126	163	105	0	26
27	CHUKAR "S"	MEXICO	3091	123	159	110	0	34
43	Q. T. 4081	AUSTRALIA	2969	127	162	104	0	24
30	LAP 286	ARGENTINA	2969	137	172	116	33	18
32	BITTERN "S" (DURUM)	MEXICO	2848	128	163	99	0	36
18	BUCK BUCK "S"	MEXICO	2788	130	163	106	7	27
24	KLEIN CHAMACO	ARGENTINA	2788	121	159	121	82	28
2	PIMA 77	MEXICO	2788	123	160	110	41	26
8	ZARAGURO "S"	ECUADOR	2788	128	162	114	63	29
42	BUCK BUCK "S"	MEXICO	2727	132	164	104	0	29
47	MAHISSA 18	SPAIN	2666	124	160	117	11	24
3	CHIVITO	GUATEMALA	2364	125	165	120	59	36
44	HAZERA 806/1976	ISRAEL	2364	120	161	108	0	29
49	HP 1209	INDIA	2243	112	157	111	85	42
4	KAVKO "S"	KENYA	2182	126	163	138	63	34
35	MN 7086	U.S.A.	2061	137	170	115	7	20
1	Q. T. 4083	AUSTRALIA	2060	126	160	114	82	31
19	SUN 11 B - 15	AUSTRALIA	2000	122	159	118	70	24
21	S 331 - NOR 67	LEBANON	1879	130	163	118	41	29
37	SIETE CERROS	MEXICO	1819	131	162	113	52	28
20	K 6106.3	KENYA	1818	128	164	118	67	29
50	LOCAL CHECK		1757	126	162	125	78	33
22	GLENLEA	CANADA	1637	123	162	144	85	40
13	ESTANZUELA DAKARU	URUGUAY	1515	130	164	129	78	28

GRAND MEAN 3141.6 125.4 161.8 113.8 27.6 31.6
 STANDARD ERROR OF GRAND MEAN 53.1
 COEFFICIENT OF VARIATION AS PC 20.7
 LSD VARIETY MEANS 5 PC 1054.0

CORRELATIONS	
YIELD KG/HA	
FLOW DAYS	-0.17
MAT DAYS	-0.21 0.90
PLNT HT	-0.37 -0.07 0.02
LODG %	-0.63 -0.19 -0.15 0.56
1000 G.W.	0.34 -0.57 -0.54 0.17 0.06

LYALLPUR
CEREAL STAFF

LATITUDE 031 30'N
LONGITUDE 073 10'E
ELEVATION 0213 M.ABOVE S.L.

DATE PLANTED 11/19/79
DATE HARVESTED 4/ 4/80
AMOUNT OF MOISTURE 562 MM

NITROGEN APPLIED
PHOSPHORUS APPLIED
POTASSIUM APPLIED

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
SERIOUS DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. MODERATE WEED PROBLEM.
HAND WEEDING. LOCAL CHECK: W.L-711

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	STRP RT.L	LEAF RUST	PLNT HT	LODG %
14	INIA/SON64-P4160EXSON64	PAKISTAN	5488	96	143	0	0	111	10
6	VEERY "S"	MEXICO	5133	104	144	0	0	103	5
34	JUNCO "S"	MEXICO	4555	106	149	40MS-S	0	115	10
26	UP 262	INDIA	4533	96	146	10MS	10MR	112	50
27	CHUKAR "S"	MEXICO	4511	107	148	10MS	10MR-MS	102	0
12	ROMI	SPAIN	4355	96	143	10MS-S	65S	109	0
31	NACAZARI 76	MEXICO	4333	109	148	25MS-S	10MS-S	105	10
32	BITTERN "S"(DURUM)	MEXICO	4333	100	148	10MS	10MS	94	10
25	CHAT "S"	MEXICO	4333	109	149	10MR	0	113	5
50	LOCAL CHECK		4333	99	146	10MS-S	25S	114	50
29	IMURIS T79	MEXICO	4288	108	154	40S	0	96	50
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	4244	98	148	5R-MR	0	94	0
39	BOBWHITE "S"	MEXICO	4244	110	148	0	0	106	50
4	KAVKO "S"	KENYA	4133	104	147	0	0	137	10
40	ABU GHRAIB # 3	IRAQ	4133	97	148	10MS-S	65S	118	50
9	TITMOUSE "S"	MEXICO	4111	97	144	5R	5MR-MS	98	20
7	PK 3563 - CH 70	PAKISTAN	4111	106	152	10MR-MS	5MR-R	116	0
5	SONALIKA	INDIA ***	4022	88	139	0	TR-R	106	0
11	PAVON "S"	MEXICO	3933	105	147	25MS-S	0	107	0
16	ALONDRA "S"	MEX/BRAZ	3888	106	148	10MS	0	113	10
23	DOUGGA	TUNISIA	3844	107	148	0	0	104	0
10	PAVON 76	MEXICO	3844	104	147	10MS-S	0	109	5
24	KLEIN CHAMACO	ARGENTINA	3711	98	148	5R	10MR	108	40
43	Q. T. 4001	AUSTRALIA	3622	108	149	0	0	102	50
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3577	100	149	0	0	104	20
33	HD 2172	INDIA	3555	108	149	0	5MS	104	5
15	MAYA 74"S"-MONCHO "S"	MEXICO	3489	98	149	25MS-S	0	105	0
38	MAPACHE (TCL.)	MEXICO	3489	98	149	0	0	121	0
46	MALABADI	TURKEY	3444	98	149	10MR-MS	10MS	104	50
42	BUCK BUCK "S"	MEXICO	3444	109	152	65S	10MR	101	50
17	FLICKER "S"	MEXICO	3289	107	149	40S-65S	5R-MR	104	0
8	ZARAGUO "S"	ECUADOR	3266	103	148	0	0	113	90
2	PIMA 77	MEXICO	3133	98	144	10MR	10MS	104	90
49	HP 1209	INDIA	3089	92	146	40S	10MS-S	103	10
18	BUCK BUCK "S"	MEXICO	3089	76	153	100S	0	98	10
20	K 6106.3	KENYA	3000	107	154	TR-MR	5MR	104	20
37	SIETE CERROS	MEXICO	2955	107	146	40MS-S	65S	104	0
36	ANTIZANA	ECUADOR	2911	92	144	65S	40S	103	0
3	CHIVITO	GUATEMALA	2822	105	151	0	0	115	90
28	ANZA	U.S.A.	2778	106	149	0	10MS	95	90
21	S 331 - NOR 67	LEBANON	2711	109	153	25MS	0	114	10
13	ESTANZUELA DAKARU	URUGUAY	2555	105	149	65S	10MS-S	127	90
44	HAZERA 806/1976	ISRAEL	2378	96	148	100S	0	98	0
22	GLENLEA	CANADA	2378	106	150	5MR	TR-MR	137	90
1	Q. T. 4003	AUSTRALIA	2111	104	148	0	0	125	10
41	MARCOS JUAREZ INTA	ARGENTINA	2111	107	148	100S	0	109	40
30	LAP 206	ARGENTINA	1711	113	158	40S	0	115	10
35	MN 7086	U.S.A.	1533	118	158	65S	0	118	0
19	SUN 11 B - 15	AUSTRALIA	1133	100	148	100S	0	105	10
47	MAHISSA 18	SPAIN	1022	97	148	100S	0	97	0

GRAND MEAN 3460.1 102.5 148.4 23.7 7.0 108.2 24.4
STANDARD ERROR OF GRAND MEAN 58.5
COEFFICIENT OF VARIATION AS PC 20.7
LSD VARIETY MEANS 5 PC 1160.5

CORRELATIONS

YIELD KG/HA	FLOW DAYS	MAT DAYS	STRP RT.L	LEAF RUST	PLNT HT	LODG %
	-0.09					
		-0.43	0.49			
		-0.61	-0.16	0.25		
		0.10	-0.17	-0.29	-0.00	
		-0.11	0.23	0.12	-0.19	-0.06
		-0.11	0.09	0.07	-0.16	-0.02
						0.19

INST. SUP. DE AGRIC.

CEREAL STAFF

LATITUDE 019 34'N

LONGITUDE 070 46'W

ELEVATION M.ABOVE S.L.

DATE PLANTED ---/---/---

DATE HARVESTED ---/---/---

AMOUNT OF MOISTURE 200 MM

NITROGEN --

PHOSPHORUS --

POTASSIUM --

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
SLIGHT INSECT DAMAGE. SLIGHT WEED PROBLEM. SLIGHT BIRD DAMAGE.
HAND WEEDING. WEATHER NORMAL.

THIS SITE NOT INCLUDED IN SUMMARIES

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	PLNT HT
40	ABU GHRAIB # 3	IRAQ	1715	49	81
4	KAVKO "S"	KENYA	1681	49	85
47	MAHISSA 18	SPAIN	1616	46	76
50	LOCAL CHECK		1566	45	67
6	VEERY "S"	MEXICO	1496	63	71
25	CHAT "S"	MEXICO	1483	50	78
28	ANZA	U.S.A.	1379	54	66
7	PK 3563 - CH 70	PAKISTAN	1370	67	79
2	PIMA 77	MEXICO	1355	45	67
26	UP 262	INDIA	1323	52	79
16	ALONDRA "S"	MEX/BRAZ	1318	64	81
29	IMURIS T79	MEXICO	1302	49	70
24	KLEIN CHAMACO	ARGENTINA	1284	56	79
14	INIA/SON64-P4160EXSON64	PAKISTAN	1265	47	72
38	MAPACHE (TCL.)	MEXICO	1240	47	86
34	JUNCO "S"	MEXICO	1238	48	76
10	PAVON 76	MEXICO	1234	63	74
3	CHIVITO	GUATEMALA	1227	58	77
12	ROMI	SPAIN	1200	46	73
37	SIETE CERROS	MEXICO	1188	50	75
18	BUCK BUCK "S"	MEXICO	1167	49	69
22	GLENLEA	CANADA	1144	58	100
49	HP 1209	INDIA	1123	46	66
9	TITMOUSE "S"	MEXICO	1105	45	64
36	ANTIZANA	ECUADOR ***	1049	49	74
39	BOBWHITE "S"	MEXICO	918	58	74
11	PAVON "S"	MEXICO	905	58	78
42	BUCK BUCK "S"	MEXICO	902	53	66
43	Q. T. 4081	AUSTRALIA	892	54	64
45	MAIPO "S"-PJ62XEMU "S"	MEXICO	870	54	67
15	MAYA 74 "S"-MONCHO "S"	MEXICO	868	47	71
35	MN 7086	U.S.A.	868	90	61
44	HAZERA 806/1976	ISRAEL	864	49	68
5	SONALIKA	INDIA	853	45	75
33	HD 2172	INDIA	787	60	67
20	K 6106.3	KENYA	784	62	69
19	SUN 11 B - 15	AUSTRALIA	775	60	71
48	HEIMA-COC75 X BLUEJAY "S"	MEXICO	770	50	59
31	NACUZARI 76	MEXICO	766	49	68
8	ZARAGURO "S"	ECUADOR	698	64	75
1	Q. T. 4083	AUSTRALIA	677	60	83
13	ESTANZUELA DAKARU	URUGUAY	664	64	86
17	FLICKER "S"	MEXICO	647	63	69
46	MALABADI	TURKEY	585	46	68
30	LAP 286	ARGENTINA	551	90	67
41	MARCOS JUAREZ INTA	ARGENTINA	529	72	82
23	DDUGGA	TUNISIA	465	52	69
21	S 331 - NOR 67	LEBANON	376	55	73
27	CHUKAR "S"	MEXICO	292	62	68
32	BITTERN "S" (DURUM)	MEXICO	-	-	58

GRAND MEAN 1028.0 55.5 72.8
STANDARD ERROR OF GRAND MEAN 25.1
COEFFICIENT OF VARIATION AS PC 29.6
LSD VARIETY MEANS 5 PC 493.5

CORRELATIONS
YIELD KG/HA
FLOW DAYS -0.38
PLNT HT 0.26 0.03

CAMPO EXPT. DE POASITO

CEREAL STAFF

LATITUDE 009 50'N DATE PLANTED 11/ 6/79
 LONGITUDE 084 02'W DATE HARVESTED 4/--/80
 ELEVATION 1600 M.ABOVE S.L. AMOUNT OF MOISTURE -- MM

NITROGEN APPLIED
 PHOSPHORUS APPLIED
 POTASSIUM APPLIED

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 SLIGHT DISEASE INCIDENCE. SLIGHT INSECT DAMAGE.
 SLIGHT WEED PROBLEM. SLIGHT BIRD DAMAGE.
 LOCAL CHECK: 7 CERROS

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	PLNT HT
38	MAPACHE (TCL.)	MEXICO	5850	62	129	102
29	IMURIS T79	MEXICO	5241	63	136	77
9	TITMOUSE "S"	MEXICO	5175	60	128	76
27	CHUKAR "S"	MEXICO	4983	68	137	84
11	PAVON "S"	MEXICO	4858	66	137	85
7	PK 3563 - CH 70	PAKISTAN	4858	69	144	82
46	MALABADI	TURKEY	4811	60	129	82
25	CHAT "S"	MEXICO	4783	64	136	77
6	VEERY "S"	MEXICO	4750	75	144	82
39	BOBWHITE "S"	MEXICO ***	4636	69	144	87
26	UP 262	INDIA	4572	64	130	83
34	JUNCO "S"	MEXICO	4522	58	129	82
21	S 331 - NOR 67	LEBANON	4508	67	137	89
20	K 6106.3	KENYA	4355	63	136	85
42	BUCK BUCK "S"	MEXICO	4344	63	136	69
18	BUCK BUCK "S"	MEXICO	4272	62	130	76
50	LOCAL CHECK		4222	58	140	75
3	CHIVITO	GUATEMALA	4194	68	143	85
14	INIA/SON64-P4160EXSON64	PAKISTAN	4191	61	128	80
10	PAVON 76	MEXICO	4183	65	136	79
28	ANZA	U.S.A.	4161	67	137	71
17	FLICKER "S"	MEXICO	4161	73	139	76
2	PIMA 77	MEXICO	4147	59	135	76
40	ABU GHRAIB # 3	IRAQ	3967	62	129	78
33	HD 2172	INDIA	3964	68	143	78
41	MARCOS JUAREZ INTA	ARGENTINA	3925	73	155	92
37	SIETE CERROS	MEXICO	3889	63	136	73
23	DOUGGA	TUNISIA	3875	66	130	78
49	HP 1209	INDIA	3855	57	129	69
16	ALONDRA "S"	MEX/BRAZ	3789	72	139	91
19	SUN 11 B - 15	AUSTRALIA	3755	68	143	89
1	Q. T. 4083	AUSTRALIA	3753	71	145	89
45	MAIPO "S"-PJ62XEMU "S"	MEXICO	3672	66	137	74
48	HEIMA-COC75 X BLUEJAY "S"	MEXICO	3633	63	129	77
30	LAP 286	ARGENTINA	3619	76	156	78
22	GLENLEA	CANADA	3569	71	139	103
8	ZARAGURO "S"	ECUADOR	3553	73	154	95
5	SONALIKA	INDIA	3522	54	133	74
31	NACQZARI 76	MEXICO	3472	59	129	70
4	KAVKO "S"	KENYA	3417	63	136	103
12	ROMI	SPAIN	3397	58	136	81
35	MN 7086	U.S.A.	3392	80	156	92
44	HAZERA 806/1976	ISRAEL	3344	56	128	66
36	ANTIZANA	ECUADOR	3208	62	129	85
13	ESTANZUELA DAKARU	URUGUAY	3050	67	143	92
32	BITTERN "S" (DURUM)	MEXICO	3014	69	138	66
15	MAYA 74 "S"-MONCHO "S"	MEXICO	2986	62	129	73
24	KLEIN CHAMACO	ARGENTINA	2967	65	138	86
43	Q. T. 4081	AUSTRALIA	2944	68	138	66
47	MAHISSA 18	SPAIN	2803	59	136	70

GRAND MEAN 4002.2 65.1 137.0 81.0
 STANDARD ERROR OF GRAND MEAN 49.6
 COEFFICIENT OF VARIATION AS PC 15.2
 LSD VARIETY MEANS 5 PC 983.5

CORRELATIONS
 YIELD KG/HA
 FLOW DAYS -0.04
 MAT DAYS -0.15 0.80
 PLNT HT 0.17 0.41 0.36

EST EXP F.B.MORENO
CEREAL STAFFLATITUDE 10 00'N DATE PLANTED 12/ 5/79
LONGITUDE 84 00'W DATE HARVESTED 4/--/80
ELEVATION 843 M.ABOVE S.L. AMOUNT OF MOISTURE 302 MMNITROGEN APPLIED
PHOSPHORUS APPLIED
POTASSIUM --NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
SLIGHT DISEASE INCIDENCE. SLIGHT INSECT DAMAGE.
SERIOUS WEED PROBLEM. LOCAL CHECK: 7 CERROS

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	PLNT HT
38	MAPACHE (TCL.)	MEXICO	3489	47	94	76
17	FLICKER "S"	MEXICO	3075	61	106	49
7	PK 3563 - CH 70	PAKISTAN	3005	62	109	60
39	BOBWHITE "S"	MEXICO	2972	60	98	68
24	KLEIN CHAMACO	ARGENTINA	2922	55	97	72
37	SIETE CERROS	MEXICO	2847	47	94	58
2	PIMA 77	MEXICO	2750	46	93	51
43	Q. T. 4081	AUSTRALIA	2730	52	96	51
33	HD 2172	INDIA	2650	60	108	68
40	ABU GHRAIB # 3	IRAQ	2647	49	94	65
6	VEERY "S"	MEXICO	2644	63	109	53
28	ANZA	U.S.A.	2619	52	96	61
46	MALABADI	TURKEY ***	2453	46	93	59
9	TITMOUSE "S"	MEXICO	2425	46	93	53
31	NACAZARI 76	MEXICO	2414	46	93	59
20	K 6106.3	KENYA	2394	55	102	65
26	UP 262	INDIA	2389	51	95	62
50	LOCAL CHECK		2347	47	94	57
34	JUNCO "S"	MEXICO	2255	46	93	66
11	PAVON "S"	MEXICO	2236	56	98	54
45	MAIPO "S"-PJ62XEMU "S"	MEXICO	2230	51	95	53
10	PAVON 76	MEXICO	2192	54	97	60
5	SOMALIKA	INDIA	2183	44	93	62
4	KAVKO "S"	KENYA	2130	51	95	60
25	CHAT "S"	MEXICO	2128	51	95	63
27	CHUKAR "S"	MEXICO	2119	61	98	62
8	ZARAGURO "S"	ECUADOR	2103	61	100	59
22	GLENLEA	CANADA	2080	60	99	80
15	MAYA 74 "S"-MONCHO "S"	MEXICO	2033	47	94	44
14	INIA/SON64-P4160EXSON64	PAKISTAN	2028	46	93	52
48	HEIMA-COC75 X BLUEJAY "S"	MEXICO	1975	49	95	51
44	HAZERA 806/1976	ISRAEL	1972	45	93	56
47	MAHISSA 18	SPAIN	1925	45	93	64
21	S 331 - NOR 67	LEBANON	1864	58	97	68
29	IMURIS T79	MEXICO	1825	51	94	56
18	BUCK BUCK "S"	MEXICO	1750	50	95	62
42	BUCK BUCK "S"	MEXICO	1717	52	96	54
49	HP 1209	INDIA	1708	44	93	46
23	DOUGGA	TUNISIA	1672	51	95	65
19	SUN 11 B - 15	AUSTRALIA	1664	63	103	62
12	ROMI	SPAIN	1611	46	93	52
3	CHIVITO	GUATEMALA	1433	60	100	59
13	ESTANZUELA DAKARU	URUGUAY	1428	63	109	67
32	BITTERN "S"(DURUM)	MEXICO	1386	70	112	56
41	MARCOS JUAREZ INTA	ARGENTINA	1347	66	111	74
36	ANTIZANA	ECUADOR	1283	49	93	57
1	Q. T. 4083	AUSTRALIA	1072	61	100	58
16	ALONDRA "S"	MEX/BRAZ	900	64	101	50
35	MN 7086	U.S.A.	-	82	-	--
30	LAP 286	ARGENTINA	-	79	-	64

GRAND MEAN 2146.7 54.0 97.9
STANDARD ERROR OF GRAND MEAN 41.8
COEFFICIENT OF VARIATION AS PC 23.4
LSD VARIETY MEANS 5 PC 814.1

CORRELATIONS

YIELD KG/HA
FLOW DAYS -0.18
MAT DAYS -0.19 0.72

STUPECE
CEREAL STAFF

LATITUDE 040 05'N DATE PLANTED 3/26/80 NITROGEN APPLIED
LONGITUDE 014 26'E DATE HARVESTED 9/10/80 PHOSPHORUS APPLIED
ELEVATION M.ABOVE S.L. AMOUNT OF MOISTURE 530 MM POTASSIUM APPLIED

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
NEGLECTIBLE INSECT DAMAGE. NO WEED PROBLEM.
NEGLECTIBLE BIRD DAMAGE. CHEMICAL CONTROL OF INSECTS AND WEEDS.
LOCAL CHECK: ST-109/75

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	STRP RT.L	STEM RUST	PLNT HT	1000 G.W.	POWD %	PROT %
3	CHIVITO	GUATEMALA	7223	84	162	TR-R	TR-R	96	60	44	11
7	PK 3563 - CH 70	PAKISTAN	7112	83	161	TR-R	10MS	83	48	56	12
50	LOCAL CHECK		6945	87	165	3MR	10MS	91	45	56	12
28	ANZA	U.S.A.	6926	84	161	10MS	10MS	79	42	33	12
42	BUCK BUCK "S"	MEXICO	6538	85	163	TR-R	5MR	77	47	33	13
11	PAVON "S"	MEXICO	6352	83	161	5MR	TR-R	88	51	33	12
16	ALONDRA "S"	MEX/BRAZ	6223	82	158	25S	5MR	80	52	56	14
33	HD 2172	INDIA	6112	83	160	TR-R	TR-R	81	43	22	12
29	IMURIS T79	MEXICO ***	6056	85	163	2R	10MS	81	48	44	13
34	JUNCO "S"	MEXICO	6038	81	158	25S	5MR	85	46	67	13
25	CHAT "S"	MEXICO	6000	85	163	25S	3MR	83	47	44	13
10	PAVON 76	MEXICO	5963	82	159	2R	TR-R	90	53	44	13
5	SONALIKA	INDIA	5945	78	155	TR-R	TR-R	81	59	44	12
18	BUCK BUCK "S"	MEXICO	5889	84	162	3MR	10MS	79	44	56	13
31	NACOZARI 76	MEXICO	5889	82	159	5MR	TR-R	79	42	56	12
43	Q. T. 4081	AUSTRALIA	5871	84	162	1R	TR-R	72	41	44	13
44	HAZERA 806/1976	ISRAEL	5815	79	156	TR-R	TR-R	75	45	56	12
15	MAYA 74"S"-NONCHO "S"	MEXICO	5723	81	157	2R	5MR	77	48	33	14
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	5649	82	158	TR-R	TR-R	75	51	44	13
47	MAHISSA 18	SPAIN	5630	83	160	1R	TR-R	83	41	56	13
1	Q. T. 4083	AUSTRALIA	5575	85	163	TR-R	2R	86	50	33	12
40	ABU GHRAIB # 3	IRAQ	5575	80	157	TR-R	TR-R	79	36	22	13
35	MN 7086	U.S.A.	5500	84	161	3MR	TR-R	85	40	56	14
36	ANTIZANA	ECUADOR	5482	80	156	TR-R	TR-R	81	44	56	15
22	GLENLEA	CANADA	5482	87	163	TR-R	TR-R	109	52	44	15
26	UP 262	INDIA	5482	80	157	10MS	TR-R	74	53	56	14
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	5482	82	159	5MR	20S	73	44	44	13
27	CHUKAR "S"	MEXICO	5482	84	162	25S	TR-R	81	46	56	14
8	ZARAGURO "S"	ECUADOR	5426	85	163	TR-R	TR-R	95	40	56	12
39	BOBWHITE "S"	MEXICO	5334	84	161	2R	TR-R	80	37	44	12
2	PIMA 77	MEXICO	5315	78	156	5MR	TR-R	75	43	33	12
41	MARCOS JUAREZ INTA	ARGENTINA	5223	81	157	3MR	TR-R	84	49	44	14
30	LAP 286	ARGENTINA	5223	77	154	TR-R	3MR	74	37	44	15
13	ESTANZUELA DAKARU	URUGUAY	5130	84	163	10MS	TR-R	97	40	33	14
4	KAVKO "S"	KENYA	5112	82	159	25S	2R	96	42	44	14
20	K 6106.3	KENYA	5074	84	161	3MR	TR-R	87	42	44	15
9	TITMOUSE "S"	MEXICO	4945	78	155	25S	5MR	70	42	33	13
14	INIA/SON64-P4160EXSON64	PAKISTAN	4908	83	161	TR-R	TR-R	86	47	44	12
21	S 331 - NOR 67	LEBANON	4908	86	163	5MR	TR-R	92	40	56	12
23	DOUGGA	TUNISIA	4906	85	162	TR-R	TR-R	84	40	44	14
24	KLEIN CHAMACO	ARGENTINA	4852	82	159	TR-R	TR-R	85	38	56	14
46	MALABADI	TURKEY	4834	79	156	TR-R	TR-R	77	41	56	12
37	SIETE CERROS	MEXICO	4815	85	161	25S	TR-R	81	40	33	12
17	FLICKER "S"	MEXICO	4760	81	156	5MR	TR-R	67	41	44	14
6	VEERY "S"	MEXICO	4667	82	159	TR-R	25S	75	38	56	14
12	ROMI	SPAIN	4667	84	162	2R	TR-R	82	37	44	11
32	BITTERN "S"(DURUM)	MEXICO	4537	83	160	TR-R	5MR	71	52	44	12
38	MAPACHE (TCL.)	MEXICO	4445	82	159	3MR	TR-R	93	43	44	12
49	HP 1209	INDIA	4241	78	156	10MS	25S	76	53	56	14
19	SUN 11 B - 15	AUSTRALIA	4093	81	157	3MR	TR-R	72	42	44	14

GRAND MEAN 5507.4 82.5 159.6 4.7 2.6 82.0 44.6 45.7 13.0
STANDARD ERROR OF GRAND MEAN 49.8 0.3
COEFFICIENT OF VARIATION AS PC 11.1 4.7
LSD VARIETY MEANS 5 PC 988.3 6.2

CORRELATIONS

YIELD KG/HA	FLOW DAYS	MAT DAYS	STRP RT.L	STEM RUST	PLNT HT	1000 G.W.	POWD %	PROT %
	0.27							
	0.32	0.96						
	-0.00	-0.04	-0.04					
	-0.04	-0.09	-0.03	-0.03				
	0.18	0.54	0.54	0.00	-0.24			
	0.39	-0.05	-0.03	0.03	0.04	0.14		
	-0.04	-0.02	-0.02	0.07	0.21	0.05	0.04	
	-0.32	-0.19	-0.28	0.15	0.11	-0.03	-0.11	0.16

P.B.I.

CEREAL STAFF

LATITUDE 040 38'N

DATE PLANTED 11/ 8/79

NITROGEN --

LONGITUDE 022 57'E

DATE HARVESTED 6/ 3/80

PHOSPHORUS --

ELEVATION 0010 M.ABOVE S.L.

AMOUNT OF MOISTURE 405 MM

POTASSIUM --

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 MODERATE DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. MODERATE WEED PROBLEM.
 NEGLIGIBLE BIRD DAMAGE. CHEMICAL CONTROL OF WEEDS. WEATHER VERY FAVORABLE.
 LOCAL CHECK NAME NOT REPORTED.

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STEM RUST	PLNT HT	LODG %	1000 G.W.	POWD %
16	ALONDRA "S"	MEX/BRAZ	6974	79	181	227	0	115	0	48	40
11	PAVON "S"	MEXICO	6551	80	182	227	0	104	0	41	15
17	FLICKER "S"	MEXICO	6166	78	176	226	0	107	0	41	44
8	ZARAGURO "S"	ECUADOR	6025	76	180	226	0	112	27	34	18
6	VEERY "S"	MEXICO	5948	79	180	224	0	103	0	38	26
34	JUNCO "S"	MEXICO	5948	80	174	225	0	109	0	43	15
44	HAZERA 806/1976	ISRAEL	5872	81	176	228	0	97	0	41	48
29	IMURIS T79	MEXICO ***	5724	78	180	228	0	101	27	43	22
31	NACUZARI 76	MEXICO	5660	80	181	224	0	98	43	40	15
18	BUCK BUCK "S"	MEXICO	5634	81	180	227	0	100	0	39	22
47	MAHISSA 18	SPAIN	5628	76	178	230	10MS	113	17	38	26
33	HD 2172	INDIA	5397	79	183	227	0	109	23	41	22
10	PAVON 76	MEXICO	5346	77	180	227	0	105	0	34	22
7	PK 3563 - CH 70	PAKISTAN	5340	81	188	228	0	114	0	42	26
27	CHUKAR "S"	MEXICO	5256	81	173	225	0	107	10	48	33
26	UP 262	INDIA	5218	81	172	224	10MS	107	0	53	26
12	ROMI	SPAIN	5179	79	181	227	20MS	113	30	38	29
15	MAYA 74"S"-MONCHO "S"	MEXICO	5166	79	179	229	0	103	0	49	18
25	CHAT "S"	MEXICO	5164	77	184	230	0	108	23	43	11
41	MARCOS JUAREZ INTA	ARGENTINA	5083	80	177	227	0	114	20	46	29
42	BUCK BUCK "S"	MEXICO	5051	80	177	227	0	94	23	46	15
23	DOUGGA	TUNISIA	5032	78	180	232	0	113	37	37	15
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	4884	80	177	228	0	93	0	44	26
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	4846	80	177	227	0	101	0	52	18
14	INIA/SON64-P4160EXSON64	PAKISTAN	4705	80	177	229	0	114	37	46	22
39	B0BWHITE "S"	MEXICO	4686	80	182	228	0	112	40	36	29
43	Q. T. 4081	AUSTRALIA	4660	78	178	228	0	96	0	34	18
46	MALABADI	TURKEY	4654	75	174	226	5MS	103	33	38	22
38	MAPACHE (TCL.)	MEXICO	4634	65	174	227	0	112	0	41	0
28	ANZA	U.S.A.	4615	78	179	226	0	99	0	32	29
32	BITTERN "S" (DURUM)	MEXICO	4525	81	183	227	0	97	23	54	18
9	TITMOUSE "S"	MEXICO	4442	76	179	228	0	99	33	36	18
24	KLEIN CHAMACO	ARGENTINA	4429	80	179	228	0	114	10	37	15
37	SIETE CERROS	MEXICO	4416	75	182	227	20MS	113	0	33	22
36	ANTIZANA	ECUADOR	4378	78	174	228	0	105	33	45	26
22	GLENLEA	CANADA	4372	80	185	228	0	133	53	50	15
40	ABU GHRAIB # 3	IRAQ	4288	79	177	232	0	100	10	32	26
3	CHIVITO	GUATEMALA	4237	76	180	228	0	114	27	42	26
50	LOCAL CHECK		4134	79	181	230	20MS	104	27	40	33
21	S 331 - NOR 67	LEBANON	4090	73	188	228	0	119	60	40	26
20	K 6106.3	KENYA	4058	79	181	228	0	112	27	40	18
1	Q. T. 4083	AUSTRALIA	4051	76	181	227	0	113	0	41	41
4	KAVKO "S"	KENYA	4000	80	183	230	0	132	43	41	44
5	SONALIKA	INDIA	3987	77	174	232	0	101	0	46	29
13	ESTANZUELA DAKARU	URUGUAY	3974	79	182	228	10MS	126	47	40	22
2	PIMA 77	MEXICO	3917	76	180	227	0	99	23	36	40
19	SUN 11 B - 15	AUSTRALIA	3878	76	180	227	0	107	60	45	18
49	HP 1209	INDIA	3859	78	172	225	0	100	53	53	44
30	LAP 286	ARGENTINA	3590	75	182	228	0	106	27	37	37
35	MN 7086	U.S.A.	3295	78	189	230	0	109	63	35	26

GRAND MEAN 4859.4 78.2 2.0 107.5 20.2 41.3 24.9
 STANDARD ERROR OF GRAND MEAN 49.7 0.1
 COEFFICIENT OF VARIATION AS PC 12.5 1.5 5.7
 LSD VARIETY MEANS 5 PC 987.1 1.9 3.8

CORRELATIONS

YIELD KG/HA	TEST WT	STEM RUST	PLNT HT	LODG %	1000 G.W.	POWD %
		0.28				
		-0.09	-0.04			
		-0.14	-0.10	0.07		
		-0.51	-0.08	-0.10	0.37	
		0.08	0.31	-0.14	0.00	0.02
		-0.07	0.22	0.03	0.01	-0.02
					0.02	0.02

CEREAL STAFF

LATITUDE 047 21'N DATE PLANTED 4/ 1/80 NITROGEN APPLIED
 LONGITUDE 018 49'E DATE HARVESTED 8/ 5/80 PHOSPHORUS APPLIED
 ELEVATION 0150 M.ABOVE S.L. AMOUNT OF MOISTURE 172 MM POTASSIUM APPLIED

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 MODERATE DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. NO WEED PROBLEM.
 NEGLIGIBLE BIRD DAMAGE. LOCAL CHECK: FERTODI 66

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	PLNT HT	LODC %	1000 G.W.	POWD %
38	MAPACHE (TCL.)	MEXICO	7502	72	60	105	93	-	43	0
44	HAZERA 806/1976	ISRAEL	6610	84	56	100	77	20	38	60
28	ANZA	U.S.A.	6578	84	59	105	70	-	40	47
42	BUCK BUCK "S"	MEXICO	6453	83	59	107	72	20	40	53
47	MAHISSA 18	SPAIN	6409	83	58	106	83	-	42	47
37	SIETE CERROS	MEXICO	6201	82	60	99	82	65	34	20
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	6086	84	58	101	69	20	47	0
31	NACCOZARI 76	MEXICO	6075	83	59	100	82	50	40	67
11	PAVON "S"	MEXICO	5934	84	59	104	83	-	43	53
49	HP 1209	INDIA	5916	83	56	100	80	-	49	07
50	LOCAL CHECK		5896	82	60	104	96	-	47	0
34	JUNCO "S"	MEXICO	5797	84	57	100	86	-	42	13
10	PAVON 76	MEXICO	5737	85	58	103	79	-	45	40
14	INIA/SON64-P4160EXSON64	PAKISTAN	5674	84	58	100	85	-	47	20
40	ABU GHRAIB # 3	IRAQ	5603	85	58	101	76	-	36	60
22	GLENLEA	CANADA	5477	84	61	104	103	50	46	13
39	BOBWHITE "S"	MEXICO	5459	85	59	100	74	-	35	20
27	CHUKAR "S"	MEXICO	5423	85	59	101	74	-	44	73
24	KLEIN CHAMACO	ARGENTINA	5359	84	59	103	89	70	35	0
21	S 331 - NOR 67	LEBANON	5332	82	60	105	88	70	41	0
46	MALABADI	TURKEY	5189	80	56	98	75	-	36	60
36	ANTIZANA	ECUADOR	5187	84	57	99	80	-	46	0
18	BUCK BUCK "S"	MEXICO	5123	82	60	100	69	-	39	40
30	LAP 206	ARGENTINA	5092	83	56	100	83	-	34	27
8	ZARAGURO "S"	ECUADOR	5085	81	60	104	81	80	35	0
20	K 6106.3	KENYA	5056	83	58	104	82	60	39	27
43	Q. T. 4081	AUSTRALIA	5054	83	59	105	68	-	38	0
26	UP 262	INDIA	4993	85	57	100	82	-	51	73
1	Q. T. 4083	AUSTRALIA	4988	83	61	104	88	-	49	13
7	PK 3563 - CH 70	PAKISTAN	4935	84	60	103	71	-	45	80
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	4932	82	59	103	73	-	42	47
23	DOUGGA	TUNISIA	4927	83	59	100	77	-	35	13
25	CHAT "S"	MEXICO	4919	84	60	100	83	-	43	73
35	MN 7086	U.S.A.	4900	84	60	101	83	43	35	73
29	IMURIS T79	MEXICO ***	4801	83	60	104	66	-	39	27
41	MARCOS JUAREZ INTA	ARGENTINA	4777	84	58	101	80	-	46	13
6	VEERY "S"	MEXICO	4741	83	58	100	68	-	37	33
15	MAYA 74"S"-MONCHO "S"	MEXICO	4585	84	58	99	71	-	44	0
12	ROMI	SPAIN	4564	84	59	104	80	-	42	0
19	SUN 11 B - 15	AUSTRALIA	4550	83	57	101	84	-	47	0
33	HD 2172	INDIA	4521	84	60	104	78	-	43	0
16	ALONDRA "S"	MEX/BRAZ	4468	84	58	99	73	-	49	87
3	CHIVITO	GUATEMALA	4374	80	60	104	83	-	46	0
32	BITTERN "S"(DURUM)	MEXICO	4357	84	60	105	69	-	52	27
5	SONALIKA	INDIA	4131	82	55	100	82	-	54	13
2	PIMA 77	MEXICO	4130	80	57	100	71	-	36	13
4	KAVKO "S"	KENYA	3998	83	59	104	85	-	38	93
17	FLICKER "S"	MEXICO	3944	83	58	99	69	-	43	53
13	ESTANZUELA DAKARU	URUGUAY	3654	84	58	103	92	-	38	40
9	TITMOUSE "S"	MEXICO	3270	83	57	99	65	-	37	0
GRAND MEAN			5175.3	83.0	58.5	101.9	79.0	51.3	41.9	32.0
STANDARD ERROR OF GRAND MEAN			107.4	0.0			0.6		0.2	
COEFFICIENT OF VARIATION AS PC			25.4	1.3			8.5		5.5	
LSD VARIETY MEANS 5 PC			2130.6	1.7			10.9		3.7	

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	PLNT HT	LODC %	1000 G.W.	POWD %
		-0.22					
		0.11	-0.11				
		0.24	-0.17	0.58			
		0.23	-0.19	0.19	0.25		
		-0.48	-0.33	0.55	0.13	0.59	
		-0.05	0.09	-0.07	0.07	0.15	-0.40
		0.07	0.27	-0.12	-0.17	-0.16	-0.51
							0.00

AGR UNIV NORWAY

CEREAL STAFF

LATITUDE 060 00'N

DATE PLANTED 5/ 7/80

NITROGEN APPLIED

LONGITUDE 011 00'E

DATE HARVESTED 9/22/80

PHOSPHORUS APPLIED

ELEVATION 0090 M.ABOVE S.L. AMOUNT OF MOISTURE 227 MM

POTASSIUM APPLIED

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.

MODERATE DISEASE INCIDENCE. SLIGHT INSECT DAMAGE. MODERATE WEED PROBLEM.

NEGLECTIBLE BIRD DAMAGE. CHEMICAL CONTROL OF WEEDS.

