

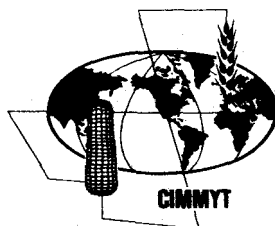
**RESULTS  
OF  
THE SECOND  
ELITE  
SELECTION  
WHEAT YIELD  
TRIAL**

**ESWYT 1980-81**



**CENTRO INTERNACIONAL DE MEJORAMIENTO DE MAIZ Y TRIGO  
INTERNATIONAL MAIZE AND WHEAT IMPROVEMENT CENTER**  
Londres 40, Apdo. Postal 6-641, 06600, México 6, D. F., México

**RESULTS OF THE SECOND  
ELITE SELECTION WHEAT YIELD TRIAL  
(ESWYT) 1980-81**



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# CONTENTS

	Page
<b>Glossary</b>	ii
<b>Introduction</b>	1
<b>Summary of all locations and variables reported</b>	2
<b>Tables reporting data from individual locations</b>	
<b>Africa</b>	
1. Egypt: Cairo	3
2. Kenya: Rift Valley	4
3. Rhodesia: Salisbury	5
4. Sudan: Kassala	6
<b>Asia</b>	
5. Bangladesh: Joydebpur	7
6. Pakistan: Punjab	8
<b>Europe</b>	
7. Greece: Thessaloniki	9
8. Portugal: Elvas	10
9. Spain: Cadiz	11
10. Spain: Cordoba	12
<b>Middle East</b>	
11. Israel: R.D.Sde-Gat	13
12. Syria: Aleppo	14
<b>North America</b>	
13. Mexico: Guanajuato	15
14. Mexico: Sonora	16
15. USA: California	17
16. USA: Oregon	18
<b>South America</b>	
17. Brazil: Parana	19
18. Chile: Chillan, Nuble	20
19. Ecuador: Quito, Pichincha	21
<b>Summary for all locations: yield, agronomic and disease data</b>	22
<b>Regional summaries</b>	
I. Mediterranean, North Africa and Iberia	23
II. Northeast, Africa and Middle East	24
III. Subcontinent	25
IV. Southern Cone	26
V. Northern Mexico and Southern USA	27

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

TABLE ABBREVIATION	VARIABLE NAME	NOMBRE DE LA VARIABLE	NOM DE LA VARIABLE
ALT BLT	Alternaria blight (0-9 scale)	Tizón por Alternaria (escala 0-9)	Alternaria (échelle 0-9)
ANT DMGE	Ant Damage percentage	Porcentaje de daño de hormigas	Dégâts dûs aux fourmis en pourcentage
APHD DMGE	Aphid damage percentage	Porcentaje de daño de áfidos	Dégâts dûs aux pucerons en pourcentage
ARMY WORM	Army worm percentage	Porcentaje de gusano cogollero	Chenille soldat en pourcentage
BACT STRP	Bacterial stripe (0-9 scale)	Rayado bacteriano (escala 0-9)	Rayée bacterienne (échelle 0-9)
BIRD DMGE	Bird damage percentage	Porcentaje de daño de pájaros	Dégâts dûs aux oiseaux en pourcentage
BYDV	Barley yellow dwarf virus (0-9 scale)	Enanismo amarillo de la cebada (escala 0-9)	Virose jaune de l'orge (échelle 0-9)
COVD SMUT	Covered smut percentage	Porcentaje de carbón cubierto	Charbon couvert en pourcentage
EARS/M2	Ears per square meter	Espigas o mazorcas por metro cuadrado	Epis par mètre <sup>2</sup>
FALL NO	Falling number (seconds)	Actividad alfa amilasa (segundos)	Activité du $\alpha$ amylase (en secondes)
FERT %	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 %	Germination percentage	Porcentaje de germinación	Germination en pourcentage
HAIL DMGE	Hail damage percentage	Porcentaje de daño por granizo	Dégâts dûs à la grêle en pourcentage
HELM	Helminthosporium (0-9 scale)	Helminthosporium (escala 0-9)	Helminthosporium (échelle 0-9)
HELM TERES	Leaf spot Helminthosporium teres	Mancha foliar (Helminthosporium teres)	Tache de la feuille (Helminthosporium teres)
KERN APP	Kernel appearance	Apariencia del grano	Apparence du grain
LEAF FIRE	Leaf fire (0-9 scale)	Tizón foliar (escala 0-9)	Sécheresse des feuilles (échelle 0-9)
LEAF RUST	Leaf rust (Cobb scale)	Roya de la hoja (escala de Cobb)	Rouille brune (échelle de Cobb)
LEAF RUST/P. HORDEI	Barley leaf rust (Puccinia hordei)	Roya de la hoja (cebada)	Rouille brune de l'orge
LODG %	Lodging percentage	Porcentaje de acame	Versé en pourcentage
LSE SMUT	Loose smut percentage	Porcentaje de carbón volador	Charbon nu en pourcentage
MAT DAYS	Number days to maturity	Número de días a la madurez	Nombre de jours à la maturation
MST %	Moisture percentage	Porcentaje de humedad	Humidité en pourcentage
NECK BRK	Neck break percentage	Porcentaje de rotura del cuello	Cassure du pédoncule en pourcentage
NET BLOT	Net blotch (0-9 scale)	Mancha reticular (escala 0-9)	Helminthosporium de l'orge (échelle 0-9)
PLNT DENS	Plant density (stems/square meter)	Densidad de plantas (tallos/metro cuadrado)	Population des plantes (tiges/mètre <sup>2</sup> )
PLNT HT	Height (cm)	Altura (cm)	Hauteur (cm)
PLNT WT	Plant weight (grams)	Peso de la planta (gramos)	Poids de la plante (grames)
POWD %	Powdery mildew percentage	Porcentaje de mildiú polvoriento	Oidium en pourcentage
PROT %	Protein percentage	Porcentaje de proteína	Protéin en pourcentage
ROOT ROT	Root rot percentage	Porcentaje de pudrición de maíz	Putréfaction du maïs en pourcentage
SCAB %	Scab percentage	Porcentaje de roña	Fusarium de l'épi en pourcentage
SCLD %	Scald percentage	Porcentaje de escaldadura	Rhynchosporium en pourcentage
SDMT INDX	Sedimentation index (cc)	Índice de sedimentación (cc)	Indice de sédimentation (cc)
SEED TYPE	Seed type (L=large, M=medium, S=small)	Tipo de semilla (L=grande, M=mediano, S=pequeño)	Type de grain (L=large, M=moyen, S=petit)
SEPT NODO	Septoria nodorum (0-9 scale)	Septoria nodorum (escala 0-9)	Septoria nodorum (échelle 0-9)
SEPT SPP.	Septoria spp. (0-9 scale)	Septoria spp. (escala 0-9)	Septoria spp. (échelle 0-9)
SEPT TRIT	Septoria tritici (0-9 scale)	Septoria tritici (escala 0-9)	Septoria tritici (échelle 0-9)
SHTR %	Shattering percentage	Porcentaje de desgrane	Chute de grains en pourcentage
SMLS SMUT	Semi-loose smut percentage	Porcentaje de carbón semi-volador	Charbon semi-nu en pourcentage
SPOT BLOT	Spot blotch (0-9 scale)	Tizón de la hoja (escala 0-9)	Tache de la feuille (échelle 0-9)
SPOT BLOTCH/HELM SATV	Spot blotch (0-9 scale)	Tizón de la hoja (escala 0-9)	Tache de la feuille (échelle 0-9)
STEM RUST	Stem rust (Cobb scale)	Roya del tallo (escala de Cobb)	Rouille noire (échelle de Cobb)
STRP RT.H	Stripe rust (head) percentage	Porcentaje de roya lineal (espiga)	Rouille jaune sur l'épi en pourcentage
STRP RT. L	Stripe rust (leaf) (Cobb scale)	Roya lineal (hoja) (escala de Cobb)	Rouille jaune sur feuilles (échelle de Cobb)
TEST WT	Test weight (kg/hl)	Peso hectolítrico (kg/hl)	Poids spécifique (kg/hl)
1000 G.W.	1000 grain weight (grams)	Peso de 1000 granos (gramos)	Poids de 1000 grains (grames)
YELL BERR	Yellow berry percentage	Porcentaje de panza blanca	Mitadinage en pourcentage
YIELD KG/HA	Yield kg/ha	Rendimiento kg/ha	Rendement kg/ha

## RESULTS OF THE 2nd. ELITE SELECTION WHEAT YIELD TRIAL (ESWYT) 1980-81

The 2nd. Elite Selection Wheat Yield Trial (ESWYT) was sent in 1980-81, to be grown by cooperators in their spring season of 1981. Thirty nurseries went to cooperators in 26 countries. The 30 advanced lines and varieties included in the nursery had been chosen from among CIMMYT's best materials. 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 seed to each cooperator; the plot 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 accompanied each nursery set, providing a format for recording data desired by CIMMYT.

Nineteen of the cooperators receiving the 2nd. ESWYT 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 the summary table 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; the summary table for international results specifies 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 two 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. *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<sup>1/</sup> 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 cooperators' station files—location coordinates, etc. We ask for feedback of both kinds.

<sup>1/</sup> 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.



EL GENMEIZA  
CEREAL STAFF

LATITUDE 030 15'N DATE PLANTED 12/ 2/80 NITROGEN ---  
LONGITUDE 031 13'E DATE HARVESTED 6/ 8/81 PHOSPHORUS ---  
ELEVATION 0021 M. ABOVE S. L. AMOUNT OF MOISTURE -- MM POTASSIUM ---

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION GOOD.  
MODERATE DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. SLIGHT WEED PROBLEM.  
NEGLIGIBLE BIRD DAMAGE. CHEMICAL CONTROL OF WEEDS. WEATHER NORMAL.  
LOCAL CHECK: SAKHA 61

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	STRP RT. L	LEAF RUST	STEM RUST	PLNT HT	LOD9 X	SHTR X	1000 G. W.	APHD DMGE
15	VEERY"S"	MEXICO	5991	114	0	0	0	107	5	0	35	-
18	PAVON 76	MEXICO	5973	112	0	0	0	118	0	0	34	-
28	CROW"S"	MEXICO	5880	110	0	0	0	98	0	0	36	-
14	TZPP (2)-ANE X INIA/JAR-KVZ	MEXICO	5797	109	0	0	0	105	0	0	35	-
16	CROW"S"	MEXICO	5769	108	0	0	0	100	0	0	35	-
13	TEETER"S"	MEXICO	5686	107	0	0	TMS	110	5	0	37	30
1	PARULA"S"	MEXICO	5649	106	0	0	TMS	100	0	0	41	-
11	HANN"S"	MEXICO	5575	117	0	0	0	100	0	0	40	-
29	SUNBIRD"S"	MEXICO	5519	116	0	0	0	95	0	0	39	-
6	BOBWHITE"S"	MEXICO	5389	112	0	0	0	106	5	0	37	20
19	BAYA"S"	MEXICO	5362	109	0	108	10MS-S	110	15	0	33	5
17	OLL-AUST II 61.157 X CND-ND/PV	MEXICO	5297	109	0	608	0	105	0	0	34	-
2	BOBWHITE"S"	MEXICO	5278	113	0	0	0	102	0	0	33	30
7	BAYA"S"	MEXICO	5241	110	0	0	108	104	5	0	34	-
27	KOEL"S"	MEXICO	5176	108	0	0	TMS	112	0	0	41	-
21	BOBWHITE"S"	MEXICO	5084	113	0	0	0	115	10	0	34	13
22	TRM X KAL-BB	MEXICO	4824	106	0	0	5MS-S	95	0	5	31	-
24	YAVARDS 79 (DURUM)	MEXICO	4778	108	0	108	TS	98	10	0	44	-
8	DOVE"S"	MEXICO	4695	108	0	0	5MS-S	93	0	5	38	20
23	NACDZARI 76	MEXICO	4695	109	308	308	108	110	0	5	30	2
9	VEERY"S"	MEXICO	4649	106	0	0	0	105	10	5	46	-
25	JUP-BJY"S"	MEXICO	4639	108	708	0	308	96	0	0	28	-
20	BUCKBUCK"S"	MEXICO	4602	112	0	20MR-MS	0	108	15	0	32	2
10	HYNA"S"	MEXICO	4445	112	0	0	208	110	0	0	32	-
12	HORK-YMH X KAL-BB	MEXICO	4306	112	0	0	508	111	5	0	32	-
30	LOCAL CHECK		4260	108	0	0	0	105	10	0	27	-
26	BUCKBUCK"S"	MEXICO	4167	112	0	30MS-MR	0	100	0	10	30	20
3	NEELKANT"S"	MEXICO	4093	119	TS	608	208	114	0	0	32	-
4	HRB-COC	MEXICO	4056	111	0	0	0	110	0	0	37	10
5	FLN-ACC X ANA	MEXICO	4047	117	0	0	58	113	5	0	35	30
GRAND MEAN			5030.6	110.6	3.5	6.8	6.8	105.2	3.3	1.0	35.0	16.2
STANDARD ERROR OF GRAND MEAN			68.9								0.0	
COEFFICIENT OF VARIATION AS PC			13.0								1.2	
LSD VARIETY MEANS 5 PC			1068.4								0.7	