HAND WEEDING. LOCAL CHECK: RUNAR (POOR GERMINATION)

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	PLNT HT	1000 G.W.	POWD %	PROT %
22	GLENLEA	CANADA	3269	76	-	101	46	26	16
44	HAZERA 806/1976	ISRAEL	3141	75	56	68	34	41	14
36	ANTIZANA	ECUADOR	2936	74	56	76	39	11	15
8	ZARAGURO "S"	ECUADOR	2897	74	-	89	35	11	15
37	SIETE CERROS	MEXICO	2885	71	-	78	30	15	14
38	MAPACHE (TCL.)	MEXICO	2782	59	58	93	40	0	12
42	BUCK BUCK "S"	MEXICO	2782	73	-	68	39	7	15
34	JUNCO "S"	MEXICO	2769	72	56	79	34	22	14
1	Q. T. 4083	AUSTRALIA	2756	69	-	91	35	33	14
4	KAVKO "S"	KENYA	2731	74	57	91	36	0	15
24	KLEIN CHAMACO	ARGENTINA	2731	78	58	80	30	29	15
47	MAHISA 18	SPAIN	2667	69	58	76	30	26	14
14	INIA/SON64-P4160EXSON64	PAKISTAN	2590	71	58	75	36	45	13
35	MN 7086	U.S.A.	2577	77	-	84	37	18	15
26	UP 262	INDIA	2564	75	58	75	37	41	17
16	ALONDRA "S"	MEX/BRAZ	2538	72	-	79	42	4	14
9	TITMOUSE "S"	MEXICO	2538	73	57	61	35	22	15
46	MALABADI	TURKEY	2538	71	57	68	35	52	14
6	VEERY "S"	MEXICO	2526	73	-	68	31	0	15
29	IMURIS T79	MEXICO	2513	67	-	70	37	7	15
31	NACAZARI 76	MEXICO	2513	70	56	70	30	15	14
3	CHIVITO	GUATEMALA	2449	71	56	83	41	18	13
41	MARCOS JUAREZ INTA	ARGENTINA	2449	74	-	84	42	15	15
30	LAP 286	ARGENTINA	2436	76	51	74	34	18	18
18	BUCK BUCK "S"	MEXICO	2423	73	-	68	36	15	14
39	BOBWHITE "S"	MEXICO ***	2256	77	-	70	31	18	14
25	CHAT "S"	MEXICO	2256	71	-	67	31	4	15
23	DOUGGA	TUNISIA	2244	71	-	71	29	0	15
17	FLICKER "S"	MEXICO	2218	64	-	71	34	26	12
11	PAVON "S"	MEXICO	2205	75	-	75	32	29	15
15	MAYA 74 "S"-MONCHO "S"	MEXICO	2154	71	58	67	43	0	16
49	HP 1209	INDIA	2102	74	56	70	47	33	16
10	PAVON 76	MEXICO	1974	76	-	74	35	22	14
19	SUN 11 B - 15	AUSTRALIA	1974	69	58	73	41	15	17
33	HD 2172	INDIA	1923	66	-	75	32	0	14
2	PIMA 77	MEXICO	1910	64	56	64	32	56	14
40	ABU GHRAIB # 3	IRAQ	1910	70	57	69	31	22	14
40	HEIMA-COC75 X BLUEJAY "S"	MEXICO	1897	73	58	73	38	18	16
13	ESTANZUELA DAKARU	URUGUAY	1885	74	58	88	39	4	16
5	SONALIKA	INDIA	1859	73	55	78	38	44	15
45	MAIPO "S"-PJ62XEMU "S"	MEXICO	1808	69	57	71	46	7	17
7	PK 3563 - CH 70	PAKISTAN	1641	70	-	79	30	67	13
20	K 6106.3	KENYA	1590	70	57	75	35	7	18
32	BITTERN "S" (DURUM)	MEXICO	1590	66	57	62	34	4	17
21	S 331 - NOR 67	LEBANON	1577	64	-	78	33	7	13
12	ROMI	SPAIN	1513	74	-	80	32	15	13
27	CHUKAR "S"	MEXICO	1320	67	-	67	35	52	17
43	Q. T. 4081	AUSTRALIA	1192	65	-	64	26	29	16
28	ANZA	U.S.A.	800	69	-	63	25	41	16
50	LOCAL CHECK		556	-	-	87	33	41	17

GRAND MEAN	2227.2	71.2	56.7	75.2	35.2	21.0	14.9
STANDARD ERROR OF GRAND MEAN	37.2			0.4			
COEFFICIENT OF VARIATION AS PC	20.5			6.5			
LSA VARIETY MEANS 5 PC	738.3			7.9			

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	PLNT HT	1000 G.W.	POWD %	PROT %
	0.34					
	-0.04	-0.25				
	0.31	0.19	0.11			
	0.29	0.15	0.11	0.33		
	-0.21	0.03	-0.14	-0.11	-0.21	
	-0.32	0.25	-0.21	-0.15	0.20	-0.06

RADZIKOW

CEREAL STAFF

LATITUDE	052 12'N	DATE PLANTED	4/13/80	NITROGEN	APPLIED
LONGITUDE	029 39'E	DATE HARVESTED	8/28/80	PHOSPHORUS	APPLIED
ELEVATION	0090 M.ABOVE S.L.	AMOUNT OF MOISTURE	263 MM	POTASSIUM	APPLIED

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.

MODERATE DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE.

NO WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.

MECHANICAL CONTROL OF WEEDS. CHEMICAL CONTROL OF WEEDS. LOCAL CHECK: YARA

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	PLNT HT	LODG %	1000 G.W.	POWD %	SEPT TRIT	SEPT NODO
42	BUCK BUCK "S"	MEXICO	4833	75	68	0	41	7	33	44
50	LOCAL CHECK		4766	72	94	47	33	0	44	29
9	TITMOUSE "S"	MEXICO	4111	76	72	23	34	44	56	89
8	ZARAGURO "S"	ECUADOR	4066	69	91	50	27	22	44	37
38	MAPACHE (TCL.)	MEXICO	3844	58	100	3	33	0	22	22
35	MN 7086	U.S.A.	3833	75	80	30	39	29	44	48
22	GLENLEA	CANADA	3711	78	110	33	41	15	44	26
24	KLEIN CHAMACO	ARGENTINA	3677	79	80	13	34	11	71	48
10	PAVON 76	MEXICO ***	3622	77	78	47	37	7	60	71
14	INIA/SON64-P4160EXSON64	PAKISTAN	3611	70	78	63	31	52	78	89
29	IMURIS T79	MEXICO	3600	71	72	0	34	11	33	56
11	PAVON "S"	MEXICO	3566	77	84	47	33	7	67	82
33	HD 2172	INDIA	3500	74	82	63	35	0	48	56
16	ALONDRA "S"	MEX/BRAZ	3489	74	79	13	41	29	56	67
25	CHAT "S"	MEXICO	3466	71	72	0	33	26	67	63
34	JUNCO "S"	MEXICO	3450	73	82	0	33	15	56	67
15	MAYA 74"S"-MONCHO "S"	MEXICO	3211	75	71	7	39	11	67	67
26	UP 262	INDIA	3166	75	77	0	42	100	44	78
17	FLICKER "S"	MEXICO	3111	69	75	13	33	37	74	89
18	BUCK BUCK "S"	MEXICO	3089	71	75	7	33	18	78	89
1	Q. T. 4083	AUSTRALIA	3055	69	90	50	31	7	33	33
37	SIETE CERROS	MEXICO	3055	74	77	0	31	0	89	63
5	SONALIKA	INDIA	3055	74	72	10	43	15	71	74
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3033	77	73	0	45	0	67	59
3	CHIVITO	GUATEMALA	3022	68	91	63	36	11	11	89
44	HAZERA 006/1976	ISRAEL	3022	77	59	17	36	44	67	63
30	LAP 286	ARGENTINA	3011	76	77	33	31	22	78	67
40	ABU GHRAIB # 3	IRAQ	2900	71	75	0	30	100	71	82
6	VEERY "S"	MEXICO	2866	74	67	0	32	26	82	71
7	PK 3563 - CH 70	PAKISTAN	2844	74	80	27	31	100	56	67
28	ANZA	U.S.A.	2822	74	69	0	31	26	67	74
36	ANTIZANA	ECUADOR	2800	74	77	33	35	0	82	44
20	K 6106.3	KENYA	2800	73	81	3	35	0	74	63
31	NACQZARI 76	MEXICO	2766	70	75	3	31	100	85	96
39	BOBWITE "S"	MEXICO	2744	76	67	3	31	48	48	59
41	MARCOS JUAREZ INTA	ARGENTINA	2678	74	82	7	36	15	82	74
13	ESTANZUELA DAKARU	URUGUAY	2589	75	93	37	32	11	44	48
2	PIMA 77	MEXICO	2566	69	69	33	30	100	82	100
4	KAVKO "S"	KENYA	2533	74	90	7	32	100	59	100
43	Q. T. 4081	AUSTRALIA	2522	70	73	3	32	63	67	59
47	MAHISSA 18	SPAIN	2478	70	79	0	28	0	82	74
23	DOUGGA	TUNISIA	2322	71	78	0	29	11	60	78
12	ROMI	SPAIN	2222	70	87	40	28	15	85	71
49	HP 1209	INDIA	2144	78	71	0	47	40	60	89
19	SUN 11 B - 15	AUSTRALIA	2055	72	68	47	38	0	82	89
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	2022	75	62	10	38	63	56	82
46	MALABADI	TURKEY	1878	71	71	60	29	100	59	93
27	CHUKAR "S"	MEXICO	1822	73	76	0	34	100	78	100
32	BITTERN "S" (DURUM)	MEXICO	1422	67	69	3	29	11	60	82
21	S 331 - NOR 67	LEBANON	1033	55	89	10	20	37	85	82
GRAND MEAN			2996.0	72.4	78.2	19.2	33.9	32.3	62.1	68.8
STANDARD ERROR OF GRAND MEAN			51.1	0.3	0.5		0.4			
COEFFICIENT OF VARIATION AS PC			20.9	5.4	7.1		13.4			
LSD VARIETY MEANS 5 PC			1014.6	6.3	9.0		7.3			

CORRELATIONS

YIELD KG/HA	TEST WT	PLNT HT	LODG %	1000 G.W.	POWD %	SEPT TRIT	SEPT NODO
	0.30						
	0.24	-0.28					
	0.18	-0.00	0.35				
	0.31	0.61	-0.16	-0.12			
	-0.32	-0.02	-0.24	-0.12	-0.14		
	-0.45	0.04	-0.37	-0.22	-0.25	0.14	
	-0.56	-0.04	-0.46	-0.10	-0.12	0.55	0.48

PBS ALENTEJO

CEREAL STAFF

LATITUDE #18 54'N

LONGITUDE 007 09'W

ELEVATION 0208 M.ABOVE S.L.

DATE PLANTED 11/22/79

DATE HARVESTED 6/17/80

AMOUNT OF MOISTURE 222 MM

NITROGEN APPLIED

PHOSPHORUS APPLIED

POTASSIUM APPLIED

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT.L	LEAF RUST	STEM RUST	PLNT HT	1000 G.W.	POWD %	SEPT TRIT
8	ZARAGURO "S"	ECUADOR	4896	81	137	192	0	0	0	111	33	44	22
6	VEERY "S"	MEXICO	4756	83	137	189	0	0	0	94	37	22	33
9	TITHOUSE "S"	MEXICO	4672	82	135	188	0	0	0	94	32	67	33
42	BUCK BUCK "S"	MEXICO	4516	79	136	195	0	0	0	90	32	33	22
32	BITTERN "S" (DURUM)	MEXICO	4490	83	137	189	0	0	0	91	49	22	22
31	NACUZARI 76	MEXICO	4464	82	136	189	0	0	0	97	34	56	56
37	SIETE CERROS	MEXICO	4323	82	139	195	40S	30S	10S	102	33	56	33
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	4307	82	134	189	0	0	0	90	36	56	22
28	ANZA	U.S.A.	4305	79	140	195	TMS	0	10S	90	33	22	22
18	BUCK BUCK "S"	MEXICO	4304	81	138	194	0	0	0	94	32	44	22
36	ANTIZANA	ECUADOR	4290	82	131	190	0	TS	TS	97	42	56	56
41	MARCOS JUAREZ INTA	ARGENTINA	4288	81	135	189	80S	0	0	106	40	56	33
24	KLEIN CHAMACO	ARGENTINA	4287	83	136	190	10MR	0	0	106	27	56	33
16	ALONDRA "S"	MEX/BRAZ	4248	81	136	189	0	5R	0	106	39	11	11
23	DOUGGA	TUNISIA	4236	84	140	195	0	0	0	102	30	33	33
40	ABU GHRAIB # 3	IRAQ	4231	80	133	190	20S	20S	30S	98	28	44	22
38	MAPACHE (TCL.)	MEXICO	4225	71	135	192	0	0	0	117	39	0	0
45	MAIPO"S"-PJ62XEMU"S"	MEXICO ***	4164	82	136	188	0	0	0	95	35	33	22
29	IMURIS T79	MEXICO	4124	83	137	195	0	0	0	95	35	33	33
47	MAHISSA 18	SPAIN	4084	79	136	194	100VS	0	0	100	31	56	22
17	FLICKER "S"	MEXICO	4063	81	135	189	30S	0	0	93	36	67	22
2	PINA 77	MEXICO	4052	80	136	192	0	TMS	0	100	32	56	33
46	MALABADI	TURKEY	4051	79	136	193	0	TS	0	97	32	67	22
14	INIA/SONG4-P4160EXSON64	PAKISTAN	4043	83	136	192	TMR	0	0	105	41	44	33
39	BOBWHITE "S"	MEXICO	4036	83	139	194	0	0	0	105	30	33	11
11	PAVON "S"	MEXICO	3940	82	137	192	5MR	0	0	103	32	56	22
44	HAZERA 806/1976	ISRAEL	3800	80	135	191	80S	20S	0	102	28	78	33
27	CHUKAR "S"	MEXICO	3791	82	136	189	20S	0	0	100	35	56	56
34	JUNCO "S"	MEXICO	3772	82	137	188	60S	0	0	109	33	56	56
43	Q. T. 4081	AUSTRALIA	3761	81	137	194	0	0	0	91	29	11	33
12	ROMI	SPAIN	3754	82	136	193	0	5MR	5S	107	33	33	22
3	CHIVITO	GUATEMALA	3739	77	137	197	0	0	0	114	39	22	22
33	HD 2172	INDIA	3709	82	139	193	0	0	0	100	31	33	33
26	UP 262	INDIA	3705	83	133	187	60S	0	0	101	40	56	56
15	MAYA 74"S"-MONCHO "S"	MEXICO	3631	82	135	192	5S	0	0	100	37	44	44
25	CHAT "S"	MEXICO	3617	82	141	190	5S	0	0	103	40	22	22
7	PK 3563 - CH 70	PAKISTAN	3435	84	143	196	TMS	0	0	100	34	67	44
10	PAVON 76	MEXICO	3433	83	136	189	5S	0	0	95	32	44	33
5	SONALIKA	INDIA	3409	80	126	187	0	0	0	98	39	44	44
50	LOCAL CHECK		3277	75	138	193	0	0	0	92	35	67	22
19	SUN 11 B - 15	AUSTRALIA	3255	79	136	189	100VS	0	0	103	39	33	67
13	ESTANZUELA DAKARU	URUGUAY	3221	81	137	196	40S	0	0	121	33	44	22
22	GLENLEA	CANADA	3122	82	139	194	0	0	0	126	43	22	22
21	S 331 - NOR 67	LEBANON	3089	81	141	195	0	0	0	107	35	67	33
4	KAVKO "S"	KENYA	2929	82	138	194	0	0	0	128	34	22	11
1	Q. T. 4083	AUSTRALIA	2921	78	137	194	TR	0	0	108	34	33	22
35	MN 7086	U.S.A.	2911	82	155	198	0	0	0	107	31	44	44
30	LAP 286	ARGENTINA	2874	82	151	196	5S	0	0	112	28	56	56
49	HP 1209	INDIA	2874	78	131	188	0	0	0	96	39	67	22
20	K 6106.3	KENYA	2827	79	138	193	0	0	0	99	33	33	22

GRAND MEAN 3845.0 80.9 137.1 191.9 13.2 1.5 1.1 101.9 34.7 43.5 30.7
 STANDARD ERROR OF GRAND MEAN 29.4 0.0
 COEFFICIENT OF VARIATION AS PC 9.4 1.0 6.3
 LSD VARIETY MEANS 5 PC 582.9 1.3 10.4

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT.L	LEAF RUST	STEM RUST	PLNT HT	1000 G.W.	POWD %	SEPT TRIT
	0.14									
	-0.31	0.19								
	-0.29	-0.10	0.65							
	-0.02	-0.06	-0.14	-0.21						
	0.15	-0.00	-0.06	0.04	0.29					
	0.17	-0.06	-0.09	0.01	0.04	0.63				
	-0.40	-0.08	0.24	0.33	-0.09	-0.03	-0.11			
	0.01	-0.07	-0.30	-0.36	-0.02	-0.25	-0.23	0.06		
	-0.06	0.16	-0.07	-0.17	0.29	0.22	-0.03	-0.24	-0.26	
	-0.14	0.39	0.09	-0.23	0.33	-0.02	-0.11	-0.14	0.01	0.39

FUNDULEA

CEREAL STAFF

LATITUDE 044 03'N DATE PLANTED 3/21/80
 LONGITUDE 024 10'E DATE HARVESTED 7/23/80
 ELEVATION 0066 M.ABOVE S.L. AMOUNT OF MOISTURE 286 MM

NITROGEN APPLIED
 PHOSPHORUS APPLIED
 POTASSIUM --

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 MODERATE DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE.
 SLIGHT WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.
 HAND WEEDING. LOCAL CHECK NAME NOT REPORTED.

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	LEAF RUST	PLNT HT	LODG %	1000 G.W.	POWD %
18	BUCK BUCK "S"	MEXICO	2833	80	10-15R-MR	90	0	35	22
8	ZARAGURO "S"	ECUADOR	2733	76	5-10R	100	83	30	33
38	MAPACHE (TCL.)	MEXICO	2666	66	0	118	0	33	0
29	IMURIS T79	MEXICO	2622	78	0	87	0	38	22
35	MN 7086	U.S.A. ***	2555	78	0	97	53	31	22
16	ALONDRA "S"	MEX/BRAZ	2533	78	70S	95	0	40	74
34	JUNCO "S"	MEXICO	2533	78	0	97	0	35	33
14	INIA/SON64-P4160EXSON64	PAKISTAN	2455	80	0	88	17	38	40
3	CHIVITO	GUATEMALA	2444	76	5R	98	33	35	33
46	MALABADI	TURKEY	2389	77	0	88	3	32	44
30	LAP 286	ARGENTINA	2344	79	0	92	37	28	60
25	CHAT "S"	MEXICO	2344	76	0	93	0	31	71
31	NACQZARI 76	MEXICO	2333	80	0	90	0	33	48
7	PK 3563 - CH 70	PAKISTAN	2322	79	20-30MS	92	0	34	63
22	GLENLEA	CANADA	2322	77	20MR-MS	118	80	40	33
6	VEERY "S"	MEXICO	2278	78	5-10R	83	0	30	60
39	BOBWHITE "S"	MEXICO	2266	81	0	88	3	28	48
2	PIMA 77	MEXICO	2211	77	60S	85	0	30	60
20	K 6106.3	KENYA	2200	77	0	95	33	32	44
9	TITMOUSE "S"	MEXICO	2178	79	0	87	7	32	48
41	MARCOS JUAREZ INTA	ARGENTINA	2166	79	0	92	13	39	33
42	BUCK BUCK "S"	MEXICO	2166	78	0	85	0	36	33
44	HAZERA 006/1976	ISRAEL	2166	80	0	82	17	32	82
36	ANTIZANA	ECUADOR	2166	79	0	93	0	38	48
32	BITTERN "S" (DURUM)	MEXICO	2166	75	0	90	0	36	11
10	PAVON 76	MEXICO	2122	79	0	95	0	33	48
50	LOCAL CHECK		2122	73	50-60S	120	27	30	37
1	Q. T. 4003	AUSTRALIA	2111	76	0	93	2	37	48
12	ROMI	SPAIN	2111	78	30-40MS-S	90	0	30	22
26	UP 262	INDIA	2089	80	0	83	27	41	71
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	2066	80	0	82	0	35	60
15	MAYA 74"S"-MONCHO "S"	MEXICO	2044	77	0	90	0	35	22
47	MAHISSA 18	SPAIN	2044	76	0	90	0	29	60
33	HD 2172	INDIA	2033	78	0	92	7	36	22
37	SIETE CERROS	MEXICO	2011	76	5-10R	85	0	27	33
5	SONALIKA	INDIA	2011	78	5-10R	88	20	40	33
11	PAVON "S"	MEXICO	1989	77	0	95	0	30	40
40	ABU GHRAIB # 3	IRAQ	1944	78	0	85	0	30	44
24	KLEIN CHAMACO	ARGENTINA	1911	80	0	92	23	29	40
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	1900	78	0	88	0	41	33
23	DOUGGA	TUNISIA	1733	78	0	87	0	30	33
13	ESTANZUELA DAKARU	URUGUAY	1644	79	80-90VS	105	20	32	22
43	Q. T. 4001	AUSTRALIA	1644	77	0	80	0	25	22
17	FLICKER "S"	MEXICO	1533	75	10-20R-MR	85	0	28	82
4	KAVKO "S"	KENYA	1500	78	70-80S	95	7	29	60
19	SUN 11 B - 15	AUSTRALIA	1433	72	0	85	33	34	44
21	S 331 - NOR 67	LEBANON	1389	70	0	81	0	27	48
49	HP 1209	INDIA	1378	78	0	90	8	43	82
28	ANZA	U.S.A.	1344	76	0	83	0	25	33
27	CHUKAR "S"	MEXICO	1211	80	0-30MR-MS	87	0	36	48

GRAND MEAN 2094.2 77.3 8.6 91.4 11.1 33.2 43.0
 STANDARD ERROR OF GRAND MEAN 11.2 0.0 0.3 0.3 0.0
 COEFFICIENT OF VARIATION AS PC 6.6 0.8 4.7 2.6
 LSD VARIETY MEANS 5 PC 222.7 1.0 6.9 1.4

CORRELATIONS

YIELD KG/HA	TEST WT	LEAF RUST	PLNT HT	LODG %	1000 G.W.	POWD %
	0.09					
	-0.08	0.00				
	0.34	-0.35	0.37			
	0.23	-0.03	0.04	0.46		
	0.20	0.22	-0.04	0.13	0.08	
	-0.22	0.27	0.06	-0.33	-0.09	0.02

EL ENCINAL
CEREAL STAFF

LATITUDE 038 01'N

DATE PLANTED 12/21/79

NITROGEN APPLIED

LONGITUDE 000 40'W

DATE HARVESTED 6/22/80

PHOSPHORUS APPLIED

ELEVATION 200 M.ABOVE S.L. AMOUNT OF MOISTURE 643 MM

POTASSIUM --

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
SLIGHT DISEASE INCIDENCE. SLIGHT INSECT DAMAGE. SLIGHT WEED PROBLEM.
SLIGHT BIRD DAMAGE. CHEMICAL CONTROL OF INSECTS. CHEMICAL CONTROL OF WEEDS.
ABNORMAL WEATHER. LOCAL CHECK MARA.

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	PLNT HT	1000 G.W.	POWD %
38	MAPACHE (TCL.)	MEXICO	6888	71	117	128	39	-
32	BITTERN "S" (DURUM)	MEXICO	6666	82	122	104	51	11
28	ANZA	U.S.A.	6333	82	125	98	33	50
6	VEERY "S"	MEXICO	5999	83	122	98	38	-
37	SIETE CERROS	MEXICO	5888	80	126	112	35	28
39	BOBWHITE "S"	MEXICO	5888	83	125	115	35	22
31	NACAZARI 76	MEXICO	5777	80	123	110	35	59
14	INTA/SON64-P4160EXSON64	PAKISTAN ***	5555	82	121	113	41	22
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	5555	81	120	108	44	17
9	TITMOUSE "S"	MEXICO	5444	80	121	103	33	33
47	MAHISSA 18	SPAIN	5444	79	123	118	34	17
16	ALONDRA "S"	MEX/BRAZ	5333	79	122	115	41	-
40	ABU GHRAIB # 3	IRAQ	5333	80	118	110	30	78
11	PAVON "S"	MEXICO	5222	82	125	103	36	56
10	PAVON 76	MEXICO	5111	81	123	105	34	37
15	MAYA 74"S"-MONCHO "S"	MEXICO	5111	80	120	110	40	22
34	JUNCO "S"	MEXICO	5111	81	122	117	38	48
18	BUCK BUCK "S"	MEXICO	5000	80	124	100	31	22
25	CHAT "S"	MEXICO	5000	79	127	114	39	-
41	MARCOS JUAREZ INTA	ARGENTINA	5000	82	119	118	42	45
12	ROMI	SPAIN	5000	80	120	108	33	78
2	PIMA 77	MEXICO	5000	79	122	108	32	22
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	5000	81	119	100	41	59
29	IMURIS T79	MEXICO	4888	78	126	95	31	50
23	DOUGGA	TUNISIA	4888	78	127	108	32	-
8	ZARAGURO "S"	ECUADOR	4777	78	124	116	31	11
36	ANTIZANA	ECUADOR	4777	80	117	106	37	82
42	BUCK BUCK "S"	MEXICO	4666	77	125	96	32	22
43	Q. T. 4081	AUSTRALIA	4666	81	124	103	30	-
33	HD 2172	INDIA	4666	80	124	107	35	-
46	MALABADI	TURKEY	4666	77	122	103	31	56
27	CHUKAR "S"	MEXICO	4666	84	119	109	41	63
35	MN 7086	U.S.A.	4666	79	135	116	31	17
26	UP 262	INDIA	4555	82	117	112	45	73
17	FLICKER "S"	MEXICO	4444	80	122	105	35	48
7	PK 3563 - CH 70	PAKISTAN	4333	81	127	108	35	33
44	HAZERA 806/1976	ISRAEL	4333	82	121	99	37	74
24	KLEIN CHAMACO	ARGENTINA	4222	81	120	118	31	17
50	LOCAL CHECK		4222	79	129	93	32	-
5	SONALIKA	INDIA	4111	82	115	109	48	22
19	SUN 11 B - 15	AUSTRALIA	4111	79	120	105	42	22
1	Q. T. 4083	AUSTRALIA	4111	80	125	114	39	33
49	HP 1209	INDIA	4111	80	118	101	43	85
3	CHIVITO	GUATEMALA	4111	76	124	110	38	-
30	LAP 286	ARGENTINA	3777	77	133	111	28	17
21	S 331 - NOR 67	LEBANON	3777	74	128	120	31	22
13	ESTANZUELA DAKARU	URUGUAY	3666	78	126	123	31	11
4	KAVKO "S"	KENYA	3555	80	128	121	35	-
22	GLENLEA	CANADA	3555	80	126	120	43	33
20	K 6106.3	KENYA	3444	78	124	103	31	-

GRAND MEAN 4848.4 79.8 123.1 108.9 36.2 42.2
STANDARD ERROR OF GRAND MEAN 55.8 0.1 0.5 0.2
COEFFICIENT OF VARIATION AS PC 14.1 1.7 5.3 7.4
LSD VARIETY MEANS 5 PC 1106.8 2.2 9.4 4.3

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	PLNT HT	1000 G.W.	POWD %
	0.15				
	-0.26	-0.25			
	-0.06	-0.29	0.05		
	0.19	0.37	-0.53	0.09	
	0.00	0.23	-0.47	-0.35	0.09

I.N.I.A.

CEREAL STAFF

LATITUDE	040 26'N	DATE PLANTED	2/ 7/80	NITROGEN	APPLIED
LONGITUDE	003 51'W	DATE HARVESTED	7/23/80	PHOSPHORUS	APPLIED
ELEVATION	0490 M.ABOVE S.L.	AMOUNT OF MOISTURE	-- MM	POTASSIUM	APPLIED

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 MODERATE DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. NO WEED PROBLEM.
 SLIGHT BIRD DAMAGE. HAND WEEDING. WEATHER NORMAL.
 LOCAL CHECK: ARIANA.8

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT.L	PLNT HT	1000 G.W.	POWD %
10	PAVON 76	MEXICO	2631	78	101	135	40S	81	36	41
5	SONALIKA	INDIA	2623	75	96	134	TMR	90	42	63
11	PAVON "S"	MEXICO	2516	78	102	135	50S	79	35	33
8	ZARAGURO "S"	ECUADOR	2480	76	102	137	0	92	32	18
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	2476	77	101	137	0	74	39	33
9	TITMOUSE "S"	MEXICO	2400	76	99	131	TMR	77	32	37
40	ABU GHRAIB # 3	IRAQ	2396	78	100	134	30S	79	30	18
2	PIMA 77	MEXICO	2365	76	99	133	0	77	34	33
31	NACCOZARI 76	MEXICO	2360	78	101	132	70S	82	39	22
34	JUNCO "S"	MEXICO	2343	77	102	137	80S	89	35	33
43	Q. T. 4001	AUSTRALIA	2320	77	102	134	TS	75	31	26
30	LAP 206	ARGENTINA	2316	76	98	133	50S	84	32	60
16	ALONDRA "S"	MEX/BRAZ	2280	73	101	133	10S	84	38	26
23	DOUGGA	TUNISIA	2271	77	105	137	20MS	81	36	26
14	INIA/SON64-P4160EXSON64	PAKISTAN	2249	76	102	134	50S	81	37	44
42	BUCK BUCK "S"	MEXICO	2245	76	104	138	TS	71	35	22
37	SIETE CERROS	MEXICO	2200	75	105	136	80S	76	31	26
22	GLENLEA	CANADA	2142	78	104	138	TMS	100	41	18
1	Q. T. 4003	AUSTRALIA	2134	74	105	137	TMR	100	35	22
38	MAPACHE (TCL.)	MEXICO	2120	71	98	136	0	96	36	7
36	ANTIZANA	ECUADOR	2116	77	98	133	TR	75	38	56
7	PK 3563 - CH 70	PAKISTAN ***	2098	77	102	133	5MS	71	37	45
28	ANZA	U.S.A.	2076	77	101	137	10MS	73	35	37
17	FLICKER "S"	MEXICO	2071	73	102	135	60S	76	32	33
24	KLEIN CHAMACO	ARGENTINA	2049	78	100	136	10S	93	28	41
50	LOCAL CHECK		2040	80	107	137	30S	112	38	48
6	VEERY "S"	MEXICO	2031	78	103	131	0	69	34	7
33	HD 2172	INDIA	2022	79	104	137	10MS	82	40	29
47	MAHISSA 18	SPAIN	2000	74	102	136	65S	86	29	33
39	BOBWHITE "S"	MEXICO	1982	79	103	134	0	83	31	26
12	ROMI	SPAIN	1960	77	102	138	TMR	78	35	18
13	ESTANZUELA DAKARU	URUGUAY	1956	76	101	137	50S	107	29	59
3	CHIVITO	GUATEMALA	1898	75	102	138	0	90	39	22
26	UP 262	INDIA	1867	77	96	129	80S	78	39	30
15	MAYA 74"S"-MONCHO "S"	MEXICO	1854	76	100	136	40S	74	40	22
46	MALABADI	TURKEY	1849	76	101	134	TS	79	32	44
44	HAZERA 806/1976	ISRAEL	1845	77	102	131	90S	67	31	33
32	BITTERN "S"(DURUM)	MEXICO	1836	79	100	135	TS	74	48	7
41	MARCOS JUAREZ INTA	ARGENTINA	1809	77	98	132	80S	78	39	26
29	IMURIS T79	MEXICO	1805	77	104	135	TR	72	33	30
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	1800	79	101	134	0	77	41	33
27	CHUKAR "S"	MEXICO	1796	78	102	132	20S	73	36	52
25	CHAT "S"	MEXICO	1769	76	105	137	10MS	81	39	29
35	MN 7086	U.S.A.	1734	79	105	136	50S	86	31	26
4	KAVKO "S"	KENYA	1729	80	101	135	0	100	32	11
18	BUCK BUCK "S"	MEXICO	1658	77	103	135	TMR	71	33	37
21	S 331 - NOR 67	LEBANON	1645	73	106	135	60S	82	35	33
49	HP 1209	INDIA	1556	78	98	133	10S	80	42	41
19	SUN 11 B - 15	AUSTRALIA	1534	76	102	131	90S	71	35	0
20	K 6106.3	KENYA	1271	77	104	136	TMR	80	33	18
GRAND MEAN			2050.5	76.7	101.7	134.7	20.5	81.8	35.3	30.7
STANDARD ERROR OF GRAND MEAN			21.7	0.2					0.2	
COEFFICIENT OF VARIATION AS PC			12.9	2.4					7.4	
LSD VARIETY MEANS 5 PC			429.7	3.0					4.2	

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT.L	PLNT HT	1000 G.W.	POWD %
	-0.12						
	-0.21	0.10					
	0.08	-0.07	0.50				
	-0.05	-0.13	0.00	-0.30			
	0.12	-0.02	0.13	0.46	-0.10		
	-0.04	0.14	-0.20	-0.01	-0.20	-0.04	
	0.23	0.01	-0.23	-0.10	0.05	0.09	-0.07

SVALOV

CEREAL STAFF

LATITUDE	056 00'N	DATE PLANTED	4/16/80	NITROGEN	APPLIED
LONGITUDE	013 00'E	DATE HARVESTED	9/ 8/80	PHOSPHORUS	APPLIED
ELEVATION	0050 M.ABOVE S.L.	AMOUNT OF MOISTURE	451 MM	POTASSIUM	APPLIED

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 MODERATE DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE.
 NO WEED PROBLEM. CHEMICAL CONTROL OF WEEDS.
 LOCAL CHECK: DRABANT

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	PLNT HT	SHTR %	1000 G.W.
50	LOCAL CHECK		4897	75	72	98	0	37
3	CHIVITO	GUATEMALA	4217	71	67	90	22	46
38	MAPACHE (TCL.)	MEXICO	4081	62	65	100	0	43
35	MN 7086	U.S.A.	4081	75	67	85	7	38
22	GLENLEA	CANADA	4081	76	67	110	0	49
28	ANZA	U.S.A. ***	3809	75	67	68	0	36
39	BOBWHITE "S"	MEXICO	3809	77	68	78	0	35
1	Q. T. 4083	AUSTRALIA	3809	72	70	90	0	38
33	HD 2172	INDIA	3673	70	67	80	0	38
41	MARCOS JUAREZ INTA	ARGENTINA	3537	74	66	82	0	45
36	ANTIZANA	ECUADOR	3537	74	66	80	0	44
5	SONALIKA	INDIA	3537	71	65	75	0	43
8	ZARAGURO "S"	ECUADOR	3481	73	70	90	7	34
34	JUNCO "S"	MEXICO	3401	73	66	88	22	38
20	K 6106.3	KENYA	3401	72	67	80	0	36
31	NACCOZARI 76	MEXICO	3401	70	67	72	0	35
24	KLEIN CHAMACO	ARGENTINA	3401	70	67	80	0	34
32	BITTERN "S" (DURUM)	MEXICO	3265	70	66	65	0	37
30	LAP 286	ARGENTINA	3265	73	66	72	0	28
44	HAZERA 806/1976	ISRAEL	3265	74	66	70	0	37
10	PAVON 76	MEXICO	3265	74	67	80	26	41
6	VEERY "S"	MEXICO	3129	75	68	67	0	35
7	PK 3563 - CH 70	PAKISTAN	3129	73	69	80	15	39
40	ABU GHRAIB # 3	IRAQ	3129	72	66	73	0	32
21	S 331 - NOR 67	LEBANON	2993	67	71	82	0	33
37	SIETE CERROS	MEXICO	2993	72	69	80	0	32
23	DOUGGA	TUNISIA	2857	75	70	80	15	35
42	BUCK BUCK "S"	MEXICO	2857	73	70	77	26	42
43	Q. T. 4081	AUSTRALIA	2857	75	67	67	0	34
15	MAYA 74"S"-MONCHO "S"	MEXICO	2857	71	66	72	0	46
46	MALABADI	TURKEY	2857	67	66	70	0	40
25	CHAT "S"	MEXICO	2857	76	69	80	7	41
13	ESTANZUELA DAKARU	URUGUAY	2721	74	66	90	0	37
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	2721	75	67	78	0	48
29	IMURIS T79	MEXICO	2585	71	70	78	29	41
9	TITMOUSE "S"	MEXICO	2585	72	67	67	40	37
11	PAVON "S"	MEXICO	2585	74	67	83	26	41
26	UP 262	INDIA	2585	74	65	73	0	47
27	CHUKAR "S"	MEXICO	2585	73	69	77	0	38
47	MAHISSA 18	SPAIN	2313	74	67	72	0	35
19	SUN 11 B - 15	AUSTRALIA	2177	66	66	65	0	35
14	INIA/SON64-P4160EXSON64	PAKISTAN	2177	73	67	82	44	38
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	2177	72	67	67	0	44
4	KAVKO "S"	KENYA	2177	74	67	85	48	36
2	PIMA 77	MEXICO	2041	66	67	72	0	38
17	FLICKER "S"	MEXICO	2041	63	66	70	0	37
49	HP 1209	INDIA	2041	70	66	73	0	51
12	ROMI	SPAIN	2041	72	67	82	37	28
18	BUCK BUCK "S"	MEXICO	1768	73	68	73	59	40
16	ALONDRA "S"	MEX/BRAZ	1496	72	67	82	71	45

GRAND MEAN	3009.1	72.2	67.3	78.6	10.0	38.7
STANDARD ERROR OF GRAND MEAN	41.5	0.1		0.3		0.1
COEFFICIENT OF VARIATION AS PC	16.9	0.9		4.1		3.4
LSD VARIETY MEANS 5 PC	823.0	1.1		5.2		2.2

CORRELATIONS

YIELD KG/HA					
TEST WT	0.21				
FLOW DAYS	0.15	0.22			
PLNT HT	0.48	0.13	0.27		
SHTR %	-0.47	0.10	0.11	0.09	
1000 G.W.	-0.00	-0.02	-0.24	0.21	0.05

AGRIC. RES. INST.