## CORRELATIONS

YIELD KG/HA	FLOW DAYS	STRP RT. L	LEAF RUST	STEM RUST	PLNT HT	LOD9 X	SHTR X	1000 G. W.	APHD DMGE
	-0.14								
		-0.15	-0.17						
			-0.30	0.22	0.23				
				-0.43	0.10	0.53	0.22		
					-0.13	0.31	-0.19	0.17	0.16
						-0.15	-0.09	-0.17	-0.15
							-0.34	-0.23	0.04
								0.30	-0.13
									-0.37
									-0.33
									-0.41
									-0.15
									0.05
									-0.09
									0.14
									0.22
									-0.27
									-0.44
									-0.18
									-0.22
									-0.52
									-0.08
									0.27



## NJORD

## CEREAL STAFF

LATITUDE	000 00'S	DATE PLANTED	4/22/81	NITROGEN	APPLIED
LONGITUDE	036 00'E	DATE HARVESTED	9/18/81	PHOSPHORUS	APPLIED
ELEVATION	2165 M. ABOVE S. L.	AMOUNT OF MOISTURE	500 MM	POTASSIUM	--

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

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	STRP RT. L	STEM RUST
3	NEELKANT"S"	MEXICO	3972	75	90	0	0
16	CRDM"S"	MEXICO	3416	75	57	0	TS
11	HAHN"S"	MEXICO	3405	78	76	TS	0
5	FLN-ACC X ANA	MEXICO	3333	74	76	TS	TS
25	JUP-BJY"S"	MEXICO	3277	77	65	0	TS
7	BAYA"S"	MEXICO	3200	77	58	0	0
15	VEERY"S"	MEXICO	3139	76	76	0	0
26	BUCKBUCK"S"	MEXICO	2961	79	58	0	5S
28	CRDM"S"	MEXICO	2883	78	58	0	TS
17	QLL-AUST II 61.157 X CND-ND/PV	MEXICO	2822	79	64	5S	TMS
20	BUCKBUCK"S"	MEXICO	2789	78	60	0	TS
30	LOCAL CHECK		2683	77	59	0	0
18	PAVDN 76	MEXICO	2633	82	59	5S	0
23	NACQZARI 76	MEXICO	2595	73	57	10S	TMS
29	SUNBIRD"S"	MEXICO	2516	77	76	0	0
12	HORK-YMH X KAL-BB	MEXICO	2511	72	73	TS	TS
19	BAYA"S"	MEXICO	2433	77	57	0	0
4	MRB-COC	MEXICO	2389	73	74	0	0
13	TEETER"S"	MEXICO	2378	75	63	0	0
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	2322	78	58	0	0
1	PARULA"S"	MEXICO	2272	75	67	20S	0
9	VEERY"S"	MEXICO	2255	77	56	0	0
27	KOEL"S"	MEXICO	2244	77	58	0	TS
21	BOBWHITE"S"	MEXICO	2239	78	57	0	0
22	TRM X KAL-BB	MEXICO	2189	80	63	TS	0
6	BOBWHITE"S"	MEXICO	2166	76	69	0	0
8	DOVE"S"	MEXICO	1994	74	56	0	0
2	BOBWHITE"S"	MEXICO	1933	80	64	TS	0
10	HYNA"S"	MEXICO	1872	75	59	10S	20S
24	YAVARDS 79 (DURUM)	MEXICO	1694	77	60	0	50S

GRAND MEAN	2615.8	76.6	64.1	1.8	4.4
STANDARD ERROR OF GRAND MEAN	30.4	0.1			
COEFFICIENT OF VARIATION AS PC	11.0	1.8			
LSD VARIETY MEANS 5 PC	471.4	2.3			

## CORRELATIONS

YIELD KG/HA					
TEST WT	-0.06				
FLOW DAYS	0.48	-0.30			
STRP RT. L	-0.20	-0.16	-0.05		
STEM RUST	-0.34	-0.01	-0.17	0.07	

## GWEBI

## CEREAL STAFF

LATITUDE	017 48'S	DATE PLANTED	5/21/81	NITROGEN	APPLIED
LONGITUDE	031 15'E	DATE HARVESTED	11/20/81	PHOSPHORUS	APPLIED
ELEVATION	1486 M. ABOVE S. L.	AMOUNT OF MOISTURE	661 MM	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. WEATHER NORMAL.  
 LOCAL CHECK: GWEBI

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	PLNT HT	LODG %
23	NACQZARI 76	MEXICO	9321	80	88	142	105	13
28	CROW"S"	MEXICO	9055	79	88	141	102	-
12	HORK-YMH X KAL-BB	MEXICO	8866	81	101	144	110	35
10	MYNA"S"	MEXICO	8777	79	96	145	103	35
17	OLL-AUST II 61.157 X CNO-NO/PV	MEXICO	8555	80	92	144	103	10
29	SUNBIRD"S"	MEXICO	8488	79	101	143	102	45
11	HAHN"S"	MEXICO	8321	83	101	142	100	10
25	JUP-BJY"S"	MEXICO	8299	79	94	142	102	15
15	VEERY"S"	MEXICO	8255	78	100	145	103	50
22	TRM X KAL-BB	MEXICO	8255	82	89	141	90	-
26	BUCKBUCK"S"	MEXICO	8244	81	88	143	100	10
24	YAVAROS 79 (DURUM)	MEXICO	8221	82	87	138	98	-
7	BAYA"S"	MEXICO	8166	80	93	142	107	25
18	PAVON 76	MEXICO	8088	83	91	142	105	65
20	BUCKBUCK"S"	MEXICO	7544	79	90	145	103	-
16	CROW"S"	MEXICO	7221	79	88	139	90	-
19	BAYA"S"	MEXICO	7166	80	89	141	107	43
30	LOCAL CHECK		7122	76	88	139	77	-
1	PARULA"S"	MEXICO	7088	80	90	141	98	35
5	FLN-ACC X ANA	MEXICO	7022	78	97	141	117	37
8	DOVE"S"	MEXICO	6955	81	90	139	95	-
13	TEETER"S"	MEXICO	6877	77	89	140	110	40
3	NEELKANT"S"	MEXICO	6599	77	106	145	103	-
9	VEERY"S"	MEXICO	6599	82	88	140	107	23
2	BOBWHITE"S"	MEXICO	6544	82	92	144	97	-
21	BOBWHITE"S"	MEXICO	5588	82	91	144	105	-
6	BOBWHITE"S"	MEXICO	5244	81	90	142	97	-
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	5155	81	91	141	100	-
4	HRS-CDC	MEXICO	5011	81	102	144	108	10
27	KDEL"S"	MEXICO	4833	80	90	142	102	-

GRAND MEAN	7382.6	80.1	92.6	142.0	101.5	31.3
STANDARD ERROR OF GRAND MEAN	89.3	0.0			0.5	
COEFFICIENT OF VARIATION AS PC	11.5	0.0			4.5	
LSD VARIETY MEANS 5 PC	1385.1	0.0			7.5	

## CORRELATIONS

YIELD KG/HA						
TEST WT	-0.07					
FLOW DAYS	0.03	-0.15				
MAT DAYS	0.06	-0.03	0.60			
PLNT HT	0.03	0.07	0.35	0.37		
LODG %	0.03	-0.19	0.04	-0.05	0.13	

KHASHM ELGIRBA

CEREAL STAFF

LATITUDE 015 08'N

DATE PLANTED 11/27/80

NITROGEN --

LONGITUDE 035 45'E

DATE HARVESTED 3/28/81

PHOSPHORUS --

ELEVATION 0400 M. ABOVE S. L.

AMOUNT OF MOISTURE -- MM

POTASSIUM --

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

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

SLIGHT BIRD DAMAGE. CHEMICAL CONTROL OF INSECTS. HAND WEEDING.

WEATHER NORMAL. LOCAL CHECK: MEXICANI (ANZA)

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	STEM RUST	PLNT HT
15	VEERY"S"	MEXICO	3240	62	100	5R	73
30	LOCAL CHECK		2989	55	101	TR	63
12	HORK-YMH X KAL-BB	MEXICO	2966	66	106	30MR	74
3	NEELKANT"S"	MEXICO	2933	69	108	20MR-MS	80
5	FLN-ACC X ANA	MEXICO	2780	65	99	TR	76
25	JUP-BJY"S"	MEXICO	2749	55	100	0	68
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	2733	47	91	10R	64
17	QLL-AUST II 61.157 X CND-ND/PV	MEXICO	2638	59	103	0	70
29	SUNBIRD"S"	MEXICO	2566	79	111	0	68
7	BAYA"S"	MEXICO	2526	52	88	0	69
21	BOBWHITE"S"	MEXICO	2509	62	101	TR	73
11	HAIN"S"	MEXICO	2495	71	110	0	70
6	BOBWHITE"S"	MEXICO	2344	58	94	0	66
10	MYNA"S"	MEXICO	2286	49	92	TR	60
8	DOVE"S"	MEXICO	2282	49	88	0	55
2	BOBWHITE"S"	MEXICO	2264	55	102	0	59
28	CROW"S"	MEXICO	2220	49	91	0	61
1	PARULA"S"	MEXICO	2215	55	97	0	58
4	MRS-COC	MEXICO	2102	62	102	5MR	62
19	BAYA"S"	MEXICO	2073	48	89	0	64
16	CROW"S"	MEXICO	1953	50	95	TR	63
13	TEETER"S"	MEXICO	1893	55	96	10R-MR	63
23	NACQZARI 76	MEXICO	1882	48	96	10R	67
18	PAVON 76	MEXICO	1864	55	99	5R	64
26	BUCKBUCK"S"	MEXICO	1851	51	92	TR	66
22	TRM X KAL-BB	MEXICO	1806	50	97	0	49
20	BUCKBUCK"S"	MEXICO	1786	54	102	5R	63
27	KOEL"S"	MEXICO	1613	48	97	0	58
24	YAVAROS 79 (DURUM)	MEXICO	1449	66	105	30S	72
9	VEERY"S"	MEXICO	1380	47	88	TR	58
	GRAND MEAN		2279.6	56.4	97.9	3.6	65.2
	STANDARD ERROR OF GRAND MEAN		43.6				0.5
	COEFFICIENT OF VARIATION AS PC		18.1				8.0
	LSD VARIETY MEANS 5 PC		676.1				8.5

## CORRELATIONS

YIELD KG/HA	FLOW DAYS	MAT DAYS	STEM RUST	PLNT HT
	0.44			
	0.32	0.86		
	0.06	0.39	0.40	
	0.54	0.65	0.49	0.40

JOYDEBPUR

CEREAL STAFF

LATITUDE 023 46'N

DATE PLANTED 11/15/80

LONGITUDE 090 23'E

DATE HARVESTED 3/20/81

ELEVATION 8 M. ABOVE S. L.

AMOUNT OF MOISTURE 529 MM

NITROGEN APPLIED

PHOSPHORUS APPLIED

POTASSIUM APPLIED

NORMAL SOWING DATE SOIL MOIST AT SOWING. GERMINATION GOOD.

SLIGHT DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE.

NO WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE. HAND WEEDING.