CEREAL STAFF

LATITUDE 35 04'N DATE PLANTED ---/---/---
 LONGITUDE 33 20'E DATE HARVESTED ---/---/---
 ELEVATION 150 M.ABOVE S.L. AMOUNT OF MOISTURE -- MM

NITROGEN APPLIED
 PHOSPHORUS APPLIED
 POTASSIUM --

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 NEGLIGIBLE DISEASE DEVELOPMENT. NEGLIGIBLE INSECT DAMAGE. SLIGHT WEED PROBLEM.
 NEGLIGIBLE BIRD DAMAGE. WEATHER NORMAL. CHEMICAL CONTROL OF WEEDS.
 LOCAL CHECK HAZERA 18

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	PLNT HT
33	HD 2172	INDIA	3852	98	80
32	BITTERN "S"(DURUM)	MEXICO	3628	98	80
41	MARCOS JUAREZ INTA	ARGENTINA	3552	94	90
37	SIETE CERROS	MEXICO	3486	99	88
18	BUCK BUCK "S"	MEXICO	3447	97	83
46	MALABADI	TURKEY	3438	96	80
13	ESTANZUELA DAKARU	URUGUAY	3419	96	98
42	BUCK BUCK "S"	MEXICO	3362	97	80
49	HP 1209	INDIA	3271	90	85
31	NACUZARI 76	MEXICO	3238	96	80
10	PAVON 76	MEXICO	3176	98	80
40	ABU GHRAIB # 3	IRAQ	3033	94	83
25	CHAT "S"	MEXICO	3014	100	80
17	FLICKER "S"	MEXICO	3014	98	78
38	MAPACHE (TCL.)	MEXICO	2976	93	103
6	VEERY "S"	MEXICO	2952	98	80
34	JUNCO "S"	MEXICO	2924	96	90
3	CHIVITO	GUATEMALA	2881	96	98
45	MAIPO "S"-PJ62XEMU"S"	MEXICO	2867	96	85
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	2833	94	80
11	PAVON "S"	MEXICO	2833	97	85
2	PIMA 77	MEXICO	2790	97	83
29	IMURIS T79	MEXICO	2786	98	78
36	ANTIZANA	ECUADOR	2762	90	80
1	Q. T. 4083	AUSTRALIA	2719	100	100
9	TITMOUSE "S"	MEXICO	2667	95	78
16	ALONDRA "S"	MEX/BRAZ ***	2657	97	85
15	MAYA 74"S"-MONCHO "S"	MEXICO	2643	96	83
22	GLENLEA	CANADA	2614	97	98
20	ANZA	U.S.A.	2600	98	78
47	MAHISSA 18	SPAIN	2576	96	93
8	ZARAGURO "S"	ECUADOR	2557	97	80
21	S 331 - NOR 67	LEBANON	2481	102	83
4	KAVKO "S"	KENYA	2409	97	103
14	INIA/SON64-P4160EXSON64	PAKISTAN	2409	96	85
19	SUN 11 B - 15	AUSTRALIA	2405	94	90
26	UP 262	INDIA	2367	92	85
35	MN 7086	U.S.A.	2362	113	85
27	CHUKAR "S"	MEXICO	2333	97	78
5	SONALIKA	INDIA	2271	88	83
30	LAP 286	ARGENTINA	2219	109	83
44	HAZERA 806/1976	ISRAEL	2214	95	85
39	BOBWHITE "S"	MEXICO	2195	98	90
23	DOUGGA	TUNISIA	2195	99	83
20	K 6106.3	KENYA	2157	98	80
50	LOCAL CHECK		2109	88	83
43	Q. T. 4081	AUSTRALIA	2105	99	70
12	FOMI	SPAIN	2076	97	85
7	PK 3563 - CH 70	PAKISTAN	1948	103	78
24	KLEIN CHAMACO	ARGENTINA	1928	96	83

GRAND MEAN 2735.0 96.9 84.6
 STANDARD ERROR OF GRAND MEAN 48.2
 COEFFICIENT OF VARIATION AS PC 21.6
 LSD VARIETY MEANS 5 PC 956.4

CORRELATIONS
 YIELD KG/HA
 FLOW DAYS -0.12
 PLNT HT 0.05 -0.10

ABU'GHRAIB
CEREAL STAFFLATITUDE 033 20'N
LONGITUDE 044 24'E
ELEVATION 0034 M.ABOVE S.L.DATE PLANTED 11/30/79
DATE HARVESTED 5/20/80
AMOUNT OF MOISTURE -- MMNITROGEN APPLIED
PHOSPHORUS APPLIED
POTASSIUM --NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION GOOD.
NEGLECTIBLE DISEASE DEVELOPMENT. NEGLECTIBLE INSECT DAMAGE.
MODERATE WEED PROBLEM. SLIGHT BIRD DAMAGE.
HAND WEEDING. LOCAL CHECK NAME NOT REPORTED.

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	PLNT HT	LODG %	1000 G.W.
24	KLEIN CHAMACO	ARGENTINA	3789	107	150	114	-	38
43	Q. T. 4081	AUSTRALIA	3747	112	150	92	-	41
28	ANZA	U.S.A.	3742	112	148	89	-	41
42	BUCK BUCK "S"	MEXICO	3727	110	154	92	-	43
18	BUCK BUCK "S"	MEXICO	3696	109	152	94	-	39
31	NACCOZARI 76	MEXICO	3514	108	148	98	-	40
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	3469	107	145	93	-	41
49	HP 1209	INDIA	3429	106	148	96	10	44
33	HD 2172	INDIA	3420	112	151	101	-	43
40	ABU GHRAIB # 3	IRAQ	3405	107	148	99	-	38
23	DOUGGA	TUNISIA	3400	114	153	100	-	45
9	TITMOUSE "S"	MEXICO	3398	111	144	93	-	36
38	MAPACHE (TCL.)	MEXICO	3389	104	148	114	-	43
17	FLICKER "S"	MEXICO	3340	108	147	101	-	43
46	MALABADI	TURKEY	3331	109	150	97	-	36
27	CHUKAR "S"	MEXICO	3291	108	149	94	-	48
30	LAP 286	ARGENTINA	3251	115	171	103	-	41
32	BITTERN "S"(DURUM)	MEXICO	3213	111	150	95	-	55
44	HAZERA 806/1976	ISRAEL	3191	108	147	94	-	40
6	VEERY "S"	MEXICO	3178	114	150	94	-	39
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3147	112	151	101	-	43
10	PAVON 76	MEXICO	3109	110	149	94	-	38
50	LOCAL CHECK		3107	110	145	101	-	38
21	S 331 - NOR 67	LEBANON	3045	111	153	110	10	36
8	ZARAGURO "S"	ECUADOR	3002	113	150	105	-	41
2	PIMA 77	MEXICO	2978	108	150	98	-	43
7	PK 3563 - CH 70	PAKISTAN	2971	114	159	98	-	40
14	INIA/SON64-P4160EXSON64	PAKISTAN	2962	108	150	107	15	42
47	MAHISSA 18	SPAIN	2922	127	147	106	-	37
37	SIETE CERROS	MEXICO	2858	115	148	98	-	43
15	MAYA 74"S"-MONCHO "S"	MEXICO	2820	109	150	100	-	42
41	MARCOS JUAREZ INTA	ARGENTINA	2742	109	147	102	-	41
16	ALONDRA "S"	MEX/BRAZ	2738	110	149	100	-	47
11	PAVON "S"	MEXICO	2733	112	151	90	-	39
29	IMURIS T79	MEXICO	2653	114	152	90	-	40
26	UP 262	INDIA	2627	107	146	98	13	48
34	JUNCO "S"	MEXICO	2562	108	144	108	-	44
1	Q. T. 4083	AUSTRALIA	2522	118	153	114	-	48
19	SUN 11 B - 15	AUSTRALIA	2509	108	150	103	53	46
22	GLENLEA	CANADA	2491	112	153	128	15	51
3	CHIVITO	GUATEMALA	2456	112	157	111	-	40
39	BOBWHITE "S"	MEXICO	2431	114	152	101	-	32
20	K 6106.3	KENYA	2427	113	153	100	-	40
36	ANTIZANA	ECUADOR	2402	106	149	99	20	46
35	MN 7086	U.S.A. ***	2316	121	164	111	10	35
5	SONALIKA	INDIA	2309	104	141	104	38	50
13	ESTANZUELA DAKARU	URUGUAY	2196	113	153	114	20	39
12	ROMI	SPAIN	2162	110	148	109	20	39
25	CHAT "S"	MEXICO	2142	113	150	98	-	42
4	KAVRO "S"	KENYA	729	112	150	130	28	35

GRAND MEAN 2939.8 110.9 150.3 101.6 23.3 41.6
STANDARD ERROR OF GRAND MEAN 56.8 0.4 0.3
COEFFICIENT OF VARIATION AS PC 23.6 5.4 7.9
LSD VARIETY MEANS 5 PC 1126.5 8.8 5.3

CORRELATIONS

YIELD KG/HA
FLOW DAYS -0.20
MAT DAYS -0.06 0.48
PLNT HT -0.57 0.13 0.18
LODG % -0.40 -0.37 -0.45 -0.03
1000 G.W. 0.04 -0.28 -0.17 -0.00 0.37

MIVHOR FARM
CEREAL STAFF

LATITUDE 031 37'N DATE PLANTED 11/12/79 NITROGEN --
 LONGITUDE 034 47'E DATE HARVESTED 5/29/80 PHOSPHORUS APPLIED --
 ELEVATION 0120 M.ABOVE S.L. AMOUNT OF MOISTURE 623 MM POTASSIUM --

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION GOOD. SLIGHT DISEASE INCIDENCE.
 NEGLIGIBLE INSECT DAMAGE. NO WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.
 CHEMICAL CONTROL OF WEEDS. DRY SPRING: NO EFFECTIVE RAINS AFTER MARCH 2
 LOCAL CHECK: SHAFIR=HAZERA 895

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	PLNT HT	LODG %	1000 G.W.	SEPT TRIT
40	ABU GHRAIB # 3	IRAQ	7000	80	102	118	0	29	89
10	PAVON 76	MEXICO	6702	82	107	120	0	35	89
32	BITTERN "S" (DURUM)	MEXICO	6639	82	107	103	0	48	11
44	HAZERA 806/1976	ISRAEL	6620	82	105	107	0	37	93
34	JUNCO "S"	MEXICO	6391	81	105	125	0	38	89
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	6334	82	104	120	17	44	89
6	VEERY "S"	MEXICO	6213	81	113	115	0	34	82
9	TITMOUSE "S"	MEXICO	6137	82	103	110	0	35	93
18	BUCK BUCK "S"	MEXICO	6099	82	107	110	0	35	89
47	MAHISSA 18	SPAIN	6086	78	105	127	10	34	89
31	NACUZARI 76	MEXICO	5979	81	104	115	0	35	89
38	MAPACHE (TCL.)	MEXICO ***	5883	67	101	145	0	37	70
28	ANZA	U.S.A.	5877	82	113	103	0	29	89
42	BUCK BUCK "S"	MEXICO	5833	80	110	107	0	33	89
36	ANTIZANA	ECUADOR	5801	80	96	115	20	44	89
50	LOCAL CHECK		5744	79	96	103	10	32	93
5	SONALIKA	INDIA	5649	81	94	118	17	45	89
33	HD 2172	INDIA	5623	78	113	118	0	31	89
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	5623	82	103	105	0	43	82
11	PAVON "S"	MEXICO	5598	82	109	117	0	36	89
15	MAYA 74"S"-MONCHO "S"	MEXICO	5560	81	105	117	0	42	89
37	SIETE CERROS	MEXICO	5496	78	112	122	0	29	89
43	Q. T. 4081	AUSTRALIA	5471	82	112	110	0	28	48
25	CHAT "S"	MEXICO	5433	85	113	117	0	39	82
17	FLICKER "S"	MEXICO	5433	79	112	123	20	34	89
29	IMURIS T79	MEXICO	5420	78	109	110	0	31	89
39	BOBWHITE "S"	MEXICO	5382	81	113	120	0	29	89
23	DOUGGA	TUNISIA	5376	81	113	108	0	30	89
16	ALONDRA "S"	MEX/BRAZ	5306	79	112	122	17	41	85
46	MALABADI	TURKEY	5280	75	109	120	0	26	89
41	MARCOS JUAREZ INTA	ARGENTINA	5058	79	112	120	63	37	82
24	KLEIN CHAMACO	ARGENTINA	5027	83	106	135	40	34	82
2	PIMA 77	MEXICO	5020	78	109	115	0	29	89
26	UP 262	INDIA	4855	82	98	113	30	48	89
27	CHUKAR "S"	MEXICO	4830	82	106	118	0	37	89
49	HP 1209	INDIA	4760	80	96	103	50	47	93
3	CHIVITO	GUATEMALA	4716	77	112	127	27	38	78
8	ZARAGURO "S"	ECUADOR	4538	80	113	122	17	31	22
7	PK 3563 - CH 70	PAKISTAN	4208	81	119	118	0	31	89
21	S 331 - NOR 67	LEBANON	4170	75	116	127	0	31	89
13	ESTANZUELA DAKARU	URUGUAY	4170	80	112	138	50	36	78
12	ROMI	SPAIN	4017	81	103	122	17	33	89
35	MN 7086	U.S.A.	3941	79	134	117	0	27	71
1	Q. T. 4083	AUSTRALIA	3789	78	113	127	33	35	89
22	GLENLEA	CANADA	3725	80	112	140	70	42	71
30	LAP 286	ARGENTINA	3694	80	135	113	0	28	85
20	K 6106.3	KENYA	3681	79	112	115	40	34	85
14	INIA/SON64-P4160EXSON64	PAKISTAN	3681	82	103	123	0	39	89
4	KAVKO "S"	KENYA	3383	80	112	143	43	37	37
19	SUN 11 B - 15	AUSTRALIA	3243	76	105	115	10	36	96
GRAND MEAN			5209.9	79.8	108.5	118.4	12.0	35.4	82.2
STANDARD ERROR OF GRAND MEAN			46.9	0.1				0.2	
COEFFICIENT OF VARIATION AS PC			11.0	1.8				6.5	
LSD VARIETY MEANS 5 PC			930.5	2.3				3.7	

YIELD KG/HA		CORRELATIONS							
TEST	WT	0.18							
FLOW	DAYS	-0.40	-0.04						
PLNT	HT	-0.36	-0.41	0.11					
LODG	%	-0.46	-0.02	-0.09	0.43				
1000	G.W.	0.10	0.23	-0.56	-0.00	0.37			
SEPT	TRIT	0.09	-0.02	-0.19	-0.16	-0.13	-0.10		

TEL AMARA
CEREAL STAFF

LATITUDE 033 55'N

DATE PLANTED 11/22/79

NITROGEN APPLIED

LONGITUDE 035 28'E

DATE HARVESTED ---/---/---

PHOSPHORUS APPLIED

ELEVATION 0950 M.ABOVE S.L. AMOUNT OF MOISTURE 850 MM

POTASSIUM --

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION POOR.

NEGLECTIBLE DISEASE DEVELOPMENT. -20-51

LOCAL CHECK: HARAMOUN

VAR NO.	VARIETY OR CROSS	ORIGIN	FLOW DAYS	MAT DAYS	PLNT HT
1	Q. T. 4083	AUSTRALIA	143	182	70
2	PIMA 77	MEXICO	143	182	65
3	CHIVITO	GUATEMALA	143	182	60
4	KAVKO "S"	KENYA	144	184	70
5	SONALIKA	INDIA	135	178	70
6	VEERY "S"	MEXICO	139	180	60
7	PK 3563 - CH 70	PAKISTAN	145	184	60
8	ZARAGURO "S"	ECUADOR	141	180	80
9	TITMOUSE "S"	MEXICO	137	178	70
10	PAVON 76	MEXICO	143	182	75
11	PAVON "S"	MEXICO	143	182	75
12	ROMI	SPAIN	142	182	75
13	ESTANZUELA DAKARU	URUGUAY	144	183	85
14	INIA/SOM64-P4160EXSON64	PAKISTAN	140	180	85
15	MAYA 74"S"-MONCHO "S"	MEXICO	139	180	85
16	ALONDRA "S"	MEX/BRAZ	139	180	85
17	FLICKER "S"	MEXICO	140	180	65
18	BUCK BUCK "S"	MEXICO	142	182	70
19	SUN 11 B - 15	AUSTRALIA	141	182	75
20	K 6106.3	KENYA	144	184	75
21	S 331 - NOR 67	LEBANON	145	184	70
22	GLENLEA	CANADA	145	184	105
23	DOUGGA	TUNISIA	141	180	75
24	KLEIN CHAMACO	ARGENTINA	135	176	105
25	CHAT "S"	MEXICO	142	181	90
26	UP 262	INDIA	132	175	80
27	CHUKAR "S"	MEXICO	135	176	75
28	ANZA	U.S.A.	138	178	70
29	IMURIS T79	MEXICO	139	178	70
30	LAP 286	ARGENTINA	139	178	75
31	NACUZARI 76	MEXICO	140	180	75
32	BITTERN "S" (DURUM)	MEXICO	142	181	65
33	HD 2172	INDIA	143	182	80
34	JUNCO "S"	MEXICO	135	176	105
35	MN 7086	U.S.A.	147	185	65
36	ANTIZANA	ECUADOR	135	175	70
37	SIETE CERROS	MEXICO	142	182	75
38	MAPACHE (TCL.)	MEXICO	133	174	105
39	BOBWHITE "S"	MEXICO	141	180	70
40	ABU GHRAIB # 3	IRAQ	138	178	80
41	MARCOS JUAREZ INTA	ARGENTINA	136	178	85
42	BUCK BUCK "S"	MEXICO	148	182	65
43	Q. T. 4081	AUSTRALIA	140	180	65
44	HAZERA 806/1976	ISRAEL	139	180	65
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	140	180	65
46	MALABADI	TURKEY	140	180	65
47	MAHISSA 18	SPAIN	141	182	65
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	141	182	60
49	HP 1209	INDIA	138	178	60
50	LOCAL CHECK		141	180	70

GRAND MEAN 140.4 180.2 74.5
 STANDARD ERROR OF GRAND MEAN
 COEFFICIENT OF VARIATION AS PC
 LSD VARIETY MEANS 5 PC

CORRELATIONS
 FLOW DAYS
 MAT DAYS 0.94
 PLNT HT -0.33 -0.33

ICARDA

CEREAL STAFF

LATITUDE 36 09'N DATE PLANTED - / - / - -
 LONGITUDE 36 04'E DATE HARVESTED - / - / - -
 ELEVATION 300 M.ABOVE S.L. AMOUNT OF MOISTURE -- MM

NITROGEN APPLIED
 PHOSPHORUS APPLIED
 POTASSIUM --

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 NEGLIGIBLE DISEASE DEVELOPMENT. NEGLIGIBLE INSECT DAMAGE.
 SLIGHT WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.
 HAND WEEDING. LOCAL CHECK NAME NOT REPORTED.

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	PLNT HT	FRST DMGE
40	ABU GHRAIB # 3	IRAQ	6062	169	219	90	53
33	HD 2172	INDIA	5951	179	223	95	80
41	MARCOS JUAREZ INTA	ARGENTINA	5939	167	220	100	20
28	ANZA	U.S.A.	5828	174	219	85	40
46	MALABADI	TURKEY	5821	172	216	95	60
32	BITTERN "S"(DURUM)	MEXICO	5723	174	223	90	40
9	TITMOUSE "S"	MEXICO	5636	175	218	90	53
50	LOCAL CHECK		5618	180	218	105	20
25	CHAT "S"	MEXICO	5544	176	220	95	53
10	PAVON 76	MEXICO	5513	175	219	95	33
6	VEERY "S"	MEXICO	5500	172	217	85	27
39	BOBWHITE "S"	MEXICO	5494	176	217	95	33
16	ALONDRA "S"	MEX/BRAZ	5400	174	217	105	33
17	FLICKER "S"	MEXICO	5395	171	216	100	7
23	DOUGGA	TUNISIA	5278	175	223	-	40
34	JUNCO "S"	MEXICO	5272	172	223	95	47
38	MAPACHE (TCL.)	MEXICO	5247	165	213	100	0
18	BUCK BUCK "S"	MEXICO	5229	172	217	90	60
11	PAVON "S"	MEXICO	5179	174	218	95	40
21	S 331 - NOR 67	LEBANON	5136	177	219	105	40
37	SIETE CERROS	MEXICO	5056	174	220	90	40
31	NACOZARI 76	MEXICO	5031	172	216	85	60
35	MN 7086	U.S.A.	5013	181	223	-	33
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	4994	170	215	95	47
2	PIMA 77	MEXICO	4988	173	219	95	60
27	CHUKAR "S"	MEXICO	4957	172	215	85	33
42	BUCK BUCK "S"	MEXICO ***	4877	172	223	95	60
7	PK 3563 - CH 70	PAKISTAN	4865	183	223	-	60
47	MAHISSA 18	SPAIN	4846	174	217	90	53
1	Q. T. 4083	AUSTRALIA	4821	174	223	-	20
8	ZARAGURO "S"	ECUADOR	4797	174	217	100	27
30	LAP 286	ARGENTINA	4747	180	224	-	33
43	Q. T. 4081	AUSTRALIA	4655	175	218	75	40
24	KLEIN CHAMACO	ARGENTINA	4556	168	217	105	40
3	CHIVITO	GUATEMALA	4550	173	222	105	33
15	MAYA 74"S"-MONCHO "S"	MEXICO	4432	171	219	90	53
29	IMURIS T79	MEXICO	4426	173	220	95	60
20	K 6186.3	KENYA	4130	173	217	100	33
44	HAZERA 806/1976	ISRAEL	4105	172	217	85	60
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	4068	171	216	80	60
19	SUN 11 B - 15	AUSTRALIA	3988	171	215	105	33
13	ESTANZUELA DAKARU	URUGUAY	3982	176	223	105	53
22	GLENLEA	CANADA	3883	175	223	-	60
49	HP 1209	INDIA	3661	169	219	85	87
36	ANTIZANA	ECUADOR	3494	170	219	80	93
12	ROMI	SPAIN	3303	174	223	100	80
26	UP 262	INDIA	3155	169	219	90	100
5	SONALIKA	INDIA	3000	169	220	85	100
4	KAVKO "S"	KENYA	3000	179	218	115	27
14	INIA/SON64-P4160EXSON64	PAKISTAN	2648	176	219	95	93

GRAND MEAN 4777.7 173.4 94.1 48.3
 STANDARD ERROR OF GRAND MEAN 46.5
 COEFFICIENT OF VARIATION AS PC 11.9
 LSD VARIETY MEANS 5 PC 922.7

CORRELATIONS
 YIELD KG/HA
 FLOW DAYS 0.00
 PLNT HT -0.00 0.23
 FRST DMGE -0.53 -0.08 -0.44

I.A.G.P.B.

CEREAL STAFF

LATITUDE 038 27'N

DATE PLANTED ---/--

NITROGEN APPLIED

LONGITUDE 027 14'E

DATE HARVESTED ---/--

PHOSPHORUS APPLIED

ELEVATION 0010 M.ABOVE S.L.

AMOUNT OF MOISTURE 650 MM

POTASSIUM --

NORMAL SOWING DATE. SOIL MOIST AT SOWING; GERMINATION GOOD.
 NEGLIGIBLE DISEASE DEVELOPMENT; NEGLIGIBLE INSECT DAMAGE. NO WEED PROBLEM.
 NEGLIGIBLE BIRD DAMAGE. WEATHER NOT REPORTED. CHEMICAL CONTROL OF WEEDS.
 LOCAL CHECK: CUMHURİYET-75

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA
34	JUNCO "S"	MEXICO	6656
46	HALABADI	TURKEY	6232
27	CHUKAR "S"	MEXICO	5944
26	UP 262	INDIA	5901
40	ABU GHRAIB # 3	IRAQ	5683
31	NACUZARI 76	MEXICO	5592
42	BUCK BUCK "S"	MEXICO	5581
39	BOBWHITE "S"	MEXICO	5515
10	PAVON 76	MEXICO	5400
6	VEERY "S"	MEXICO	5443
16	ALONDRA "S"	MEX/BRAZ	5419
41	MARCOS JUAREZ INTA	ARGENTINA	5416
33	HD 2172	INDIA	5403
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	5275
14	INIA/SON64-P4160EXSON64	PAKISTAN	5185
9	TITMOUSE "S"	MEXICO	5157
37	SIETE CERROS	MEXICO	5155
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	5141
47	MAHISSA 18	SPAIN	5061
36	ANTIZANA	ECUADOR	5019
49	HP 1209	INDIA	4933
28	ANZA	U.S.A.	4808
38	MAPACHE (TCL.)	MEXICO	4795
19	SUN 11 B - 15	AUSTRALIA ***	4763
50	LOCAL CHECK		4736
29	IMURIS T79	MEXICO	4701
43	Q. T. 4081	AUSTRALIA	4699
12	ROMI	SPAIN	4656
2	PIMA 77	MEXICO	4640
17	FLICKER "S"	MEXICO	4608
18	BUCK BUCK "S"	MEXICO	4533
25	CHAT "S"	MEXICO	4525
32	BITTERN "S" (DURUM)	MEXICO	4499
7	PK 3563 - CH 70	PAKISTAN	4240
1	Q. T. 4083	AUSTRALIA	4160
44	HAZERA 006/1976	ISRAEL	4053
23	DOUGGA	TUNISIA	3984
11	PAVON "S"	MEXICO	3973
3	CHIVITO	GUATEMALA	3939
15	MAYA 74"S"-MONCHO "S"	MEXICO	3904
24	KLEIN CHAMACO	ARGENTINA	3717
22	GLENLEA	CANADA	3685
5	SONALIKA	INDIA	3523
21	S 331 - NOR 67	LEBANON	3325
35	MN 7086	U.S.A.	3307
4	KAVKO "S"	KENYA	3123
20	K 6106.3	KENYA	3115
8	ZARAGURO "S"	ECUADOR	3088
30	LAP 286	ARGENTINA	2923
13	ESTANZUELA DAKARU	URUGUAY	2400

GRAND MEAN 4633.8
 STANDARD ERROR OF GRAND MEAN 76.8
 COEFFICIENT OF VARIATION AS PC 20.3
 LSD VARIETY MEANS 5 PC 1525.1

ELLERSLIE
CEREAL STAFFLATITUDE 053 34'N
LONGITUDE 113 31'W
ELEVATION 0677 M.ABOVE S.L.DATE PLANTED 5/ 7/80
DATE HARVESTED 9/17/80
AMOUNT OF MOISTURE 417 MMNITROGEN --
PHOSPHORUS --
POTASSIUM --

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
NEGLIGIBLE DISEASE DEVELOPMENT. NEGLIGIBLE INSECT DAMAGE.
SLIGHT WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.
CHEMICAL CONTROL OF WEEDS. HAND WEEDING. LOCAL CHECK: NEEPANA

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	PLNT HT	1000 G.W.
42	BUCK BUCK "S"	MEXICO	6149	74	60	127	76	40
6	VEERY "S"	MEXICO	6147	76	62	121	83	40
25	CHAT "S"	MEXICO	6082	76	60	124	85	48
14	INIA/SON64-P4160EXSON64	PAKISTAN	5895	75	59	125	87	42
7	PK 3563 - CH 70	PAKISTAN	5546	75	60	126	87	37
22	GLENLEA	CANADA	5505	76	60	127	113	46
18	BUCK BUCK "S"	MEXICO	5478	72	60	127	86	35
46	MALABADI	TURKEY	5408	76	55	117	76	39
11	PAVON "S"	MEXICO	5354	79	59	122	87	38
17	FLICKER "S"	MEXICO	5287	73	59	123	78	37
15	MAYA 74 "S"-MONCHO "S"	MEXICO	5271	76	55	120	78	46
10	PAVON 76	MEXICO	5216	76	59	128	89	45
29	IMURIS T79	MEXICO	5111	70	61	127	74	36
2	PIMA 77	MEXICO	5106	74	55	115	75	33
27	CHUKAR "S"	MEXICO	5099	78	61	122	83	44
16	ALONDRA "S"	MEX/BRAZ	5099	74	62	127	94	50
39	BOBWHITE "S"	MEXICO	5076	77	62	124	86	37
38	MAPACHE (TCL.)	MEXICO	5035	63	56	119	101	44
20	K 6106.3	KENYA	5025	73	58	125	85	39
35	MN 7086	U.S.A.	5003	77	59	119	87	36
9	TITMOUSE "S"	MEXICO	4999	77	54	114	75	36
21	S 331 - NOR 67	LEBANON	4977	66	62	126	88	39
47	MAHISSA 18	SPAIN	4919	73	57	124	82	39
4	KAVKO "S"	KENYA	4865	74	59	127	104	41
41	MARCOS JUAREZ INTA	ARGENTINA ***	4764	76	62	126	95	40
3	CHIVITO	GUATEMALA	4740	70	62	131	98	40
12	ROMI	SPAIN	4737	74	58	125	87	35
5	SONALIKA	INDIA	4734	75	52	124	86	48
33	HD 2172	INDIA	4699	71	58	129	79	37
24	KLEIN CHAMACO	ARGENTINA	4687	78	57	121	91	33
19	SUN 11 B - 15	AUSTRALIA	4628	73	60	124	79	43
37	SIETE CERROS	MEXICO	4545	82	59	125	82	35
1	Q. T. 4083	AUSTRALIA	4486	73	62	129	99	40
40	ABU GHRAIB # 3	IRAQ	4434	76	57	122	80	31
36	ANTIZANA	ECUADOR	4376	77	54	120	80	48
28	ANZA	U.S.A.	4285	75	59	125	73	37
44	HAZERA 806/1976	ISRAEL	4253	77	54	117	73	37
34	JUNCO "S"	MEXICO	4189	76	54	120	84	38
31	NACQZARI 76	MEXICO	4160	75	56	124	77	38
23	DOUGGA	TUNISIA	4114	74	61	120	79	35
30	LAP 286	ARGENTINA	4102	75	51	116	76	32
50	LOCAL CHECK		4101	77	60	123	101	36
13	ESTANZUELA DAKARU	URUGUAY	4006	72	56	126	98	36
43	Q. T. 4081	AUSTRALIA	3968	75	58	117	72	33
45	MAIPO "S"-PJ62XEMU "S"	MEXICO	3943	77	57	116	73	44
8	ZARAGURO "S"	ECUADOR	3927	67	64	128	96	28
48	HEIMA-COC75 X BLUEJAY "S"	MEXICO	3874	77	58	120	71	40
26	UP 262	INDIA	3836	74	55	121	70	50
49	HP 1209	INDIA	3642	77	54	125	74	54
32	BITTERN "S" (DURUM)	MEXICO	2958	74	59	124	66	40
	GRAND MEAN		4756.8	74.5	58.2	123.0	84.2	39.3
	STANDARD ERROR OF GRAND MEAN		54.8				0.3	
	COEFFICIENT OF VARIATION AS PC		14.1				3.8	
	LSD VARIETY MEANS 5 PC		1087.3				5.2	

CORRELATIONS

YIELD KG/HA	TEST WT	-0.01				
FLOW DAYS	0.29	-0.24				
MAT DAYS	0.16	-0.32	0.64			
PLNT HT	0.26	-0.26	0.40	0.49		
1000 G.W.	0.11	0.10	-0.14	0.13	0.07	

WINNIPEG

CEREAL STAFF

LATITUDE 049 58'N

LONGITUDE 097 07'W

ELEVATION 0235 M.ABOVE S.L.

DATE PLANTED 5/ 2/80

DATE HARVESTED 8/--/80

AMOUNT OF MOISTURE 215 MM

NITROGEN APPLIED

PHOSPHORUS APPLIED

POTASSIUM --

EARLY SOWING DATE. SOIL DRY AT SOWING. GERMINATION GOOD. NEGLIGIBLE DISEASE DEVELOPMENT.
 NEGLIGIBLE INSECT DAMAGE. NO WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.
 HAND WEEDING. LOCAL CHECK: B.W. 42=RL4361

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	MAT DAYS	LEAF RUST	STEM RUST	PLNT HT	LODG %	1000 G.W.
50	LOCAL CHECK		5720	79	105	1	1	75	13	34
42	BUCK BUCK "S"	MEXICO	5685	80	106	1	1	60	13	41
25	CHAT "S"	MEXICO	5675	80	102	1	1	65	0	40
22	GLENLEA	CANADA	5516	79	105	1	1	79	13	44
28	ANZA	U.S.A.	5267	80	105	40	30	62	21	36
35	MN 7086	U.S.A.	5239	79	104	1	1	72	25	33
31	NACUZARI 76	MEXICO	5219	78	102	1	1	62	13	36
6	VEERY "S"	MEXICO	5198	79	106	1	1	59	17	34
7	PK 3563 - CH 70	PAKISTAN	5171	80	106	40	60	63	13	36
8	ZARAGURO "S"	ECUADOR	5145	76	107	1	1	75	17	31
27	CHUKAR "S"	MEXICO	5108	81	106	1	1	65	13	40
43	Q. T. 4081	AUSTRALIA	5082	80	104	10	1	58	9	34
29	IMURIS T79	MEXICO	5073	76	106	1	1	63	17	36
40	ABU GHRAIB # 3	IRAQ	5069	80	103	5	10	63	13	33
17	FLICKER "S"	MEXICO	5067	75	106	5	1	63	13	35
33	HD 2172	INDIA	5028	78	106	5	1	63	25	43
44	HAZERA 806/1976	ISRAEL	5012	80	102	20	1	58	13	37
14	INIA/SON64-P4160EXSON64	PAKISTAN	4984	80	102	30	10	64	4	41
9	TITMOUSE "S"	MEXICO	4980	80	102	1	1	59	21	32
37	SIETE CERROS	MEXICO	4947	79	103	40	20	67	21	33
10	PAVON 76	MEXICO	4873	82	105	1	1	65	17	39
39	BOBWHITE "S"	MEXICO	4829	81	106	10	10	62	13	31
3	CHIVITO	GUATEMALA ***	4729	76	105	1	1	69	21	43
18	BUCK BUCK "S"	MEXICO	4720	80	106	1	1	61	13	36
24	KLEIN CHAMACO	ARGENTINA	4640	81	106	10	1	69	25	33
45	MAIPO "S"-PJ62XEMU "S"	MEXICO	4620	79	104	1	1	59	17	40
15	MAYA 74 "S"-MONCHO "S"	MEXICO	4540	77	105	1	1	61	29	39
1	Q. T. 4083	AUSTRALIA	4520	79	111	1	1	74	13	45
36	ANTIZANA	ECUADOR	4483	79	104	3	1	63	13	44
20	K 6106.3	KENYA	4409	78	105	1	1	64	25	37
38	MAPACHE (TCL.)	MEXICO	4407	66	107	1	1	72	17	38
21	S 331 - NOR 67	LEBANON	4396	72	107	1	1	70	42	36
30	LAP 286	ARGENTINA	4350	78	104	1	1	62	17	31
11	PAVON "S"	MEXICO	4331	81	105	1	1	62	21	39
32	BITTERN "S" (DURUM)	MEXICO	4233	76	107	1	1	56	29	45
41	MARCOS JUAREZ INTA	ARGENTINA	4108	80	107	1	1	67	13	44
13	ESTANZUELA DAKARU	URUGUAY	4045	78	106	10	1	73	13	37
48	HEIMA-COC75 X BLUEJAY "S"	MEXICO	4032	79	106	1	1	57	13	39
49	HP 1209	INDIA	4010	76	106	1	1	60	21	43
5	SONALIKA	INDIA	3986	77	104	20	1	67	17	47
47	MAHISSA 18	SPAIN	3984	76	107	5	1	63	21	34
23	DOUGGA	TUNISIA	3971	80	106	1	1	62	13	35
46	MALABADI	TURKEY	3969	73	105	1	1	63	13	32
2	PIMA 77	MEXICO	3941	74	103	1	1	58	13	31
26	UP 262	INDIA	3921	80	104	10	50	60	9	46
34	JUNCO "S"	MEXICO	3899	79	105	1	1	70	21	41
4	KAVRO "S"	KENYA	3740	78	107	1	1	71	13	37
19	SUN 11 B - 15	AUSTRALIA	3653	70	104	1	1	60	13	38
16	ALONDRA "S"	MEX/BRAZ	3588	79	107	20	10	68	13	43
12	ROMI	SPAIN	3344	80	106	5	5	64	29	32
GRAND MEAN			4609.1	77.9	105.0	6.4	4.9	64.5	16.8	37.7
STANDARD ERROR OF GRAND MEAN			39.6					0.2		
COEFFICIENT OF VARIATION AS PC			10.5					4.5		
LSD VARIETY MEANS 5 PC			785.6					4.7		

CORRELATIONS

YIELD KG/HA	TEST WT	MAT DAYS	LEAF RUST	STEM RUST	PLNT HT	LODG %	1000 G.W.
	0.30						
	-0.27	-0.16					
	0.13	0.23	-0.21				
	0.06	0.21	-0.08	0.68			
	0.11	-0.11	0.34	-0.05	-0.11		
	-0.20	-0.23	0.27	-0.11	-0.14	0.06	
	-0.15	0.05	0.19	-0.02	0.05	0.08	-0.11

UNIVERSITY OF GUELPH
CEREAL STAFF

LATITUDE	043 00'N	DATE PLANTED	5/ 7/80	NITROGEN	APPLIED
LONGITUDE	080 25'W	DATE HARVESTED	8/28/80	PHOSPHORUS	--
ELEVATION	0333 M.ABOVE S.L.	AMOUNT OF MOISTURE	401 MM	POTASSIUM	--

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
MODERATE DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. NO WEED PROBLEM.
SLIGHT BIRD DAMAGE. HAND WEEDING. MECHANICAL CONTROL OF WEEDS.
CHEMICAL CONTROL OF WEEDS. LOCAL CHECK: FIELDER

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	PLNT HT	LODG %	1000 G.W.	POWD %	SEPT NODO
4	KAVKO "S"	KENYA	4215	75	92	-	38	19	25
16	ALONDRA "S"	MEX/BRAZ	4051	73	72	-	39	7	25
38	MAPACHE (TCL.)	MEXICO	4050	59	86	-	38	0	38
13	ESTANZUELA DAKARU	URUGUAY	3859	74	87	-	34	32	38
49	HP 1209	INDIA	3818	66	67	-	39	19	38
33	HD 2172	INDIA	3741	65	75	0	32	25	38
6	VEERY "S"	MEXICO	3504	67	69	-	27	7	25
9	TITMOUSE "S"	MEXICO	3463	69	71	0	27	38	50
39	BOBWHITE "S"	MEXICO	3458	73	64	-	28	13	25
25	CHAT "S"	MEXICO	3445	71	74	-	33	0	50
17	FLICKER "S"	MEXICO	3339	66	78	7	28	44	38
15	MAYA 74"S"-MONCHO "S"	MEXICO ***	3257	70	72	-	32	26	25
24	KLEIN CHAMACO	ARGENTINA	3240	72	85	63	26	38	38
14	INIA/SON64-P4160EXSON64	PAKISTAN	3163	70	76	-	35	38	25
50	LOCAL CHECK		3121	67	67	13	27	57	25
1	O. T. 4083	AUSTRALIA	3105	72	82	-	36	51	25
43	O. T. 4081	AUSTRALIA	3103	64	65	7	24	13	38
36	ANTIZANA	ECUADOR	3077	70	73	13	32	13	38
31	MACOZARI 76	MEXICO	3067	68	67	-	31	19	38
26	UP 262	INDIA	3061	75	71	-	36	57	50
30	LAP 286	ARGENTINA	2988	69	69	-	24	25	38
41	MARCOS JUAREZ INTA	ARGENTINA	2984	70	71	7	35	26	25
12	ROMI	SPAIN	2942	73	76	4	29	32	38
10	PAVON 76	MEXICO	2904	70	74	-	30	38	38
29	INURIS T79	MEXICO	2833	66	61	-	29	57	50
35	MN 7086	U.S.A.	2831	68	73	0	27	32	38
8	ZARAGURO "S"	ECUADOR	2789	67	80	71	28	32	25
34	JUNCO "S"	MEXICO	2786	68	75	-	33	51	50
22	GLENLEA	CANADA	2772	74	90	0	40	32	13
23	DOUGGA	TUNISIA	2770	69	70	0	29	26	38
18	BUCK BUCK "S"	MEXICO	2764	71	64	0	30	50	50
5	SONALIKA	INDIA	2680	63	79	-	31	50	75
28	ANZA	U.S.A.	2628	71	68	13	27	44	50
19	SUN 11 B - 15	AUSTRALIA	2623	66	70	0	32	32	38
37	SIETE CERROS	MEXICO	2583	65	64	7	26	26	38
7	PK 3563 - CH 70	PAKISTAN	2563	74	69	-	29	57	38
11	PAVON "S"	MEXICO	2544	70	71	-	29	38	50
3	CHIVITO	GUATEMALA	2485	67	82	38	33	32	38
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	2450	67	61	-	31	25	38
20	K 6106.3	KENYA	2440	65	70	0	27	19	25
32	BITTERN "S" (DURUM)	MEXICO	2407	68	62	9	35	38	50
27	CHUKAR "S"	MEXICO	2380	70	68	-	28	32	38
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	2359	66	68	0	28	25	38
40	ABU GHRAIB # 3	IRAQ	2358	66	73	13	23	51	50
47	MAHISSA 18	SPAIN	2336	64	72	-	26	57	38
42	BUCK BUCK "S"	MEXICO	2252	62	57	-	29	32	50
21	S 331 - NOR 67	LEBANON	2210	61	75	38	26	44	25
44	HAZERA 806/1976	ISRAEL	2061	71	63	-	29	57	50
2	PIMA 77	MEXICO	1883	62	67	42	23	63	50
46	MALABADI	TURKEY	1879	57	65	38	19	44	50
GRAND MEAN			2912.6	68.0	71.9	18.2	30.1	33.4	38.5
STANDARD ERROR OF GRAND MEAN			37.8		0.5				
COEFFICIENT OF VARIATION AS PC			15.9		8.4				
LSD VARIETY MEANS 5 PC			750.3		9.8				

CORRELATIONS

YIELD KG/HA	TEST WT	PLNT HT	LODG %	1000 G.W.	POWD %	SEPT NODO
	0.37					
	0.46	0.28				
	-0.22	-0.24	0.30			
	0.56	0.44	0.43	-0.32		
	-0.55	-0.02	-0.12	0.23	-0.29	
	-0.34	-0.26	-0.32	-0.04	-0.27	0.38

EL BATAN
CEREAL STAFF

LATITUDE 019 31'N DATE PLANTED 5/20/80 NITROGEN APPLIED
 LONGITUDE 098 50'W DATE HARVESTED 9/20/80 PHOSPHORUS APPLIED
 ELEVATION 2249 M.ABOVE S.L. AMOUNT OF MOISTURE 600 MM POTASSIUM --

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION GOOD. SERIOUS DISEASE INCIDENCE.
 NEGLIGIBLE INSECT DAMAGE. NO WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.
 CHEMICAL CONTROL OF INSECTS. CHEMICAL CONTROL OF WEEDS. .39 CLEOPATRA 74

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	STRP RT.L	LEAF RUST	PLNT HT
9	TITMOUSE "S"	MEXICO	6436	74	55	5MR	20MR	80
12	ROMI	SPAIN	6399	76	58	5R	40S	90
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	6130	76	59	10MR	0	75
34	JUNCO "S"	MEXICO	5973	74	56	TRMR	5S	95
25	CHAT "S"	MEXICO	5926	72	61	50S	5MS	80
50	LOCAL CHECK		5806	74	51	20MS	20S	75
38	MAPACHE (TCL.)	MEXICO	5769	58	59	0	0	110
42	BUCK BUCK "S"	MEXICO	5704	70	59	TMR	TMS	75
26	UP 262	INDIA	5621	76	59	40MS	40S	85
31	NACCOZARI 76	MEXICO	5593	73	56	20MS	30MS	80
49	HP 1209	INDIA	5556	74	55	10MR	10S	80
44	HAZERA 806/1976	ISRAEL	5519	77	55	20MS	40S	75
33	HD 2172	INDIA	5519	72	61	0	10MS	80
18	BUCK BUCK "S"	MEXICO	5436	68	61	10MR	TR	85
18	PAVON 76	MEXICO	5436	74	62	TMR	5S	95
15	MAYA 74"S"-MONCHO "S"	MEXICO	5436	74	55	10MR	TMS	80
36	ANTIZANA	ECUADOR	5399	73	55	TR	50S	90
4	KAVKO "S"	KENYA	5352	78	61	60MS	TMS	105
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	5343	75	59	0	30S	80
40	ABU GHRAIB # 3	IRAQ	5306	76	55	10MR	40S	80
27	CHUKAR "S"	MEXICO	5250	77	68	TR	0	90
29	INURIS T79	MEXICO	5149	70	61	10R	0	80
37	SIETE CERROS	MEXICO	5149	71	61	40S	30S	85
5	SONALIKA	INDIA	5130	75	52	-----	80S	90
32	BITTERN "S" (DURUM)	MEXICO ***	5047	74	62	TR	0	90
47	MAHISSA 18	SPAIN	4899	73	54	50S	30S	80
14	INIA/SON64-P4160EXSON64	PAKISTAN	4852	75	55	-----	80S	80
1	Q. T. 4083	AUSTRALIA	4707	69	67	10MS	TMS	105
39	BOBWHITE "S"	MEXICO	4556	75	66	30MS	TMR	90
11	PAVON "S"	MEXICO	4537	75	62	TMS	5MS	95
43	Q. T. 4081	AUSTRALIA	4491	73	61	20MR	20MS	80
6	VEERY "S"	MEXICO	4482	66	68	10MR	10S	90
24	KLEIN CHAMACO	ARGENTINA	4389	76	61	5MR	TMS	100
13	ESTANZUELA DAKARU	URUGUAY	4326	76	60	20MS	5MS	105
7	PK 3563 - CH 70	PAKISTAN	4065	71	62	20MS	40S	90
46	MALABADI	TURKEY	3963	66	56	0	50S	80
28	ANZA	U.S.A.	3852	71	61	TMR	60S	80
2	PIMA 77	MEXICO	3713	66	55	40MS	40S	70
22	GLENLEA	CANADA	3630	73	63	5MR	20MS	125
17	FLICKER "S"	MEXICO	3621	74	65	0	5MS	90
19	SUN 11 B - 15	AUSTRALIA	3382	68	62	70S	-----	85
30	LAP 286	ARGENTINA	3343	71	59	5MS	TR	85
20	K 6106.3	KENYA	3204	67	60	10R	5MR	85
21	S 331 - NOR 67	LEBANON	3195	61	68	0	TMS	100
41	MARCOS JUAREZ INTA	ARGENTINA	2991	69	63	0	40S	90
23	DOUGGA	TUNISIA	2898	73	63	5MS	10S	80
35	MN 7086	U.S.A.	2889	69	66	40MS	0	100
16	ALONDRA "S"	MEX/BRAZ	2556	57	70	40MS	10S	95
3	CHIVITO	GUATEMALA	2213	61	68	20MS	TR	95
8	ZARAGURO "S"	ECUADOR	1546	54	72	TMR	TMR	95
GRAND MEAN			4635.3	71.2	60.5	9.1	18.8	88.0
STANDARD ERROR OF GRAND MEAN			55.5	0.0				0.0
COEFFICIENT OF VARIATION AS PC			14.7	0.8				0.0
LSD VARIETY MEANS 5 PC			1101.8	0.9				0.0

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	STRP RT.L	LEAF RUST	PLNT HT
	0.62				
	-0.61	-0.51			
	-0.16	-0.05	0.01		
	0.10	0.19	-0.53	0.17	
	-0.27	-0.21	0.48	-0.03	-0.26

ATIZAPAN
CEREAL STAFF

LATITUDE 019 16'N

DATE PLANTED 5/10/80

NITROGEN --

LONGITUDE 099 51'W

DATE HARVESTED --/--/--

PHOSPHORUS --

ELEVATION 2640 M.ABOVE S.L.

AMOUNT OF MOISTURE 11 MM

POTASSIUM --

EARLY SOWING DATE. SOIL DRY AT SOWING. GERMINATION GOOD.
SERIOUS DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. NO WEED PROBLEM.
NEGLIGIBLE BIRD DAMAGE. LOCAL CHECK: NACUZARI 76

VAR NO.	VARIETY OR CROSS	ORIGIN	FLOW DAYS	STRP RT.L	PLNT HT
1	Q. T. 4083	AUSTRALIA	79	10MR	117
2	FIMA 77	MEXICO	69	20MR	93
3	CHIVITO	GUATEMALA	81	5MR	112
4	KAVKO "S"	KENYA	73	10MS	115
5	SONALIKA	INDIA	63	80MS	100
6	VEERY "S"	MEXICO	78	5MR	95
7	PK 3563 - CH 70	PAKISTAN	77	20MS	100
8	ZARAGURO "S"	ECUADOR	85	TMR	103
9	TITHOUSE "S"	MEXICO	69	5MR	85
10	PAVON 76	MEXICO	73	10MS	102
11	PAVON "S"	MEXICO	74	5MS	102
12	ROMI	SPAIN	70	30MR	98
13	ESTANZUELA DAKARU	URUGUAY	71	10MR	100
14	INIA/SON64-P4160EXSON64	PAKISTAN	70	30MS	98
15	MAYA 74"S"-MONCHO "S"	MEXICO	70	5MR	95
16	ALONDRA "S"	MEX/BRAZ	78	30MS	105
17	FLICKER "S"	MEXICO	76	40MS	107
18	BUCK BUCK "S"	MEXICO	73	10MR	92
19	SUN 11 B - 15	AUSTRALIA	73	70S	92
20	K 6106.3	KENYA	73	5MR	102
21	S 331 - NOR 67	LEBANON	81	40MS	100
22	GLENLEA	CANADA	76	10MR	120
23	DOUGGA	TUNISIA	76	20MR	90
24	KLEIN CHAMACO	ARGENTINA	71	TMR	107
25	CHAT "S"	MEXICO	73	TMR	97
26	UP 262	INDIA	69	20MS	98
27	CHUKAR "S"	MEXICO	77	30MS-S	103
28	ANZA	U.S.A.	74	40MS	87
29	IMURIS T79	MEXICO	73	5MR	90
30	LAP 286	ARGENTINA	69	30MR	97
31	NACUZARI 76	MEXICO	69	5MR	90
32	BITTERN "S" (DURUM)	MEXICO	71	20MR	87
33	HD 2172	INDIA	72	10R	98
34	JUNCO "S"	MEXICO	69	20MS	103
35	MN 7086	U.S.A.	80	70S	105
36	ANTIZANA	ECUADOR	67	T-20MS	98
37	SIETE CERROS	MEXICO	73	80MS	95
38	MAPACHE (TCL.)	MEXICO	70	10MS	118
39	BOBWHITE "S"	MEXICO	76	5MR	102
40	ABU GHRAIB # 3	IRAQ	70	30MS-S	95
41	MARCOS JUAREZ INTA	ARGENTINA	75	40MS	107
42	BUCK BUCK "S"	MEXICO	72	5R	87
43	Q. T. 4081	AUSTRALIA	74	20MR	87
44	HAZERA 806/1976	ISRAEL	70	100S	83
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	72	TMR	92
46	MALABADI	TURKEY	71	10MR	93
47	MAHISSA 18	SPAIN	69	70MS-S	97
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	72	TR	87
49	HP 1209	INDIA	68	50MS	97
50	LOCAL CHECK		68	10MR	90

GRAND MEAN 72.9 17.8 98.5
STANDARD ERROR OF GRAND MEAN 0.3
COEFFICIENT OF VARIATION AS PC 3.6
LSD VARIETY MEANS 5 PC 5.8

CORRELATIONS

FLOW DAYS
STRP RT.L -0.16
PLNT HT 0.38 -0.13

EL BAJIO
CEREAL STAFF

LATITUDE 020 32'N

DATE PLANTED 12/13/79

NITROGEN APPLIED

LONGITUDE 100 49'W

DATE HARVESTED 5/20/80

PHOSPHORUS APPLIED

ELEVATION 1765 M.ABOVE S.L.

AMOUNT OF MOISTURE -- MM

POTASSIUM --

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION GOOD.

MODERATE DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. NO WEED PROBLEM.

NEGLIGIBLE BIRD DAMAGE. WEATHER NORMAL.

LOCAL CHECK: JAHUARA M77

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	STRP RT.L	LEAF RUST	PLNT HT	LODG %
32	BITTERN "S" (DURUM)	MEXICO	7955	88	137	0	0	90	55
42	BUCK BUCK "S"	MEXICO	7327	93	143	10MR	TR	88	-
15	MAYA 74"S"-MONCHO "S"	MEXICO	7144	93	143	TR	10MS	97	10
39	BOBWHITE "S"	MEXICO	7044	98	141	0	0	107	30
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	7044	95	142	10MR	TR	97	-
6	VEERY "S"	MEXICO	6972	97	139	TR	0	98	40
38	MAPACHE (TCL.)	MEXICO	6960	87	136	0	0	115	30
18	BUCK BUCK "S"	MEXICO	6933	95	146	10MS	10R	93	30
29	IMURIS T79	MEXICO ***	6638	93	138	10MS	TR	88	-
10	PAVON 76	MEXICO	6627	92	136	10R	10MS	87	-
27	CHUKAR "S"	MEXICO	6477	95	139	10MS	5MR	93	-
12	ROMI	SPAIN	6433	87	130	30MS	10S	105	40
49	HP 1209	INDIA	6410	87	134	TR	TR	95	40
36	ANTIZANA	ECUADOR	6366	87	134	TR	0	100	30
9	TITMOUSE "S"	MEXICO	6349	92	138	30S	10MS	90	80
16	ALONDRA "S"	MEX/BRAZ	6349	98	142	0	0	103	-
11	PAVON "S"	MEXICO	6316	94	140	0	10S	98	40
25	CHAT "S"	MEXICO	6188	96	138	0	0	100	10
33	HD 2172	INDIA	6149	91	136	0	5MR	98	30
34	JUNCO "S"	MEXICO	5961	91	137	30S-MR	TR	112	-
44	HAZERA 806/1976	ISRAEL	5922	93	139	30MR	10MS	93	40
14	INIA/SONG4-P4160EXSON64	PAKISTAN	5744	87	131	20MS	20S	98	20
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	5722	92	139	TR	0	98	70
43	Q. T. 4081	AUSTRALIA	5616	98	146	10MR	0	97	60
46	MALABADI	TURKEY	5611	96	138	30S	10S	98	-
50	LOCAL CHECK		5588	90	133	40S	10S	97	-
40	ABU GHRAIB # 3	IRAQ	5505	91	136	70S	20S	100	10
17	FLICKER "S"	MEXICO	5427	96	138	30S	TS	100	45
24	KLEIN CHAMACO	ARGENTINA	5377	88	133	0	0	107	40
31	NACAZARI 76	MEXICO	5366	92	136	50S	20S	97	-
26	UP 262	INDIA	5238	86	126	10MS	TS	105	23
41	MARCOS JUAREZ INTA	ARGENTINA	5127	95	138	60S	10S	112	50
47	MAHISSA 18	SPAIN	5122	91	137	60S	10S	103	-
5	SONALIKA	INDIA	5027	80	123	40S	10S	100	70
23	DOUGGA	TUNISIA	5027	98	143	30S	10S	88	30
28	ANZA	U.S.A.	4794	97	142	60S	20S	90	-
1	Q. T. 4083	AUSTRALIA	4772	97	140	0	0	117	30
21	S 331 - NOR 67	LEBANON	4683	102	141	20MR	TR	110	-
7	PK 3563 - CH 70	PAKISTAN	4622	94	139	20MR	20S	100	-
30	LAP 286	ARGENTINA	4611	104	147	20MS-MR	TR	102	20
2	PIMA 77	MEXICO	4522	93	137	10MR	10S	88	30
8	ZARAGURO "S"	ECUADOR	4505	98	140	5R	0	103	75
13	ESTANZUELA DAKARU	URUGUAY	4127	93	135	10MR	TR	123	30
37	SIETE CERROS	MEXICO	4055	94	136	60S	10S	100	20
3	CHIVITO	GUATEMALA	3866	98	143	0	0	103	70
20	K 6106.3	KENYA	3839	96	141	0	0	110	53
4	KAVKO "S"	KENYA	3766	97	138	0	0	130	30
19	SUN 11 B - 15	AUSTRALIA	3672	91	129	60S	10S	108	77
35	MN 7086	U.S.A.	3366	112	-	30S	TR	103	80
22	GLENLEA	CANADA	3039	93	131	10MR	10S	132	50

GRAND MEAN 5546.0 93.6 137.6 16.2 5.2 101.4 43.2
 STANDARD ERROR OF GRAND MEAN 49.8
 COEFFICIENT OF VARIATION AS PC 11.0
 - LSD VARIETY MEANS 5 PC 988.3

CORRELATIONS

YIELD KG/HA	FLOW DAYS	MAT DAYS	STRP RT.L	LEAF RUST	PLNT HT	LODG %
	-0.33					
	0.17	0.71				
	-0.30	-0.06	-0.26			
	-0.18	-0.24	-0.27	0.65		
	-0.53	0.07	-0.24	-0.09	-0.20	
	-0.30	0.15	-0.10	0.10	-0.15	-0.03

CIANO (1ST DATE)

CEREAL STAFF

LATITUDE	027 20'N	DATE PLANTED	11/17/79	NITROGEN	--
LONGITUDE	109 54'W	DATE HARVESTED	4/20/80	PHOSPHORUS	--
ELEVATION	0038 M.ABOVE S.L.	AMOUNT OF MOISTURE	-- MM	POTASSIUM	--

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION GOOD.
 WEATHER NORMAL. SLIGHT DISEASE INCIDENCE. CHEMICAL CONTROL OF INSECTS.
 NO WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE. INSECT, WEED AND BIRD PROBLEMS NOT REPORTED.
 LOCAL CHECK: NACUZARI 76

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	LEAF RUST	PLNT HT
32	BITTERN "S" (DURUM)	MEXICO	5815	89	0	82
33	HD 2172	INDIA	5771	92	SMS-S	95
40	ABU GHRAIB # 3	IRAQ	5760	87	0	88
42	BUCK BUCK "S"	MEXICO	5756	90	0	73
31	NACUZARI 76	MEXICO	5682	87	TMS	78
15	MAYA 74"S"-MONCHO "S"	MEXICO	5656	90	0	85
11	PAVON "S"	MEXICO	5612	91	5S	88
10	PAVON 76	MEXICO	5595	92	5S	82
46	MALABADI	TURKEY	5563	93	TS	83
28	ANZA	U.S.A.	5515	93	10S	83
29	IMURIS T79	MEXICO	5497	91	0	80
50	LOCAL CHECK		5415	89	TMR	77
27	CHUKAR "S"	MEXICO	5345	97	0	83
18	BUCK BUCK "S"	MEXICO	5289	91	0	87
34	JUNCO "S"	MEXICO	5263	89	0	95
44	HAZERA 806/1976	ISRAEL	5178	89	SMS-S	72
17	FLICKER "S"	MEXICO	5167	98	0	97
2	PIMA 77	MEXICO	5150	91	TMS	80
37	SIETE CERROS	MEXICO	5145	91	5S	80
47	MAHISSA 18	SPAIN	5137	89	TS	87
7	PK 3563 - CH 70	PAKISTAN	5095	96	5MR	97
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	4982	91	0	83
9	TITMOUSE "S"	MEXICO	4973	89	0	77
23	DOUGGA	TUNISIA	4971	95	0	78
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	4919	90	0	77
6	VEERY "S"	MEXICO	4900	98	TMS	85
25	CHAT "S"	MEXICO	4745	96	SMS	90
36	ANTIZANA	ECUADOR	4671	80	TR	87
21	S 331 - NOR 67	LEBANON	4574	99	0	92
39	BOBWHITE "S"	MEXICO	4489	94	0	88
41	MARCOS JUAREZ INTA	ARGENTINA	4397	94	0	95
3	CHIVITO	GUATEMALA	4345	97	0	100
26	UP 262	INDIA	4141	86	20MS	90
12	ROMI	SPAIN	4000	85	TMR	88
38	MAPACHE (TCL.)	MEXICO	3967	87	0	100
24	KLEIN CHAMACO	ARGENTINA	3948	90	0	87
13	ESTANZUELA DAKARU	URUGUAY	3928	92	5S	105
49	HP 1209	INDIA	3926	83	0	82
20	K 6106.3	KENYA	3893	93	TR	88
43	Q. T. 4081	AUSTRALIA	3789	93	TS	82
14	INIA/SON64-P4160EXSON64	PAKISTAN	3734	88	20S	88
1	Q. T. 4083	AUSTRALIA	3695	98	0	95
19	SUN 11 B - 15	AUSTRALIA	3667	89	0	80
5	SONALIKA	INDIA	3595	75	40S	83
16	ALONDRA "S"	MEX/BRAZ	3356	99	5S	88
30	LAP 286	ARGENTINA	3317	-	0	97
8	ZARAGURO "S"	ECUADOR	3161	97	0	92
4	KAVKO "S"	KENYA	2522	94	TR	103
35	MN 7086	U.S.A.	2384	-	0	97
22	GLENLEA	CANADA	2382	93	TR	107

GRAND MEAN	4595.6	91.0	2.7	87.5
STANDARD ERROR OF GRAND MEAN		0.2	0.3	0.4
COEFFICIENT OF VARIATION AS PC		1.7	139.6	5.7
LSA VARIETY MEANS 5 PC		3.2	6.2	8.1

CORRELATIONS

YIELD KG/HA				
FLOW DAYS	-0.03			
LEAF RUST	-0.10	-0.49		
PLNT HT	-0.54	0.29	-0.12	

DAVIS (UNIV. CALIF.)

CEREAL STAFF

LATITUDE 038 32'N

DATE PLANTED 11/13/79

NITROGEN APPLIED

LONGITUDE 121 46'W

DATE HARVESTED 6/25/80

PHOSPHORUS --

ELEVATION 0018 M.ABOVE S.L.

AMOUNT OF MOISTURE 576 MM

POTASSIUM --

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.

SLIGHT DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE.

SLIGHT WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.

CHEMICAL CONTROL OF WEEDS. -39RAMONA 50

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	PLNT HT	1000 G.W.	SEPT TRIT
46	MALABADI	TURKEY	7671	77	144	186	97	43	26
28	ANZA	U.S.A.	7666	79	147	190	87	41	11
21	S 331 - NOR 67	LEBANON	7421	75	153	191	123	44	4
31	NACQZARI 76	MEXICO	7388	77	145	185	97	45	4
23	DOUGGA	TUNISIA	7371	78	151	190	102	41	30
2	PIMA 77	MEXICO	7385	76	146	190	95	42	41
11	PAVON "S"	MEXICO	7266	79	147	188	95	37	4
6	VEERY "S"	MEXICO	7260	79	149	186	93	42	37
47	MAHISSA 18	SPAIN	7260	75	146	190	100	49	33
40	ABU GHRAIB # 3	IRAQ	7172	75	140	184	95	37	26
38	MAPACHE (TCL.)	MEXICO	6960	67	139	184	110	-	0
33	HD 2172	INDIA	6944	76	150	190	101	46	4
15	MAYA 74"S"-MONCHO "S"	MEXICO	6927	75	145	186	99	47	26
44	HAZERA 806/1976	ISRAEL	6827	77	144	183	91	43	15
10	PAVON 76	MEXICO	6805	76	146	190	93	36	0
5	SONALIKA	INDIA	6738	77	133	186	97	52	56
32	BITTERN "S"(DURUM)	MEXICO	6699	80	149	190	86	65	0
34	JUNCO "S"	MEXICO	6572	76	142	188	105	47	0
25	CHAT "S"	MEXICO	6572	77	150	188	103	44	0
7	PK 3563 - CH 70	PAKISTAN	6544	78	156	194	107	37	44
43	Q. T. 4081	AUSTRALIA	6527	79	146	184	91	38	0
35	MN 7086	U.S.A.	6510	76	166	199	119	30	0
17	FLICKER "S"	MEXICO	6472	76	142	184	91	45	30
9	TITMOUSE "S"	MEXICO	6449	77	144	186	92	37	0
24	KLEIN CHAMACO	ARGENTINA	6427	78	144	184	100	36	0
8	ZARAGURO "S"	ECUADOR	6322	76	146	191	104	37	0
19	SUN 11 B - 15	AUSTRALIA	6233	75	143	184	106	46	59
41	MARCOS JUAREZ INTA	ARGENTINA	6205	75	142	182	104	46	0
30	LAP 286	ARGENTINA	6177	75	162	198	115	35	0
29	IMURIS T79	MEXICO	6133	77	146	195	92	37	15
37	SIETE CERROS	MEXICO	6061	78	149	190	107	39	33
42	BUCK BUCK "S"	MEXICO	6044	75	146	186	92	44	22
18	BUCK BUCK "S"	MEXICO	5983	75	144	186	94	41	4
39	BOBWHITE "S"	MEXICO ***	5955	76	146	186	95	36	0
12	ROMI	SPAIN	5916	78	145	191	101	46	44
27	CHUKAR "S"	MEXICO	5911	79	143	184	94	47	45
14	INIA/SON64-P4160EXSON64	PAKISTAN	5877	75	146	191	106	44	29
3	CHIVITO	GUATEMALA	5877	71	148	190	103	47	0
26	UP 262	INDIA	5777	77	140	183	102	51	18
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	5744	74	144	186	93	48	26
36	ANTIZANA	ECUADOR	5655	78	138	186	93	52	15
13	ESTANZUELA DAKARU	URUGUAY	5588	70	154	193	129	38	0
50	LOCAL CHECK		5499	76	133	179	115	50	44
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	5461	73	140	184	85	44	7
1	Q. T. 4083	AUSTRALIA	5355	73	150	186	113	37	15
16	ALONDRA "S"	MEX/BRAZ	5011	77	146	186	97	49	4
20	K 6106.3	KENYA	4966	74	150	190	102	34	22
22	GLENLEA	CANADA	4761	76	151	186	122	49	0
4	KAVKO "S"	KENYA	4572	72	151	192	125	37	19
49	HP 1209	INDIA	4477	73	137	180	89	55	30

GRAND MEAN	6306.3	75.9	146.1	187.6	101.1	42.9	16.8
STANDARD ERROR OF GRAND MEAN	68.9					0.3	
COEFFICIENT OF VARIATION AS PC	13.4					3.2	
LSD VARIETY MEANS 5 PC	1366.8					5.2	

CORRELATIONS

YIELD KG/HA							
TEST WT	0.35						
FLOW DAYS	0.07	0.02					
MAT DAYS	0.13	0.01	0.00				
PLNT HT	-0.25	-0.43	0.47	0.36			
1000 G.W.	-0.11	0.10	-0.50	-0.43	-0.27		
SEPT TRIT	0.01	0.17	-0.32	-0.17	-0.12	0.22	

ST. PAUL

CEREAL STAFF

LATITUDE	044 57'N	DATE PLANTED	4/27/80	NITROGEN	--
LONGITUDE	093 05'W	DATE HARVESTED	8/ 4/80	PHOSPHORUS	--
ELEVATION	M.ABOVE S.L.	AMOUNT OF MOISTURE	120 MM	POTASSIUM	--

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 NEGLIGIBLE DISEASE DEVELOPMENT. NEGLIGIBLE INSECT DAMAGE. NO WEED PROBLEM.
 CHEMICAL CONTROL OF WEEDS. MECHANICAL CONTROL OF WEEDS. HAND WEEDING.
 LOCAL CHECK ERA

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	PLNT HT
26	UP 262	INDIA	2520	75	79
43	Q. T. 4081	AUSTRALIA	2434	75	71
10	PAVON 76	MEXICO	2354	75	84
34	JUNCO "S"	MEXICO	2347	75	82
38	MAPACHE (TCL.)	MEXICO	2300	59	93
31	NACQZARI 76	MEXICO	2299	73	75
33	HD 2172	INDIA	2289	74	75
11	PAVON "S"	MEXICO	2278	69	83
6	VEERY "S"	MEXICO	2275	68	75
28	ANZA	U.S.A.	2265	73	71
18	BUCK BUCK "S"	MEXICO	2170	70	75
47	MAHISSA 18	SPAIN	2157	71	78
35	MN 7086	U.S.A.	2153	70	82
24	KLEIN CHAMACO	ARGENTINA	2142	74	82
40	ABU GHRAIB # 3	IRAQ	2140	73	76
16	ALONDRA "S"	MEX/BRAZ	2109	69	91
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	2100	73	73
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO ***	2093	69	68
15	MAYA 74"S"-MONCHO "S"	MEXICO	2063	72	78
9	TITMOUSE "S"	MEXICO	2028	73	71
4	KAVKO "S"	KENYA	2028	73	91
12	ROMI	SPAIN	2015	71	84
5	SONALIKA	INDIA	2006	74	82
14	INIA/SON64-P4160EXSON64	PAKISTAN	1988	71	81
36	ANTIZANA	ECUADOR	1977	73	75
20	K 6106.3	KENYA	1970	71	79
30	LAP 286	ARGENTINA	1931	70	74
50	LOCAL CHECK		1895	69	80
13	ESTANZUELA DAKARU	URUGUAY	1889	71	91
1	Q. T. 4083	AUSTRALIA	1886	66	91
46	MALABADI	TURKEY	1885	71	73
42	BUCK BUCK "S"	MEXICO	1882	71	74
19	SUN 11 B - 15	AUSTRALIA	1874	68	68
44	HAZERA 806/1976	ISRAEL	1868	75	68
17	FLICKER "S"	MEXICO	1860	64	76
2	PIMA 77	MEXICO	1831	68	74
37	SIETE CERROS	MEXICO	1829	72	70
25	CHAT "S"	MEXICO	1811	71	81
7	PK 3563 - CH 70	PAKISTAN	1782	72	83
39	ECOWHITE "S"	MEXICO	1765	75	80
22	GLEMLEA	CANADA	1760	69	104
23	DOUGGA	TUNISIA	1758	68	72
8	ZARAGURO "S"	ECUADOR	1743	66	87
32	BITTERN "S"(DURUM)	MEXICO	1743	72	68
41	MARCOS JUAREZ INTA	ARGENTINA	1733	69	85
49	HP 1209	INDIA	1731	75	81
29	IMURIS T79	MEXICO	1724	68	74
3	CHIVITO	GUATEMALA	1722	62	91
27	CHUKAR "S"	MEXICO	1614	70	75
21	S 331 - NOR 67	LEBANON	1386	63	78

GRAND MEAN	1988.0	70.5	79.0
STANDARD ERROR OF GRAND MEAN	17.3		0.3
COEFFICIENT OF VARIATION AS PC	10.7		5.0
LSA VARIETY MEANS 5 PC	343.5		6.5

CORRELATIONS

YIELD KG/HA	
TEST WT	0.36
PLNT HT	-0.04 -0.30

ROYAL SLOPE
CEREAL STAFFLATITUDE 046 57'N
LONGITUDE 119 20'W
ELEVATION M.ABOVE S.L.DATE PLANTED 4/15/80
DATE HARVESTED 9/12/80
AMOUNT OF MOISTURE 539 MMNITROGEN APPLIED
PHOSPHORUS APPLIED
POTASSIUM --NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
NEGLECTIBLE DISEASE DEVELOPMENT. NEGLECTIBLE INSECT DAMAGE.
NO WEED PROBLEM. NEGLECTIBLE BIRD DAMAGE.
CHEMICAL CONTROL OF WEEDS. LOCAL CHECK: WAMPUM

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	MAT DAYS	STRP RT. L	LEAF RUST	PLNT HT	1000 G.W.
18	BUCK BUCK "S"	MEXICO	8187	78	70	22	33	76	39
29	IMURIS T79	MEXICO	8171	77	70	22	33	76	39
42	BUCK BUCK "S"	MEXICO	8110	78	70	22	33	74	40
39	BOBWHITE "S"	MEXICO	7785	82	68	22	22	84	34
38	MAPACHE (TCL.)	MEXICO	7639	66	67	22	33	104	55
6	VEERY "S"	MEXICO	7614	80	71	11	11	84	36
46	MALABADI	TURKEY	7585	80	67	22	67	79	37
34	JUNCO "S"	MEXICO	7576	80	68	33	33	89	43
9	TITMOUSE "S"	MEXICO	7548	79	69	22	44	79	37
5	SONALIKA	INDIA	7329	80	66	33	22	89	49
32	BITTERN "S" (DURUM)	MEXICO	7305	82	69	22	22	74	55
10	PAVON 76	MEXICO	7301	82	70	11	33	86	38
31	NACQZARI 76	MEXICO	7272	80	68	67	67	79	38
25	CHAT "S"	MEXICO	7254	80	70	33	56	81	41
40	ABU GHRAIB # 3	IRAQ	7224	80	69	67	67	81	34
11	PAVON "S"	MEXICO ***	7211	82	70	11	33	86	38
2	PIMA 77	MEXICO	7194	77	68	11	44	79	32
17	FLICKER "S"	MEXICO	7123	79	71	22	11	86	38
36	ANTIZANA	ECUADOR	7110	79	69	33	44	81	44
33	HD 2172	INDIA	7107	82	69	22	33	81	41
43	Q. T. 4081	AUSTRALIA	7068	82	68	44	44	74	33
15	MAYA 74 "S" - MONCHO "S"	MEXICO	6937	81	68	22	11	79	43
30	LAP 286	ARGENTINA	6912	79	68	22	22	84	33
47	MAHISA 18	SPAIN	6835	78	68	56	33	84	36
7	PK 3563 - CH 70	PAKISTAN	6832	82	70	22	56	87	37
21	S 331 - NOR 67	LEBANON	6664	77	71	44	33	91	40
20	ANZA	U.S.A.	6642	80	70	0	56	74	31
24	KLEIN CHAMACO	ARGENTINA	6557	80	69	22	56	94	32
3	CHIVITO	GUATEMALA	6474	74	73	11	22	89	39
16	ALONDRA "S"	MEX/BRAZ	6448	79	69	56	44	86	44
1	Q. T. 4083	AUSTRALIA	6391	72	72	11	33	102	32
20	K 6106.3	KENYA	6389	78	69	44	22	86	35
45	MAIPO "S" - PJ62XEMU "S"	MEXICO	6378	82	68	11	33	76	47
26	UP 262	INDIA	6309	78	68	56	67	89	41
8	ZARAGURO "S"	ECUADOR	6256	77	74	22	0	86	33
23	DOUGGA	TUNISIA	6205	80	70	44	22	81	34
48	HEIMA-COC75 X BLUEJAY "S"	MEXICO	6182	80	68	11	33	74	42
41	MARCOS JUAREZ INTA	ARGENTINA	6037	80	70	22	11	86	44
49	HP 1209	INDIA	6021	79	67	22	33	74	48
27	CHUKAR "S"	MEXICO	5833	80	70	78	44	79	37
35	MN 7086	U.S.A.	5793	79	71	67	11	91	33
14	INIA/SON64-P4160EXSON64	PAKISTAN	5745	78	70	78	11	81	38
12	ROMI	SPAIN	5558	80	69	22	44	97	38
37	SIETE CERROS	MEXICO	5476	77	69	56	44	81	35
44	HAZERA 806/1976	ISRAEL	5433	80	68	67	67	76	36
19	SUN 11 B - 15	AUSTRALIA	4946	78	67	56	11	94	42
13	ESTANZUELA DAKARU	URUGUAY	4915	80	68	56	44	109	35
4	KAVKO "S"	KENYA	4820	76	68	0	11	112	38
22	GLENLEA	CANADA	4405	79	70	11	56	117	40
50	LOCAL CHECK		4082	74	75	100	78	84	25

GRAND MEAN 6603.7
STANDARD ERROR OF GRAND MEAN 40.3
COEFFICIENT OF VARIATION AS PC 7.5
LSD VARIETY MEANS 5 PC 800.0

CORRELATIONS

YIELD KG/HA	TEST WT	MAT DAYS	STRP RT. L	LEAF RUST	PLNT HT	1000 G.W.
	0.13					
	-0.19	-0.23				
	-0.38	-0.05	0.08			
	-0.08	0.05	-0.08	0.31		
	-0.47	-0.39	0.04	-0.10	-0.09	
	0.24	-0.04	-0.46	-0.24	-0.24	-0.01

TAMWORTH ARC
CEREAL STAFF

LATITUDE 31 00'S DATE PLANTED ---/---/---
LONGITUDE 151 00'E DATE HARVESTED ---/---/---
ELEVATION 600 M.ABOVE S.L. AMOUNT OF MOISTURE -- MM

NITROGEN --
PHOSPHORUS --
POTASSIUM --

NORMAL SOWING DATE.
INSECT AND WEED PROBLEMS NOT REPORTED.
INSECT, WEED AND BIRD PROBLEMS NOT REPORTED.
LOCAL CHECK NAME NOT REPORTED.

VAR NO.	VARIETY OR CROSS	ORIGIN	STRP RT.L	LEAF RUST	STEM RUST
1	Q. T. 4083	AUSTRALIA	0	0	0
2	PIMA 77	MEXICO	0	0	0
3	CHIVITO	GUATEMALA	0	0	TRMR
4	KAVKO "S"	KENYA	0	50MS	0
5	SONALIKA	INDIA	5MS	0	0
6	VEERY "S"	MEXICO	0	0	0
7	PK 3563 - CH 70	PAKISTAN	0	5MR	60S
8	ZARAGURO "S"	ECUADOR	0	0	5R
9	TITMOUSE "S"	MEXICO	0	40S	TRR
10	PAVON 76	MEXICO	0	0	10MS
11	PAVON "S"	MEXICO	0	0	0
12	ROMI	SPAIN	0	10R	60S
13	ESTANZUELA DAKARU	URUGUAY	0	50S	60S
14	INIA/SON64-P4160EXSON64	PAKISTAN	25MS	0	40S
15	MAYA 74"S"-MONCHO "S"	MEXICO	0	0	0
16	ALONDRA "S"	MEX/BRAZ	0	50S	TRS
17	FLICKER "S"	MEXICO	0	60S	0
18	BUCK BUCK "S"	MEXICO	0	5R	10S
19	SUN 11 B - 15	AUSTRALIA	10MS	0	0
20	K 6106.3	KENYA	0	5MR	0
21	S 331 - NOR 67	LEBANON	0	0	0
22	GLENLEA	CANADA	0	10MR	TRMS
23	DOUGGA	TUNISIA	30MS	0	0
24	KLEIN CHAMACO	ARGENTINA	0	40S	0
25	CHAT "S"	MEXICO	5R	0	5R
26	UP 262	INDIA	30S	30S	50S
27	CHUKAR "S"	MEXICO	0	30S	0
28	ANZA	U.S.A.	0	5R, 40S	50S
29	IMURIS T79	MEXICO	0	10MS	20S
30	LAP 286	ARGENTINA	0	40S	20S
31	NACCOZARI 76	MEXICO	---	---	---
32	BITTERN "S" (DURUM)	MEXICO	0	5VR	TRR
33	HD 2172	INDIA	20MS	0	0
34	JUNCO "S"	MEXICO	0	0	0
35	MN 7086	U.S.A.	10MR	0	TRMS
36	ANTIZANA	ECUADOR	0	40S	0
37	SIETE CERROS	MEXICO	10MS	50S	70S
38	MAPACHE (TCL.)	MEXICO	0	5R	0
39	BOBWHITE "S"	MEXICO	0	0	0
40	ABU GHRAIB # 3	IRAQ	0	50S	20S
41	MARCOS JUAREZ INTA	ARGENTINA	20MS	0	TRMS
42	BUCK BUCK "S"	MEXICO	0	0	5MR
43	Q. T. 4081	AUSTRALIA	0	0	5R
44	HAZERA 806/1976	ISRAEL	0	0	10S
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	0	5MR	20MS
46	MALABADI	TURKEY	10MR	0	10R
47	MAHISSA 18	SPAIN	30MS	50S	30S
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	0	40MS	30S
49	HP 1209	INDIA	0	0	60S
50	LOCAL CHECK		---	---	---

GRAND MEAN 3.3 13.3 13.0
STANDARD ERROR OF GRAND MEAN
COEFFICIENT OF VARIATION AS PC
LSD VARIETY MEANS 5 PC

CORRELATIONS

STPP RT.L
LEAF RUST 0.06
STEM RUST 0.21 0.26

C. R. E. A.

CEREAL STAFF

LATITUDE 21 0'S DATE PLANTED 6/25/80

LONGITUDE 167 0'E DATE HARVESTED 10/31/80

ELEVATION 0 M.ABOVE S.L. AMOUNT OF MOISTURE 200 MM

NITROGEN APPLIED

PHOSPHORUS APPLIED

POTASSIUM APPLIED

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.