LOCAL CHECK: SONALIKA

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	PLNT HT	1000 G. W.
25	JUP-BJY"S"	MEXICO	4921	67	114	83	41
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	4415	63	108	78	38
16	CROW"S"	MEXICO	4370	59	109	77	35
10	MYNA"S"	MEXICO	4266	65	115	87	39
18	PAVDN 76	MEXICO	4253	68	112	89	35
15	VEERY"S"	MEXICO	4211	77	120	84	31
12	HORK-YMH X KAL-BB	MEXICO	4120	74	121	85	41
13	TEETER"S"	MEXICO	4096	67	111	88	39
17	QLL-AUBT II 61.157 X CND-ND/PC	MEXICO	4051	70	118	85	37
4	HRB-COC	MEXICO	3998	73	111	86	37
3	NEELKANT"S"	MEXICO	3831	80	122	88	42
6	BOBWHITE"S"	MEXICO	3826	69	115	87	36
5	FLN-ACC X ANA	MEXICO	3794	75	117	89	45
21	BOBWHITE"S"	MEXICO	3782	74	118	88	33
20	BUCKBUCK"S"	MEXICO	3745	66	113	84	39
26	BUCKBUCK"S"	MEXICO	3523	64	113	84	41
9	VEERY"S"	MEXICO	3516	57	106	80	48
19	BAYA"S"	MEXICO	3427	63	110	84	47
28	CROW"S"	MEXICO	3325	59	112	77	34
30	LOCAL CHECK		3272	52	105	85	52
11	HAWN"S"	MEXICO	3249	85	123	83	36
7	BAYA"S"	MEXICO	3134	65	111	89	44
1	PARULA"S"	MEXICO	3040	68	115	83	41
29	SUNBIRD"S"	MEXICO	3017	84	124	83	37
22	TRM X KAL-BB	MEXICO	2839	66	111	71	37
2	BOBWHITE"S"	MEXICO	2811	69	117	73	34
27	KOEL"S"	MEXICO	2641	60	112	78	52
23	NACDZARI 76	MEXICO	2632	59	111	79	39
8	DOVE"S"	MEXICO	2570	59	109	73	41
24	YAVARDS 79 (DURUM)	MEXICO	2353	76	121	84	44

GRAND MEAN	3554.2	67.8	114.1	82.9	39.9
STANDARD ERROR OF GRAND MEAN	83.3			0.5	0.4
COEFFICIENT OF VARIATION AS PC	22.2			5.5	9.0
LSD VARIETY MEANS 5 PC	1292.4			7.4	5.9

CORRELATIONS					
YIELD KG/HA					
FLOW DAYS	0.10				
MAT DAYS	-0.02	0.90			
PLNT HT	0.45	0.39	0.29		
1000 G. W.	-0.32	-0.40	-0.35	0.09	

NATIONAL AGRC. RES. CENTER  
CEREAL STAFF

LATITUDE 033 39'N

DATE PLANTED 11/ 5/80

NITROGEN ---

LONGITUDE 073 5'E

DATE HARVESTED 5/17/81

PHOSPHORUS ---

ELEVATION +00683 M. ABOVE S.L.

AMOUNT OF MOISTURE -- MM

POTASSIUM ---

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.  
SLIGHT DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. SERIOUS WEED PROBLEM.  
NEGLIGIBLE BIRD DAMAGE. CHEMICAL CONTROL OF WEEDS. MECHANICAL CONTROL OF WEEDS  
HAND WEEDING. LOCAL CHECK. LYP-73 TWO HEAVY STORMS DURING WHEAT SEASON

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	PLNT HT	LODG %	1000 G W.
28	CROW"S"	MEXICO	4059	117	177	95	29	37
3	NEELKANT"S"	MEXICO	3955	134	188	105	22	37
12	HORK-YMH X KAL-BB	MEXICO	3866	127	184	101	15	34
11	HAHN"S"	MEXICO	3629	131	186	91	4	35
21	BOBWHITE"S"	MEXICO	3614	121	181	98	37	33
6	BOBWHITE"S"	MEXICO	3555	123	183	95	26	34
29	SUNBIRD"S"	MEXICO	3523	129	187	106	0	39
2	BOBWHITE"S"	MEXICO	3437	123	183	94	18	29
30	LOCAL CHECK		3185	122	181	119	11	35
1	PARULA"S"	MEXICO	3140	117	180	91	37	42
10	MYNA"S"	MEXICO	3111	121	180	89	11	33
18	PAVDN 76	MEXICO	3096	125	186	102	11	35
17	QLL-AUST II 61.157 X CNO-ND/PV	MEXICO	3081	124	184	82	0	34
13	TEETER"S"	MEXICO	3052	120	181	92	40	36
25	JUP-BUY"S"	MEXICO	3022	121	181	97	52	35
24	YAVARDS 79 (DURUM)	MEXICO	2948	124	183	99	15	43
9	VEERY"S"	MEXICO	2948	113	176	96	82	45
27	KOEL"S"	MEXICO	2918	122	180	100	40	41
16	CROW"S"	MEXICO	2874	123	183	86	4	33
22	TRM X KAL-BB	MEXICO	2859	120	183	92	22	38
5	FLN-ACC X ANA	MEXICO	2652	122	182	115	29	37
23	NACQZARI 76	MEXICO	2607	119	179	102	37	33
4	MRS-CDC	MEXICO	2578	122	182	93	44	36
15	VEERY"S"	MEXICO	2400	133	186	91	26	31
7	BAYA"S"	MEXICO	2323	121	181	100	37	39
8	DOVE"S"	MEXICO	2178	115	179	96	93	38
19	BAYA"S"	MEXICO	2133	122	184	94	26	37
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	2089	130	186	85	15	35
26	BUCKBUCK"S"	MEXICO	1985	119	179	84	44	24
20	BUCKBUCK"S"	MEXICO	1911	122	183	86	37	30
GRAND MEAN			2957.5	122.7	182.3	95.9	28.7	35.6
STANDARD ERROR OF GRAND MEAN			98.4			0.2		0.0
COEFFICIENT OF VARIATION AS PC			31.5			1.7		0.0
LSD VARIETY MEANS 5 PC			1526.3			2.6		0.0

## CORRELATIONS

YIELD KG/HA	FLOW DAYS	MAT DAYS	PLNT HT	LODG %	1000 G W.
		0.21			
		0.13	0.92		
		0.31	0.05	0.02	
		-0.36	-0.65	-0.66	-0.02
		0.17	-0.22	-0.16	0.33
					0.23

## P. B. I.

## CEREAL STAFF

LATITUDE	040 38'N	DATE PLANTED	11/11/80	NITROGEN	--
LONGITUDE	022 57'E	DATE HARVESTED	6/ 6/81	PHOSPHORUS	--
ELEVATION	0010 M. ABOVE S. L.	AMOUNT OF MOISTURE	167 MM	POTASSIUM	--

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

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	PLNT HT	1000 G.W.	PROT %
13	TEETER"S"	MEXICO	5154	77	162	206	96	37	10
23	NACQZARI 76	MEXICO	4987	79	160	205	96	38	11
11	HAHN"S"	MEXICO	4961	78	164	206	85	39	12
26	BUCKBUCK"S"	MEXICO	4949	79	163	210	97	40	11
12	HORK-YMH X KAL-BB	MEXICO	4795	76	166	208	95	31	13
20	BUCKBUCK"S"	MEXICO	4795	79	165	207	98	36	11
27	KOEL"S"	MEXICO	4664	80	162	208	93	44	11
8	DOVE"S"	MEXICO	4590	80	161	204	82	40	11
15	VEERY"S"	MEXICO	4538	80	164	206	86	33	10
29	SUNBIRD"S"	MEXICO	4538	78	165	207	86	38	12
3	NEELKANT"S"	MEXICO	4513	74	167	207	92	33	14
18	PAVON 76	MEXICO	4500	82	163	208	93	37	11
22	TRM X KAL-BB	MEXICO	4455	79	161	208	79	41	12
6	BOBWHITE"S"	MEXICO	4290	79	164	209	93	35	11
7	BAYA"S"	MEXICO	4218	79	161	204	93	39	11
30	LOCAL CHECK		4199	76	163	209	101	35	11
4	HRS-CDC	MEXICO	4128	77	163	207	82	35	12
19	BAYA"S"	MEXICO	4115	80	160	204	98	41	11
17	QLL-AUST II 61.157 X CND-NO/PV	MEXICO	4077	78	162	206	86	30	12
28	CROW"S"	MEXICO	4077	78	161	207	87	39	11
21	BOBWHITE"S"	MEXICO	3974	81	165	210	97	35	11
1	PARULA"S"	MEXICO	3949	78	161	206	88	39	12
5	FLN-ACC X ANA	MEXICO	3942	75	163	205	95	34	11
25	JUP-BJY"S"	MEXICO	3859	78	161	205	84	37	13
9	VEERY"S"	MEXICO	3814	78	160	208	94	46	12
24	YAVARDS 79 (DURUM)	MEXICO	3731	79	163	204	87	43	12
16	CROW"S"	MEXICO	3679	78	162	205	85	38	11
2	BOBWHITE"S"	MEXICO	3384	75	165	207	82	25	13
10	MYNA"S"	MEXICO	3359	79	163	209	86	37	11
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	3269	80	163	207	91	31	13

GRAND MEAN	4248.8	78.3	162.8	206.6	90.2	36.8	11.5
STANDARD ERROR OF GRAND MEAN	55.7	0.1			0.5	0.3	
COEFFICIENT OF VARIATION AS PC	12.4	1.7			5.6	7.7	
LSD VARIETY MEANS 5 PC	863.3	2.1			8.3	4.6	

## CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	PLNT HT	1000 G.W.	PROT %
	0.06					
	0.10	-0.35				
	0.04	0.05	0.43			
	0.30	0.04	0.08	0.27		
	0.21	0.42	-0.59	-0.13	0.07	
	-0.35	-0.55	0.40	0.02	-0.35	-0.37

## NATIONAL PLANT BREEDING STATION ALENTEJO

## CEREAL STAFF

LATITUDE 038 53'N

DATE PLANTED 11/20/80

11/20/80

NITROGEN

APPLIED

LONGITUDE 007 09'W

DATE HARVESTED 6/26/81

6/26/81

PHOSPHORUS

APPLIED

ELEVATION +00208 M. ABOVE S. L.

AMOUNT OF MOISTURE 220 MM

220 MM

POTASSIUM

APPLIED

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION POOR

NEGLECTIBLE DISEASE DEVELOPMENT. SLIGHT INSECT DAMAGE.

SLIGHT WEED PROBLEM. SLIGHT BIRD DAMAGE. HAND WEEDING.

LOCAL CHECK: ANZA

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	PLNT HT	LODG %
8	DOVE"S"	MEXICO	4590	84	131	198	86	10
12	HORK-YMH X KAL-BB	MEXICO	4346	85	133	198	90	12
11	HAIN"S"	MEXICO	4045	83	132	199	86	10
10	MYNA"S"	MEXICO	3948	84	133	200	94	20
18	PAVDN 76	MEXICO	3886	85	131	198	93	17
30	LOCAL CHECK		3741	85	132	200	83	15
15	VEERY"S"	MEXICO	3710	83	133	199	85	13
2	BOBMHITE"S"	MEXICO	3646	84	129	201	85	13
27	KOEL"S"	MEXICO	3602	85	132	200	89	13
26	BUCKBUCK"S"	MEXICO	3399	83	132	199	88	18
19	BAYA"S"	MEXICO	3272	84	129	199	95	18
7	BAYA"S"	MEXICO	3235	83	133	199	96	15
5	FLN-ACC X ANA	MEXICO	3225	81	132	199	93	30
1	PARULA"S"	MEXICO	3202	84	125	201	75	13
29	SUNBIRD"S"	MEXICO	3181	84	131	199	79	8
24	YAVAROS 79 (DURUM)	MEXICO	3040	83	138	201	81	20
28	CROW"S"	MEXICO	2992	83	128	197	83	12
21	BOBMHITE"S"	MEXICO	2964	83	132	202	86	15
25	JUP-BJY"S"	MEXICO	2892	84	128	200	86	15
22	TRM X KAL-BB	MEXICO	2839	85	126	199	71	12
3	NEELKANT"S"	MEXICO	2780	83	137	199	90	10
6	BOBMHITE"S"	MEXICO	2752	83	130	202	86	17
9	VEERY"S"	MEXICO	2699	83	122	198	93	15
16	CROW"S"	MEXICO	2676	82	129	200	81	13
4	MRS-CDC	MEXICO	2593	81	132	198	84	15
13	TEETER"S"	MEXICO	2571	82	127	200	89	15
23	NACAZARI 76	MEXICO	2524	83	129	200	88	13
17	QLL-AUST II 61.157 X CND-ND/PV	MEXICO	2268	84	129	200	80	12
20	BUCKBUCK"S"	MEXICO	2216	83	135	200	89	18
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	1906	84	134	199	87	12