NEGLECTIBLE DISEASE DEVELOPMENT. NEGLECTIBLE INSECT DAMAGE.

NO WEED PROBLEM. MODERATE BIRD DAMAGE.

HAND WEEDING. LOCAL CHECK NAME NOT REPORTED.

THIS SITE NOT INCLUDED IN SUMMARIES

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	PLNT HT	1000 G.W.
21	S 331 - NOR 67	LEBANON	223	95	49
6	VEERY "S"	MEXICO	215	81	39
7	PK 3563 - CH 70	PAKISTAN	200	93	42
10	PAVON 76	MEXICO	193	93	41
25	CHAT "S"	MEXICO	185	85	46
16	ALONDRA "S"	MEX/BRAZ	177	96	42
30	LAP 286	ARGENTINA	177	92	31
29	IMURIS T79	MEXICO	173	87	40
38	MAPACHE (TCL.)	MEXICO	171	87	35
41	MARCOS JUAREZ INTA	ARGENTINA	170	104	44
1	Q. T. 4083	AUSTRALIA	168	104	51
37	SIETE CERROS	MEXICO	168	87	38
31	NACAZARI 76	MEXICO	166	66	34
18	BUCK BUCK "S"	MEXICO	163	85	39
2	PIMA 77	MEXICO	163	69	34
33	HD 2172	INDIA	163	96	44
40	ABU GHRAIB # 3	IRAQ	161	92	43
36	ANTIZANA	ECUADOR	159	88	43
27	CHUKAR "S"	MEXICO	155	77	45
12	ROMI	SPAIN	147	93	42
20	K 6106.3	KENYA	147	90	36
43	Q. T. 4081	AUSTRALIA	146	73	45
26	UP 262	INDIA	145	93	51
34	JUNCO "S"	MEXICO	144	95	34
39	BOBWHITE "S"	MEXICO	142	88	35
11	PAVON "S"	MEXICO	139	88	56
17	FLICKER "S"	MEXICO	139	84	32
45	MAIPO "S"-PJ62XEMU "S"	MEXICO	136	80	39
4	KAVKO "S"	KENYA	131	109	42
47	MAHISSA 18	SPAIN	125	88	36
50	LOCAL CHECK		123	84	-
42	BUCK BUCK "S"	MEXICO	122	70	37
14	INIA/SON64-P4160EXSON64	PAKISTAN	122	75	36
46	MALABADI	TURKEY	115	84	35
22	GLENLEA	CANADA	113	100	46
13	ESTANZUELA DAKARU	URUGUAY	110	110	36
23	DOUGGA	TUNISIA	110	71	35
9	TITMOUSE "S"	MEXICO	104	84	35
19	SUN 11 B - 15	AUSTRALIA	101	97	49
32	BITTERN "S" (DURUM)	MEXICO	101	83	53
24	KLEIN CHAMACO	ARGENTINA	99	90	35
35	MN 7086	U.S.A.	99	95	30
15	MAYA 74 "S"-MONCHO "S"	MEXICO	94	83	44
48	HEIMA-COC75 X BLUEJAY "S"	MEXICO	81	71	38
3	CHIVITO	GUATEMALA	80	100	47
28	ANZA	U.S.A.	78	77	35
44	HAZERA 806/1976	ISRAEL	75	78	41
5	SONALIKA	INDIA	72	85	58
49	HP 1209	INDIA	62	76	48
8	ZARAGURO "S"	ECUADOR	58	92	32

GRAND MEAN 136.3 87.3 40.7
 STANDARD ERROR OF GRAND MEAN
 COEFFICIENT OF VARIATION AS PC
 LSD VARIETY MEANS 5 PC

CORRELATIONS

YIELD KG/HA
 PLNT HT 0.15
 1000 G.W. 0.00 0.21

PALMERSTON NORTH

CEREAL STAFF

LATITUDE	040 23'S	DATE PLANTED	10/23/79	NITROGEN	--
LONGITUDE	175 37'E	DATE HARVESTED	3/13/80	PHOSPHORUS	--
ELEVATION	0015 M.ABOVE S.L.	AMOUNT OF MOISTURE	-- MM	POTASSIUM	--

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 NEGLIGIBLE DISEASE DEVELOPMENT. NEGLIGIBLE INSECT DAMAGE. SLIGHT WEED PROBLEM.
 NEGLIGIBLE BIRD DAMAGE. CHEMICAL CONTROL OF WEEDS.
 LOCAL CHECK: ROMGOTEA

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	PLNT HT	SHTR %
38	MAPACHE (TCL.)	MEXICO	6628	58	80	0
6	VEERY "S"	MEXICO	6100	64	73	0
50	LOCAL CHECK		6018	63	78	0
39	BOBWHITE "S"	MEXICO	5807	64	72	3
35	MN 7886	U.S.A. ***	5612	62	75	0
3	CHIVITO	GUATEMALA	5443	63	82	0
44	HAZERA 806/1976	ISRAEL	5284	56	67	0
7	PK 3563 - CH 70	PAKISTAN	5246	61	73	2
17	FLICKER "S"	MEXICO	5143	60	82	3
42	BUCK BUCK "S"	MEXICO	5066	62	63	3
29	INURIS T79	MEXICO	4974	62	73	8
31	NACUZARI 76	MEXICO	4964	57	68	0
28	ANZA	U.S.A.	4956	60	65	0
22	GLENLEA	CANADA	4732	64	102	3
18	BUCK BUCK "S"	MEXICO	4665	61	68	10
9	TITMOUSE "S"	MEXICO	4515	57	68	7
8	ZARAGURO "S"	ECUADOR	4407	66	90	5
33	HD 2172	INDIA	4276	59	75	5
36	ANTIZANA	ECUADOR	4161	56	70	5
40	ABU GHRAIB # 3	IRAQ	4157	55	73	0
20	K 6106.3	KENYA	4122	58	75	0
30	LAP 286	ARGENTINA	4063	53	80	5
21	S 331 - NOR 67	LEBANON	4005	61	82	2
43	Q. T. 4081	AUSTRALIA	4003	59	65	0
1	Q. T. 4083	AUSTRALIA	3973	65	90	7
15	MAYA 74"S"-MONCHO "S"	MEXICO	3877	58	63	2
41	MARCOS JUAREZ INTA	ARGENTINA	3872	63	97	5
27	CHUKAR "S"	MEXICO	3805	62	82	8
2	PIMA 77	MEXICO	3784	56	68	2
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3767	59	72	2
24	KLEIN CHAMACO	ARGENTINA	3691	58	82	7
34	JUNCO "S"	MEXICO	3579	57	80	13
19	SUN 11 B - 15	AUSTRALIA	3517	59	80	0
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	3368	58	67	0
32	BITTERN "S" (DURUM)	MEXICO	3348	57	65	0
5	SONALIKA	INDIA	3250	54	77	3
49	HP 1209	INDIA	3223	54	70	0
26	UP 262	INDIA	3218	57	77	7
13	ESTANZUELA DAKARU	URUGUAY	3193	59	102	27
23	DOUGGA	TUNISIA	3141	59	77	12
4	KAVKO "S"	KENYA	3134	59	93	30
10	PAVON 76	MEXICO	3062	61	87	57
46	MALABADI	TURKEY	3036	57	67	2
37	SIETE CERROS	MEXICO	2965	58	82	30
11	PAVON "S"	MEXICO	2941	60	85	37
25	CHAT "S"	MEXICO	2754	62	78	10
47	MAHISSA 18	SPAIN	2694	56	75	17
14	INIA/SON64-P4160EXSON64	PAKISTAN	2556	59	77	40
12	ROMI	SPAIN	2535	57	87	43
16	ALONDRA "S"	MEX/BRAZ	1491	64	93	70

GRAND MEAN	4042.4	59.4	77.4	9.8
STANDARD ERROR OF GRAND MEAN	45.3	0.1	0.4	
COEFFICIENT OF VARIATION AS PC	13.7	1.2	6.2	
LSD VARIETY MEANS 5 PC	899.1	1.2	7.8	

CORRELATIONS				
YIELD	KG/HA			
FLOW	DAYS	0.30		
PLNT	HT	-0.26	0.40	
SHTR	%	-0.63	0.11	0.49

SAN BENITO
CEREAL STAFF

LATITUDE 017 30'S

DATE PLANTED 1/ 4/80

NITROGEN APPLIED

LONGITUDE 066 06'W

DATE HARVESTED --/--/--

PHOSPHORUS APPLIED

ELEVATION 2730 M. ABOVE S.L.

AMOUNT OF MOISTURE 2960 MM

POTASSIUM --

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION POOR.
SLIGHT DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. SLIGHT WEED PROBLEM.
NEGLIGIBLE BIRD DAMAGE. HAND WEEDING.
WEATHER ABNORMAL.

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	STEM RUST	PLNT HT
10	PAVON 76	MEXICO	4357	62	0	78
34	JUNCO "S"	MEXICO	4337	61	0	87
31	NACCOZARI 76	MEXICO	4048	61	0	80
5	SONALIKA	INDIA	3753	60	0	83
25	CHAT "S"	MEXICO	3714	63	0	82
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3663	61	0	77
29	IMURIS T79	MEXICO	3592	61	0	73
40	ABU GHRAIB # 3	IRAQ	3561	62	0	78
14	INIA/SON64-P4160EXSON64	PAKISTAN	3452	62	0	82
37	SIETE CERROS	MEXICO	3444	63	0	83
11	PAVON "S"	MEXICO	3439	63	0	75
33	HD 2172	INDIA	3402	63	0	70
42	BUCK BUCK "S"	MEXICO	3337	63	0	77
47	MAHISSA 18	SPAIN	3202	62	0	78
44	HAZERA 806/1976	ISRAEL	3139	62	0	70
9	TITMOUSE "S"	MEXICO	3074	62	TS	75
36	ANTIZANA	ECUADOR ***	3031	61	0	80
12	ROMI	SPAIN	3018	62	0	78
15	MAYA 74"S"-MONCHO "S"	MEXICO	2959	62	TMR	72
46	MALABADI	TURKEY	2950	62	0	70
24	KLEIN CHAMACO	ARGENTINA	2946	63	0	87
26	UP 262	INDIA	2915	62	0	82
50	LOCAL CHECK		2913	61	TS	105
21	S 331 - NOR 67	LEBANON	2852	64	0	83
18	BUCK BUCK "S"	MEXICO	2840	63	0	68
30	LAP 286	ARGENTINA	2763	62	0	78
22	GLENLEA	CANADA	2722	63	TMR	92
38	MAPACHE (TCL.)	MEXICO	2700	61	0	97
17	FLICKER "S"	MEXICO	2672	66	0	73
2	PIMA 77	MEXICO	2668	61	TMR	70
49	HP 1209	INDIA	2611	62	TS	75
43	Q. T. 4081	AUSTRALIA	2544	61	TMS	70
23	DOUGGA	TUNISIA	2537	63	0	70
7	PK 3563 - CH 70	PAKISTAN	2502	62	0	73
28	ANZA	U.S.A.	2459	63	0	72
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	2376	63	0	63
13	ESTANZUELA DAKARU	URUGUAY	2363	62	TMS	87
20	K 6106.3	KENYA	2348	62	0	80
32	BITTERN "S" (DURUM)	MEXICO	2296	64	0	70
4	KAVKO "S"	KENYA	2261	64	0	85
8	ZARAGURO "S"	ECUADOR	2244	68	0	83
16	ALONDRA "S"	MEX/BRAZ	2213	66	0	82
27	CHUKAR "S"	MEXICO	2144	64	0	73
1	Q. T. 4083	AUSTRALIA	2031	67	0	80
6	VEERY "S"	MEXICO	2015	66	0	63
39	BOBWHITE "S"	MEXICO	1998	65	0	67
41	MARCOS JUAREZ INTA	ARGENTINA	1829	65	0	82
19	SUN 11 B - 15	AUSTRALIA	1805	63	0	77
35	MN 7086	U.S.A.	1424	70	0	75
3	CHIVITO	GUATEMALA	1368	68	TR	77

GRAND MEAN 2816.5 63.1 0.2 77.7
STANDARD ERROR OF GRAND MEAN 53.4 0.6
COEFFICIENT OF VARIATION AS PC 23.2 9.2
LSD VARIETY MEANS 5 PC 1059.1 11.6

CORRELATIONS

YIELD KG/HA
FLOW DAYS -0.67
STEM RUST -0.07 -0.25
PLNT HT 0.18 -0.16 -0.05

EST EXP ARMANDO GOMEZ

CEREAL STAFF

LATITUDE	18 39'S	DATE PLANTED	5/29/80	NITROGEN	--
LONGITUDE	63 01'W	DATE HARVESTED	9/15/80	PHOSPHORUS	--
ELEVATION	386 M.ABOVE S.L.	AMOUNT OF MOISTURE	143 MM	POTASSIUM	--

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD. MODERATE DISEASE INCIDENCE.
SLIGHT INSECT DAMAGE. NO WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.
CHEMICAL CONTROL OF INSECTS. HAND WEEDING.
LOCAL CHECK: PAI 711

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	STEM RUST	PLNT HT	LODG %	SHTR %
44	HAZERA 806/1976	ISRAEL	3566	66	116	20MS-S	69	-	5
32	BITTERN "S" (DURUM)	MEXICO	3555	83	126	20MS	75	5	-
31	NACCOZARI 76	MEXICO	3522	66	112	10MS	70	-	5
18	BUCK BUCK "S"	MEXICO	3516	71	117	20MS	73	-	5
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3516	71	117	TMS	73	8	5
38	MAPACHE (TCL.)	MEXICO	3466	68	123	0	81	-	-
6	VEERY "S"	MEXICO	3450	83	123	5MS	70	-	-
49	HP 1209	INDIA	3405	64	114	60MS-S	59	-	5
42	BUCK BUCK "S"	MEXICO	3344	68	120	20MS	71	-	5
37	SIETE CERROS	MEXICO	3277	69	116	20MS-S	73	-	13
29	IMURIS T79	MEXICO	3266	69	115	20MS-S	72	5	7
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	3233	69	115	10MS	68	-	5
28	ANZA	U.S.A.	3094	75	123	10MS-S	72	10	-
2	PIMA 77	MEXICO	3061	68	114	TMS	69	55	23
47	MAHISSA 18	SPAIN	3061	70	119	20MS-S	72	-	5
39	BOBWHITE "S"	MEXICO	2944	77	119	20MS	80	5	-
50	LOCAL CHECK		2922	70	114	20MS-S	58	-	5
36	ANTIZANA	ECUADOR	2916	67	112	20MS-S	67	-	10
25	CHAT "S"	MEXICO	2911	72	117	40MS	76	-	5
15	MAYA 74"S"-MONCHO "S"	MEXICO	2889	66	111	10MS	64	-	5
5	SONALIKA	INDIA	2877	63	111	20MS-S	69	-	5
43	Q. T. 4081	AUSTRALIA ***	2816	77	123	5MS	68	8	-
46	MALABADI	TURKEY	2772	70	117	TMS	75	50	5
33	HD 2172	INDIA	2755	82	123	10MS	68	5	-
9	TITMOUSE "S"	MEXICO	2750	66	111	20MS-S	62	-	10
24	KLEIN CHAMACO	ARGENTINA	2739	76	118	10MS	81	8	5
27	CHUKAR "S"	MEXICO	2644	80	123	TMS	77	13	-
19	SUN 11 B - 15	AUSTRALIA	2494	80	130	TMS	77	7	-
13	ESTANZUELA DAKARU	URUGUAY	2478	80	133	10MS-S	89	-	-
23	DOUGGA	TUNISIA	2478	73	118	10MS	73	8	5
21	S 331 - NOR 67	LEBANON	2478	79	122	0	85	5	10
12	ROMI	SPAIN	2455	66	115	5MS-S	73	-	23
20	K 6106.3	KENYA	2266	79	130	0	69	-	-
8	ZARAGURO "S"	ECUADOR	2250	83	124	0	79	20	-
40	ABU GHRAIB # 3	IRAQ	2211	68	111	80S	67	30	-
26	UP 262	INDIA	2189	70	115	40MS-S	75	-	10
4	KAVKO "S"	KENYA	2150	71	120	10MS	83	-	23
34	JUNCO "S"	MEXICO	2033	67	113	20MS-S	77	-	27
3	CHIVITO	GUATEMALA	2000	81	130	TMS	82	7	8
10	PAVON 76	MEXICO	1933	73	116	5MS	83	-	20
17	FLICKER "S"	MEXICO	1883	84	123	5MS-S	71	10	-
11	PAVON "S"	MEXICO	1866	74	118	5MS	85	-	22
14	INIA/SON64-P4160EXSON64	PAKISTAN	1722	66	115	20MS	73	-	40
41	MARCOS JUAREZ INTA	ARGENTINA	1716	80	126	20MS	82	-	8
1	Q. T. 4083	AUSTRALIA	1689	81	123	TS	83	5	-
22	GLENLEA	CANADA	1678	78	132	20MS	92	-	15
16	ALONDRA "S"	MEX/BRAZ	1350	83	124	20MS	82	10	10
7	PK 3563 - CH 70	PAKISTAN	249	87	116	80S	71	-	-
35	MN 7086	U.S.A.	-	-	-	TMS	-	-	-
30	LAP 286	ARGENTINA	-	-	-	40MS-S	-	-	-
GRAND MEAN			2621.6	73.5	119.2	14.7	74.2	15.0	12.8
STANDARD ERROR OF GRAND MEAN			30.2				0.3		
COEFFICIENT OF VARIATION AS PC			13.8				4.8		
LSD VARIETY MEANS 5 PC			587.1				5.7		

CORRELATIONS

YIELD KG/HA	FLOW DAYS	MAT DAYS	STEM RUST	PLNT HT	LODG %	SHTR %
	-0.47					
	-0.23	0.75				
	-0.29	-0.11	-0.38			
	-0.42	0.45	0.59	-0.29		
	0.06	-0.46	-0.43	0.21	-0.24	
	-0.51	-0.07	-0.02	-0.10	0.32	0.44

DOS CERRADOS

CEREAL STAFF

LATITUDE 015 45'S DATE PLANTED 5/ 2/80
 LONGITUDE 047 47'W DATE HARVESTED ---/---/---
 ELEVATION 1000 M.ABOVE S.L. AMOUNT OF MOISTURE 92 MM

NITROGEN APPLIED
 PHOSPHORUS APPLIED
 POTASSIUM APPLIED

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION GOOD.
 SERIOUS DISEASE INCIDENCE. NEGLIGIBLE BIRD DAMAGE.
 HAND WEEDING. LOCAL CHECK: IAC-5

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	LEAF RUST	PLNT HT	1000 G.W.
8	ZARAGURO "S"	ECUADOR	3305	82	67	0	75	36
38	MAPACHE (TCL.)	MEXICO	3104	69	53	10MR	75	44
19	SUN 11 B - 15	AUSTRALIA	3067	80	62	0	75	45
3	CHIVITO	GUATEMALA	3027	79	67	0	80	52
39	BOBWHITE "S"	MEXICO	2975	85	62		60	34
6	VEERY "S"	MEXICO	2941	82	70	0	65	37
13	ESTANZUELA DAKARU	URUGUAY	2912	82	62	10MR	85	38
30	LAP 286	ARGENTINA	2763	79	87		75	28
24	KLEIN CHAMACO	ARGENTINA	2749	84	59	10S	70	35
16	ALONDRA "S"	MEX/BRAZ	2691	80	67	0	75	48
25	CHAT "S"	MEXICO ***	2651	83	56	0	65	46
27	CHUKAR "S"	MEXICO	2536	84	65	----	65	41
9	TITMOUSE "S"	MEXICO	2392	82	53	0	60	36
33	HD 2172	INDIA	2359	83	59	50MR	65	38
34	JUNCO "S"	MEXICO	2345	82	53	0	65	43
29	IMURIS T79	MEXICO	2252	82	58	10MS	60	39
41	MARCOS JUAREZ INTA	ARGENTINA	2249	81	62	70S	75	41
11	PAVON "S"	MEXICO	2227	83	58	90S	70	38
4	KAVKO "S"	KENYA	2188	80	58	0	70	34
32	BITTERN "S"(DURUM)	MEXICO	2164	81	67	0	60	49
17	FLICKER "S"	MEXICO	2128	81	65	20S	60	37
1	Q. T. 4083	AUSTRALIA	2104	80	67	40S	75	48
22	GLENLEA	CANADA	2099	80	63	95S	80	43
23	DOUGGA	TUNISIA	2059	84	56	40MR	60	38
36	ANTIZANA	ECUADOR	2031	82	50		65	48
42	BUCK BUCK "S"	MEXICO	1991	82	56	15MR	60	41
10	PAVON 76	MEXICO	1955	84	62	95S	70	38
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	1951	83	58	40S	60	42
21	S 331 - NOR 67	LEBANON	1897	81	64	45S	70	41
35	MN 7086	U.S.A.	1845	73	93	10MS	-	28
7	PK 3563 - CH 70	PAKISTAN	1833	84	70	90S	70	39
49	HP 1209	INDIA	1688	82	50	0	60	47
46	MALABADI	TURKEY	1665	83	50	70S	60	35
18	BUCK BUCK "S"	MEXICO	1629	83	56	50MR	55	34
26	UP 262	INDIA	1592	81	56	95S	65	42
37	SIETE CERROS	MEXICO	1588	83	53	95S	70	33
20	K 6106.3	KENYA	1519	78	56	30S	65	35
40	ABU GHRAIB # 3	IRAQ	1496	83	53	80S	65	36
15	MAYA 74"S"-MONCHO "S"	MEXICO	1469	81	50	0	60	46
50	LOCAL CHECK		1469	78	62	90S	85	38
12	ROMI	SPAIN	1456	84	50	95S	60	37
43	Q. T. 4081	AUSTRALIA	1456	84	62	80S	65	31
31	NACCOZARI 76	MEXICO	1391	82	50	95S	50	37
28	ANZA	U.S.A.	1317	83	62	99S	50	31
2	PIMA 77	MEXICO	1311	81	50	95S	60	33
5	SONALIKA	INDIA	1221	81	49	99S	70	51
47	MAHISSA 18	SPAIN	1176	81	50	80S	60	35
14	INIA/SON64-P4160EXSON64	PAKISTAN	900	82	50	99S	70	38
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	875	79	50	0	60	35
44	HAZERA 806/1976	ISRAEL	777	81	50	99S	-	38

GRAND MEAN 2015.7 81.3 59.2 43.1 66.5 38.9
 STANDARD ERROR OF GRAND MEAN 26.7
 COEFFICIENT OF VARIATION AS PC 16.2
 LSD VARIETY MEANS 5 PC 529.8

YIELD KG/HA		CORRELATIONS					
TEST	WT	-0.10					
FLOW	DAYS	0.46	-0.27				
LEAF	RUST	-0.63	0.26	-0.23			
PLNT	HT	0.43	-0.36	0.37	-0.03		
1000	G.W.	0.21	-0.09	-0.21	-0.25	0.25	

LONDRINA
CEREAL STAFF

LATITUDE 023 20'S DATE PLANTED 4/10/80 NITROGEN APPLIED
 LONGITUDE 051 08'W DATE HARVESTED 9/--/80 PHOSPHORUS APPLIED
 ELEVATION M.ABOVE S.L. AMOUNT OF MOISTURE 627 MM POTASSIUM APPLIED

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 SERIOUS DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. SLIGHT WEED PROBLEM.
 NEGLIGIBLE BIRD DAMAGE. MECHANICAL CONTROL OF WEEDS. LOCAL CHECK: PARAGUAI 281

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	LEAF RUST	PLNT HT	LODG %	1000 G.W.	POWD %
4	KAVKO "S"	KENYA	3117	76	55	115	TRMR	95	0	36	60
34	JUNCO "S"	MEXICO	3117	74	49	115	TRR	90	0	33	50
25	CHAT "S"	MEXICO	2842	73	57	118	SMS	75	0	32	20
9	TITMOUSE "S"	MEXICO	2717	71	50	115	TRR	75	1	26	70
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	2700	72	48	106	TRR	70	0	29	30
49	HP 1209	INDIA	2600	75	48	115	TRR	80	0	40	40
36	ANTIZANA	ECUADOR	2575	74	48	115	TRR	85	20	33	60
6	VEERY "S"	MEXICO	2567	69	65	124	TRR	85	0	27	50
18	BUCK BUCK "S"	MEXICO ***	2433	71	64	125	TRMR	75	0	24	30
38	MAPACHE (TCL.)	MEXICO	2300	-	54	126	TRR	105	3	30	40
19	SUN 11 B - 15	AUSTRALIA	2283	67	66	135	TRR	85	30	35	50
39	BOBWHITE "S"	MEXICO	2158	74	65	135	TRR	90	5	26	40
16	ALONDRA "S"	MEX/BRAZ	2100	71	69	126	50S	85	80	32	40
42	BUCK BUCK "S"	MEXICO	2000	70	55	126	TRR	75	0	26	60
15	MAYA 74"S"-MONCHO "S"	MEXICO	1992	-	50	115	TRR	75	0	24	50
1	Q. T. 4083	AUSTRALIA	1933	69	66	125	TRR	100	0	31	60
24	KLEIN CHAMACO	ARGENTINA	1925	73	55	115	5MR	85	0	24	30
12	ROMI	SPAIN	1867	72	49	115	20MS	85	8	26	40
40	ABU GHRAIB # 3	IRAQ	1783	69	50	115	40MS	85	10	21	40
29	IMURIS T79	MEXICO	1758	67	55	124	5MR	70	0	25	40
8	ZARAGURO "S"	ECUADOR	1675	-	69	132	TRR	95	80	21	50
3	CHIVITO	GUATEMALA	1617	73	66	150	TRMR	80	0	40	60
50	LOCAL CHECK		1600	73	73	132	20MS	90	0	31	50
26	UP 262	INDIA	1500	75	50	112	60S	80	0	32	40
27	CHUKAR "S"	MEXICO	1375	76	65	126	5MR	80	0	29	40
32	BITTERN "S" (DURUM)	MEXICO	1333	-	70	135	TRR	80	5	28	50
47	MAHISSA 18	SPAIN	1325	69	48	106	60S	75	0	24	10
23	DOUGGA	TUNISIA	1308	66	55	115	10MR	70	0	23	30
46	HALABADI	TURKEY	1283	69	48	115	10MR	75	10	22	50
33	HD 2172	INDIA	1275	-	62	125	20MS	85	0	20	60
44	HAZERA 806/1976	ISRAEL	1267	68	48	100	80S	70	0	21	10
31	NACAZARI 76	MEXICO	1258	-	49	115	40S	75	60	20	20
41	MARCOS JUAREZ INTA	ARGENTINA	1250	72	67	138	TRR	85	10	30	40
22	GLENLEA	CANADA	1242	71	65	126	50MS	95	3	31	20
37	SIETE CERROS	MEXICO	1200	-	53	106	60S	80	5	20	20
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	1167	68	55	112	20MS	70	0	25	50
21	S 331 - NOR 67	LEBANON	1150	-	65	125	10MR	80	80	22	60
14	INIA/SON64-P4160EXSON64	PAKISTAN	1150	69	53	115	40MS	80	80	25	10
5	SONALIKA	INDIA	1083	66	44	100	80S	85	0	26	40
2	PIMA 77	MEXICO	1050	-	48	115	30S	70	5	21	30
11	PAVON "S"	MEXICO	917	-	62	115	60S	85	0	19	40
20	K 6106.3	KENYA	908	67	56	135	10MR	65	20	26	50
10	PAVON 76	MEXICO	875	65	63	115	60S	85	0	19	40
13	ESTANZUELA DAKARU	URUGUAY	783	68	69	143	20MS	85	50	24	50
7	PK 3563 - CH 70	PAKISTAN	700	70	73	143	40S	85	0	23	40
43	Q. T. 4081	AUSTRALIA	533	-	56	124	40MS	70	0	13	30
30	LAP 286	ARGENTINA	450	-	106	154	TRR	70	0	18	5
28	ANZA	U.S.A.	425	-	57	118	60S	60	0	14	20
35	MN 7086	U.S.A.	308	-	100	154	TRR	70	0	19	5
17	FLICKER "S"	MEXICO	217	-	70	126	70S	70	0	16	30
GRAND MEAN			1580.2	70.4	59.7	122.6	19.9	80.3	11.3	25.6	39.0
STANDARD ERROR OF GRAND MEAN			26.2								
COEFFICIENT OF VARIATION AS PC			20.3								
LSD VARIETY MEANS 5 PC			520.7								

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	LEAF RUST	PLNT HT	LODG %	1000 G.W.	POWD %
	0.53							
	-0.39	-0.01						
	-0.27	0.07	0.84					
	-0.50	-0.35	-0.20	-0.44				
	0.40	0.29	0.04	0.09	-0.16			
	-0.06	-0.15	0.06	0.11	0.00	0.14		
	0.69	0.56	-0.16	0.05	-0.41	0.45	-0.03	
	0.41	0.14	-0.18	0.08	-0.43	0.38	0.04	0.41

PALOTINA
CEREAL STAFF

LATITUDE 24 17'S DATE PLANTED 5/16/80 NITROGEN APPLIED
 LONGITUDE 53 26'W DATE HARVESTED 10/--/80 PHOSPHORUS APPLIED
 ELEVATION 300 M.ABOVE S.L. AMOUNT OF MOISTURE 673 MM POTASSIUM --

LATE SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 MODERATE DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE.
 NO WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.
 HAND WEEDING. CHEMICAL CONTROL OF INSECTS. LOCAL CHECK: NAMBU
 THIS SITE NOT INCLUDED IN SUMMARIES

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	LEAF RUST	STEM RUST	PLNT HT	SPOT BLOT	SCAB %
39	BOBWHITE "S"	MEXICO	2367	73	121	0	5MR-S	80	25	0
6	VEERY "S"	MEXICO ***	2056	73	121	30MR-MS		70	25	0
25	CHAT "S"	MEXICO	1982	64	121	0	5MR	70	25	0
9	TITMOUSE "S"	MEXICO	1965	62	121	0	5S	70	50	0
36	ANTIZANA	ECUADOR	1864	62	114	-----	20MS-S	70	50	25
49	HP 1209	INDIA	1812	62	114	-----	60S	70	25	0
26	UP 262	INDIA	1768	62	114	80MS	20MR-S	70	-	0
40	ABU GHRAIB # 3	IRAQ	1738	62	114	20MR	30MR	75	50	25
24	KLEIN CHAMACO	ARGENTINA	1694	64	121	5MS	TMR	75	25	0
34	JUNCO "S"	MEXICO	1680	62	121	0	20MR-S	75	25	25
13	ESTANZUELA DAKARU	URUGUAY	1648	82	126	5MS-S	TMR	95	25	25
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	1603	70	114	20MR	20MR-MS	65	-	25
31	NACOZARI 76	MEXICO	1566	62	114	40MS	5MR-S	70	-	0
1	Q. T. 4083	AUSTRALIA	1547	73	121	TMR-MS	20MS	85	25	50
11	PAVON "S"	MEXICO	1533	68	121	70S	TMR	80	50	50
41	MARCOS JUAREZ INTA	ARGENTINA	1532	73	126	40MS	20MR-S	90	25	25
16	ALONDRA "S"	MEX/BRAZ	1452	73	121	50MS-S	TMS-S	85	50	25
8	ZARAGURO "S"	ECUADOR	1418	73	126	0	5MR-MS	80	50	25
4	KAVKO "S"	KENYA	1394	64	121	50MR-MS	0	75	25	0
44	HAZERA 806/1976	ISRAEL	1285	62	114	-----		65	-	0
27	CHUKAR "S"	MEXICO	1272	68	121	30MS		65	25	25
18	BUCK BUCK "S"	MEXICO	1259	64	121	20MR-MS	5MS-S	75	50	25
5	SONALIKA	INDIA	1251	55	114	-----	0	75	-	-
42	BUCK BUCK "S"	MEXICO	1246	73	121	5MR	5MS	75	50	25
10	PAVON 76	MEXICO	1213	68	121	70MS-S	TMR	80	50	50
19	SUN 11 B - 15	AUSTRALIA	1209	73	121	0		85	25	0
3	CHIVITO	GUATEMALA	1142	61	126	0	0	85	50	25
15	MAYA 74"S"-MONCHO "S"	MEXICO	1139	62	121	-----	10MS	65	50	0
12	ROMI	SPAIN	1122	62	121	20S	TS	80	50	0
38	MAPACHE (TCL.)	MEXICO	1120	62	121	10MR-MS	-----	90	25	-
47	MAHISSA 18	SPAIN	1115	57	121	30MS-S	5MR	75	50	50
29	IMURIS T79	MEXICO	1100	64	121	40R-MR	TR	60	50	25
22	GLENLEA	CANADA	1053	73	126	60S	10MS-S	95	25	25
32	BITTERN "S" (DURUM)	MEXICO	1030	73	121	0	TMR	75	25	75
33	HD 2172	INDIA	1003	73	126	TMR	10MR-S	70	50	75
20	K 6106.3	KENYA	990	73	126	5MS		75	25	25
17	FLICKER "S"	MEXICO	877	73	121	20S		85	25	50
23	DOUGGA	TUNISIA	836	69	121	40MR	TMR	70	25	50
50	LOCAL CHECK		798	63	121		5MS, 30S	75	50	25
37	SIEE CERROS	MEXICO	687	62	114	80MS	5MR	70	25	75
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	677	64	121	-----	TMR	60	50	25
14	INIA/SON64-P4160EXSON64	PAKISTAN	592	62	121	-----		70	50	25
46	MALABADI	TURKEY	558	64	121	-----	10MS-S	70	-	25
2	PIMA 77	MEXICO	549	62	121	70MS-S	5MR	65	50	0
7	PK 3563 - CH 70	PAKISTAN	522	85	134	30S	TMR	70	25	50
43	Q. T. 4081	AUSTRALIA	461	73	121	-----	10MR-S	70	-	0
21	S 331 - NOR 67	LEBANON	360	73	121	70MS	TR	75	25	50
28	ANZA	U.S.A.	224	68	121	-----	20MS	60	-	25
35	MN 7086	U.S.A.	-	110	-	5MS	5MS-S	-	0	50
30	LAP 286	ARGENTINA	-	109	-	TMS	5MS-S	-	0	50

GRAND MEAN 1235.6 68.9 120.7 20.5 6.4 74.6 35.1 25.5
 STANDARD ERROR OF GRAND MEAN 11.4
 COEFFICIENT OF VARIATION AS PC 11.1
 LSD VARIETY MEANS 5 PC 222.2

CORRELATIONS

YIELD KG/HA	FLOW DAYS	MAT DAYS	LEAF RUST	STEM RUST	PLNT HT	SPOT BLOT	SCAB %
	-0.05						
	-0.28	0.37					
	-0.31	-0.22	-0.17				
	0.27	-0.11	-0.39	-0.08			
	0.22	0.21	0.35	-0.01	-0.10		
	-0.09	-0.68	-0.07	0.18	-0.16	-0.22	
	-0.40	0.35	0.22	0.11	-0.23	0.13	-0.15

PASSO FUNDO
CEREAL STAFF

LATITUDE 028 16'S DATE PLANTED 6/ 9/80
 LONGITUDE 052 00'W DATE HARVESTED 12/--/80
 ELEVATION 0700 M.ABOVE S.L. AMOUNT OF MOISTURE 960 MM

NITROGEN APPLIED
 PHOSPHORUS APPLIED
 POTASSIUM APPLIED

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 SLIGHT DISEASE INCIDENCE. SLIGHT INSECT DAMAGE.
 SLIGHT WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.
 MECHANICAL CONTROL OF WEEDS. LOCAL CHECK: CNT9
 THIS SITE NOT INCLUDED IN SUMMARIES

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	PLNT HT
50	LOCAL CHECK		2590	113	93
38	MAPACHE (TCL.)	MEXICO ***	1908	85	88
13	ESTANZUELA DAKARU	URUGUAY	1233	105	78
22	GLENLEA	CANADA	1228	104	82
8	ZARAGURO "S"	ECUADOR	830	98	78
25	CHAT "S"	MEXICO	783	93	62
33	HD 2172	INDIA	705	102	60
1	Q. T. 4083	AUSTRALIA	692	105	70
7	PK 3563 - CH 70	PAKISTAN	677	113	67
39	BOBWHITE "S"	MEXICO	637	100	65
16	ALONDRA "S"	MEX/BRAZ	573	92	68
11	PAVON "S"	MEXICO	510	93	68
24	KLEIN CHAMACO	ARGENTINA	483	91	67
30	LAP 286	ARGENTINA	478	98	60
27	CHUKAR "S"	MEXICO	473	92	63
21	S 331 - NOR 67	LEBANON	455	100	62
17	FLICKER "S"	MEXICO	452	93	58
9	TITMOUSE "S"	MEXICO	425	91	65
29	IMURIS T79	MEXICO	413	93	62
34	JUNCO "S"	MEXICO	402	95	63
20	K 6106.3	KENYA	397	100	57
18	BUCK BUCK "S"	MEXICO	395	92	63
19	SUN 11 B - 15	AUSTRALIA	392	91	67
15	MAYA 74 "S" - MONCHO "S"	MEXICO	387	92	65
4	KAVKO "S"	KENYA	385	94	80
23	DOUGGA	TUNISIA	380	98	57
10	PAVON 76	MEXICO	365	93	60
		MEXICO	362	95	60
14	INIA/SON64-P4160EXSON64	PAKISTAN	327	91	63
3	CHIVITO	GUATEMALA	318	93	77
5	SONALIKA	INDIA	308	100	70
45	MAIPO "S" - PJ62XEMU "S"	MEXICO	298	100	52
35	MN 7086	U.S.A.	298	143	2
28	ANZA	U.S.A.	290	100	60
42	BUCK BUCK "S"	MEXICO	280	93	62
2	PIMA 77	MEXICO	258	100	63
46	MALABADI	TURKEY	255	94	62
12	ROMI	SPAIN	227	91	67
41	MARCOS JUAREZ INTA	ARGENTINA	212	91	67
37	SIETE CERROS	MEXICO	187	98	55
32	BITTERN "S" (DURUM)	MEXICO	180	102	52
36	ANTIZANA	ECUADOR	170	91	57
31	NACCOZARI 76	MEXICO	160	91	60
26	UP 262	INDIA	155	87	70
40	ABU GHRAIB # 3	IRAQ	140	91	58
47	MAHISSA 18	SPAIN	132	94	53
43	Q. T. 4081	AUSTRALIA	118	102	50
49	HP 1209	INDIA	53	88	55
48	HEIMA-COC75 X BLUEJAY "S"	MEXICO	43	88	53
44	HAZERA 806/1976	ISRAEL	35	91	55
		GRAND MEAN	469.3	96.8	63.3
		STANDARD ERROR OF GRAND MEAN	16.3		0.5
		COEFFICIENT OF VARIATION AS PC	42.6		8.8
		LSD VARIETY MEANS 5 PC	323.7		9.0

CORRELATIONS

YIELD KG/HA
 FLOW DAYS 0.23
 PLNT HT 0.59 -0.42

QUILAMAPU

CEREAL STAFF

LATITUDE 036 34'S DATE PLANTED 7/31/80
 LONGITUDE 072 06'W DATE HARVESTED 1/ 3/81
 ELEVATION 0144 M.ABOVE S.L. AMOUNT OF MOISTURE 291 MM

NITROGEN APPLIED
 PHOSPHORUS APPLIED
 POTASSIUM --

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 MODERATE DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE.
 SLIGHT WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.
 CHEMICAL CONTROL OF WEEDS. LOCAL CHECK: ANDIPEN-INIA

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	STRP RT. L	LEAF RUST	PLNT HT
18	BUCK BUCK "S"	MEXICO	5431	83	93	0	10MR	75
15	MAYA 74"S"-MONCHO "S"	MEXICO	5202	82	90	30MR	0	80
3	CHIVITO	GUATEMALA	5139	76	96	0	0	88
50	LOCAL CHECK		4841	80	105	5MR	0	85
23	DOUGGA	TUNISIA	4792	82	96	50MR	0	83
2	PIMA 77	MEXICO	4702	80	90	10MR	60S	79
25	CHAT "S"	MEXICO	4639	82	98	40MR	0	83
31	NACAZARI 76	MEXICO	4632	80	92	10MS	10MR	83
6	VEERY "S"	MEXICO	4500	83	93	0	0	77
4	KAVKO "S"	KENYA	4445	80	95	10MR	0	95
7	PK 3563 - CH 70	PAKISTAN	4382	81	93	15MR	80S	82
46	MALABADI	TURKEY	4313	82	92	10MS	40MS	78
12	ROMI	SPAIN	4299	81	90	5MS	0	90
1	Q. T. 4083	AUSTRALIA	4278	80	98	0	0	93
26	UP 262	INDIA	4264	81	90	30MR	30MS	86
29	IMURIS T79	MEXICO	4236	80	94	10MS	10MR	72
34	JUNCO "S"	MEXICO	4230	82	90	0	0	83
47	MAHISSA 18	SPAIN	4209	80	92	20MS	20MS	87
17	FLICKER "S"	MEXICO	4195	80	93	10MR	30S	83
22	GLENLEA	CANADA	4181	82	97	0	20MS	102
9	TITMOUSE "S"	MEXICO	4174	79	91	0	10R	73
49	HP 1209	INDIA	4111	81	87	10MS	0	83
8	ZARAGURO "S"	ECUADOR	4111	79	95	0	0	80
24	KLEIN CHAMACO	ARGENTINA	4104	77	92	5R	10MS	90
40	ABU GHRAIB # 3	IRAQ	4098	82	88	0	30S	75
44	HAZERA 806/1976	ISRAEL	4021	81	90	70MS	20MS	76
19	SUN 11 B - 15	AUSTRALIA	4014	81	90	80S	0	87
37	SIETE CERROS	MEXICO	4007	80	91	30MS	40MS	82
11	PAVON "S"	MEXICO	3986	81	93	0	0	78
21	S 331 - NOR 67	LEBANON	3979	79	98	20MR	10MR	90
27	CHUKAR "S"	MEXICO	3973	81	92	60MS	0	80
38	MAPACHE (TCL.)	MEXICO	3966	78	88	5MS	20MS	100
30	LAP 286	ARGENTINA	3931	81	93	0	5MR	93
33	HD 2172	INDIA	3910	80	90	40MS	0	77
32	BITTERN "S"(DURUM)	MEXICO	3903	81	90	10MR	0	70
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3868	81	91	0	20MS	78
36	ANTIZANA	ECUADOR	3854	81	85	0	0	80
43	Q. T. 4081	AUSTRALIA	3806	81	93	0	40S	73
14	INIA/SON64-P4160EXSON64	PAKISTAN ***	3723	81	90	70MS	0	88
20	K 6106.3	KENYA	3688	77	95	40MS	0	83
16	ALONDRA "S"	MEX/BRAZ	3625	78	93	60MS	0	93
42	BUCK BUCK "S"	MEXICO	3577	82	93	0	10MR	78
10	PAVON 76	MEXICO	3556	81	93	0	5MR	83
28	ANZA	U.S.A.	3542	81	93	30S	80S	77
5	SONALIKA	INDIA	3493	80	84	0	80S	87
41	MARCOS JUAREZ INTA	ARGENTINA	3431	79	89	40S	30S	80
39	BOBWHITE "S"	MEXICO	3424	81	93	0	0	77
13	ESTANZUELA DAKARU	URUGUAY	3153	79	92	5MR	0	97
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	3104	81	91	0	0	70
35	MN 7086	U.S.A.	3070	79	101	50MS	0	82
		GRAND MEAN	4082.3	80.4	92.4	15.5	11.9	82.9
		STANDARD ERROR OF GRAND MEAN	65.9	0.2				0.5
		COEFFICIENT OF VARIATION AS PC	19.8	3.3				6.8
		LSD VARIETY MEANS 5 PC	1308.8	4.3				9.1

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	STRP RT. L	LEAF RUST	PLNT HT
	0.18				
	0.20	-0.14			
	-0.23	-0.03	-0.04		
	-0.09	0.06	-0.24	-0.07	
	0.01	-0.33	0.17	0.08	-0.17

LA PLATINA

CEREAL STAFF

LATITUDE 033 27'S

DATE PLANTED 8/ 9/80

NITROGEN --

LONGITUDE 070 38'W

DATE HARVESTED 1/11/81

PHOSPHORUS --

ELEVATION 0629 M.ABOVE S.L.

AMOUNT OF MOISTURE 86 MM

POTASSIUM --

SOWING DATE, SOIL MOISTURE CONDITION AND GERMINATION % NOT REPORTED.

INSECT AND WEED PROBLEMS NOT REPORTED.

INSECT, WEED AND BIRD PROBLEMS NOT REPORTED.

LOCAL CHECK: CC-INIA/TOB*S*8156

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	STRP RT.L	LEAF RUST	STEM RUST	PLNT HT	BYDV
18	BUCK BUCK "S"	MEXICO	8299	82	89	0	10S	60S	95	27
29	IMURIS T79	MEXICO	8091	81	90	0	0	50S	85	47
39	BOBWITE "S"	MEXICO	7994	83	89	0	TR	30S	100	30
12	ROMI	SPAIN	7883	84	85	0	40S	50S	105	17
38	MAPACHE (TCL.)	MEXICO	7549	68	83	0	10S	0	105	30
33	HD 2172	INDIA	7535	82	84	0	0	10R	95	23
50	LOCAL CHECK		7535	85	84	0	30S	10S	85	27
17	FLICKER "S"	MEXICO	7528	81	90	0	70S	15S	105	28
6	VEERY "S"	MEXICO	7487	83	88	0	0	10S	95	23
16	ALONDRA "S"	MEX/BRAZ	7473	79	90	0	20MS	50S	105	27
37	SIETE CERROS	MEXICO	7376	82	89	0	70S	TR	100	15
32	BITTERN "S" (DURUM)	MEXICO	7362	82	85	0	30S	40S	80	30
14	INIA/SOM64-P4160EXSON64	PAKISTAN	7362	82	85	70S	0	TS	110	37
42	BUCK BUCK "S"	MEXICO	7327	81	90	0	0	70MS	85	37
7	PK 3563 - CH 70	PAKISTAN	7306	83	91	0	5S	40S	95	43
9	TITMOUSE "S"	MEXICO	7292	81	84	0	0	60S	90	60
31	NAC0ZARI 76	MEXICO	7258	82	85	0	30S	50MS	90	43
47	MAHISSA 18	SPAIN	7251	80	87	0	30S	5MS	100	30
8	ZARAGURO "S"	ECUADOR	7188	79	89	0	0	30S	100	73
36	ANTIZANA	ECUADOR	7139	83	83	0	20S	15S	90	33
28	ANZA	U.S.A.	7077	83	87	0	0	80MS	85	57
34	JUNCO "S"	MEXICO ***	7021	81	83	0	0	60MS	100	50
25	CHAT "S"	MEXICO	7014	81	91	0	5S	40S	95	43
24	KLEIN CHAMACO	ARGENTINA	6973	84	83	0	0	10S	110	43
35	MN 7086	U.S.A.	6882	81	99	0	0	60S	105	37
15	MAYA 74"S"-MONCHO "S"	MEXICO	6882	81	86	0	10MS	50MS	95	33
30	LAP 286	ARGENTINA	6848	83	88	0	0	30S	100	37
10	PAVON 76	MEXICO	6834	83	86	0	10S	50S	90	23
2	PIMA 77	MEXICO	6827	79	83	0	0	80S	80	67
11	PAVON "S"	MEXICO	6792	83	86	0	5S	40S	100	20
41	MARCOS JUAREZ INTA	ARGENTINA	6737	82	84	0	10S	40S	95	23
40	ABU GHRAIB # 3	IRAQ	6716	82	83	0	10S	40MS	90	43
44	HAZERA 806/1976	ISRAEL	6709	82	87	0	10S	5S	80	47
43	Q. T. 4081	AUSTRALIA	6646	81	89	0	0	10MS	85	73
1	Q. T. 4083	AUSTRALIA	6646	78	94	0	0	5S	110	63
22	GLENLEA	CANADA	6584	81	89	0	40S	60S	135	53
5	SONALIKA	INDIA	6570	79	83	0	70S	50S	90	30
26	UP 262	INDIA	6382	82	83	0	20S	40S	105	40
27	CHUKAR "S"	MEXICO	6174	83	87	0	0	TR	95	53
3	CHIVITO	GUATEMALA	6167	76	90	0	0	30S	100	73
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	6105	87	85	0	0	20S	85	47
46	MALABADI	TURKEY	6028	80	85	0	0	15S	95	70
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	5959	81	89	0	0	TS	90	70
23	DOUGGA	TUNISIA	5938	82	89	0	0	20S	100	40
49	HP 1209	INDIA	5924	81	83	0	TS	80S	90	63
19	SUN 11 B - 15	AUSTRALIA	5875	80	85	70S	0	5S	115	32
4	KAVKO "S"	KENYA	5848	81	86	0	0	TS	125	30
13	ESTANZUELA DAKARU	URUGUAY	5757	80	85	5R	40S	50S	125	40
21	S 331 - NOR 67	LEBANON	5209	74	91	0	0	15MS	110	77
20	K 6106.3	KENYA	4723	80	87	0	0	10MS	100	77
GRAND MEAN			6841.7	81.0	86.9	2.8	11.8	30.1	97.9	42.7
STANDARD ERROR OF GRAND MEAN			52.0							
COEFFICIENT OF VARIATION AS PC			9.3							
LSD VARIETY MEANS 5 PC			1031.0							

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	STRP RT.L	LEAF RUST	STEM RUST	PLNT HT	BYDV
	0.18						
	0.04	-0.12					
	-0.07	-0.00	-0.12				
	0.21	0.04	-0.12	-0.13			
	0.19	0.10	-0.00	-0.24	0.04		
	-0.26	-0.26	0.17	0.26	0.14	-0.17	
	-0.54	-0.31	0.15	-0.10	-0.44	0.03	-0.09

STA CATALINA
CEREAL STAFF

LATITUDE 000 22'S

LONGITUDE 078 33'W

ELEVATION 3058 M.ABOVE S.L.

DATE PLANTED 1/ 7/80

DATE HARVESTED --/--/--

AMOUNT OF MOISTURE 598 MM

NITROGEN APPLIED

PHOSPHORUS APPLIED

POTASSIUM APPLIED

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	STRP RT.L	STRP RT.H	PLNT HT
8	ZARAGURO "S"	ECUADOR	6945	70	88	TR	0	110
11	PAVON "S"	MEXICO	6871	76	83	10MS	15	95
6	VEERY "S"	MEXICO	6680	76	83	5MS	0	95
38	MAPACHE (TCL.)	MEXICO	6328	59	75	TR	0	100
39	BOBWHITE "S"	MEXICO	6235	78	83	TR	0	95
10	PAVON 76	MEXICO	5828	76	82	20MS	15	100
27	CHUKAR "S"	MEXICO	5772	78	83	10M	20	100
4	KAVKO "S"	KENYA	5698	76	81	TR	0	120
22	GLENLEA	CANADA	5636	76	84	20MR	0	115
16	ALONDRA "S"	MEX/BRAZ	5395	74	82	5MR	5	100
50	LOCAL CHECK		5377	69	77	5MR	1	95
34	JUNCO "S"	MEXICO	5186	76	77	20MS	1	90
43	Q. T. 4081	AUSTRALIA ***	4821	78	82	10MR	5	100
15	MAYA 74"S"-MONCHO "S"	MEXICO	4815	73	77	10MS	20	90
29	IMURIS T79	MEXICO	4395	73	81	20MR	10	95
36	ANTIZANA	ECUADOR	4247	74	72	40MS	15	90
25	CHAT "S"	MEXICO	4155	75	77	10MR	0	90
46	MALABADI	TURKEY	4148	74	75	40MS	1	90
20	K 6106.3	KENYA	4111	73	76	20MR	1	100
24	KLEIN CHAMACO	ARGENTINA	3963	75	77	10MS	20	100
2	PIMA 77	MEXICO	3846	72	76	60MS	1	80
1	Q. T. 4083	AUSTRALIA	3809	74	84	30MS	30	100
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	3630	74	77	20MS	10	100
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3494	76	77	20MS	10	95
3	CHIVITO	GUATEMALA	3290	67	85	30MS	70	110
42	BUCK BUCK "S"	MEXICO	3210	65	76	100S	90	95
30	LAP 286	ARGENTINA	3167	71	85	40MS	10	90
13	ESTANZUELA DAKARU	URUGUAY	2883	69	77	50S	40	105
28	ANZA	U.S.A.	2667	69	78	50S	10	90
18	BUCK BUCK "S"	MEXICO	2642	66	77	60MS	70	90
32	BITTERN "S" (DURUM)	MEXICO	2593	74	76	TR	0	105
40	ABU GHRAIB # 3	IRAQ	2500	68	82	30MS	60	95
17	FLICKER "S"	MEXICO	2321	61	83	50MS	60	90
33	HD 2172	INDIA	2148	68	81	60S	70	90
5	SONALIKA	INDIA	2099	66	72	80S	60	100
7	PK 3563 - CH 70	PAKISTAN	2087	70	88	60MS	50	105
23	DOUGGA	TUNISIA	1957	68	80	30S	50	85
12	ROMI	SPAIN	1852	-	77	60MS	100	90
9	TITMOUSE "S"	MEXICO	1852	-	75	70S	100	85
41	MARCOS JUAREZ INTA	ARGENTINA	1852	-	80	60S	60	100
19	SUN 11 B - 15	AUSTRALIA	1506	67	76	70S	60	95
44	HAZERA 806/1976	ISRAEL	1216	-	77	100S	80	100
31	NAC0ZARI 76	MEXICO	1173	48	76	80S	100	100
26	UP 262	INDIA	1154	58	75	60S	90	100
49	HP 1209	INDIA	1124	69	73	30MS	60	95
21	S 331 - NOR 67	LEBANON	1074	70	84	20MS	60	100
47	MAHISSA 18	SPAIN	1019	-	75	100S	90	95
14	INIA/SON64-P4160EXSON64	PAKISTAN	963	-	75	80S	100	90
35	MN 7086	U.S.A.	778	-	-	60S	80	100
37	SIETE CERROS	MEXICO	420	-	82	90S	100	100

GRAND MEAN 3418.7 70.6 79.1 34.3 38.0 96.9
 STANDARD ERROR OF GRAND MEAN 80.6
 COEFFICIENT OF VARIATION AS PC 28.9
 LSD VARIETY MEANS 5 PC 1599.1

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	STRP RT.L	STRP RT.H	PLNT HT
	0.53				
	0.32	0.26			
	-0.76	-0.53	-0.36		
	-0.82	-0.62	-0.20	0.82	
	0.21	0.06	0.38	-0.23	-0.13

INST AGR NACIONAL

CEREAL STAFF

LATITUDE	25 24'S	DATE PLANTED	5/12/80	NITROGEN	APPLIED
LONGITUDE	57 06'W	DATE HARVESTED	--/--/--	PHOSPHORUS	APPLIED
ELEVATION	228 M.ABOVE S.L.	AMOUNT OF MOISTURE	619 MM	POTASSIUM	APPLIED

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.
 MODERATE DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. NO WEED PROBLEM.
 NEGLIGIBLE BIRD DAMAGE. HAND WEEDING. MECHANICAL CONTROL OF WEEDS.
 CHEMICAL CONTROL OF INSECTS. EARLY SOWING DATE. /60

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	LEAF RUST	STEM RUST	PLNT HT	1000 G.W.	POWD %
38	MAPACHE (TCL.)	MEXICO	3859	65	66	10MS-MR	0	85	42	3
6	VEERY "S"	MEXICO	3609	78	77	TRMS	0	73	35	0
40	ABU GHRAIB # 3	IRAQ	3506	79	67	40MS	20S	83	31	30
33	HD 2172	INDIA	3404	73	75	10MS	0	74	36	13
25	CHAT "S"	MEXICO	3317	78	71	0	0	78	43	10
29	IMURIS T79	MEXICO	3304	74	70	30MS	0	72	32	33
26	UP 262	INDIA	3284	78	71	70S	0	81	44	23
39	BOBWHITE "S"	MEXICO	3249	78	72	TRMS	0	77	35	0
10	PAVON 76	MEXICO	3224	78	73	50S	0	73	36	20
18	BUCK BUCK "S"	MEXICO ***	3125	76	67	30MS	0	73	33	20
27	CHUKAR "S"	MEXICO	3047	79	74	30MS	0	73	41	13
11	PAVON "S"	MEXICO	3000	78	73	50S	0	76	37	27
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	2961	83	67	10MS	0	72	34	17
13	ESTANZUELA DAKARU	URUGUAY	2924	82	76	60S	0	86	32	17
24	KLEIN CHAMACO	ARGENTINA	2923	83	70	20MS	0	83	33	10
8	ZARAGURO "S"	ECUADOR	2919	76	75	0	0	84	31	3
42	BUCK BUCK "S"	MEXICO	2904	75	67	40MS	TRMS	71	34	27
4	KAVKO "S"	KENYA	2890	79	71	TRMS	0	85	39	0
19	SUN 11 B - 15	AUSTRALIA	2889	72	74	TRMS	0	72	41	0
16	ALONDRA "S"	MEX/BRAZ	2884	75	73	10MS	0	76	44	0
31	NACCOZARI 76	MEXICO	2860	76	63	50S	0	77	35	30
17	FLICKER "S"	MEXICO	2829	78	76	40MS	0	77	35	13
9	TITMOUSE "S"	MEXICO	2807	77	67	0	0	72	33	7
34	JUNCO "S"	MEXICO	2800	77	65	10MS	0	80	37	7
12	ROMI	SPAIN	2782	80	66	30MS	0	76	35	13
36	ANTIZANA	ECUADOR	2765	77	65	TRMS	0	78	39	10
1	Q. T. 4083	AUSTRALIA	2730	79	76	TRMS	0	85	41	0
41	MARCOS JUAREZ INTA	ARGENTINA	2694	79	74	60MS	0	82	36	23
14	INIA/SON64-P4160EXSON64	PAKISTAN	2690	78	65	80S	0	78	33	0
23	DOUGGA	TUNISIA	2610	83	70	10-20MS	0	68	34	17
37	SIETE CERROS	MEXICO	2605	74	66	80S	20MS	80	33	45
15	MAYA 74"S"-MONCHO "S"	MEXICO	2580	78	66	TRMS	0	75	33	10
47	MAHISSA 18	SPAIN	2528	79	65	50S	10MR	75	32	20
44	HAZERA 806/1976	ISRAEL	2511	83	64	80S	20MR	73	34	-
50	LOCAL CHECK		2462	76	77	60MS	0	85	37	37
3	CHIVITO	GUATEMALA	2454	75	73	0	0	75	38	0
30	LAP 286	ARGENTINA	2428	67	104	TRMS	0	84	24	0
28	ANZA	U.S.A.	2425	83	72	80S	0	68	26	-
49	HP 1209	INDIA	2412	82	62	TRMS	40S	75	39	20
35	MN 7086	U.S.A.	2411	62	-	----	----	83	22	-
32	BITTERN "S" (DURUM)	MEXICO	2394	80	77	TRMS	0	71	41	0
43	Q. T. 4081	AUSTRALIA	2384	80	73	70S	0	69	27	23
21	S 331 - NOR 67	LEBANON	2379	72	74	40MS	0	79	34	23
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	2376	81	68	40MS	TRR	71	37	17
22	GLENLEA	CANADA	2363	81	73	70S	0	86	38	23
2	PIMA 77	MEXICO	2300	76	64	30MS	0	74	29	20
5	SONALIKA	INDIA	2258	80	62	70MS	TRR	85	37	0
46	MALABADI	TURKEY	2206	79	65	50MS	0	76	29	13
20	K 6106.3	KENYA	2189	78	72	30MS	0	72	32	7
7	PK 3563 - CH 70	PAKISTAN	2039	86	77	70S	0	79	26	23
GRAND MEAN			2769.8	77.5	70.4	33.5	1.9	77.1	34.7	14.3
STANDARD ERROR OF GRAND MEAN			30.8	0.3				0.3	0.2	
COEFFICIENT OF VARIATION AS PC			13.6	4.2				5.2	6.2	
LSD VARIETY MEANS 5 PC			611.8	5.3				6.5	3.5	

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	LEAF RUST	STEM RUST	PLNT HT	1000 G.W.	POWD %
	-0.24						
	-0.03	-0.24					
	-0.34	0.31	-0.21				
	-0.08	0.14	-0.29	-0.08			
	0.07	-0.24	0.20	0.05	-0.06		
	0.39	0.08	-0.17	-0.31	0.05	0.08	
	-0.06	0.10	-0.21	0.58	0.19	-0.05	-0.23

LA MOLINA

CEREAL STAFF

LATITUDE 012 05'S

DATE PLANTED ---/---/---

NITROGEN APPLIED

LONGITUDE 076 57'W

DATE HARVESTED ---/---/---

PHOSPHORUS APPLIED

ELEVATION 0251 M.ABOVE S.L.

AMOUNT OF MOISTURE -- MM

POTASSIUM --

SOIL DRY AT SOWING. GERMINATION GOOD.

SLIGHT DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE.

SERIOUS WEED PROBLEM. MODERATE BIRD DAMAGE.

LOCAL CHECK: LOSTA 78

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	LEAF RUST	PLNT HT	LODG %
39	BOBWHITE "S"	MEXICO	7056	81	83	150	0	90	15
18	BUCK BUCK "S"	MEXICO	6954	78	72	146	0	90	35
47	MAHISSA 18	SPAIN	6593	79	66	140	0	90	-
16	ALONDRA "S"	MEX/BRAZ	6510	79	84	146	10S	105	5
33	HD 2172	INDIA	6417	77	79	150	0	90	-
6	VEERY "S"	MEXICO	6399	79	87	146	0	95	5
17	FLICKER "S"	MEXICO	6260	79	84	150	0	95	-
42	BUCK BUCK "S"	MEXICO	6093	78	70	140	0	95	35
37	SIETE CERROS	MEXICO	5982	79	72	140	5S	100	15
25	CHAT "S"	MEXICO	5982	79	78	150	0	90	-
32	BITTERN "S" (DURUM)	MEXICO	5954	80	84	152	0	85	-
40	ABU GHRAIB # 3	IRAQ	5908	79	70	140	5S	100	35
38	MAPACHE (TCL.)	MEXICO ***	5704	68	66	140	0	105	20
9	TITHOUSE "S"	MEXICO	5695	79	68	140	0	80	65
14	INIA/SON64-P4160EXSON64	PAKISTAN	5667	80	70	152	0	95	20
36	ANTIZANA	ECUADOR	5575	78	67	140	0	95	25
10	PAVON 76	MEXICO	5547	80	78	146	0	95	45
15	MAYA 74"S"-MONCHO "S"	MEXICO	5510	79	68	144	0	95	-
50	LOCAL CHECK		5454	80	88	156	20S	110	25
31	NACCOZARI 76	MEXICO	5297	78	70	146	0	85	-
3	CHIVITO	GUATEMALA	5287	73	82	140	0	100	70
43	Q. T. 4081	AUSTRALIA	5269	79	79	146	0	80	15
11	PAVON "S"	MEXICO	5204	79	76	152	0	105	20
23	DOUGGA	TUNISIA	5139	79	77	152	0	90	5
34	JUNCO "S"	MEXICO	5112	79	68	146	0	95	-
1	Q. T. 4083	AUSTRALIA	5037	77	84	146	0	105	15
44	HAZERA 806/1976	ISRAEL	4917	80	68	140	0	85	-
12	ROMI	SPAIN	4908	80	68	146	0	105	5
24	KLEIN CHAMACO	ARGENTINA	4862	80	76	146	0	100	45
26	UP 262	INDIA	4769	79	73	146	10S	90	35
29	IMURIS T79	MEXICO	4750	76	72	152	0	90	15
41	MARCOS JUAREZ INTA	ARGENTINA	4741	79	83	150	5S	105	10
27	CHUKAR "S"	MEXICO	4713	81	81	152	0	90	-
20	K 6106.3	KENYA	4565	75	75	146	0	90	20
28	ANZA	U.S.A.	4556	79	79	152	0	85	-
4	KAVKO "S"	KENYA	4519	78	70	138	0	105	10
46	MALABADI	TURKEY	4473	78	64	136	10S	85	15
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	4399	79	78	146	0	90	25
22	GLENLEA	CANADA	4399	78	83	152	0	115	35
7	PK 3563 - CH 70	PAKISTAN	4300	80	87	152	0	95	-
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	4361	78	73	146	0	85	15
19	SUN 11 B - 15	AUSTRALIA	4250	80	83	152	0	105	50
2	PIMA 77	MEXICO	4223	79	67	138	0	90	20
21	S 331 - NOR 67	LEBANON	3917	74	83	155	0	100	35
13	ESTANZUELA DAKARU	URUGUAY	3861	78	73	138	0	100	40
49	HP 1209	INDIA	3769	77	62	140	0	85	15
5	SONALIKA	INDIA	3760	78	63	140	0	95	-
8	ZARAGURO "S"	ECUADOR	3732	74	84	152	0	100	65
35	MN 7086	U.S.A.	1787	-	112	172	0	110	-
30	LAP 286	ARGENTINA	1232	-	113	172	0	100	5

GRAND MEAN 5028.9 78.1 76.8 147.1 1.3 95.2 25.8
 STANDARD ERROR OF GRAND MEAN 54.0
 COEFFICIENT OF VARIATION AS PC 13.2
 LSD VARIETY MEANS 5 PC 1072.0

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	LEAF RUST	PLNT HT	LODG %
	0.14					
	-0.41	0.08				
	-0.45	0.12	0.86			
	0.11	0.15	0.05	-0.00		
	-0.21	-0.18	0.39	0.29	0.22	
	0.00	-0.23	-0.05	-0.15	-0.14	0.01

REGION I. Summary for yield, agronomic and disease data for the 16th. International Spring Wheat Yield Nursery (ISWYN)
 (Locations: Constantine, ALGERIA; Side-Bel-Abbes, ALGERIA; Alentejo, PORTUGAL; Cordova and Madrid, SPAIN.)

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT.L	LEAF RUST	STEM RUST	PLNT HT	1000 G.W.	POWD %	SEPT TRIT
31	NACUZARI 76	MEXICO	4681	80	128	161	31	0	0	93	36	34	56
40	ABU GHRAIB # 3	IRAQ	4670	79	126	162	29	20	30	94	29	41	22
11	PAVON "S"	MEXICO	4663	81	130	164	19	0	0	98	34	40	22
28	ANZA	U.S.A.	4509	79	130	166	2	0	10	87	34	40	22
6	VEERY "S"	MEXICO	4501	81	129	160	0	0	0	86	36	15	33
38	MAPACHE (TCL.)	MEXICO	4487	71	124	164	0	0	0	110	38	4	0
32	BITTERN "S" (DURUM)	MEXICO	4428	81	129	162	1	4	0	90	49	13	22
2	PIMA 77	MEXICO	4350	78	128	163	0	1	0	95	33	34	33
23	DOUGGA	TUNISIA	4347	80	132	166	5	0	0	91	33	24	33
8	ZARAGURO "S"	ECUADOR	4345	78	128	165	0	0	0	103	32	24	22
16	ALONDRA "S"	MEX/BRAZ	4285	78	128	161	4	1	0	98	39	19	11
34	JUNCO "S"	MEXICO	4282	80	128	163	46	0	0	104	35	41	56
9	TITMOUSE "S"	MEXICO	4277	79	127	160	0	0	0	88	32	41	33
42	BUCK BUCK "S"	MEXICO	4262	77	130	167	0	0	0	85	33	26	22
18	BUCK BUCK "S"	MEXICO	4201	79	131	165	0	0	0	85	32	34	22
39	BOBWHITE "S"	MEXICO	4201	82	131	164	0	0	0	97	32	24	11
36	ANTIZANA	ECUADOR	4195	80	125	162	0	1	1	91	39	55	56
45	MAIPO "S"-PJ62XEMU "S"	MEXICO	4193	81	128	161	1	0	0	93	40	28	22
15	MAYA 74 "S"-MONCHO "S"	MEXICO	4192	79	127	164	11	0	0	92	39	29	44
41	MARCOS JUAREZ INTA	ARGENTINA	4176	80	126	161	49	0	0	97	40	42	33
33	HD 2172	INDIA	4167	80	131	165	2	0	0	94	35	21	33
43	Q. T. 4081	AUSTRALIA	4156	80	129	164	1	0	0	89	30	12	33
47	MAHISSA 18	SPAIN	4150	77	129	165	56	0	0	100	31	33	22
37	SIETE CERROS	MEXICO	4145	79	132	166	60	30	10	96	33	34	33
46	MALABADI	TURKEY	4121	77	128	164	1	1	0	92	32	48	22
14	INIA/SON64-P4160EXSON64	PAKISTAN	4087	80	128	163	22	0	0	101	40	34	33
5	SONALIKA	INDIA	4076	79	121	161	2	0	0	101	43	32	44
48	HEIMA-COC75 X BLUEJAY "S"	MEXICO	4061	80	126	163	0	0	0	88	39	43	22
17	FLICKER "S"	MEXICO	4059	78	129	162	40	0	0	88	34	49	22
7	PK 3563 - CH 70	PAKISTAN	4045	81	132	165	7	0	0	93	35	40	44
27	CHUKAR "S"	MEXICO	4025	81	128	161	15	0	0	90	37	46	56
10	PAVON 76	MEXICO	4009	80	128	162	19	0	0	94	34	43	33
12	ROMI	SPAIN	3996	80	129	166	2	2	5	98	34	43	22
29	IMURIS T79	MEXICO	3985	79	130	165	0	0	0	85	33	38	33
3	CHIVITO	GUATEMALA	3954	76	129	168	1	0	0	103	39	23	22
24	KLEIN CHAMACO	ARGENTINA	3913	81	127	163	4	0	0	104	29	38	33
44	HAZERA 806/1976	ISRAEL	3827	80	128	161	56	20	0	88	32	56	33
21	S 331 - NOR 67	LEBANON	3713	76	133	165	24	0	0	104	34	41	33
25	CHAT "S"	MEXICO	3712	79	133	164	4	0	0	99	39	26	22
35	MN 7086	U.S.A.	3681	80	137	167	21	4	0	102	31	29	44
30	LAP 286	ARGENTINA	3650	78	134	165	18	0	0	101	29	40	56
26	UP 262	INDIA	3601	81	125	158	55	0	0	96	41	40	56
50	LOCAL CHECK		3558	78	132	165	9	0	0	105	35	51	22
22	GLENLEA	CANADA	3542	80	130	166	0	0	0	114	42	22	22
1	Q. T. 4083	AUSTRALIA	3504	77	131	166	1	0	0	108	36	25	22
13	ESTANZUELA DAKARU	URUGUAY	3380	78	129	167	33	0	0	115	31	38	22
20	K 6106.3	KENYA	3307	78	129	165	0	0	0	93	32	26	22
4	KAVKO "S"	KENYA	3298	81	130	165	0	0	0	120	34	17	11
19	SUN 11 B - 15	AUSTRALIA	3181	78	129	160	65	0	0	89	39	14	67
49	HP 1209	INDIA	3018	79	125	161	15	0	0	93	41	58	22
SUMMARY MEANS OVER VARIETIES			4023.3	79.1	128.8	163.3	14.5	1.7	1.1	96.4	35.4	33.2	30.7
NUMBER OF LOCATIONS FOR EACH VARIABLE			5	3	4	2	3	2	1	5	3	4	1
NUMBER OF OBSERVATIONS FOR EACH VARIABLE			15	9	11	6	6	3	1	12	7	9	1

REGION II. Summary for yield, agronomic and disease data for the 16th. International Spring Wheat Yield Nursery (ISWYN)
 (Locations: Beni-suef, Cairo, EGYPT; Tripoli, LIBYA; Gezira, SUDAN.)

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	LEAF RUST	STEM RUST	PLNT HT	LODG %	SHTR %	1000 G.W.
38	MAPACHE (TCL.)	MEXICO	4851	68	88	133	0	1	105	0	5	41
50	LOCAL CHECK		4788	78	93	134	18	10	95	0	8	41
10	PAVON 76	MEXICO	4777	80	94	135	0	10	94	30	15	39
32	BITTERN "S" (DURUM)	MEXICO	4722	80	93	136	1	5	87	10	0	51
6	VEERY "S"	MEXICO	4690	80	97	134	0	0	91	5	5	44
31	NACOZARI 76	MEXICO	4612	78	91	132	18	5	91	15	10	41
40	ABU GHRAIB # 3	IRAQ	4550	80	88	132	20	20	92	20	3	39
7	PK 3563 - CH 70	PAKISTAN	4508	83	98	135	2	20	101	13	8	45
11	PAVON "S"	MEXICO	4484	80	94	135	0	5	96	10	8	43
18	BUCK BUCK "S"	MEXICO	4437	83	92	135	2	5	85	28	23	38
28	ANZA	U.S.A.	4401	83	95	135	0	1	86	0	10	40
39	BOBWHITE "S"	MEXICO	4392	77	95	135	0	0	97	30	18	35
29	INURIS T79	MEXICO	4304	80	93	136	0	5	86	0	10	45
33	HD 2172	INDIA	4291	80	93	136	0	10	95	45	3	42
27	CHUKAR "S"	MEXICO	4231	83	90	121	1	0	91	0	10	43
46	MALABADI	TURKEY	4224	80	93	134	5	5	88	10	5	40
42	BUCK BUCK "S"	MEXICO	4224	80	94	135	0	60	83	42	8	42
9	TITMOUSE "S"	MEXICO	4214	78	91	132	2	10	88	10	18	38
37	SIETE CERROS	MEXICO	4174	80	93	134	31	10	94	34	8	40
19	SUN 11 B - 15	AUSTRALIA	4166	70	89	132	0	20	94	49	15	44
23	DOUGGA	TUNISIA	4154	83	96	136	0	1	94	14	10	36
2	PIMA 77	MEXICO	4132	75	93	134	2	0	93	45	3	38
15	MAYA 74 "S"-MONCHO "S"	MEXICO	4115	80	90	133	0	10	94	18	8	45
21	S 331 - NOR 67	LEBANON	4111	78	97	136	0	0	105	23	13	39
47	MAHISSA 18	SPAIN	4107	75	91	134	7	20	93	0	8	40
14	INIA/SON64-P4160EXSON64	PAKISTAN	4102	80	87	131	0	30	97	10	23	47
24	KLEIN CHAMACO	ARGENTINA	4053	80	89	132	4	20	96	49	35	39
43	Q. T. 4081	AUSTRALIA	4033	80	95	134	0	40	88	63	23	37
17	FLICKER "S"	MEXICO	4005	78	95	134	2	0	95	19	8	41
8	ZARAGURO "S"	ECUADOR	4003	72	97	134	0	0	102	50	35	34
35	MN 7086	U.S.A.	3991	75	101	137	0	5	103	14	3	34
41	MARCOS JUAREZ INTA	ARGENTINA	3953	80	93	132	0	10	99	35	20	45
16	ALONDRA "S"	MEX/BRAZ	3940	80	96	136	1	9	97	32	15	46
13	ESTANZUELA DAKARU	URUGUAY	3880	75	97	137	5	30	110	30	3	37
5	SONALIKA	INDIA	3842	78	78	130	0	0	91	48	5	48
3	CHIVITO	GUATEMALA	3821	78	96	136	6	1	106	30	8	43
26	UP 262	INDIA	3789	83	84	119	16	10	95	48	5	52
34	JUNCO "S"	MEXICO	3778	85	90	134	0	3	102	50	13	45
25	CHAT "S"	MEXICO	3774	83	96	134	0	18	96	0	5	41
48	HEIMA-COC75 X BLUEJAY "S"	MEXICO	3724	78	88	132	0	20	84	0	8	46
45	MAIPO "S"-PJ62XEMU "S"	MEXICO	3685	80	93	132	2	1	90	35	45	47
1	Q. T. 4083	AUSTRALIA	3644	80	98	136	0	0	108	40	0	46
44	HAZERA 806/1976	ISRAEL	3604	78	90	130	4	10	84	10	15	39
49	HP 1209	INDIA	3508	78	84	129	0	30	86	33	5	50
12	ROMI	SPAIN	3483	80	85	132	6	5	99	45	35	38
30	LAP 286	ARGENTINA	3418	78	100	147	1	30	99	25	0	29
20	K 6106.3	KENYA	3418	75	94	138	0	1	97	39	3	39
36	ANTIZANA	ECUADOR	3406	80	83	130	17	0	94	33	8	48
4	KAVKO "S"	KENYA	3388	80	95	133	0	4	116	20	13	37
22	GLENLEA	CANADA	2852	75	95	135	0	20	116	45	25	47
SUMMARY MEANS OVER VARIETIES			4054.9	78.8	92.3	133.5	3.4	10.6	95.2	24.9	11.8	41.6
NUMBER OF LOCATIONS FOR EACH VARIABLE			4	1	4	3	2	1	4	2	1	3
NUMBER OF OBSERVATIONS FOR EACH VARIABLE			10	1	8	7	2	1	8	4	2	5

REGION III. Summary for yield, agronomic and disease data for the 16th. International Spring Wheat Yield Nursery (ISWYN)
(Locations: Rift Valley, KENYA; TANZANIA; Iringa, TANZANIA.)