GRAND MEAN	3156.6	83.4	130.8	199.4	86.3	14.7
STANDARD ERROR OF GRAND MEAN	82.3	0.1			0.6	
COEFFICIENT OF VARIATION AS PC	24.7	1.0			6.7	
LSD VARIETY MEANS 5 PC	1276.9	1.3			9.5	

## CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	PLNT HT	LODG %
	0.40				
	0.13	-0.07			
	-0.23	0.00	0.07		
	0.18	-0.16	0.24	-0.23	
	-0.04	-0.39	0.16	0.17	0.42

## JEREZ

## CEREAL STAFF

LATITUDE	36 43'N	DATE PLANTED	12/ 4/80	NITROGEN	APPLIED
LONGITUDE	6 06'W	DATE HARVESTED	6/27/81	PHOSPHORUS	--
ELEVATION	21 M. ABOVE S. L.	AMOUNT OF MOISTURE	126 MM	POTASSIUM	--

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION POOR.  
 NEGLIGIBLE DISEASE DEVELOPMENT. NEGLIGIBLE INSECT DAMAGE. MODERATE WEED PROBLEM.  
 SLIGHT BIRD DAMAGE. MECHANICAL CONTROL OF WEEDS. VERY DRY SEASON.  
 LOCAL CHECK: IRENE

VAR NO	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	PLNT HT	1000 G.W.
12	HORK-YMH X KAL-BB	MEXICO	1437	73	109	85	44
2	BOBWHITE"S"	MEXICO	1373	76	108	80	35
13	TEETER"S"	MEXICO	1360	68	106	80	42
7	BAYA"S"	MEXICO	1320	73	110	85	49
30	LOCAL CHECK		1267	75	105	90	44
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	1213	77	107	80	38
27	KDEL"S"	MEXICO	1210	78	108	80	55
18	PAVON 76	MEXICO	1177	75	107	70	38
28	CROW"S"	MEXICO	1150	81	108	80	47
23	NACDZARI 76	MEXICO	1133	74	107	80	38
25	JUP-BJY"S"	MEXICO	1100	74	106	80	42
29	SUNBIRD"S"	MEXICO	1093	73	107	80	40
3	NEELKANT"S"	MEXICO	1023	73	113	85	42
11	MAHN"S"	MEXICO	1013	67	109	80	44
16	CROW"S"	MEXICO	997	71	108	75	44
5	FLN-ACC X ANA	MEXICO	980	73	110	80	46
26	BUCKBUCK"S"	MEXICO	967	79	110	80	44
21	BOBWHITE"S"	MEXICO	945	71	108	85	40
19	BAYA"S"	MEXICO	943	74	107	85	49
17	QLL-AUST II 61.157 X CNO-ND/PV	MEXICO	940	73	106	70	33
1	PARULA"S"	MEXICO	910	71	108	65	43
20	BUCKBUCK"S"	MEXICO	873	72	108	85	37
6	BOBWHITE"S"	MEXICO	862	74	106	80	43
10	MYNA"S"	MEXICO	843	74	108	75	47
8	DOVE"S"	MEXICO	813	73	108	70	45
24	YAVARDS 79 (DURUM)	MEXICO	800	70	110	75	59
9	VEERY"S"	MEXICO	763	75	110	80	45
22	TRM X KAL-BB	MEXICO	680	73	107	70	38
15	VEERY"S"	MEXICO	623	74	110	75	42
4	MRS-COC	MEXICO	330	66	107	75	38

GRAND MEAN	1004.7	73.4	108.0	78.7	42.8
STANDARD ERROR OF GRAND MEAN	38.7				
COEFFICIENT OF VARIATION AS PC	36.5				
LSD VARIETY MEANS 5 PC	599.4				

CORRELATIONS					
YIELD KG/HA					
TEST WT	0.35				
FLOW DAYS	-0.12	0.03			
PLNT HT	0.44	0.16	0.11		
1000 G.W.	0.03	0.10	0.35	0.14	



## MAHISA

## CEREAL STAFF

LATITUDE 037 53'N DATE PLANTED 11/27/80  
 LONGITUDE 004 46'W DATE HARVESTED 7/20/81  
 ELEVATION 0220 M. ABOVE S. L. AMOUNT OF MOISTURE 421 MM

NITROGEN APPLIED  
 PHOSPHORUS APPLIED  
 POTASSIUM APPLIED

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION POOR.  
 SLIGHT DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE.  
 NO WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.  
 MECHANICAL CONTROL OF WEEDS. LOCAL CHECK: ANZA

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	PLNT HT	POWD %
8	DOVE"S"	MEXICO	4906	104	85	4
15	VEERY"S"	MEXICO	4888	105	88	7
13	TEETER"S"	MEXICO	4443	102	88	0
22	TRM X KAL-BB	MEXICO	4203	101	72	7
4	MRS-CDC	MEXICO	4166	102	85	0
30	LOCAL CHECK		4147	102	83	33
12	HORK-YMH X KAL-BB	MEXICO	4128	104	90	33
27	KOEL"S"	MEXICO	4073	104	93	26
25	JUP-BJY"S"	MEXICO	3962	100	85	78
9	VEERY"S"	MEXICO	3869	99	90	0
3	NEELKANT"S"	MEXICO	3832	107	88	37
19	BAYA"S"	MEXICO	3832	104	92	29
23	NACQZARI 76	MEXICO	3814	104	87	44
1	PARULA"S"	MEXICO	3703	97	85	37
20	BUCKBUCK"S"	MEXICO	3647	105	92	44
11	HANN"S"	MEXICO	3647	110	87	0
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	3629	105	88	0
6	BOBWHITE"S"	MEXICO	3555	102	87	7
26	BUCKBUCK"S"	MEXICO	3555	105	92	44
29	SUNBIRD"S"	MEXICO	3499	110	85	0
24	YAVARDG 79 (DURUM)	MEXICO	3443	106	87	18
7	BAYA"S"	MEXICO	3406	104	88	52
5	FLN-ACC X ANA	MEXICO	3314	104	98	48
10	MYNA"S"	MEXICO	3295	103	90	52
2	BOBWHITE"S"	MEXICO	3240	104	88	0
28	CROW"S"	MEXICO	3166	98	82	71
21	BOBWHITE"S"	MEXICO	3147	104	93	0
18	PAVON 76	MEXICO	3147	103	95	18
17	QLL-AUST II 61.157 X CND-ND/PV	MEXICO	2925	101	83	74
16	CROW"S"	MEXICO	2925	100	85	78

GRAND MEAN 3716.9 103.2 87.7 28.1  
 STANDARD ERROR OF GRAND MEAN 70.7 0.4  
 COEFFICIENT OF VARIATION AS PC 18.0 3.8  
 LSD VARIETY MEANS 5 PC 1096.1 5.5

## CORRELATIONS

YIELD KG/HA	FLOW DAYS	PLNT HT	POWD %
	0.06	-0.20	0.29
		-0.42	-0.39
			-0.03

MIVHOR FARM  
(CEREAL STAFF)

LATITUDE 031 37'N DATE PLANTED 11/13/80  
 LONGITUDE 034 47'E DATE HARVESTED 6/ 8/81  
 ELEVATION 0120 M ABOVE S L. AMOUNT OF MOISTURE 365 MM

NITROGEN APPLIED  
 PHOSPHORUS APPLIED  
 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. LOCAL CHECK: SHAFIR(=MAZERAB95)

VAR NO	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	PLNT HT	1000 G. W.
12	HORK-YMH X KAL-BB	MEXICO	7488	80	106	110	33
30	LOCAL CHECK		7435	80	93	103	33
19	BAYA"S"	MEXICO	7212	81	101	110	42
15	VEERY"S"	MEXICO	7166	80	110	100	32
2	BOBWHITE"S"	MEXICO	7120	81	106	98	31
21	BOBWHITE"S"	MEXICO	6758	82	107	107	35
27	KOEL"S"	MEXICO	6752	79	102	107	39
13	TEETER"S"	MEXICO	6693	79	102	105	41
29	SUNBIRD"S"	MEXICO	6686	77	113	103	36
6	BOBWHITE"S"	MEXICO	6673	80	105	103	35
18	PAVON 76	MEXICO	6548	79	102	107	34
23	NACQZARI 76	MEXICO	6529	78	102	107	32
8	DOVE"S"	MEXICO	6384	79	101	90	37
24	YAVARD 79 (DURUM)	MEXICO	6351	79	107	100	44
20	BUCKBUCK"S"	MEXICO	6338	80	105	110	32
26	BUCKBUCK"S"	MEXICO	6312	78	102	105	32
9	VEERY"S"	MEXICO	6207	81	102	110	46
25	JUP-BJV"S"	MEXICO	6148	77	102	103	32
10	MYNA"S"	MEXICO	6141	80	101	110	35
11	HAWN"S"	MEXICO	6135	78	114	100	34
17	OLL-AUST II 61.157 X CND-ND/PV	MEXICO	6010	78	103	102	31
1	PARULA"S"	MEXICO	6010	79	102	102	37
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	5964	81	102	102	31
4	MRS-CDC	MEXICO	5813	79	106	97	38
5	FLN-ACC X ANA	MEXICO	5609	73	109	118	31
22	TRM X KAL-BB	MEXICO	5563	76	102	85	29
7	BAYA"S"	MEXICO	5543	74	102	108	30
16	CROW"S"	MEXICO	5044	74	102	100	29
28	CROW"S"	MEXICO	4965	72	102	98	28
3	NEELKANT"S"	MEXICO	4959	74	118	108	32
GRAND MEAN			6285.1	78.2	104.3	103.6	34.4
STANDARD ERROR OF GRAND MEAN			46.1	0.1		0.3	0.2
COEFFICIENT OF VARIATION AS PC			7.0	1.2		3.0	4.9
LSD VARIETY MEANS 5 PC			715.5	1.5		5.1	2.8

## CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	PLNT HT	1000 G. W.
	0.77			
	-0.19	-0.21		
	0.15	0.04	0.10	
	0.36	0.50	-0.04	0.16

## ICARDA

## CEREAL STAFF

LATITUDE 36 09'N DATE PLANTED 12/11/80  
 LONGITUDE 36 04'E DATE HARVESTED 6/18/81  
 ELEVATION 300 M. ABOVE S. L. AMOUNT OF MOISTURE 371 MM

NITROGEN APPLIED  
 PHOSPHORUS APPLIED  
 POTASSIUM --

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION GOOD.  
 MODERATE DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE.  
 NO WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.  
 CHEMICAL CONTROL OF WEEDS. LOCAL CHECK: 5311-NORTENO

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	PLNT HT	SHTR %
16	CROW"S"	MEXICO	5561	125	162	90	0
2	BOBWHITE"S"	MEXICO	5366	129	163	85	0
12	HORK-YMH X KAL-BB	MEXICO	5344	129	161	90	1
21	BOBWHITE"S"	MEXICO	5277	130	164	90	0
6	BOBWHITE"S"	MEXICO	5127	128	162	90	1
11	HAHN"S"	MEXICO	5055	129	162	85	0
10	MYNA"S"	MEXICO	5033	126	163	90	1
5	FLN-ACC X ANA	MEXICO	5011	127	160	105	8
29	SUNBIRD"S"	MEXICO	5000	127	162	75	1
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	4977	127	161	85	0
28	CROW"S"	MEXICO	4916	123	161	85	0
19	BAYA"S"	MEXICO	4816	123	160	100	2
30	LOCAL CHECK		4811	133	163	95	0
23	NACZARI 76	MEXICO	4733	124	161	100	1
7	BAYA"S"	MEXICO	4705	123	159	90	0
18	PAVON 76	MEXICO	4572	127	163	95	3
3	NEELKANT"S"	MEXICO	4555	129	163	90	0
15	VEERY"S"	MEXICO	4411	128	160	80	0
20	BUCKBUCK"S"	MEXICO	4366	129	164	90	2
26	BUCKBUCK"S"	MEXICO	4205	125	162	85	4
25	JUP-BJY"S"	MEXICO	4188	119	160	90	2
24	YAVAROS 79 (DURUM)	MEXICO	4177	129	168	90	0
27	KOEL"S"	MEXICO	4144	124	161	90	3
22	TRM X KAL-BB	MEXICO	4055	118	159	75	0
17	QLL-AUST II 61.157 X CND-ND/PV	MEXICO	4011	124	162	90	2
1	PARULA"S"	MEXICO	4011	117	159	80	1
13	TEETER"S"	MEXICO	3977	122	160	80	8
8	DOVE"S"	MEXICO	3839	122	159	90	2
4	MRS-CDC	MEXICO	3700	121	159	85	8
9	VEERY"S"	MEXICO	2616	123	159	100	18