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT.L	PLNT HT	LODG %	SEPT SPP.	HELM	FUS GRAM
6	VEERY "S"	MEXICO	3707	79	78	123	1	79	0	96	33	11
11	PAVON "S"	MEXICO	3465	80	69	116	7	89	0	100	74	15
29	IMURIS T79	MEXICO	3313	78	63	112	5	79	0	100	74	0
7	PK 3563 - CH 70	PAKISTAN	3282	81	78	123	41	82	0	100	74	0
33	HD 2172	INDIA	3258	78	71	116	0	77	0	100	78	15
18	BUCK BUCK "S"	MEXICO	3211	79	63	111	1	74	0	100	67	4
3	CHIVITO	GUATEMALA	3174	77	72	120	0	94	0	100	74	7
9	TITMOUSE "S"	MEXICO	3159	79	61	108	2	74	0	100	71	15
34	JUNCO "S"	MEXICO	3127	78	62	111	25	80	0	100	74	33
8	ZARAGURO "S"	ECUADOR	3116	78	76	119	1	98	4	100	71	26
10	PAVON 76	MEXICO	3116	81	69	116	8	84	0	100	78	11
2	PIMA 77	MEXICO	3045	77	61	111	0	76	7	100	74	7
38	MAPACHE (TCL.)	MEXICO	3038	69	62	110	0	100	0	100	41	11
36	ANTIZANA	ECUADOR	3035	79	61	111	0	82	0	100	70	18
39	BOBWWHITE "S"	MEXICO	2999	82	71	117	2	86	0	100	74	7
16	ALONDRA "S"	MEX/BRAZ	2987	78	79	120	1	89	0	89	63	11
25	CHAT "S"	MEXICO	2976	78	66	111	3	77	0	100	74	0
4	KAVKO "S"	KENYA	2959	80	64	110	0	104	0	100	33	11
24	KLEIN CHAMACO	ARGENTINA	2938	82	66	117	7	87	15	100	67	29
1	Q. T. 4083	AUSTRALIA	2918	79	77	120	2	98	0	93	82	7
40	ABU GHRAIB # 3	IRAQ	2915	77	61	112	30	81	0	100	78	18
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	2914	79	61	111	0	68	0	100	78	11
37	SIETE CERROS	MEXICO	2884	78	64	111	13	80	0	100	82	7
13	ESTANZUELA DAKARU	URUGUAY	2865	80	72	119	11	102	0	100	74	7
31	NACQZARI 76	MEXICO	2865	77	62	109	15	73	0	100	78	7
23	DOUGGA	TUNISIA	2833	79	66	115	11	75	0	100	78	11
28	ANZA	U.S.A.	2821	78	69	118	31	73	0	100	71	4
42	BUCK BUCK "S"	MEXICO	2817	79	63	114	1	77	0	100	78	0
46	MALABADI	TURKEY	2782	76	61	113	0	82	18	100	74	22
50	LOCAL CHECK		2747	79	68	114	6	93	0	100	74	0
22	GLENLEA	CANADA	2721	79	72	117	3	106	4	100	71	15
15	MAYA 74"S"-MONCHO "S"	MEXICO	2717	77	66	114	9	75	0	100	78	11
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	2715	79	66	111	0	73	7	100	82	37
14	INIA/SON64-P4160EXSON64	PAKISTAN	2710	78	62	112	44	80	0	100	74	11
26	UP 262	INDIA	2691	78	63	113	40	80	0	100	67	15
20	K 6106.3	KENYA	2689	76	66	117	3	89	0	100	82	0
17	FLICKER "S"	MEXICO	2671	78	75	119	19	81	0	89	55	4
43	Q. T. 4081	AUSTRALIA	2639	78	66	116	4	73	0	100	82	7
12	ROMI	SPAIN	2632	78	62	110	9	79	26	100	85	15
30	LAP 286	ARGENTINA	2629	77	83	-	7	81	0	89	63	0
19	SUN 11 B - 15	AUSTRALIA	2569	77	72	117	50	86	4	100	82	11
49	HP 1209	INDIA	2548	77	60	111	13	71	0	100	74	11
27	CHUKAR "S"	MEXICO	2519	82	72	117	32	80	0	96	74	0
35	MN 7086	U.S.A.	2450	77	89	-	47	92	0	89	74	0
41	MARCOS JUAREZ INTA	ARGENTINA	2404	78	78	122	37	91	0	89	78	11
21	S 331 - NOR 67	LEBANON	2361	75	70	117	16	83	0	100	82	7
32	BITTERN "S"(DURUM)	MEXICO	2240	79	71	119	3	70	7	100	37	56
5	SONALIKA	INDIA	2210	73	60	107	25	80	0	100	71	4
44	HAZERA 806/1976	ISRAEL	2109	78	61	109	69	68	0	100	74	4
47	MAHISSA 18	SPAIN	1916	66	61	113	23	73	37	100	85	59
SUMMARY MEANS OVER VARIETIES			2829.7	77.6	67.6	114.6	13.4	82.2	2.6	98.6	71.6	12.1
NUMBER OF LOCATIONS FOR EACH VARIABLE			3	2	2	1	2	2	1	1	1	1
NUMBER OF OBSERVATIONS FOR EACH VARIABLE			9	4	4	1	6	4	3	3	3	3

REGION IV. Summary for yield, agronomic and disease data for the 16th. International Spring Wheat Yield Nursery (ISWYN)
 (Locations: Huambo, ANGOLA; Thaba Tseka, LESOTPO; Maputo, MOZAMBIQUE; Salisbury, RHODESIA; Orange Free State,
 SOUTH AFRICA.)

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	LEAF RUST	STEM RUST	PLNT HT	LODG %	SHTR %	1000 G.W.
6	VEERY "S"	MEXICO	4613	80	77	122	1	2	86	23	20	37
10	PAVON 76	MEXICO	4499	82	72	120	20	6	90	34	40	32
11	PAVON "S"	MEXICO	4369	81	72	120	11	6	91	33	40	38
34	JUNCO "S"	MEXICO	4826	80	69	120	4	11	93	37	40	32
38	MAPACHE (TCL.)	MEXICO	4801	69	67	118	10	1	106	23	0	30
16	ALONDRA "S"	MEX/BRAZ	3996	77	77	123	45	9	93	22	40	40
31	NACOZARI 76	MEXICO	3970	78	70	119	61	27	84	28	20	38
25	CHAT "S"	MEXICO	3966	80	74	121	4	1	90	53	40	41
41	MARCOS JUAREZ INTA	ARGENTINA	3943	80	74	125	14	52	96	21	20	38
7	PK 3563 - CH 70	PAKISTAN	3935	81	75	123	17	32	90	28	20	37
5	SONALIKA	INDIA	3900	80	60	117	79	9	89	55	60	51
9	TITMOUSE "S"	MEXICO	3900	80	70	119	5	8	78	27	20	40
17	FLICKER "S"	MEXICO	3894	81	75	120	32	2	89	28	20	47
15	MAYA 74"S"-MONCHO "S"	MEXICO	3893	81	71	120	11	19	84	37	20	38
47	MAHISSA 18	SPAIN	3866	78	69	121	28	37	85	48	20	33
39	BOBWHITE "S"	MEXICO	3848	82	75	122	4	4	89	28	20	37
33	HD 2172	INDIA	3806	80	69	120	72	11	85	25	20	33
18	BUCK BUCK "S"	MEXICO	3799	79	70	122	25	29	83	52	40	34
24	KLEIN CHAMACO	ARGENTINA	3785	82	69	119	32	10	94	28	20	31
42	BUCK BUCK "S"	MEXICO	3782	80	72	125	4	19	76	32	20	39
29	IMURIS T79	MEXICO	3749	77	72	123	8	23	78	32	40	38
36	ANTIZANA	ECUADOR	3735	80	65	119	4	16	83	28	20	37
37	SIETE CERROS	MEXICO	3725	77	70	120	90	7	84	27	20	33
43	Q. T. 4081	AUSTRALIA	3680	81	74	121	17	22	79	27	20	32
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	3677	80	69	120	3	39	77	62	40	33
23	DOUGGA	TUNISIA	3672	81	75	125	7	5	87	47	40	38
26	UP 262	INDIA	3662	81	67	118	69	27	93	25	40	42
40	ABU GHRAIB # 3	IRAQ	3655	81	67	119	45	25	82	33	20	36
49	HP 1209	INDIA	3641	77	64	117	9	61	81	21	20	38
50	LOCAL CHECK		3630	81	69	121	64	15	83	27	40	40
44	HAZERA 806/1976	ISRAEL	3614	81	65	119	36	10	78	32	40	36
19	SUN 11 B - 15	AUSTRALIA	3609	77	71	120	5	1	88	27	20	43
28	ANZA	U.S.A.	3596	80	73	120	55	42	81	30	20	35
12	ROMI	SPAIN	3522	81	66	118	26	8	88	31	60	38
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3512	81	70	119	2	5	83	23	20	40
8	ZARAGURO "S"	ECUADOR	3482	77	78	125	2	15	95	33	20	32
46	MALABADI	TURKEY	3372	78	70	119	24	36	83	29	20	32
4	KAVKO "S"	KENYA	3294	79	74	121	15	0	112	33	40	35
1	Q. T. 4083	AUSTRALIA	3279	79	75	124	11	7	100	46	20	42
21	S 331 - NOR 67	LEBANON	3270	78	77	124	12	5	97	39	20	43
27	CHUKAR "S"	MEXICO	3264	82	74	124	9	6	87	23	20	38
3	CHIVITO	GUATEMALA	3240	77	76	127	2	8	94	32	20	40
32	BITTERN "S" (DURUM)	MEXICO	3229	82	68	119	8	0	78	32	20	33
14	INIA/SON64-P4160EXSON64	PAKISTAN	3204	78	67	118	84	23	88	30	60	40
13	ESTANZUELA DAKARU	URUGUAY	3190	80	73	122	35	24	107	19	40	32
22	GLENLEA	CANADA	3167	79	73	120	35	42	109	32	20	41
30	LAP 286	ARGENTINA	3144	78	74	124	27	9	92	32	40	31
20	K 6106.3	KENYA	3112	77	73	125	2	0	91	37	20	35
2	PIMA 77	MEXICO	2945	79	69	117	13	40	81	55	40	30
35	MN 7086	U.S.A.	2898	77	80	124	0	6	96	16	20	37

SUMMARY MEANS OVER VARIETIES	3651.2	79.1	71.3	120.9	23.7	16.4	88.3	32.4	28.4	36.9
NUMBER OF LOCATIONS FOR EACH VARIABLE	5	2	5	5	2	3	4	4	1	1
NUMBER OF OBSERVATIONS FOR EACH VARIABLE	15	6	13	13	6	7	10	10	1	3

REGION V. Summary for yield, agronomic and disease data for the 16th. International Spring Wheat Yield Nursery (ISWYN)
 (Locations: Jalalabad, Kabul, AFGHANISTAN; Ishurdi-Palua, BANGLADESH; Delhi, Madhya Pradesh and Punjab, INDIA;
 Rupandehi, NEPAL; N.W. Frontier Prov. and Punjab PAKISTAN.)

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	STRP RT.L	LEAF RUST	STEM RUST	PLNT HT	LODG %	1000 G.W.	SEPT NODO	HELM
14	INIA/SON64-P4160EXSON64	PAKISTAN	3940	84	122	7	7	17	99	10	41	15	22
31	NAC0ZARI 76	MEXICO	3882	87	123	36	18	7	90	13	35	59	22
26	UP 262	INDIA	3737	85	122	37	9	15	97	44	45	11	26
34	JUNCO "S"	MEXICO	3707	87	124	44	0	1	100	3	37	0	26
33	HD 2172	INDIA	3553	91	127	0	3	0	92	17	36	15	41
12	ROMI	SPAIN	3505	84	123	20	44	17	95	24	36	0	22
6	VEERY "S"	MEXICO	3495	94	127	1	1	3	90	5	33	82	29
5	SONALIKA	INDIA	3465	78	119	34	27	21	98	27	45	0	22
40	ABU GHRAIB # 3	IRAQ	3453	86	125	20	26	1	93	27	30	15	26
11	PAVON "S"	MEXICO	3408	91	126	19	3	1	95	8	34	33	29
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	3401	87	124	6	3	9	83	2	37	30	22
9	TITMOUSE "S"	MEXICO	3374	85	123	4	14	9	86	22	32	67	26
10	PAVON 76	MEXICO	3342	90	125	11	2	1	92	4	36	37	33
29	IMURIS T79	MEXICO	3313	91	128	53	8	3	87	17	34	48	26
49	HP 1209	INDIA	3310	80	123	42	5	14	92	38	42	22	22
42	BUCK BUCK "S"	MEXICO	3296	92	128	65	3	3	87	38	36	26	26
18	BUCK BUCK "S"	MEXICO	3246	87	128	100	11	1	88	12	32	26	26
16	ALONDRA "S"	MEX/BRAZ	3230	95	128	10	7	1	98	32	38	0	29
25	CHAT "S"	MEXICO	3205	90	123	11	2	2	96	5	40	0	29
7	PK 3563 - CH 70	PAKISTAN	3165	95	130	29	19	24	99	7	35	15	41
32	BITTERN "S"(DURUM)	MEXICO	3154	94	129	7	5	11	86	3	44	52	26
46	MALABADI	TURKEY	3123	88	126	9	10	9	91	27	32	11	22
24	KLEIN CHAMACO	ARGENTINA	3121	88	125	10	4	2	99	56	34	15	29
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3121	90	126	0	4	2	90	18	37	26	22
47	MAHISSA 18	SPAIN	3092	86	125	79	14	3	93	5	34	0	29
2	PIMA 77	MEXICO	3081	86	124	12	7	10	90	72	29	33	22
38	MAPACHE (TCL.)	MEXICO	3074	86	126	0	3	9	107	0	36	41	29
44	HAZERA 806/1976	ISRAEL	3059	85	124	100	16	1	85	7	35	0	26
50	LOCAL CHECK		3054	84	124	31	30	29	93	56	42	15	22
4	KAVKO "S"	KENYA	3051	89	125	0	8	0	114	24	37	37	26
39	BOBWHITE "S"	MEXICO	3001	94	127	0	3	3	93	23	30	15	26
36	ANTIZANA	ECUADOR	2965	83	122	45	32	17	92	14	40	15	22
27	CHUKAR "S"	MEXICO	2932	92	125	19	4	3	89	0	39	29	29
15	MAYA 74"S"-MONCHO "S"	MEXICO	2924	87	125	27	4	5	93	0	37	29	26
37	SIETE CERROS	MEXICO	2867	90	124	51	62	1	95	22	33	0	22
28	ANZA	U.S.A.	2851	91	127	11	19	25	84	49	32	19	37
17	FLICKER "S"	MEXICO	2845	95	128	48	11	1	92	15	31	19	52
41	MARCOS JUAREZ INTA	ARGENTINA	2777	94	129	65	8	3	98	39	40	0	33
43	Q. T. 4081	AUSTRALIA	2761	92	128	12	4	3	85	43	28	30	33
23	DOUGGA	TUNISIA	2757	92	127	14	1	2	89	0	35	15	26
8	ZARAGURO "S"	ECUADOR	2643	93	128	0	0	21	103	63	32	0	29
3	CHIVITO	GUATEMALA	2598	93	130	0	2	1	101	78	39	37	26
21	S 331 - NOR 67	LEBANON	2557	93	128	16	1	3	97	23	34	0	22
13	ESTANZUELA DAKARU	URUGUAY	2531	92	128	48	19	9	111	61	33	0	37
19	SUN 11 B - 15	AUSTRALIA	2414	90	125	100	5	3	94	38	36	0	37
1	Q. T. 4083	AUSTRALIA	2353	94	129	2	1	1	103	47	34	26	26
20	K 6106.3	KENYA	2316	92	130	2	5	1	92	41	33	0	37
22	GLENLEA	CANADA	2216	91	127	7	1	1	118	77	41	0	33
30	LAP 286	ARGENTINA	1866	104	136	35	3	2	98	21	24	37	44
35	MN 7086	U.S.A.	1369	104	136	45	10	3	98	9	25	0	40

SUMMARY MEANS OVER VARIETIES	3030.0	89.9	126.1	26.7	10.1	6.3	94.6	25.7	35.3	20.0	28.7
NUMBER OF LOCATIONS FOR EACH VARIABLE	9	9	8	2	5	2	9	3	6	1	1
NUMBER OF OBSERVATIONS FOR EACH VARIABLE	27	23	21	4	8	4	23	6	14	3	3

REGION VI. Summary for yield, agronomic and disease data for the 10th. International Spring Wheat Yield Nursery (ISWYN)
 (Locations: Thessaloniki, GREECE; Laxia, CIPRUS; Baghdad, IRAQ; R.D.S. de-Gat, ISRAEL; Beka'A Valley, LEBANON;
 Aleppo, SYRIA; Izmir, TURKEY.)

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STEM RUST	PLNT HT	LODG %	1000 G.W.	POWD %	SEPT TRIT	FRST DMGE
34	JUNCO "S"	MEXICO	4959	81	123	160	0	105	0	42	15	89	47
33	HD 2172	INDIA	4941	79	129	167	0	97	12	38	22	89	80
40	ABU GHRAIB # 3	IRAQ	4912	80	122	163	8	95	5	33	26	89	53
10	PAVON 76	MEXICO	4888	80	127	166	0	95	0	36	22	89	33
6	VEERY "S"	MEXICO	4872	80	127	165	0	90	0	37	26	82	27
31	NACOZARI 76	MEXICO	4836	81	124	164	3	92	22	38	15	89	60
46	MALABADI	TURKEY	4793	75	125	165	1	93	17	33	22	89	60
18	BUCK BUCK "S"	MEXICO	4773	82	125	167	0	91	0	38	22	89	60
16	ALONDRA "S"	MEX/BRAZ	4750	79	126	165	0	102	9	45	40	85	33
42	BUCK BUCK "S"	MEXICO	4739	80	127	168	1	89	12	41	15	89	60
32	BITTERN "S" (DURUM)	MEXICO	4705	82	126	166	3	88	12	52	18	11	40
17	FLICKER "S"	MEXICO	4659	79	126	164	5	96	10	39	44	89	7
41	MARCOS JUAREZ INTA	ARGENTINA	4632	80	124	163	0	102	42	41	29	82	20
28	ANZA	U.S.A.	4578	80	127	163	0	87	0	34	29	89	40
9	TITMOUSE "S"	MEXICO	4573	79	124	161	0	90	17	36	18	93	53
45	MAIPO "S"-PJ62XEMU "S"	MEXICO	4555	81	124	166	0	95	9	46	18	89	47
47	MAHISSA 18	SPAIN	4520	77	129	165	3	99	14	36	26	89	53
38	MAPACHE (TCL.)	MEXICO	4487	66	119	161	0	113	0	40	0	70	0
11	PAVON "S"	MEXICO	4478	81	127	167	0	94	0	39	15	89	40
27	CHUKAR "S"	MEXICO	4435	82	124	163	0	93	5	44	33	89	33
37	SIETE CERROS	MEXICO	4411	77	128	165	24	98	0	35	22	89	40
48	HEIMA-COC75 X BLUEJAY "S"	MEXICO	4359	81	123	164	0	85	0	43	26	82	60
44	HAZERA 806/1976	ISRAEL	4343	82	124	164	3	89	0	39	48	93	60
25	CHAT "S"	MEXICO	4304	81	129	166	5	98	12	41	11	82	53
29	IMURIS T79	MEXICO	4285	78	127	165	0	91	14	38	22	89	60
39	BOBWHITE "S"	MEXICO	4284	81	128	166	0	98	20	32	29	89	33
50	LOCAL CHECK		4241	79	123	163	5	94	19	37	33	93	20
43	Q. T. 4081	AUSTRALIA	4223	80	128	165	0	85	0	34	18	48	40
23	DOUGGA	TUNISIA	4211	80	128	167	0	96	19	37	15	89	40
15	MAYA 74 "S"-MONCHO "S"	MEXICO	4088	80	124	165	0	96	0	44	18	89	53
2	PIMA 77	MEXICO	4056	77	126	166	1	93	12	36	40	89	60
26	UP 262	INDIA	4021	82	120	161	8	96	14	50	26	89	100
8	ZARAGURO "S"	ECUADOR	4001	78	128	165	0	101	22	35	10	22	27
49	HP 1209	INDIA	3986	79	120	163	0	88	38	48	44	93	87
36	ANTIZANA	ECUADOR	3976	79	119	162	8	92	24	45	26	89	93
7	PK 3563 - CH 70	PAKISTAN	3929	81	133	172	0	94	0	38	26	89	60
24	KLEIN CHAMACO	ARGENTINA	3908	82	122	163	1	109	25	36	15	82	40
3	CHIVITO	GUATEMALA	3797	77	127	170	0	103	27	40	26	78	33
21	S 331 - NOR 67	LEBANON	3708	74	130	169	0	102	23	36	26	89	40
1	Q. T. 4083	AUSTRALIA	3677	77	130	168	0	105	17	41	41	89	20
14	INIA/SON64-P4160EXSON64	PAKISTAN	3598	81	125	165	0	102	17	42	22	89	93
12	ROMI	SPAIN	3566	80	125	165	8	101	22	37	29	89	80
5	SONALIKA	INDIA	3470	79	118	160	3	94	18	47	29	89	100
19	SUN 11 B - 15	AUSTRALIA	3464	76	124	166	0	99	41	42	18	96	33
22	GLENLEA	CANADA	3462	80	128	169	0	121	46	48	15	71	60
30	LAP 286	ARGENTINA	3404	78	136	175	0	96	14	35	37	85	33
35	MN 7086	U.S.A.	3372	79	139	175	0	97	24	32	26	71	33
13	ESTANZUELA DAKARU	URUGUAY	3370	80	128	168	9	111	39	38	22	78	53
20	K 6106.3	KENYA	3261	79	128	169	0	97	34	38	18	85	33
4	KAVKO "S"	KENYA	2774	80	129	167	0	116	38	38	44	37	27
SUMMARY MEANS OVER VARIETIES			4192.6	79.0	126.1	165.3	2.0	97.0	15.2	39.5	24.9	82.2	48.2
NUMBER OF LOCATIONS FOR EACH VARIABLE			6	2	5	2	1	6	3	3	1	1	1
NUMBER OF OBSERVATIONS FOR EACH VARIABLE			18	6	11	4	3	13	9	9	3	3	3

REGION VII. Summary for yield, agronomic and disease data for the 16th. International Spring Wheat Yield Nursery (ISWYN)
 (Locations: Czechia, CZECHOSLOVAKIA; Martonvasar, HUNGARY; Oslo NORWAY; Blonie, POLAND; Ilfov, ROMANIA;
 Landsdrona, SWEDEN.)

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT.L	LEAF RUST	STEM RUST	PLNT HT	LODG %	SHTR %	1000 G.W.
42	BUCK BUCK "S"	MEXICO	4272	76	71	135	0	0	2	75	7	26	41
38	MAPACHE (TCL.)	MEXICO	4220	63	66	132	1	0	0	100	2	0	39
50	LOCAL CHECK		4197	76	73	135	1	55	8	98	37	0	38
22	GLENLEA	CANADA	4057	78	72	134	0	11	0	109	54	0	46
44	HAZERA 806/1976	ISRAEL	4003	78	64	128	0	0	0	72	18	0	37
34	JUNCO "S"	MEXICO	3998	76	65	129	25	0	2	86	0	22	38
3	CHIVITO	GUATEMALA	3955	73	67	133	0	27	0	90	48	22	44
8	ZARAGURO "S"	ECUADOR	3935	75	72	134	0	2	0	91	71	7	34
35	MN 7086	U.S.A.	3908	78	70	131	1	0	0	86	42	7	37
31	NACOZARI 76	MEXICO	3830	75	66	130	2	0	0	78	18	0	35
10	PAVON 76	MEXICO	3781	78	69	131	0	0	0	83	24	26	41
11	PAVON "S"	MEXICO	3772	77	70	133	2	0	0	85	24	26	38
1	Q. T. 4083	AUSTRALIA	3716	74	72	134	0	0	0	90	26	0	40
28	ANZA	U.S.A.	3715	76	70	133	8	0	8	72	0	0	33
29	IMURIS T79	MEXICO	3696	74	72	134	0	0	8	76	0	29	40
36	ANTIZANA	ECUADOR	3685	77	65	128	0	0	0	81	17	0	41
7	PK 3563 - CH 70	PAKISTAN	3664	76	71	132	0	19	8	81	14	15	38
37	SIETE CERROS	MEXICO	3660	75	71	130	25	2	0	81	22	0	32
24	KLEIN CHAMACO	ARGENTINA	3655	80	67	131	0	0	0	84	35	0	33
39	BOBWHITE "S"	MEXICO	3645	79	70	131	0	0	0	76	3	0	33
25	CHAT "S"	MEXICO	3640	76	71	132	25	0	1	80	0	7	38
33	HD 2172	INDIA	3627	74	70	132	0	0	0	81	35	0	38
47	MAHISSA 18	SPAIN	3590	74	67	133	0	0	0	81	0	0	34
14	INIA/SON64-P4160EXSON64	PAKISTAN	3569	76	67	131	0	0	0	82	40	44	40
30	LAP 286	ARGENTINA	3562	77	63	127	0	0	1	79	35	0	32
45	MAIPO "S"-PJ62XEMU "S"	MEXICO	3533	77	66	130	0	0	0	76	7	0	46
18	BUCK BUCK "S"	MEXICO	3521	76	71	131	1	4	8	76	4	59	38
40	ABU GHRAIB # 3	IRAQ	3510	75	65	129	0	0	0	76	0	0	33
26	UP 262	INDIA	3480	78	65	129	8	0	0	77	14	0	45
41	MARCOS JUAREZ INTA	ARGENTINA	3472	77	68	129	1	0	0	84	10	0	43
16	ALONDRA "S"	MEX/BRAZ	3458	76	69	129	25	63	2	81	7	71	45
15	MAYA 74 "S"-MONCHO "S"	MEXICO	3429	76	66	128	0	0	2	75	4	0	43
5	SONALIKA	INDIA	3423	76	63	128	0	2	0	79	15	0	46
6	VEERY "S"	MEXICO	3368	77	69	130	0	2	25	71	0	0	34
20	K 6106.3	KENYA	3354	75	67	133	1	0	0	83	32	0	37
46	MALABADI	TURKEY	3281	73	65	127	0	0	0	75	32	0	36
9	TITHOUSE "S"	MEXICO	3271	77	65	127	25	0	2	70	15	40	36
43	Q. T. 4081	AUSTRALIA	3190	74	70	134	0	0	0	71	2	0	33
23	DOUGGA	TUNISIA	3165	76	71	131	0	0	0	80	0	15	33
48	HEIMA-COC75 X BLUEJAY "S"	MEXICO	3096	76	67	131	2	0	20	72	5	0	40
2	PIMA 77	MEXICO	3029	71	65	128	2	53	0	73	17	0	35
4	KAVKO "S"	KENYA	3009	77	66	132	25	52	0	90	7	48	36
27	CHUKAR "S"	MEXICO	2974	76	71	132	25	15	0	77	0	0	39
49	HP 1209	INDIA	2970	77	64	128	8	0	25	77	4	0	48
13	ESTANZUELA DAKARU	URUGUAY	2937	77	67	133	8	85	0	94	29	0	36
17	FLICKER "S"	MEXICO	2935	71	68	128	2	6	0	73	7	0	36
32	BITTERN "S" (DURUM)	MEXICO	2890	72	67	133	0	0	2	71	2	0	40
21	S 331 - NOR 67	LEBANON	2872	68	72	134	2	0	0	85	27	0	32
12	ROMI	SPAIN	2853	76	70	133	0	35	0	84	20	37	33
19	SUM 11 B - 15	AUSTRALIA	2714	72	66	129	1	0	0	75	40	0	40

SUMMARY MEANS OVER VARIETIES	3501.6	75.3	68.0	130.8	4.5	8.7	2.5	80.7	17.3	10.0	38.0
NUMBER OF LOCATIONS FOR EACH VARIABLE	6	5	4	2	1	1	1	6	3	1	6
NUMBER OF OBSERVATIONS FOR EACH VARIABLE	18	13	10	4	1	3	1	18	9	3	14

VAR NO.	VARIETY OR CROSS	ORIGIN	POWD %	SEPT TRIT	SEPT NODO	PROT %
42	BUCK BUCK "S"	MEXICO	27	33	44	14
38	MAPACHE (TCL.)	MEXICO	9	22	22	12
50	LOCAL CHECK		27	44	29	15
22	GLENLEA	CANADA	26	44	26	16
44	HAZERA 806/1976	ISRAEL	57	67	63	13
34	JUNCO "S"	MEXICO	30	56	67	14
3	CHIVITO	GUATEMALA	21	11	89	12
8	ZARAGURO "S"	ECUADOR	24	44	37	14
35	MN 7086	U.S.A.	40	44	48	15
31	NACOZARI 76	MEXICO	57	85	96	13
10	PAVON 76	MEXICO	32	60	71	14
11	PAVON "S"	MEXICO	32	67	82	14
1	Q. T. 4083	AUSTRALIA	27	33	33	13
28	ANZA	U.S.A.	36	67	74	14
29	IMURIS T79	MEXICO	22	33	56	14
36	ANTIZANA	ECUADOR	23	82	44	15
7	PK 3563 - CH 70	PAKISTAN	73	56	67	13
37	SIETE CERROS	MEXICO	20	89	63	13
24	KLEIN CHAMACO	ARGENTINA	27	71	48	15
39	BOBWHITE "S"	MEXICO	36	48	59	13
25	CHAT "S"	MEXICO	44	67	63	14
33	HD 2172	INDIA	9	48	56	13
47	MAHISSA 18	SPAIN	38	82	74	14
14	INIA/SON64-P4160EXSON64	PAKISTAN	40	78	89	13
30	LAP 286	ARGENTINA	34	78	67	17
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	17	67	59	15
18	BUCK BUCK "S"	MEXICO	30	78	89	14
40	ABU GHRAIB # 3	IRAQ	50	71	82	14
26	UP 262	INDIA	68	44	78	16
41	MARCOS JUAREZ INTA	ARGENTINA	24	82	74	15
16	ALONDRA "S"	MEX/BRAZ	50	56	67	14
15	MAYA 74"S"-MONCHO "S"	MEXICO	13	67	67	15
5	SONALIKA	INDIA	30	71	74	14
6	VEERY "S"	MEXICO	35	82	71	15
20	K 6106.3	KENYA	24	74	63	17
46	MALABADI	TURKEY	62	59	93	13
9	TITMOUSE "S"	MEXICO	29	56	89	14
43	Q. T. 4081	AUSTRALIA	32	67	59	15
23	DOUGGA	TUNISIA	20	60	78	15
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	46	56	82	15
2	PIMA 77	MEXICO	52	82	100	13
4	KAVKO "S"	KENYA	59	59	100	15
27	CHUKAR "S"	MEXICO	66	78	100	16
49	HP 1209	INDIA	61	60	89	15
13	ESTANZUELA DAKARU	URUGUAY	22	44	48	15
17	FLICKER "S"	MEXICO	48	74	89	13
32	BITTERN "S" (DURUM)	MEXICO	19	60	82	15
21	S 331 - NOR 67	LEBANON	30	85	82	13
12	ROMI	SPAIN	19	85	71	12
19	SUN 11 B - 15	AUSTRALIA	21	82	89	16
SUMMARY MEANS OVER VARIETIES			34.8	62.2	68.8	13.9
NUMBER OF LOCATIONS FOR EACH VARIABLE			5	1	1	2
NUMBER OF OBSERVATIONS FOR EACH VARIABLE			13	3	3	2

REGION VIII. Summary for yield, agronomic and disease data for the 16th. International Spring Wheat Yield Nursery (ISWYN)
 (Locations: Distrito Federal, and Parana, BRAZIL; Chillan, Nuble and Santiago, CHILE; Cacupe, PARAGUAY.)

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT.L	LEAF RUST	STEM RUST	PLNT HT	LODGE %	1000 G.W.	POWD %	BYDV
6	VEERY "S"	MEXICO	4221	79	79	124	0	0	5	79	0	33	25	23
18	BUCK BUCK "S"	MEXICO	4183	79	74	125	0	12	30	75	0	30	25	27
38	MAPACHE (TCL.)	MEXICO	4156	70	69	126	2	5	0	94	3	39	22	30
25	CHAT "S"	MEXICO	4093	79	75	118	18	2	20	79	0	40	15	43
39	BOBWHITE "S"	MEXICO	3960	80	76	135	1	1	15	81	5	32	20	30
29	IMURIS T79	MEXICO	3928	77	73	124	3	10	25	72	0	32	37	47
34	JUNCO "S"	MEXICO	3903	79	68	115	0	1	24	84	0	38	29	50
9	TITMOUSE "S"	MEXICO	3876	78	69	115	0	1	35	74	1	32	39	60
8	ZARAGURO "S"	ECUADOR	3840	79	79	132	0	0	15	87	80	29	27	73
16	ALONDRA "S"	MEX/BRAZ	3755	77	78	126	25	16	25	87	80	41	20	27
24	KLEIN CHAMACO	ARGENTINA	3735	80	72	115	0	11	5	88	0	31	20	43
4	KAVKO "S"	KENYA	3698	79	73	115	4	0	1	94	0	36	30	30
33	HD 2172	INDIA	3697	80	74	125	20	8	1	79	0	31	37	23
3	CHIVITO	GUATEMALA	3681	76	78	150	0	1	15	85	0	43	30	73
36	ANTIZANA	ECUADOR	3673	79	66	115	4	6	8	80	20	40	35	33
12	ROMI	SPAIN	3657	80	68	115	6	37	25	83	8	33	27	17
19	SUN 11 B - 15	AUSTRALIA	3626	76	75	135	79	0	3	87	30	40	25	32
15	MAYA 74"S"-MONCHO "S"	MEXICO	3625	81	68	115	2	2	22	77	0	34	30	33
50	LOCAL CHECK	MEXICO	3583	78	80	132	1	38	5	86	0	35	44	27
42	BUCK BUCK "S"	MEXICO	3560	78	72	126	0	9	28	74	0	34	44	37
1	Q. T. 4083	AUSTRALIA	3538	77	80	125	0	8	3	93	0	40	30	63
40	ABU GHRAIB # 3	IRAQ	3520	79	68	115	0	38	21	80	10	29	35	43
31	NACAZARI 76	MEXICO	3480	80	68	115	4	48	20	75	60	31	25	43
32	BITTERN "S"(DURUM)	MEXICO	3431	81	78	135	5	6	20	72	5	39	25	30
27	CHUKAR "S"	MEXICO	3421	81	77	126	27	7	0	79	0	37	27	53
26	UP 262	INDIA	3404	79	70	112	14	54	22	83	0	39	32	40
11	PAVON "S"	MEXICO	3384	81	74	115	0	42	20	82	0	31	34	20
17	FLICKER "S"	MEXICO	3379	80	79	126	1	46	8	79	0	29	22	28
37	SIETE CERROS	MEXICO	3355	80	70	106	23	66	4	82	5	29	33	15
49	HP 1209	INDIA	3349	80	66	115	3	3	60	78	0	42	30	63
23	DOUGGA	TUNISIA	3341	79	73	115	9	9	10	76	0	32	24	40
47	MAHISSA 18	SPAIN	3298	78	68	106	11	51	3	79	0	30	15	30
22	GLENLEA	CANADA	3294	79	77	126	0	51	30	100	3	37	22	53
10	PAVON 76	MEXICO	3289	78	75	115	0	45	25	80	0	31	30	23
30	LAP 286	ARGENTINA	3284	78	96	154	0	1	15	84	0	23	3	37
41	MARCOS JUAREZ INTA	ARGENTINA	3272	79	75	138	12	31	20	83	10	36	32	23
7	PK 3563 - CH 70	PAKISTAN	3252	81	81	143	11	56	20	82	0	29	32	43
2	PIMA 77	MEXICO	3238	79	67	115	3	42	42	73	5	28	25	67
14	INIA/SON64-P4160EXSON64	PAKISTAN	3165	78	69	115	76	42	1	85	80	32	5	37
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	3149	80	68	106	0	1	13	71	0	33	24	47
13	ESTANZUELA DAKARU	URUGUAY	3106	78	77	143	13	24	25	96	50	31	34	40
46	MALABADI	TURKEY	3099	79	68	115	8	31	8	77	10	29	32	70
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3064	79	72	112	0	22	1	74	0	35	34	70
44	HAZERA 806/1976	ISRAEL	3057	79	68	100	33	58	5	75	0	31	10	47
43	Q. T. 4081	AUSTRALIA	2965	82	75	124	2	46	4	72	0	24	27	73
28	ANZA	U.S.A.	2957	83	74	118	7	64	32	68	0	24	20	57
5	SONALIKA	INDIA	2925	77	64	100	0	77	25	83	0	38	20	30
21	S 331 - NOR 67	LEBANON	2923	77	78	125	4	17	6	86	80	32	42	77
35	MN 7086	U.S.A.	2903	74	98	154	29	2	60	85	0	23	5	37
20	K 6106.3	KENYA	2605	76	73	135	8	12	4	77	20	31	29	77
SUMMARY MEANS OVER VARIETIES			3457.9	78.7	73.9	122.6	9.1	23.2	16.6	81.0	11.3	33.2	26.5	42.7
NUMBER OF LOCATIONS FOR EACH VARIABLE			5	5	5	1	2	5	2	5	1	3	2	1
NUMBER OF OBSERVATIONS FOR EACH VARIABLE			15	9	7	1	4	9	4	9	1	5	4	3

REGION IX. Summary for yield, agronomic and disease data for the 16th. International Spring Wheat Yield Nursery(ISWYN)
(Locations: Cochabamba and Santa Cruz, BOLIVIA; Quito, Pichincha, ECUADOR.)