GRAND MEAN 4552.0 125.3 161.4 88.8 2.3  
 STANDARD ERROR OF GRAND MEAN 39.8  
 COEFFICIENT OF VARIATION AS PC 8.3  
 LSD VARIETY MEANS 5 PC 617.3

YIELD KG/HA		CORRELATIONS				
FLOW	DAYS	0.53				
MAT	DAYS	0.35	0.70			
PLNT	HT	0.02	0.23	0.08		
SHTR	%	-0.67	-0.26	-0.37	0.33	

EL BAJID  
CEREAL STAFF

LATITUDE 020 32'N DATE PLANTED 12/19/80  
 LONGITUDE 100 49'W DATE HARVESTED 5/26/81  
 ELEVATION 1765 M ABOVE S L AMOUNT OF MOISTURE -- MM

NITROGEN APPLIED  
 PHOSPHORUS APPLIED  
 POTASSIUM --

NORMAL SOWING DATE. SOIL DRY AT SOWING. GERMINATION GOOD.  
 MODERATE DISEASE INCIDENCE. MODERATE INSECT DAMAGE. SLIGHT WEED PROBLEM.  
 NEGLIGIBLE BIRD DAMAGE. CHEMICAL CONTROL OF INSECTS.  
 CHEMICAL CONTROL OF WEEDS. HAND WEEDING. WEATHER NORMAL.

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	STRP RT. L	LEAF RUST	PLNT HT
30	LOCAL CHECK		5783	84	125	0	TR	88
25	JUP-BJY"S"	MEXICO	5537	92	131	20MS	0	85
8	DOVE"S"	MEXICO	5394	88	127	0	0	78
28	CROW"S"	MEXICO	5176	92	137	0	0	88
22	TRM X KAL-BB	MEXICO	5024	92	136	0	0	78
15	VEERY"S"	MEXICO	4973	97	139	0	0	85
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	4963	92	134	0	0	85
24	YAVAROS 79 (DURUM)	MEXICO	4917	87	127	0	0	90
19	BAYA"S"	MEXICO	4848	93	134	0	0	93
26	BUCKBUCK"S"	MEXICO	4838	93	140	0	0	90
23	NACQZARI 76	MEXICO	4709	92	130	10MR	5S	88
18	PAVON 76	MEXICO	4667	92	134	0	0	93
1	PARULA"S"	MEXICO	4644	91	138	0	0	88
10	MYNA"S"	MEXICO	4621	97	140	0	0	85
7	BAYA"S"	MEXICO	4593	94	135	0	0	90
12	HORK-YMH X KAL-BB	MEXICO	4574	98	139	0	0	88
11	HAHN"S"	MEXICO	4496	97	140	0	0	83
16	CROW"S"	MEXICO	4385	92	135	0	0	83
13	TEETER"S"	MEXICO	4301	93	131	0	TR	83
3	NEELKANT"S"	MEXICO	4278	101	140	TR	TR	95
17	QLL-AUST II 61.157 X CND-ND/PV	MEXICO	4148	93	139	0	0	83
27	KOEL"S"	MEXICO	4070	93	138	10S	0	88
20	BUCKBUCK"S"	MEXICO	4061	95	140	0	0	88
29	SUNBIRD"S"	MEXICO	3903	94	139	0	0	78
4	MRS-COC	MEXICO	3866	97	137	0	0	83
9	VEERY"S"	MEXICO	3787	91	126	0	0	98
6	BOBWHITE"S"	MEXICO	3783	95	138	0	0	88
5	FLN-ACC X ANA	MEXICO	3676	99	137	0	0	93
2	BOBWHITE"S"	MEXICO	3662	97	138	0	0	83
21	BOBWHITE"S"	MEXICO	3547	95	138	0	0	88
GRAND MEAN			4507.5	93.2	135.1	1.9	0.4	86.5
STANDARD ERROR OF GRAND MEAN			70.3					0.5
COEFFICIENT OF VARIATION AS PC			14.8					4.7
LSD VARIETY MEANS 5 PC			1089.7					8.3

## CORRELATIONS

YIELD KG/HA	FLOW DAYS	MAT DAYS	STRP RT. L	LEAF RUST	PLNT HT
	-0.59				
	-0.44	0.78			
	0.18	-0.12	-0.15		
	0.12	-0.09	-0.09	0.88	
	-0.15	0.10	-0.12	0.04	0.11

## C. A. E. HERMOSILLO

## CEREAL STAFF

LATITUDE 28 36'N

DATE PLANTED 12/ 3/80

NITROGEN APPLIED

LONGITUDE 111 12'W

DATE HARVESTED 5/25/81

PHOSPHORUS APPLIED

ELEVATION 60 M. ABOVE S. L.

AMOUNT OF MOISTURE 100 MM

POTASSIUM --

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

NEGLECTIBLE DISEASE DEVELOPMENT. NEGLECTIBLE INSECT DAMAGE.

SLIGHT WEED PROBLEM. SLIGHT BIRD DAMAGE.

HAND WEEDING. LOCAL CHECK: MEXICALI C75

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT. L	PLNT HT
15	VEERY"S"	MEXICO	7230	79	106	150	TMR	83
1	PARULA"S"	MEXICO	7188	81	90	148	TMR	80
16	CROW"S"	MEXICO	7098	78	93	146	TMR	83
11	HAHN"S"	MEXICO	7021	79	107	148	TMR	90
24	YAVARDS 79 (DURUM)	MEXICO	6994	83	91	147	TR	93
13	TEETER"S"	MEXICO	6966	77	93	148	30MR	85
12	HORK-YMH X KAL-BB	MEXICO	6959	80	93	148	10MS	93
22	TRM X KAL-BB	MEXICO	6778	81	91	147	10MS	73
8	DOVE"S"	MEXICO	6709	80	91	146	5MR	75
20	BUCKBUCK"S"	MEXICO	6681	77	94	147	10MR	93
18	PAVON 76	MEXICO	6653	80	93	147	20MS	98
17	OLL-AUST II 61.157 X CNO-NO/PV	MEXICO	6612	79	92	148	TMR	93
6	BOBWHITE"S"	MEXICO	6494	81	93	148	TMR	90
10	MYNA"S"	MEXICO	6487	81	93	149	10MR	93
25	JUP-BJY"S"	MEXICO	6466	79	92	146	40S	90
27	KOEL"S"	MEXICO	6466	81	91	147	TMR	95
19	BAYA"S"	MEXICO	6389	78	93	148	20MR	98
5	FLN-ACC X ANA	MEXICO	6348	79	98	149	TMR	95
2	BOBWHITE"S"	MEXICO	6264	79	99	147	TMR	85
28	CROW"S"	MEXICO	6264	78	93	147	10MS	88
23	NACIZARI 76	MEXICO	6237	77	92	147	30S	90
21	BOBWHITE"S"	MEXICO	6223	79	95	147	TMR	95
26	BUCKBUCK"S"	MEXICO	6132	77	92	148	10MR	90
4	HRS-CDC	MEXICO	6098	80	95	147	10MS	80
29	SUNBIRD"S"	MEXICO	6056	79	107	147	10MR	90
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	6049	82	93	148	TMR	93
9	VEERY"S"	MEXICO	6035	81	91	146	TMR	83
7	BAYA"S"	MEXICO	6007	76	93	148	20MS	93
30	LOCAL CHECK		5674	80	89	144	TR	83
3	NEELKANT"S"	MEXICO	5584	73	104	147	20S	95
GRAND MEAN			6472.0	79.1	94.7	147.3	6.6	88.7
STANDARD ERROR OF GRAND MEAN			78.7	0.1				0.4
COEFFICIENT OF VARIATION AS PC			11.5	1.3				3.1
LSD VARIETY MEANS 5 PC			1220.7	1.9				5.7

## CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT. L	PLNT HT
	0.32				
		-0.01	-0.34		
		0.41	-0.04	0.42	
		-0.20	-0.46	-0.08	-0.18
		-0.22	-0.21	0.13	0.34
				0.16	

DAVIS (UNIV. CALIF.)

CEREAL STAFF

LATITUDE	038 32'N	DATE PLANTED	11/ 5/80	NITROGEN	APPLIED
LONGITUDE	121 46'W	DATE HARVESTED	7/ 7/81	PHOSPHORUS	--
ELEVATION	0018 M ABOVE S. L.	AMOUNT OF MOISTURE	883 MM	POTASSIUM	--

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

NEGLECTIBLE DISEASE DEVELOPMENT. SLIGHT INSECT DAMAGE. NORMAL SOWING DATE. U

NEGLECTIBLE BIRD DAMAGE. CHEMICAL CONTROL OF WEEDS. LOCAL CHECK: ANZA

MODERATELY DRY HOT/DRY WINDS NEAR END OF GROWING SEASON

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	PLNT HT	LDDG %	SHTR %	1000 G.W.	SEPT TRIT
15	VEERY"S"	MEXICO	7949	152	195	98	38	1	36	56
30	LOCAL CHECK		7704	155	196	89	22	1	34	56
24	YAVARDS 79 (DURUM)	MEXICO	7564	156	198	94	23	0	53	0
2	BOBWHITE"S"	MEXICO	7228	151	191	92	0	0	32	22
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	7069	149	193	91	2	0	31	56
22	TRM X KAL-BB	MEXICO	6930	149	189	84	2	0	39	67
10	MYNA"S"	MEXICO	6894	157	199	99	5	3	36	78
28	CROW"S"	MEXICO	6768	149	196	92	0	4	39	89
16	CROW"S"	MEXICO	6666	149	197	91	0	2	37	78
21	BOBWHITE"S"	MEXICO	6405	152	190	100	0	1	30	-
19	BAYA"S"	MEXICO	6373	148	193	102	10	1	37	67
1	PARULA"S"	MEXICO	6369	144	189	90	0	5	46	56
29	SUNBIRD"S"	MEXICO	6245	156	194	94	0	2	38	56
7	BAYA"S"	MEXICO	6145	150	192	99	12	1	37	89
12	HORK-YMH X KAL-BB	MEXICO	6045	152	197	102	2	17	33	67
6	BOBWHITE"S"	MEXICO	5882	151	196	97	2	7	36	56
23	NACDZARI 76	MEXICO	5641	151	193	100	3	27	36	78
11	HAMN"S"	MEXICO	5631	156	195	91	0	5	38	67
25	JUP-BJY"S"	MEXICO	5493	147	190	93	22	5	36	89
18	PAVDN 76	MEXICO	5219	153	194	93	3	23	27	33
17	QLL-AUST II 61.157 X CNO-NO/PV	MEXICO	5168	149	192	88	2	10	26	89
3	NEELKANT"S"	MEXICO	5103	157	197	104	0	15	41	67
8	DOVE"S"	MEXICO	4761	149	194	83	0	6	36	100
5	FLN-ACC X ANA	MEXICO	4748	152	193	107	10	30	36	78
13	TEETER"S"	MEXICO	4667	143	184	92	7	27	38	89
4	HRS-CDC	MEXICO	4312	149	189	89	0	30	41	78
27	KOEL"S"	MEXICO	3906	148	191	100	2	30	44	78
20	BUCKBUCK"S"	MEXICO	3426	153	196	99	2	47	33	56
9	VEERY"S"	MEXICO	2656	149	187	103	28	45	45	89
26	BUCKBUCK"S"	MEXICO	2248	150	196	99	7	57	31	78

GRAND MEAN	5707.2	150.9	193.2	95.1	6.7	13.3	36.7	67.7
STANDARD ERROR OF GRAND MEAN				65.0			0.3	
COEFFICIENT OF VARIATION AS PC				10.8			3.1	
LSD VARIETY MEANS 5 PC	1007.5						4.8	

## CORRELATIONS

YIELD KG/HA									
FLOW DAYS	0.23								
MAT DAYS	0.28	0.71							
PLNT HT	-0.28	0.26	0.18						
LDDG %	0.13	0.05	-0.03	0.22					
SHTR %	-0.90	-0.14	-0.17	0.40	0.00				
1000 G.W.	0.03	-0.04	-0.10	0.06	0.25	-0.03			
SEPT TRIT	-0.45	-0.43	-0.30	0.03	-0.11	0.25	-0.14		

## KLAMATH FALLS

## CEREAL STAFF

LATITUDE	042 15'N	DATE PLANTED	4/23/81	NITROGEN	APPLIED
LONGITUDE	121 48'W	DATE HARVESTED	9/ 4/81	PHOSPHORUS	--
ELEVATION	+01235 M. ABOVE S. L.	AMOUNT OF MOISTURE	250 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.  
 WEATHER NORMAL. LOCAL CHECK: FIELDWIN

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	PLNT HT
12	HORK-VMH X KAL-BB	MEXICO	8994	81	90
30	LOCAL CHECK		8664	81	100
26	BUCKBUCK"S"	MEXICO	8343	79	90
15	VEERY"S"	MEXICO	8093	81	85
24	YAVARDS 79 (DURUM)	MEXICO	7753	80	80
18	PAVON 76	MEXICO	7594	82	95
9	VEERY"S"	MEXICO	7591	80	85
5	FLN-ACC X ANA	MEXICO	7569	76	95
2	BOBWITE"S"	MEXICO	7537	84	80
21	BOBWITE"S"	MEXICO	7489	81	85
11	HAHN"S"	MEXICO	7461	80	85
29	SUNBIRD"S"	MEXICO	7458	82	85
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	7316	81	80
28	CROW"S"	MEXICO	7290	79	85
6	BOBWITE"S"	MEXICO	7241	82	90
1	PARULA"S"	MEXICO	7237	81	80
25	JUP-BJY"S"	MEXICO	7224	81	80
7	BAYA"S"	MEXICO	7220	79	90
8	DOVE"S"	MEXICO	7159	80	75
3	NEELKANT"S"	MEXICO	7122	80	95
10	MYNA"S"	MEXICO	7108	82	85
17	QLL-AUST II 61.157 X CND-ND/PV	MEXICO	7094	79	85
4	MRS-COC	MEXICO	7077	80	80
16	CROW"S"	MEXICO	7002	80	85
19	BAYA"S"	MEXICO	6966	80	90
13	TEETER"S"	MEXICO	6798	77	90
23	NACQZARI 76	MEXICO	6330	80	95
20	BUCKBUCK"S"	MEXICO	6327	79	90
22	TRM X KAL-BB	MEXICO	6207	81	70
27	KOEL"S"	MEXICO	6096	80	85
	GRAND MEAN		7312.0	80.2	86.2
	STANDARD ERROR OF GRAND MEAN		114.2		
	COEFFICIENT OF VARIATION AS PC		14.8		
	LSD VARIETY MEANS 5 PC		1771.5		

CORRELATIONS					
YIELD KG/HA	TEST WT	PLNT HT			
			0.15		
			0.28	-0.25	

PALDTINA  
CEREAL STAFF

LATITUDE	24 17'S	DATE PLANTED	4/ 7/81	NITROGEN	APPLIED
LONGITUDE	53 26'W	DATE HARVESTED	8/21/81	PHOSPHORUS	APPLIED
ELEVATION	300 M. ABOVE S. L.	AMOUNT OF MOISTURE	175 MM	POTASSIUM	APPLIED

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

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	LEAF RUST	STEM RUST	PLNT HT	LDDG %	1000 G. W.
4	MRS-CDC	MEXICO	3294	78	69	113	TMR	0	80	-	34
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	3027	80	43	113	0	0	65	-	32
18	PAVON 76	MEXICO	2958	79	53	113	TMR-MS	TMR	85	-	32
13	TEETER"S"	MEXICO	2928	75	48	113	5MR	TMR	80	-	32
9	VEERY"S"	MEXICO	2919	79	44	113	0	TMR	70	5	29
23	NACQZARI 76	MEXICO	2909	77	44	113	TMR	TS	75	-	32
7	BAYA"S"	MEXICO	2869	76	47	113	TMR-MS	5S	75	5	31
25	JUP-BJY"S"	MEXICO	2859	76	53	113	TMR	TS	75	-	28
10	MYNA"S"	MEXICO	2770	80	45	113	TMR	TS	70	-	34
19	BAYA"S"	MEXICO	2681	78	45	113	5MR	5S	75	-	34
8	DOVE"S"	MEXICO	2651	78	46	113	TMR	TMR	70	-	38
3	NEELKANT"S"	MEXICO	2642	79	72	123	TMR	0	80	-	32
24	YAVARDS 79 (DURUM)	MEXICO	2622	79	71	123	0	0	75	-	43
27	KOEL"S"	MEXICO	2622	77	46	113	0	TS	70	5	36
17	OLL-AUST II 61.157 X CND-ND/PV	MEXICO	2612	76	58	113	0	0	85	-	37
11	HAIN"S"	MEXICO	2562	78	80	123	0	0	75	-	39
30	LOCAL CHECK		2562	78	54	113	TMR	TMR-MS	75	-	30
22	TRM X KAL-BB	MEXICO	2533	76	48	113	5MR	TMS-S	70	-	29
20	BUCKBUCK"S"	MEXICO	2513	78	48	113	0	5S	80	5	34
12	HORK-YMH X KAL-BB	MEXICO	2473	77	60	113	TMR	0	85	-	27
15	VEERY"S"	MEXICO	2473	78	44	113	0	0	85	-	32
29	SUNBIRD"S"	MEXICO	2424	82	79	123	0	0	70	-	39
1	PARULA"S"	MEXICO	2355	76	54	113	TMR	0	75	-	31
2	BOBWHITE"S"	MEXICO	2295	78	55	113	0	0	75	-	32
28	CROW"S"	MEXICO	2266	74	43	113	0	TS	70	-	32
26	BUCKBUCK"S"	MEXICO	2216	77	45	113	TMR	TMS	75	20	37
6	BOBWHITE"S"	MEXICO	2127	78	55	113	0	0	75	-	32
21	BOBWHITE"S"	MEXICO	2078	78	59	113	0	0	80	-	32
16	CROW"S"	MEXICO	2058	73	48	113	0	TS	75	-	30
5	FLN-ACC X ANA	MEXICO	1494	71	70	113	TMR	TMS	85	-	28
GRAND MEAN			2559.7	77.3	54.2	114.3	0.4	0.9	76.0	8.0	32.9
STANDARD ERROR OF GRAND MEAN			28.9	0.2							
COEFFICIENT OF VARIATION AS PC			10.7	2.2							
LSD VARIETY MEANS 5 PC			448.3	2.8							

YIELD KG/HA		CORRELATIONS									
TEST	WT	0.48									
FLOW	DAYS	-0.18	0.16								
MAT	DAYS	0.00	0.40	0.76							
LEAF	RUST	0.27	-0.14	-0.27	-0.18						
STEM	RUST	0.04	-0.15	-0.34	-0.23	0.42					
PLNT	HT	-0.19	-0.29	0.29	-0.07	0.02	-0.04				
LDDG	%	-0.64	-0.10	-0.05	0.00	-0.19	-0.53	0.10			
1000	G. W.	0.12	0.44	0.33	0.57	-0.17	-0.08	-0.19	0.54		



QUILAMAPU  
CEREAL STAFF

LATITUDE 036 34'S DATE PLANTED 9/17/80  
LONGITUDE 072 06'W DATE HARVESTED ---/---/---  
ELEVATION 0144 M. ABOVE S. L. AMOUNT OF MOISTURE 177 MM

NITROGEN APPLIED  
PHOSPHORUS APPLIED  
POTASSIUM ---

LATE SOWING DATE. SOIL MOIST AT SOWING. GERMINATION GOOD.  
MODERATE DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE.  
NO WEED PROBLEM. NEGLIGIBLE BIRD DAMAGE.  
CHEMICAL CONTROL OF WEEDS. LOCAL CHECK NAME NOT REPORTED.

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	STRP RT. L	LEAF RUST	PLNT HT
17	QLL-AUST II 61.157 X CND-ND/PV	MEXICO	5230	78	72	TS	0	78
3	NEELKANT"S"	MEXICO	5063	78	76	0	5MS	83
25	JUP-BJY"S"	MEXICO	5063	81	69	0	0	75
13	TEETER"S"	MEXICO	4980	79	71	TMR	0	73
23	NACQZARI 76	MEXICO	4730	79	66	10MS	0	75
11	HAHN"S"	MEXICO	4723	78	74	0	0	72
5	FLN-ACC X ANA	MEXICO	4632	78	74	5MS	0	83
12	HORK-YMH X KAL-BB	MEXICO	4521	81	73	0	0	75
20	BUCKBUCK"S"	MEXICO	4514	79	73	0	0	80
29	SUNBIRD"S"	MEXICO	4486	78	75	0	0	70
9	VEERY"S"	MEXICO	4438	77	65	TMR	5MS	73
30	LOCAL CHECK		4424	79	77	TR	0	88
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	4424	80	69	60MS	5MS	73
7	BAYA"S"	MEXICO	4396	78	69	0	0	78
16	CROW"S"	MEXICO	4348	78	65	0	0	72
10	MYNA"S"	MEXICO	4306	79	69	TR	0	72
8	DOVE"S"	MEXICO	4271	78	67	0	5MS	65
26	BUCKBUCK"S"	MEXICO	4230	79	70	0	5MR	80
15	VEERY"S"	MEXICO	4209	80	73	TR	0	80
18	PAVON 76	MEXICO	4070	79	69	5MR	0	83
21	BOBWHITE"S"	MEXICO	4056	80	73	0	0	80
24	YAVAROS 79 (DURUM)	MEXICO	4028	78	62	0	0	70
2	BOBWHITE"S"	MEXICO	3986	79	71	TMR	0	68
27	KDEL"S"	MEXICO	3938	79	68	5MS	5MS	72
6	BOBWHITE"S"	MEXICO	3903	80	71	5MS	0	75
28	CROW"S"	MEXICO	3709	77	67	0	0	73
19	BAYA"S"	MEXICO	3702	79	67	0	5MR	78
22	TRM X KAL-BB	MEXICO	3584	77	66	TR	0	57
1	PARULA"S"	MEXICO	3514	77	69	20MR	0	73
4	MRS-CDC	MEXICO	3056	76	73	0	5MS	70
GRAND MEAN			4284.4	78.6	70.1	2.8	1.6	74.9
STANDARD ERROR OF GRAND MEAN			105.4	0.2				0.4
COEFFICIENT OF VARIATION AS PC			23.3	2.7				5.6
LSD VARIETY MEANS 5 PC			1634.0	3.5				6.8

## CORRELATIONS

YIELD KG/HA	TEST WT	FLOW DAYS	STRP RT. L	LEAF RUST	PLNT HT
	0.38				
	0.28	0.20			
	-0.01	0.18	-0.09		
	-0.04	0.02	-0.03	-0.01	
	0.35	0.35	0.50	-0.07	-0.09

STA CATALINA  
CEREAL STAFF

LATITUDE	000 22'S	DATE PLANTED	1/ 9/81	NITROGEN	APPLIED
LONGITUDE	078 33'W	DATE HARVESTED	8/ 5/81	PHOSPHORUS	APPLIED
ELEVATION	3058 M. ABOVE S. L.	AMOUNT OF MOISTURE	850 MM	POTASSIUM	APPLIED

NORMAL SOWING DATE. SOIL MOIST AT SOWING. GERMINATION % NOT REPORTED.  
SERIOUS DISEASE INCIDENCE. NEGLIGIBLE INSECT DAMAGE. NO WEED PROBLEM.  
NEGLIGIBLE BIRD DAMAGE. LATE SOWING DATE. K  
LOCAL CHECK: ALTAR"S"