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT.L	STRP RT.H	STEM RUST	PLNT HT	LODG %	SHTR %
38	MAPACHE (TCL.)	MEXICO	4165	59	68	123	0	0	0	93	-	-
11	PAVON "S"	MEXICO	4059	76	73	118	8	15	4	85	-	22
6	VEERY "S"	MEXICO	4048	76	77	123	4	0	3	76	-	-
10	PAVON 76	MEXICO	4039	76	72	116	16	15	4	87	-	20
34	JUNCO "S"	MEXICO	3852	76	68	113	16	1	9	85	-	27
8	ZARAGURO "S"	ECUADOR	3813	70	80	124	0	0	0	91	20	-
29	IMURIS T79	MEXICO	3751	73	70	115	8	10	9	80	5	7
50	LOCAL CHECK		3737	69	69	114	2	1	10	86	-	5
39	BOBWHITE "S"	MEXICO	3726	78	75	119	0	0	6	81	5	-
25	CHAT "S"	MEXICO	3593	75	71	117	4	0	17	83	-	5
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3558	76	70	117	16	10	3	82	8	5
15	MAYA 74"S"-MONCHO "S"	MEXICO	3554	73	68	111	8	20	7	75	-	5
27	CHUKAR "S"	MEXICO	3520	78	76	123	6	20	1	83	13	-
36	ANTIZANA	ECUADOR	3398	74	67	112	32	15	10	79	-	10
43	Q. T. 4081	AUSTRALIA	3394	78	73	123	4	5	4	79	8	-
4	KAVKO "S"	KENYA	3370	76	72	120	0	0	2	96	-	23
22	GLENLEA	CANADA	3345	76	75	132	8	0	8	100	-	15
42	BUCK BUCK "S"	MEXICO	3297	65	69	120	100	90	7	81	-	5
46	MALABADI	TURKEY	3290	74	69	117	32	1	5	78	50	5
24	KLEIN CHAMACO	ARGENTINA	3216	75	72	118	8	20	5	89	8	5
2	PIMA 77	MEXICO	3192	72	68	114	48	1	2	73	55	23
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	3080	74	73	115	16	10	5	77	-	5
18	BUCK BUCK "S"	MEXICO	2999	66	70	117	48	70	9	77	-	5
16	ALONDRA "S"	MEX/BRAZ	2986	74	77	124	2	5	9	88	10	10
30	LAP 286	ARGENTINA	2965	71	74	-	32	10	14	84	-	-
31	NACCOZARI 76	MEXICO	2914	48	68	112	80	100	5	83	-	5
5	SONALIKA	INDIA	2910	66	65	111	80	60	9	84	-	5
20	K 6106.3	KENYA	2908	73	72	130	8	1	0	83	-	-
32	BITTERN "S" (DURUM)	MEXICO	2815	74	74	126	0	0	9	83	5	-
33	HD 2172	INDIA	2768	68	75	123	60	70	5	76	5	-
40	ABU GHRAIB # 3	IRAQ	2757	68	71	111	24	60	43	80	30	-
28	ANZA	U.S.A.	2740	69	72	123	50	10	5	78	10	-
44	HAZERA 806/1976	ISRAEL	2640	-	68	116	100	80	6	80	-	5
13	ESTANZUELA DAKARU	URUGUAY	2575	69	73	133	50	40	5	94	-	-
9	TITMOUSE "S"	MEXICO	2559	-	68	111	70	100	10	74	-	10
1	Q. T. 4083	AUSTRALIA	2510	74	77	123	24	30	2	88	5	-
12	ROMI	SPAIN	2442	-	68	115	48	100	6	80	-	23
47	MAHISSA 18	SPAIN	2427	-	69	119	100	90	14	82	-	5
37	SIETE CERROS	MEXICO	2380	-	71	116	90	100	9	85	-	13
49	HP 1209	INDIA	2380	69	66	114	24	60	20	76	-	5
23	DOUGGA	TUNISIA	2324	68	72	118	30	50	5	76	8	5
17	FLICKER "S"	MEXICO	2292	61	78	123	40	60	2	78	10	-
3	CHIVITO	GUATEMALA	2219	67	78	130	24	70	1	90	7	8
21	S 331 - NOR 67	LEBANON	2135	70	76	122	16	60	0	89	5	10
26	UP 262	INDIA	2086	58	69	115	60	90	18	86	-	10
14	INIA/SONG64-P4160EXSON64	PAKISTAN	2046	-	68	115	80	100	8	82	-	40
19	SUN 11 B - 15	AUSTRALIA	1935	67	73	130	70	60	4	83	7	-
41	MARCOS JUAREZ INTA	ARGENTINA	1799	-	75	126	60	60	9	88	-	8
7	PK 3563 - CH 70	PAKISTAN	1613	70	79	116	48	50	41	83	-	-
35	MN 7086	U.S.A.	1101	-	70	-	60	80	2	88	-	-
SUMMARY MEANS OVER VARIETIES			2944.4	70.7	71.8	119.2	34.3	38.0	7.5	83.1	13.7	11.1
NUMBER OF LOCATIONS FOR EACH VARIABLE			3	1	3	1	1	1	2	3	1	1
NUMBER OF OBSERVATIONS FOR EACH VARIABLE			9	1	7	3	1	1	5	7	3	3

REGION X. Summary for yield, agronomic and disease data for the 16th. International Spring Wheat Yield Nursery (ISWYN)
(Locations: Edo. de Mexico and Guanajuato, MEXICO.)

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT.L	LEAF RUST	PLNT HT	LODG %
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	6587	76	75	142	2	0	86	-
42	BUCK BUCK "S"	MEXICO	6516	70	75	143	2	1	83	-
32	BITTERN "S" (DURUM)	MEXICO	6501	74	74	137	3	0	89	55
12	ROMI	SPAIN	6416	76	72	130	17	25	98	40
9	TITMOUSE "S"	MEXICO	6393	74	72	138	11	10	85	80
38	MAPACHE (TCL.)	MEXICO	6365	58	72	136	1	2	114	30
15	MAYA 74"S"-MONCHO "S"	MEXICO	6290	74	73	143	2	5	91	10
18	BUCK BUCK "S"	MEXICO	6185	68	76	146	6	1	90	30
25	CHAT "S"	MEXICO	6057	72	77	138	9	2	92	10
10	PAVON 76	MEXICO	6032	74	76	136	3	10	95	-
49	HP 1209	INDIA	5983	74	70	134	9	8	91	40
34	JUNCO "S"	MEXICO	5967	74	72	137	11	3	103	-
29	IMURIS T79	MEXICO	5894	70	76	138	5	4	86	-
36	ANTIZANA	ECUADOR	5883	73	70	134	4	25	96	30
27	CHUKAR "S"	MEXICO	5864	77	80	139	9	1	95	-
33	HD 2172	INDIA	5834	72	75	136	1	4	92	30
39	BOBWHITE "S"	MEXICO	5800	75	80	141	5	0	100	30
6	VEERY "S"	MEXICO	5727	66	81	139	2	5	94	40
44	HAZERA 806/1976	ISRAEL	5721	77	73	139	43	24	84	40
50	LOCAL CHECK		5697	74	70	133	18	25	87	-
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	5533	75	74	139	0	9	90	70
31	NACOZARI 76	MEXICO	5480	73	72	136	24	26	89	-
26	UP 262	INDIA	5430	76	71	126	15	23	96	23
11	PAVON "S"	MEXICO	5427	75	77	140	1	7	98	40
40	ABU GHRAIB # 3 /	IRAQ	5406	76	72	136	36	33	92	10
14	INIA/SON64-P4160EXSON64	PAKISTAN	5298	75	71	131	17	48	92	20
5	SONALIKA	INDIA	5079	75	65	123	51	45	97	70
43	Q. T. 4081	AUSTRALIA	5054	73	78	146	5	12	88	60
47	MAHISSA 18	SPAIN	5011	73	71	137	58	20	93	-
24	KLEIN CHAMACO	ARGENTINA	4883	76	73	133	0	1	105	40
46	MALABADI	TURKEY	4787	66	74	138	13	28	90	-
1	Q. T. 4083	AUSTRALIA	4780	69	81	140	4	1	113	30
37	SIETE CERROS	MEXICO	4602	71	76	136	57	20	93	20
4	KAVKO "S"	KENYA	4559	78	77	138	12	1	117	30
17	FLICKER "S"	MEXICO	4524	74	79	138	21	3	99	45
16	ALONDRA "S"	MEX/BRAZ	4453	57	82	142	13	10	101	-
7	PK 3563 - CH 70	PAKISTAN	4344	71	78	139	12	30	97	-
28	ANZA	U.S.A.	4323	71	77	142	27	38	86	-
13	ESTANZUELA DAKARU	URUGUAY	4227	76	75	135	11	2	112	30
2	PIMA 77	MEXICO	4118	66	72	137	11	25	84	30
41	MARCOS JUAREZ INTA	ARGENTINA	4059	69	78	138	32	23	103	50
30	LAP 286	ARGENTINA	3977	71	77	147	11	0	95	20
23	DOUGGA	TUNISIA	3963	73	79	143	15	10	86	30
21	S 331 - NOR 67	LEBANON	3939	61	84	141	12	1	106	-
19	SUN 11 B - 15	AUSTRALIA	3527	68	75	129	65	20	95	77
20	K 6106.3	KENYA	3522	67	76	141	4	1	99	53
22	GLENLEA	CANADA	3335	73	77	131	3	22	126	50
35	MN 7086	U.S.A.	3128	69	86	-	43	0	103	80
3	CHIVITO	GUATEMALA	3040	61	82	143	3	1	103	70
8	ZARAGURO "S"	ECUADOR	3026	54	85	140	0	0	100	75
SUMMARY MEANS OVER VARIETIES			5090.6	71.2	75.6	137.6	14.8	12.1	96.0	41.3
NUMBER OF LOCATIONS FOR EACH VARIABLE			2	1	3	1	3	2	3	1
NUMBER OF OBSERVATIONS FOR EACH VARIABLE			6	3	9	3	5	3	9	3

REGION XI. Summary for yield, agronomic and disease data for the 16th. International Spring Wheat Yield Nursery (ISWYN)
 (Locations: Sonora, MEXICO; California, U.S.A.)

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	LEAF RUST	PLNT HT	1000 G.W.	SEPT TRIT
46	MALABADI	TURKEY	6617	77	119	186	1	90	43	26
28	ANZA	U.S.A.	6591	79	120	190	13	85	41	11
31	NACCOZARI 76	MEXICO	6535	77	116	185	2	88	45	4
40	ABU GHRAIB # 3	IRAQ	6466	75	114	184	0	92	37	26
11	PAVON "S"	MEXICO	6439	79	119	188	2	92	37	4
33	HD 2172	INDIA	6358	76	121	190	4	98	46	4
15	MAYA 74"S"-MONCHO "S"	MEXICO	6292	75	118	186	0	92	47	26
32	BITTERN "S"(DURUM)	MEXICO	6257	80	119	190	0	84	65	0
2	PIMA 77	MEXICO	6228	76	119	190	1	88	42	41
10	PAVON 76	MEXICO	6200	76	119	190	5	88	36	0
47	MAHISSA 18	SPAIN	6199	75	118	190	0	94	49	33
23	DOUGGA	TUNISIA	6171	78	123	190	0	90	41	30
6	VEERY "S"	MEXICO	6080	79	124	186	1	89	42	37
44	HAZERA 806/1976	ISRAEL	6003	77	117	183	3	82	43	15
21	S 331 - NOR 67	LEBANON	5998	75	126	191	2	108	44	4
34	JUNCO "S"	MEXICO	5918	76	116	188	0	100	47	0
42	BUCK BUCK "S"	MEXICO	5900	75	118	186	0	83	44	22
7	PK 3563 - CH 70	PAKISTAN	5820	78	126	194	1	102	37	44
17	FLICKER "S"	MEXICO	5820	76	120	184	0	94	45	30
29	IMURIS T79	MEXICO	5815	77	119	195	0	86	37	15
9	TITMOUSE "S"	MEXICO	5711	77	117	186	1	85	37	0
25	CHAT "S"	MEXICO	5659	77	123	188	3	97	44	0
18	BUCK BUCK "S"	MEXICO	5636	75	118	186	0	91	41	4
27	CHUKAR "S"	MEXICO	5628	79	120	184	0	89	47	45
37	SIETE CERROS	MEXICO	5603	78	120	190	11	94	39	33
38	MAPACHE (TCL.)	MEXICO	5464	67	113	184	0	105	-	0
50	LOCAL CHECK		5457	76	111	179	0	96	50	44
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	5363	74	118	186	0	88	48	26
41	MARCOS JUAREZ INTA	ARGENTINA	5301	75	118	182	0	100	46	0
39	BOBWHITE "S"	MEXICO	5222	76	120	186	0	92	36	0
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	5190	73	115	184	0	81	44	7
24	KLEIN CHAMACO	ARGENTINA	5188	78	117	184	2	98	36	0
5	SONALIKA	INDIA	5167	77	104	186	31	90	52	56
36	ANTIZANA	ECUADOR	5163	78	109	186	10	90	52	15
43	Q. T. 4081	AUSTRALIA	5158	79	120	184	1	87	38	0
3	CHIVITO	GUATEMALA	5111	71	123	190	0	102	47	0
26	UP 262	INDIA	4959	77	113	183	7	96	51	18
12	ROMI	SPAIN	4958	78	115	191	1	95	46	44
19	SUN 11 B - 15	AUSTRALIA	4950	75	116	184	2	93	46	59
14	INIA/SON64-P4160EXSON64	PAKISTAN	4806	75	117	191	27	97	44	29
13	ESTANZUELA DAKARU	URUGUAY	4758	70	123	193	2	117	38	0
30	LAP 286	ARGENTINA	4747	75	162	198	0	106	35	0
8	ZARAGURO "S"	ECUADOR	4742	76	122	191	0	98	37	0
1	Q. T. 4083	AUSTRALIA	4525	73	124	186	0	104	37	15
35	MN 7086	U.S.A.	4447	76	166	199	0	108	30	0
20	K 6106.3	KENYA	4430	74	122	190	0	95	34	22
49	HP 1209	INDIA	4202	73	110	180	0	86	55	30
16	ALONDRA "S"	MEX/BRAZ	4184	77	123	186	2	93	49	4
22	GLENLEA	CANADA	3572	76	122	186	0	115	49	0
4	KAVKO "S"	KENYA	3547	72	123	192	0	114	37	19
SUMMARY MEANS OVER VARIETIES			5450.9	75.9	120.1	187.6	2.7	94.3	43.1	16.8
NUMBER OF LOCATIONS FOR EACH VARIABLE			2	1	2	1	1	2	1	1
NUMBER OF OBSERVATIONS FOR EACH VARIABLE			6	1	3	1	3	6	1	3

REGION XII. Summary for yield, agronomic and disease data for the 16th. International Spring Wheat Yield Nursery (ISWYN)
 (Locations: Alberta, Manitoba and Ontario, CANADA; Minnesota and Washington, U.S.A.)

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT.L	LEAF RUST	STEM RUST	PLNT HT	LODGE %	1000 G.W.	POWD %	SEPT NODO
6	VEERY "S"	MEXICO	4948	74	62	99	11	6	1	74	17	34	7	25
25	CHAT "S"	MEXICO	4853	76	60	99	33	29	1	77	0	41	0	50
42	BUCK BUCK "S"	MEXICO	4816	73	60	101	22	17	1	68	13	38	32	50
38	MAPACHE (TCL.)	MEXICO	4686	63	56	98	22	17	1	91	17	44	0	38
18	BUCK BUCK "S"	MEXICO	4664	74	60	101	22	17	1	72	7	35	50	50
9	TITMOUSE "S"	MEXICO	4604	76	54	95	22	23	1	71	11	33	38	50
39	BOBWHITE "S"	MEXICO	4583	78	62	99	22	16	10	75	13	33	13	25
29	IMURIS T79	MEXICO	4582	71	61	101	22	17	1	70	17	35	57	50
33	HD 2172	INDIA	4573	74	58	101	22	19	1	75	13	38	25	38
17	FLICKER "S"	MEXICO	4535	71	59	100	22	8	1	76	10	35	44	38
10	PAVON 76	MEXICO	4530	77	59	101	11	17	1	80	17	38	38	38
15	MAYA 74"S"-MONCHO "S"	MEXICO	4414	75	55	98	22	6	1	74	29	40	26	25
31	NACCOZARI 76	MEXICO	4403	75	56	98	67	34	1	72	13	36	19	38
7	PK 3563 - CH 70	PAKISTAN	4379	77	60	101	22	48	60	78	13	35	57	38
14	INIA/SON64-P4160EXSON64	PAKISTAN	4355	75	59	99	78	21	10	78	4	39	38	25
11	PAVON "S"	MEXICO	4344	76	59	99	11	17	1	78	21	36	38	50
43	Q. T. 4081	AUSTRALIA	4331	75	58	96	44	27	1	68	8	31	13	38
16	ALONDRA "S"	MEX/BRAZ	4259	75	62	101	56	32	10	82	13	44	7	25
24	KLEIN CHAMACO	ARGENTINA	4253	77	57	99	22	33	1	84	44	31	38	38
40	ABU GHRAIB # 3	IRAQ	4245	75	57	98	67	36	10	75	13	30	51	50
28	ANZA	U.S.A.	4217	76	59	100	0	48	30	70	17	33	44	50
36	ANTIZANA	ECUADOR	4205	76	54	98	33	24	1	74	13	42	13	38
35	MN 7086	U.S.A.	4204	75	59	98	67	6	1	81	13	32	32	38
34	JUNCO "S"	MEXICO	4159	76	54	98	33	17	1	80	21	39	51	50
5	SONALIKA	INDIA	4147	74	52	98	33	21	1	81	17	44	50	75
46	MALABADI	TURKEY	4145	71	55	96	22	34	1	71	26	32	44	50
1	Q. T. 4083	AUSTRALIA	4078	72	62	104	11	17	1	90	13	38	51	25
30	LAP 286	ARGENTINA	4057	74	51	96	22	12	1	73	17	30	25	38
20	K 6106.3	KENYA	4047	73	58	100	44	12	1	77	13	35	19	25
47	MAHISSA 18	SPAIN	4046	72	57	100	56	19	1	76	21	34	57	38
3	CHIVITO	GUATEMALA	4030	70	62	103	11	12	1	86	30	39	32	38
27	CHUKAR "S"	MEXICO	4008	76	61	99	78	23	1	74	13	37	32	38
22	GLENLEA	CANADA	3992	75	60	101	11	29	1	101	7	43	32	13
2	PIMA 77	MEXICO	3991	71	55	95	11	23	1	71	28	30	63	50
8	ZARAGURO "S"	ECUADOR	3972	71	64	103	22	1	1	85	44	30	32	25
4	KAVKO "S"	KENYA	3934	75	59	101	0	6	1	94	13	39	19	25
26	UP 262	INDIA	3929	76	55	98	56	39	50	75	9	43	57	50
21	S 331 - NOR 67	LEBANON	3927	68	62	101	44	17	1	80	40	35	44	25
41	MARCOS JUAREZ INTA	ARGENTINA	3925	75	62	101	22	6	1	81	10	41	26	25
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3880	75	57	96	11	17	1	70	9	40	25	38
37	SIETE CERROS	MEXICO	3876	75	59	99	56	42	20	73	14	32	26	38
49	HP 1209	INDIA	3844	75	54	99	22	17	1	71	21	46	19	38
50	LOCAL CHECK		3784	73	60	101	100	40	1	81	13	31	57	25
23	DOUGGA	TUNISIA	3764	74	61	99	44	12	1	73	7	33	26	38
13	ESTANZUELA DAKARU	URUGUAY	3743	75	56	100	56	27	1	92	13	36	32	38
32	BITTERN "S" (DURUM)	MEXICO	3729	74	59	100	22	12	1	65	19	44	38	50
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	3726	74	58	98	11	17	1	66	13	38	25	38
44	HAZERA 806/1976	ISRAEL	3725	77	54	96	67	44	1	68	13	35	57	50
12	ROMI	SPAIN	3719	76	58	100	22	25	5	82	17	34	32	38
19	SUN 11 B - 15	AUSTRALIA	3545	71	60	98	56	6	1	74	7	39	32	38
SUMMARY MEANS OVER VARIETIES			4174.1	74.0	58.2	99.2	33.3	21.1	4.9	77.0	15.9	36.5	33.7	38.5
NUMBER OF LOCATIONS FOR EACH VARIABLE			5	5	1	3	1	2	1	5	2	4	1	1
NUMBER OF OBSERVATIONS FOR EACH VARIABLE			15	5	3	7	1	2	1	13	6	4	2	1

REGION XIII. Summary for yield, agronomic and disease data for the 16th. International Spring Wheat Yield Nursery (ISWYN)
 (Locations: Region du Féeuve Senegal, SENEGAL; Alajuela, COSTA RICA; Lima, PERU.)

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	LEAF RUST	PLNT HT	LODG %	1000 G.W.
39	BOBWHITE "S"	MEXICO	4749	82	70	123	0	88	15	39
38	MAPACHE (TCL.)	MEXICO	4694	70	58	116	0	103	20	37
6	VERY "S"	MEXICO	4669	80	73	125	0	87	5	36
33	HD 2172	INDIA	4514	80	67	125	0	84	-	39
17	FLICKER "S"	MEXICO	4422	79	73	125	0	86	-	40
37	SIETE CERROS	MEXICO	4369	79	59	115	5	87	15	38
9	TITMOUSE "S"	MEXICO	4356	79	56	113	0	77	65	37
7	PK 3563 - CH 70	PAKISTAN	4329	82	72	127	0	90	-	39
18	BUCK BUCK "S"	MEXICO	4295	79	60	117	0	81	35	39
50	LOCAL CHECK		4270	81	62	121	20	89	25	38
10	PAVON 76	MEXICO	4187	81	65	119	0	88	45	41
40	ABU GHRAIB # 3	IRAQ	4158	80	59	113	5	87	35	40
34	JUNCO "S"	MEXICO	4156	81	56	115	0	91	-	45
25	CHAT "S"	MEXICO	4152	80	62	117	0	82	-	39
11	PAVON "S"	MEXICO	4104	80	65	121	0	93	20	44
42	BUCK BUCK "S"	MEXICO	4057	80	60	117	0	79	35	41
46	MALABADI	TURKEY	4056	79	57	114	10	82	15	38
16	ALONDRA "S"	MEX/BRAZ	4024	80	72	121	10	97	5	43
29	IMURIS T79	MEXICO	3999	78	61	119	0	81	15	40
2	PIMA 77	MEXICO	3954	80	56	115	0	83	20	41
43	Q. T. 4081	AUSTRALIA	3916	80	65	120	0	74	15	39
31	NACAZARI 76	MEXICO	3910	80	57	114	0	79	-	42
28	ANZA	U.S.A.	3896	80	64	119	0	76	-	40
47	MAHISSA 18	SPAIN	3846	80	55	116	0	81	-	38
27	CHUKAR "S"	MEXICO	3827	81	69	121	0	85	-	41
20	K 6106.3	KENYA	3798	77	64	122	0	88	20	43
24	KLEIN CHAMACO	ARGENTINA	3796	80	64	119	0	93	45	40
3	CHIVITO	GUATEMALA	3769	76	69	124	0	94	70	38
14	INIA/SON64-P4160EXSON64	PAKISTAN	3746	79	57	115	0	85	20	43
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3729	80	64	119	0	82	25	38
26	UP 262	INDIA	3693	81	60	115	10	87	35	43
23	DOUGGA	TUNISIA	3673	80	63	118	0	83	5	38
40	HEIMA-COC75 X BLUEJAY"S"	MEXICO	3602	79	60	115	0	80	15	38
44	HAZERA 806/1976	ISRAEL	3574	81	55	112	0	77	-	41
19	SUN 11 B - 15	AUSTRALIA	3524	79	70	124	0	96	50	39
41	MARCOS JUAREZ INTA	ARGENTINA	3523	80	72	130	5	97	10	41
32	BITTERN "S" (DURUM)	MEXICO	3521	80	74	126	0	79	-	39
21	S 331 - NOR 67	LEBANON	3520	77	68	122	0	95	35	39
36	ANTIZANA	ECUADOR	3512	80	58	114	0	89	25	40
22	GLENLEA	CANADA	3446	78	69	121	0	110	35	39
4	KAVKO "S"	KENYA	3433	78	60	115	0	102	10	43
8	ZARAGURO "S"	ECUADOR	3402	76	72	126	0	96	65	39
15	MAYA 74"S"-MONCHO "S"	MEXICO	3375	79	57	114	0	81	-	38
1	Q. T. 4083	AUSTRALIA	3340	79	72	125	0	98	15	41
49	HP 1209	INDIA	3270	79	54	115	0	77	15	42
12	ROMI	SPAIN	3229	80	55	115	0	91	5	41
5	SONALIKA	INDIA	3053	78	51	112	0	87	-	46
13	ESTANZUELA DAKARU	URUGUAY	2819	80	67	123	0	97	40	38
30	LAP 286	ARGENTINA	2594	77	90	150	0	89	5	37
35	MN 7086	U.S.A.	2444	76	93	150	0	93	-	35

SUMMARY MEANS OVER VARIETIES	3805.7	78.9	64.1	120.1	1.3	87.5	25.8	39.9
NUMBER OF LOCATIONS FOR EACH VARIABLE	4	2	4	4	1	3	1	1
NUMBER OF OBSERVATIONS FOR EACH VARIABLE	12	4	10	10	1	7	1	3

REGION XIV. Summary for yield, agronomic and disease data for the 16th. International Spring Wheat Yield Nursery (ISWYN)
 (Locations: New South Wales, AUSTRALIA; Manawatu, NEW ZEALAND.)

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	STRP RT.L	LEAF RUST	STEM RUST	PLNT HT	SHTR %
1	Q. T. 4083	AUSTRALIA	3973	65	0	0	0	90	7
2	PIMA 77	MEXICO	3784	56	0	0	0	68	2
3	CHIVITO	GUATEMALA	5443	63	0	0	0	82	0
4	KAVKO "S"	KENYA	3134	59	0	40	0	93	30
5	SONALIKA	INDIA	3250	54	4	0	0	77	3
6	VEERY "S"	MEXICO	6100	64	0	0	0	73	0
7	PK 3563 - CH 70	PAKISTAN	5246	61	0	2	60	73	2
8	ZARAGURO "S"	ECUADOR	4407	66	0	0	1	90	5
9	TITMOUSE "S"	MEXICO	4515	57	0	40	0	68	7
10	PAVON 76	MEXICO	3062	61	0	0	8	87	57
11	PAVON "S"	MEXICO	2941	60	0	0	0	85	37
12	ROMI	SPAIN	2535	57	0	2	60	87	43
13	ESTANZUELA DAKARU	URUGUAY	3193	59	0	50	60	102	27
14	INIA/SON64-P4160EXSON64	PAKISTAN	2556	59	20	0	40	77	40
15	MAYA 74"S"-MONCHO "S"	MEXICO	3877	58	0	0	0	63	2
16	ALONDRA "S"	MEX/BRAZ	1491	64	0	50	1	93	70
17	FLICKER "S"	MEXICO	5143	60	0	60	0	82	3
18	BUCK BUCK "S"	MEXICO	4665	61	0	1	10	68	10
19	SUN 11 B - 15	AUSTRALIA	3517	59	8	0	0	80	0
20	K 6106.3	KENYA	4122	58	0	2	0	75	0
21	S 331 - NOR 67	LEBANON	4005	61	0	0	0	82	2
22	GLENLEA	CANADA	4732	64	0	4	1	102	3
23	DOUGGA	TUNISIA	3141	59	24	0	0	77	12
24	KLEIN CHAMACO	ARGENTINA	3691	58	0	40	0	82	7
25	CHAT "S"	MEXICO	2754	62	1	0	1	78	10
26	UP 262	INDIA	3218	57	30	30	50	77	7
27	CHUKAR "S"	MEXICO	3805	62	0	30	0	82	8
28	ANZA	U.S.A.	4956	60	0	-	50	65	0
29	IMURIS T79	MEXICO	4974	62	0	8	20	73	8
30	LAP 286	ARGENTINA	4063	53	0	40	20	80	5
31	NACAZARI 76	MEXICO	4964	57	-	-	-	68	0
32	BITTERN "S"(DURUM)	MEXICO	3348	57	0	1	0	65	0
33	HD 2172	INDIA	4276	59	16	0	0	75	5
34	JUNCO "S"	MEXICO	3579	57	0	0	0	80	13
35	MN 7086	U.S.A.	5612	62	4	0	1	75	0
36	ANTIZANA	ECUADOR	4161	56	0	40	0	70	5
37	SIETE CERROS	MEXICO	2965	58	8	50	70	82	30
38	MAPACHE (TCL.)	MEXICO	6628	58	0	1	0	80	0
39	BOBWHITE "S"	MEXICO	5807	64	0	0	0	72	3
40	ABU GHRAIB # 3	IRAQ	4157	55	0	50	20	73	0
41	MARCOS JUAREZ INTA	ARGENTINA	3872	63	16	0	1	97	5
42	BUCK BUCK "S"	MEXICO	5066	62	0	0	2	63	3
43	Q. T. 4081	AUSTRALIA	4003	59	0	0	1	65	0
44	HAZERA 806/1976	ISRAEL	5284	56	0	0	10	67	0
45	MAIPO"S"-PJ62XEMU"S"	MEXICO	3767	59	0	2	16	72	2
46	MALABADI	TURKEY	3036	57	4	0	2	67	2
47	MAHISSA 18	SPAIN	2694	56	24	50	30	75	17
48	HEIMA-COC75 X BLUEJAY"S"	MEXICO	3368	58	0	32	30	67	0
49	HP 1209	INDIA	3223	54	0	0	60	70	0
50	LOCAL CHECK		6018	63	-	-	-	78	0

SUMMARY MEANS OVER VARIETIES 4042.4 59.4 3.3 13.3 13.0 77.4 9.8
 NUMBER OF LOCATIONS FOR EACH VARIABLE 1 1 1 1 1 1 1
 NUMBER OF OBSERVATIONS FOR EACH VARIABLE 3 3 1 1 1 3 3

APPENDIX

Location tables for data returned

from the 15th ISWYN, 1978-79

GWEBI

C.J.J.BADENHORST ET AL

LATITUDE 017 48'S DATE PLANTED 5/11/79

LONGITUDE 031 15'E DATE HARVESTED 10/18/79

ELEVATION 1486 M.ABOVE S.L. AMOUNT OF MOISTURE 570 MM

NITROGEN APPLIED
PHOSPHORUS APPLIED
POTASSIUM APPLIED

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.

WEATHER NORMAL. NEGLIGIBLE DISEASE DEVELOPMENT.

NO INSECT, WEED OR BIRD PROBLEMS. LOCAL CHECK: S 1612-30

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	PLNT HT
42	SAPSUCKER "S"	MEXICO	9755	74	115
3	VEERY "S"	MEXICO	8881	79	98
23	PAVON "S"	MEXICO	8740	83	103
33	ZARAGOZA 75	MEXICO	8658	-	90
10	ANZA	U.S.A. ***	8481	82	90
32	PAVON 76	MEXICO	8458	82	100
1	JAUHARA 77	MEXICO	8207	80	92
50	LOCAL CHECK		8177	80	65
29	QUETZAL 75	GUATEMALA	8140	80	102
25	KAL-BB	MEXICO	7918	-	70
49	ERA	U.S.A.	7888	-	108
35	VIREO "S"	MEXICO	7881	80	95
28	PAVON "S"	MEXICO	7844	80	100
5	ANAHUAC F75	MEXICO	7836	81	103
7	TITMOUSE "S"	MEXICO	7762	-	85
47	YECORATO 77	MEXICO	7658	-	77
4	MEXICALI 75 (DURUM)	MEXICO	7636	81	98
45	LIESBECK	S. AFRICA	7607	81	103
27	JUNCO "S"	MEXICO	7510	83	102
43	TOWHEE "S"	MEXICO	7466	82	100
18	FLICKER "S"	MEXICO	7444	-	100
44	COOK	AUSTRALIA	7436	81	88
16	SHASTA	U.S.A.	7414	83	93
48	PHOEBE "S"	MEXICO	7407	76	73
13	CGT-700 = CAN"S"-JAR66	ARGENTINA	7399	80	102
36	DOUGGA 74	TUNISIA	7377	79	95
26	SONDEREND	S. AFRICA	7333	81	93
37	HUACAMAYO "S"	MEXICO	7318	81	115
30	NACOZARI 76	MEXICO	7303	80	93
9	M. J. INTA	ARGENTINA	7296	80	103
15	MAPACHE (TRITICALE)	MEXICO	7184	64	113
12	VULTURE "S"	MEXICO	7103	-	77
6	ABU-GHRAIB #3	IRAQ	7073	-	92
22	SONALIKA	INDIA	7036	81	102
2	SHORTIM=SUN 23A	AUSTRALIA	6962	-	87
11	INIA 66	MEXICO	6955	85	93
14	SIETE CERROS	MEXICO	6947	77	93
20	IAS 54	BRAZIL	6629	77	110
34	CUCKOO"S" = HARAMOUN"S"	MEX-LEBNON	6488	77	93
24	JUPATECO 73	MEXICO	6466	79	102
17	BUCK BUCK "S"	MEXICO	6414	-	88
39	CGT-705 = TOB-CI"S"	ARGENTINA	6407	81	115
8	ANTIZANA	ECUADOR	6296	-	87
38	PLANINKA	YUGOSLAVIA	6288	81	88
31	HAZERA 895	ISRAEL	6288	83	87
46	HAZERA 806/1976	ISRAEL	6214	80	82
21	SONGLEN	AUSTRALIA	6133	78	85
41	GLENLEA	CANADA	6125	77	127
19	TORIM 73	MEXICO	5992	-	68
40	PIMA 77	MEX.-CHILE	5933	78	90

GRAND MEAN 7343.3 79.6 94.6
 STANDARD ERROR OF GRAND MEAN 51.6
 COEFFICIENT OF VARIATION AS PC 8.6
 LSD VARIETY MEANS 5 PC 1023.2

CORRELATIONS
 YIELD KG/HA
 TEST WT 0.05
 PLNT HT 0.12 -0.20

INST AGR NACIONAL

R. ARTECONA ET AL

LATITUDE 25 24'S

LONGITUDE 57 06'W

ELEVATION 228 M. ABOVE S.L.

DATE PLANTED

6, 1/79

DATE HARVESTED

--/--/--

AMOUNT OF MOISTURE

490 MM

NITROGEN

PHOSPHORUS

POTASSIUM

APPLIED

APPLIED

APPLIED

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION GOOD.

WEATHER NORMAL. MODERATE DISEASE INCIDENCE.
INSECT, WEED AND BIRD PROBLEMS NOT REPORTED.

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	LEAF RUST	STEM RUST	PLNT HT	1000 G.W.	POWD %
2	SHORTIM-SUN 23A	AUSTRALIA	3500	73	78	10MS	0	66	29	7
44	COOK	AUSTRALIA	3177	77	65	0	0	64	32	10
3	VEERY "S"	MEXICO	3000	72	60	0	0	65	41	10
9	M. J. INTA	ARGENTINA	2989	75	65	10MR	0	73	36	20
48	PHOEBE "S"	MEXICO	2977	77	59	0	0	53	35	10
15	MAPACHE (TRITICALE)	MEXICO	2922	62	58	10MR	0	73	40	0
33	ZARAGOZA 75	MEXICO ***	2894	72	72	TRMS	TRMS	66	29	3
50	LOCAL CHECK		2777	75	68	20MS	0	75	39	37
36	DOUGGA 74	TUNISIA	2578	75	58	10MS	0	64	33	13
17	BUCK BUCK "S"	MEXICO	2534	72	58	TRMS	0	60	30	33
21	SONGLEN	AUSTRALIA	2522	66	60	10MS	0	64	32	3
16	SHASTA	U.S.A.	2511	75	59	80S	20S	64	36	13
18	FLICKER "S"	MEXICO	2509	71	63	TRMS	0	67	34	23
8	ANTIZANA	ECUADOR	2489	72	59	0	0	62	36	20
35	VIREO "S"	MEXICO	2489	72	61	TRMS	TRMS	65	34	13
32	PAVON 76	MEXICO	2455	74	59	10MR	30S	65	37	10
27	JUNCO "S"	MEXICO	2411	68	56	TRMR	0	65	36	13
25	KAL-BB	MEXICO	2378	70	58	20MS	0	53	33	27
34	CUCKOO "S" = HARAMOUN "S"	MEX-LEBNON	2355	72	58	30MS	30MS	62	32	37
23	PAVON "S"	MEXICO	2355	74	59	10MS	0	67	37	10
28	PAVON "S"	MEXICO	2355	75	59	TRMS	0	63	36	13
10	ANZA	U.S.A.	2255	74	64	80S	0	63	32	7
39	CGT-705 = TOB-CI "S"	ARGENTINA	2211	77	60	10MS	0	66	30	10
24	JUPATECO 73	MEXICO	2200	79	58	80MS	10MS	65	38	17
38	PLANINKA	YUGOSLAVIA	2200	70	59	10MS	0	61	34	20
41	GLENLEA	CANADA	2166	75	63	20MS	0	79	43	10
12	VULTURE "S"	MEXICO	2155	68	57	0	TRMS	55	34	17
43	TOWHEE "S"	MEXICO	2139	70	57	0	0	61	34	27
13	CGT-700 = CAN "S" - JAR66	ARGENTINA	2111	67	58	10MS	0	64	31	10
45	LIESBECK	S. AFRICA	2089	75	59	10MS	0	60	35	13
20	IAS 54	BRAZIL	2066	68	59	80MS	10S	66	30	53
29	QUETZAL 75	GUATEMALA	2055	68	58	TRMR	TRMS	63	35	67
7	TITMOUSE "S"	MEXICO	2055	71	58	0	0	62	30	40
37	HUACANAYO "S"	MEXICO	2044	72	58	0	TRMR	66	33	23
6	ABU-GHRAIB #3	IRAQ	2033	70	57	10MS	TRMS	62	32	67
5	ANAHUAC F75	MEXICO	2000	72	60	10MR	0	58	30	27
14	SIRTE CERROS	MEXICO	1978	66	59	50S	TRMS	65	33	30
11	INIA 66	MEXICO	1933	76	55	60S	0	64	32	17
42	SAPSUCKER "S"	MEXICO	1922	75	56	20MS	0	66	36	53
19	TORIM 73	MEXICO	1911	73	56	TRMS	0	54	30	10
1	JAUHARA 77	MEXICO	1900	73	55	40MS	TRMR	61	30	33
4	MEXICALI 75 (DURUM)	MEXICO	1900	72	59	TRMS	0	61	50	33
22	SONALIKA	INDIA	1861	72	55	60S	0	70	42	37
30	NACAZARI 76	MEXICO	1789	73	56	10MS	40MS	62	30	30
31	HAZERA 895	ISRAEL	1716	72	56	10S	20MS	64	33	73
26	SONDEREND	S. AFRICA	1644	73	55	60MS	TRMS	62	29	23
47	YECORATO 77	MEXICO	1633	65	59	40MS	0	51	33	43
49	ERA	U.S.A.	1611	62	-	TRMS	0	-	21	10
46	HAZERA 806/1976	ISRAEL	1609	73	58	30VS	0	59	32	37
40	PIMA 77	MEX.-CHILE	1133	66	58	30S	TRMS	62	32	20
		GRAND MEAN	2249.9	71.8	59.5	17.1	4.2	63.4	34.1	23.7
		STANDARD ERROR OF GRAND MEAN	26.0	0.1				0.3		
		COEFFICIENT OF VARIATION AS PC	14.2	0.9				5.0		
		LSD VARIETY MEANS 5 PC	516.1	1.0				5.1		

CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	LEAF RUST	STEM RUST	PLNT HT	1000 G.W.	POWD %
	0.28						
	0.65	0.15					
	-0.32	0.06	-0.12				
	-0.25	-0.04	-0.27	0.11			
	0.30	0.12	0.34	-0.01	-0.23		
	0.19	0.12	-0.06	-0.02	-0.19	0.36	
	-0.44	-0.11	-0.33	0.15	0.50	-0.12	-0.04