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	STRP RT. L	STRP RT. H	PLNT HT
30	LOCAL CHECK		5476	72	85	TR	0	115
29	SUNBIRD"S"	MEXICO	5395	76	88	TR	0	90
11	HAIN"S"	MEXICO	4710	74	89	TR	0	90
13	TEETER"S"	MEXICO	4605	69	77	TR	5	85
18	PAVON 76	MEXICO	4556	75	81	----	10	95
15	VEERY"S"	MEXICO	4395	72	88	TR	0	95
5	FLN-ACC X ANA	MEXICO	3926	70	88	10MR	0	100
22	TRM X KAL-BB	MEXICO	3772	70	78	20MR	10	75
7	BAYA"S"	MEXICO	3679	69	81	TR	5	95
1	PARULA"S"	MEXICO	3550	69	82	20MS	20	85
4	MRS-CDC	MEXICO	3525	72	83	TR	0	100
8	DOVE"S"	MEXICO	3494	73	75	TR	0	85
17	QLL-AUST II 61.157 X CND-ND/PV	MEXICO	3185	68	83	----	40	95
6	BOBWHITE"S"	MEXICO	3142	75	83	TR	0	95
27	KOEL"S"	MEXICO	3050	73	80	TR	0	85
21	BOBWHITE"B"	MEXICO	2951	72	83	TR	0	90
2	BOBWHITE"S"	MEXICO	2926	73	82	TR	0	85
19	BAYA"S"	MEXICO	2766	70	79	TR	0	90
9	VEERY"S"	MEXICO	2729	73	70	TR	0	90
16	CROW"S"	MEXICO	2698	67	77	10MR	30	80
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	2482	73	76	TR	0	85
10	MYNA"S"	MEXICO	2401	66	78	----	20	90
12	HORK-YMH X KAL-BB	MEXICO	2358	64	88	----	20	90
28	CROW"S"	MEXICO	2266	68	78	----	0	85
25	JUP-BJY"S"	MEXICO	1656	62	80	80S	10	85
20	BUCKBUCK"S"	MEXICO	1587	62	83	----	60	90
26	BUCKBUCK"S"	MEXICO	1574	62	81	80MS	70	90
3	NEELKANT"S"	MEXICO	870	57	-	40MS	60	95
24	YAVAROS 79 (DURUM)	MEXICO	726	-	78	TR	0	70
23	NACQZARI 76	MEXICO	420	-	76	100S	100	85

GRAND MEAN	3029.0	69.5	81.0	13.0	15.3	89.5
STANDARD ERROR OF GRAND MEAN	54.5					
COEFFICIENT OF VARIATION AS PC	17.1					
LSD VARIETY MEANS 5 PC	845.6					

## CORRELATIONS

YIELD KG/HA					
TEST WT	0.66				
FLOW DAYS	0.44	0.06			
STRP RT. L	-0.65	-0.62	-0.19		
STRP RT. H	-0.60	-0.65	-0.12	0.84	
PLNT HT	0.44	0.08	0.49	-0.13	-0.05

## Summary for all locations: yield, agronomic and disease data

SUMMARY FOR 02TH ESWYT - 0202

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT.L	STRP RT.H	LEAF RUST	STEM RUST	PLNT HT	LODG %	SHTR %	1000 G.W.	POWD %	SEPT TRIT	PROT %	APHD DMGE
15	VEERY"S"	MEXICO	4837	78	104	156	0	0	0	0	88	26	0	34	7	56	10	-
12	HORK-YMH X KAL-BB	MEXICO	4742	77	104	156	2	20	0	20	92	14	6	34	33	67	13	-
30	LOCAL CHECK		4705	78	98	152	0	0	0	1	91	15	0	36	33	56	11	-
11	HAHN"S"	MEXICO	4639	78	108	158	0	0	0	1	86	5	2	38	0	67	12	-
29	SUNBIRD"S"	MEXICO	4505	79	108	158	1	0	1	0	86	11	1	38	0	56	12	-
18	PAVON 76	MEXICO	4498	80	99	154	4	10	1	1	93	19	9	34	18	33	11	-
13	TEETER"S"	MEXICO	4391	76	97	152	2	5	1	0	88	21	12	38	0	89	10	30
25	JUP-BJY"S"	MEXICO	4366	77	98	153	35	10	4	11	87	21	2	35	78	89	13	-
28	CROW"S"	MEXICO	4338	77	96	153	2	0	0	1	85	10	1	37	71	89	11	-
10	MYNA"S"	MEXICO	4314	78	99	155	3	20	0	15	88	14	1	37	52	78	11	-
7	BAYA"S"	MEXICO	4312	77	98	152	3	5	1	4	92	17	0	38	52	89	11	-
16	CROW"S"	MEXICO	4249	76	96	153	1	30	0	2	83	4	1	35	78	78	11	-
17	OLL-AUST II 61.157 X CND-ND/PV	MEXICO	4249	77	99	155	1	40	14	2	87	5	4	33	74	89	12	-
19	BAYA"S"	MEXICO	4237	78	97	152	1	0	2	4	93	22	1	40	29	67	11	8
2	BOBWHITE"S"	MEXICO	4226	79	101	155	0	0	0	0	84	8	0	31	0	22	13	30
8	DOVE"S"	MEXICO	4223	78	96	151	0	0	1	1	80	26	4	39	4	100	11	20
1	PARULA"S"	MEXICO	4213	77	97	153	8	20	0	1	83	17	2	40	37	56	12	-
22	TRM X KAL-BB	MEXICO	4179	78	96	153	3	10	1	1	75	9	2	35	7	67	12	-
14	TIPP(2)-ANE X INIA/JAR-KVZ	MEXICO	4147	80	98	153	9	0	0	0	85	7	0	34	0	56	13	-
21	BOBWHITE"S"	MEXICO	4138	79	101	155	0	0	0	0	92	16	0	34	0	-	11	13
23	NACZARI 76	MEXICO	4126	78	96	152	33	100	12	7	91	13	11	35	44	78	11	2
6	BOBWHITE"S"	MEXICO	4122	79	100	155	1	0	3	0	89	13	3	36	7	56	11	20
5	FLN-ACC X ANA	MEXICO	4111	75	104	154	1	0	0	5	98	22	13	37	48	78	11	30
3	NEELKANT"S"	MEXICO	4090	75	111	158	9	60	15	8	94	8	5	36	37	67	14	-
24	YAVAROS 79 (DURUM)	MEXICO	4084	79	101	156	0	0	1	21	86	17	0	47	18	0	12	-
26	BUCKBUCK"S"	MEXICO	3982	78	98	154	13	70	6	3	89	17	24	35	44	78	11	20
27	KOEL"S"	MEXICO	3896	79	97	154	1	0	1	2	89	12	11	44	26	78	11	-
20	BUCKBUCK"S"	MEXICO	3880	77	100	155	2	60	4	5	90	15	16	34	44	56	11	2
4	MRS-COC	MEXICO	3794	77	102	154	2	0	0	2	86	14	13	37	0	78	12	10
9	VEERY"S"	MEXICO	3762	79	94	150	0	0	1	0	90	27	23	44	0	89	12	-

SUMMARY MEANS OVER VARIETIES	4245.1	77.8	99.7	154.0	4.5	15.3	2.3	3.9	88.0	14.8	5.6	36.8	28.0	67.7	11.6	16.5
NUMBER OF LOCATIONS FOR EACH VARIABLE	19	11	18	11	6	1	4	4	18	6	3	8	1	1	1	1
NUMBER OF OBSERVATIONS FOR EACH VARIABLE	57	27	39	26	10	1	8	8	40	14	7	18	3	1	3	2

SUMMARY FOR Q2TH ESWT - Region I / Mediterranean, North Africa and Iberia

LOCATIONS: PORTUGAL--ELVAS, SPAIN --CORDOBA

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	PLNT HT	LODC %	POWD %
8	DOVE"S"	MEXICO	4748	84	118	198	86	10	4
15	VEERY"S"	MEXICO	4299	83	119	199	87	13	7
12	HORK-YMH X KAL-BB	MEXICO	4237	85	119	198	90	12	33
30	LOCAL CHECK		3944	85	117	200	83	15	33
11	HAHN"S"	MEXICO	3846	83	121	199	87	10	0
27	KOEL"S"	MEXICO	3838	85	118	200	91	13	26
10	MYNA"S"	MEXICO	3622	84	118	200	92	20	52
19	BAYA"S"	MEXICO	3552	84	117	199	94	18	29
22	TRM X KAL-BB	MEXICO	3521	85	114	199	72	12	7
18	PAVON 76	MEXICO	3517	85	117	198	94	17	18
13	TEETER"S"	MEXICO	3507	82	115	200	89	15	0
26	BUCKBUCK"S"	MEXICO	3457	83	119	199	90	18	44
1	PARULA"S"	MEXICO	3453	84	111	201	80	13	37
2	BOBWHITE"S"	MEXICO	3443	84	117	201	87	13	0
25	JUP-BJY"S"	MEXICO	3427	84	114	200	86	15	78
4	MRS-CDC	MEXICO	3380	81	117	198	85	15	0
29	SUNBIRD"S"	MEXICO	3340	84	121	199	82	8	0
7	BAYA"S"	MEXICO	3321	83	119	199	92	15	52
3	NEELKANT"S"	MEXICO	3306	83	122	199	89	10	37
9	VEERY"S"	MEXICO	3284	83	111	198	92	15	0
5	FLN-ACC X ANA	MEXICO	3270	81	118	199	96	30	48
24	YAVARDS 79 (DURUM)	MEXICO	3242	83	122	201	84	20	18
23	NACAZARI 76	MEXICO	3169	83	117	200	88	13	44
6	BOBWHITE"S"	MEXICO	3154	83	116	202	87	17	7
28	CROW"S"	MEXICO	3079	83	113	197	83	12	71
21	BOBWHITE"S"	MEXICO	3056	83	118	202	90	15	0
20	BUCKBUCK"S"	MEXICO	2932	83	120	200	91	18	44
16	CROW"S"	MEXICO	2801	82	115	200	83	13	78
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	2768	84	120	199	88	12	0
17	GLL-AUST II 61.157 X CNO-NO/PV	MEXICO	2597	84	115	200	82	12	74

SUMMARY MEANS OVER VARIETIES	3436.8	83.4	117.1	199.5	87.0	14.6	28.0
NUMBER OF LOCATIONS FOR EACH VARIABLE	2	1	2	1	2	1	1
NUMBER OF OBSERVATIONS FOR EACH VARIABLE	6	3	6	3	6	3	3

FINAL

## SUMMARY FOR Q2TH ESWT - Region II / North East Africa and Middle East

LOCATIONS: EGYPT --CAIRO SUDAN --KASSALA GREECE--THESSALONIKI ISRAEL--R D SDE-GAT SYRIA --ALEPPO.

VAR NO.	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT	LEAF L	STEM RUST	PLNT HT	LODG %	SHTR %	1000 G.W.	PROT %	APHD DMGE
15	VEERY"S"	MEXICO	5069	80	116	155	0	0	1	89	5	0	33	10	-
12	HORK-YMH X KAL-BB	MEXICO	4980	78	116	158	0	0	39	96	5	1	32	13	-
29	SUNBIRD"S"	MEXICO	4862	78	120	160	0	0	0	85	0	1	38	12	-
11	HANN"S"	MEXICO	4844	78	119	159	0	0	2	88	0	0	38	12	-
6	BOBWHITE"S"	MEXICO	4757	80	113	155	0	0	1	92	5	1	36	11	20
30	LOCAL CHECK		4739	78	110	158	0	0	1	93	10	0	32	11	-
21	BOBWHITE"S"	MEXICO	4720	82	115	158	0	0	1	96	10	0	35	11	13
19	BAYA"S"	MEXICO	4716	81	108	151	0	5	5	96	15	1	39	11	5
18	PAVON 76	MEXICO	4691	81	112	157	0	0	0	95	0	2	35	11	-
2	BOBWHITE"S"	MEXICO	4682	78	114	157	0	0	1	85	0	0	30	13	30
13	TEETER"S"	MEXICO	4681	78	110	154	0	0	1	91	5	4	38	10	30
23	NACDZARI 76	MEXICO	4565	79	109	154	30	35	11	96	0	3	33	11	2
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	4548	81	110	153	0	0	1	89	0	0	32	13	-
27	KOEL"S"	MEXICO	4470	80	109	155	0	0	2	92	0	2	41	11	-
7	BAYA"S"	MEXICO	4447	77	110	150	0	0	4	93	5	0	34	11	-
28	CROW"S"	MEXICO	4412	75	109	153	0	0	1	86	0	0	34	11	-
17	GLL-AUST II 61 157 X CND-ND/PV	MEXICO	4407	78	111	157	0	50	2	91	0	1	32	12	-
16	CROW"S"	MEXICO	4401	76	109	154	0	0	2	88	0	0	34	11	-
20	BUCKBUCK"S"	MEXICO	4377	80	113	158	0	16	2	94	15	1	33	11	2
1	PARULA"S"	MEXICO	4367	79	108	154	0	0	2	86	0	1	39	12	-
8	DOVE"S"	MEXICO	4358	80	108	150	0	0	1	82	0	4	38	11	20
25	JUP-BJY"S"	MEXICO	4317	78	109	155	75	15	21	88	0	1	32	13	-
26	BUCKBUCK"S"	MEXICO	4297	79	111	155	0	19	2	91	0	7	34	11	20
5	FLN-ACC X ANA	MEXICO	4278	74	116	155	0	0	7	101	5	4	33	11	30
10	MYNA"S"	MEXICO	4253	80	110	155	0	0	16	91	0	1	35	11	-
3	NEELKANT"S"	MEXICO	4211	74	120	159	1	60	17	97	0	0	32	14	-
22	TRM X KAL-BB	MEXICO	4141	78	107	155	0	0	2	77	0	3	34	12	-
24	YAVAROS 79 (DURUM)	MEXICO	4097	79	115	159	0	5	12	89	10	0	44	12	-
4	MRS-CDC	MEXICO	3960	78	113	156	0	0	5	87	0	4	37	12	10
9	VEERY"S"	MEXICO	3733	80	108	152	0	0	0	93	10	12	46	12	-
SUMMARY MEANS OVER VARIETIES			4479.3	78.3	111.9	155.4	3.5	6.8	5.2	90.6	3.3	1.6	35.4	11.6	16.5
NUMBER OF LOCATIONS FOR EACH VARIABLE			5	2	5	3	1	1	2	5	1	2	3	1	1
NUMBER OF OBSERVATIONS FOR EACH VARIABLE			15	6	13	7	2	2	5	11	1	4	9	3	2

FINAL

SUMMARY FOR 02TH ESWYT - Region III / Subcontinent

LOCATIONS: BANGLADESH--JOYDEBPUR . PAKISTAN--PUNJAB

VAR NO	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	FLOW DAYS	MAT DAYS	PLNT HT	LODG %	1000 G.W.
12	HORK-YMH X KAL-BB	MEXICO	3993	101	153	93	15	38
3	NEELKANT"S"	MEXICO	3893	107	155	97	22	40
25	JUP-BJY"S"	MEXICO	3772	94	148	90	52	38
21	BOBWHITE"S"	MEXICO	3698	98	150	93	37	33
28	CROW"S"	MEXICO	3692	88	145	86	29	36
6	BOBWHITE"S"	MEXICO	3691	96	149	91	26	35
10	MYNA"S"	MEXICO	3689	93	148	88	11	36
18	PAVON 76	MEXICO	3675	97	149	96	11	35
16	CROW"S"	MEXICO	3622	91	146	82	4	34
13	TEETER"S"	MEXICO	3574	94	146	90	40	38
17	GLL-AUST II 61.157 X CNO-ND/PV	MEXICO	3566	97	151	84	0	36
11	HAHN"S"	MEXICO	3439	108	155	87	4	36
15	VEERY"S"	MEXICO	3306	105	153	88	26	31
4	MRS-COC	MEXICO	3288	98	147	90	44	37
29	SUNBIRD"S"	MEXICO	3270	107	156	95	0	38
14	TIPP(2)-ANE X INIA/JAR-KVZ	MEXICO	3252	97	147	82	15	37
9	VEERY"S"	MEXICO	3232	85	141	88	82	47
30	LOCAL CHECK		3229	87	143	102	11	44
5	FLN-ACC X ANA	MEXICO	3223	99	150	102	29	41
2	BOBWHITE"S"	MEXICO	3124	96	150	84	18	32
1	PARULA"S"	MEXICO	3090	93	148	87	37	42
22	TRM X KAL-BB	MEXICO	2849	93	147	82	22	38
20	BUCKBUCK"S"	MEXICO	2828	94	148	85	37	35
19	BAYA"S"	MEXICO	2780	93	147	89	26	42
27	KOEL"S"	MEXICO	2780	91	146	89	40	47
26	BUCKBUCK"S"	MEXICO	2754	92	146	84	44	33
7	BAYA"S"	MEXICO	2729	93	146	95	37	42
24	YAVARDS 79 (DURUM)	MEXICO	2651	100	152	92	15	44
23	NACQZARI 76	MEXICO	2620	89	145	91	37	36
8	DOVE"S"	MEXICO	2374	87	144	85	93	40

SUMMARY MEANS OVER VARIETIES	3255.9	95.3	148.2	89.3	28.8	37.7
NUMBER OF LOCATIONS FOR EACH VARIABLE	2	2	2	2	1	2
NUMBER OF OBSERVATIONS FOR EACH VARIABLE	6	6	6	6	3	6

FINAL

## SUMMARY FOR 02TH ES4YT - Region IV / Southern Cone

LOCATIONS BRAZIL--PARANA CHILE --CHILLAN, NUBLE

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 %	1000 G.W.
25	JUP-BJY"S"	MEXICO	3961	79	61	113	0	0	1	75	-	28
13	TEETER"S"	MEXICO	3954	77	60	113	1	1	0	77	-	32
17	QLL-AUST I1 61 157 X CND-ND/PV	MEXICO	3921	77	65	113	0	2	0	82	-	37
3	NEELKANT"S"	MEXICO	3853	79	74	123	0	1	0	82	-	32
23	NACDZARI 76	MEXICO	3820	78	55	113	5	2	1	75	-	32
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	3726	80	56	113	51	1	0	69	-	32
9	VEERY"S"	MEXICO	3679	78	55	113	1	2	0	72	5	29
11	HAHN"S"	MEXICO	3643	78	77	123	0	0	0	74	-	39
7	BAYA"S"	MEXICO	3633	77	58	113	0	2	5	77	5	31
10	MYNA"S"	MEXICO	3538	80	57	113	1	1	1	71	-	34
18	PAVON 76	MEXICO	3514	79	61	113	1	1	0	84	-	32
20	BUCKBUCK"S"	MEXICO	3514	79	61	113	0	1	5	80	5	34
12	MORK-YMH X KAL-BB	MEXICO	3497	79	67	113	0	1	0	80	-	27
30	LOCAL CHECK	MEXICO	3493	79	66	113	0	0	1	82	-	30
8	DOVE"S"	MEXICO	3461	78	57	113	0	2	0	68	-	38
29	SUNBIRD"S"	MEXICO	3455	80	77	123	0	3	0	70	-	39
15	VEERY"S"	MEXICO	3341	79	59	113	0	0	0	83	-	32
24	YAVAROS 79 (DURUM)	MEXICO	3325	79	67	123	0	0	0	73	-	43
27	KDEL"S"	MEXICO	3280	78	57	113	2	1	1	71	5	36
26	BUCKBUCK"S"	MEXICO	3223	78	58	113	0	1	1	78	20	37
16	CROW"S"	MEXICO	3203	76	57	113	0	0	1	74	-	30
19	BAYA"S"	MEXICO	3192	79	56	113	0	2	5	77	-	34
4	MRS-COC	MEXICO	3175	77	71	113	1	1	0	75	-	34
2	BOBWHITE"S"	MEXICO	3141	79	63	113	1	0	0	72	-	32
21	BOBWHITE"S"	MEXICO	3067	79	66	113	0	0	0	80	-	32
5	FLN-ACC X ANA	MEXICO	3063	75	72	113	3	0	1	84	-	28
22	TRM X KAL-BB	MEXICO	3059	77	57	113	1	2	1	64	-	29
6	BOBWHITE"S"	MEXICO	3015	79	63	113	3	6	0	75	-	32
28	CROW"S"	MEXICO	2988	76	55	113	0	1	1	72	-	32
1	PARULA"S"	MEXICO	2935	77	62	113	11	1	0	74	-	31
SUMMARY MEANS OVER VARIETIES			3422.1	77.9	62.2	114.3	2.7	0.9	0.8	75.4	8.0	32.9
NUMBER OF LOCATIONS FOR EACH VARIABLE			2	2	2	1	1	2	1	2	1	1
NUMBER OF OBSERVATIONS FOR EACH VARIABLE			6	6	2	1	3	4	1	4	1	1

FINAL

SUMMARY FOR 02TH ESWYT - Region V / Northern Mexico and Southern USA

LOCATIONS MEXICO--SONORA U. S. A. --CALIFORNIA.

VAR NO	VARIETY OR CROSS	ORIGIN	YIELD KG/HA	TEST WT	FLOW DAYS	MAT DAYS	STRP RT L	PLNT HT	LODG %	SHTR %	1000 G.W	SEPT TRIT
15	VEERY"S"	MEXICO	7590	79	129	173	0	91	38	1	36	56
24	YAVAROS 79 (DURUM)	MEXICO	7279	83	124	173	0	94	23	0	53	0
16	CROW"S"	MEXICO	6882	78	121	172	0	87	0	2	37	78
22	TRM X KAL-BB	MEXICO	6854	81	120	168	8	79	2	0	39	67
1	PARULA"S"	MEXICO	6779	81	117	169	0	85	0	5	46	56
2	BOBWHITE"S"	MEXICO	6746	79	125	169	0	89	0	0	32	22
10	MYNA"S"	MEXICO	6691	81	125	174	4	97	5	3	36	78
30	LOCAL CHECK		6689	80	122	170	0	86	22	1	34	56
14	TZPP(2)-ANE X INIA/JAR-KVZ	MEXICO	6599	82	121	171	0	92	2	0	31	56
28	CROW"S"	MEXICO	6516	78	121	172	8	90	0	4	39	89
12	HORK-YMH X KAL-BB	MEXICO	6502	80	123	173	8	98	2	17	33	67
19	BAYA"S"	MEXICO	6381	78	121	171	8	100	10	1	37	67
11	HAHN"S"	MEXICO	6326	79	132	172	0	91	0	5	38	67
21	BOBWHITE"S"	MEXICO	6314	79	124	169	0	98	0	1	30	-
6	BOBWHITE"S"	MEXICO	6188	81	123	172	0	94	2	7	36	56
29	SUNBIRD"S"	MEXICO	6151	79	132	171	4	92	0	2	38	56
7	BAYA"S"	MEXICO	6076	76	122	170	16	96	12	1	37	89
25	JUP-BJY"S"	MEXICO	5980	79	120	168	40	92	22	5	36	89
23	NACDZARI 76	MEXICO	5939	77	122	170	30	95	3	27	36	78
18	PAVON 76	MEXICO	5936	80	123	171	16	96	3	23	27	33
17	GLL-AUST II 61.157 X CNO-ND/PV	MEXICO	5890	79	121	170	0	91	2	10	26	89
13	TEETER"S"	MEXICO	5817	77	118	166	12	89	7	27	38	89
8	DOVE"S"	MEXICO	5735	80	120	170	2	79	0	6	36	100
5	FLN-ACC X ANA	MEXICO	5548	79	125	171	0	101	10	30	36	78
3	NEELKANT"S"	MEXICO	5344	73	131	172	20	100	0	15	41	67
4	MRS-COC	MEXICO	5205	80	122	168	8	85	0	30	41	78
27	KDEL"S"	MEXICO	5186	81	120	169	0	98	2	30	44	78
20	BUCKBUCK"S"	MEXICO	5054	77	124	172	4	96	2	47	33	56
9	VEERY"S"	MEXICO	4346	81	120	167	0	93	28	45	45	89
26	BUCKBUCK"S"	MEXICO	4190	77	121	172	4	95	7	57	31	78

SUMMARY MEANS OVER VARIETIES		6089.6	79.1	122.8	170.3	6.4	92.0	6.8	13.4	36.7	67.7
NUMBER OF LOCATIONS FOR EACH VARIABLE		2	1	2	2	1	2	1	1	1	1
NUMBER OF OBSERVATIONS FOR EACH VARIABLE		6	3	4	4	1	5	3	3	1	1

FINAL





