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The International Opaque-2 Maize Trials (IOMT) constitute one more of the series of international trials coordinated by CIMMYT's Maize Program.

These trials were designed to allow collaborating breeders to have a cross-sectional view of the opaque-2 converted sources of germ-plasm available to them from CIMMYT's maize program as well as from national programs and private seed companies.

To initially test the adaptation of the various materials included in the trials, was also an important part of this cooperative effort.

The trials have been grown over a wide grange of latitudes, climates, fertility conditions, disease and insect complexes, etc. The combined analyses applied to these trials may assist in the comparison of dynamic varietal responses across environments, while also providing a wealth of useful information to other branches of the plant sciences.

Computer capability for such analyses is being developed by CIMMYT.

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RESULTS OF THE THIRD INTERNATIONAL OPAQUE-2 MAIZE TRIALS (IOMT) 1972 - 73

RESULTADOS DEL TERCER ENSAYO INTERNACIONAL DE MAIZ OPACO-2 (IOMT) 1972 - 73

RESULTATS DU TROISIEME ESSAI INTERNATIONAL DE MAÏS OPAQUE-2 (IOMT) 1972 - 73

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La collaboration de tous les participants a été excellente. Le Programme des Nations Unies pour le Développement (PNUD), a fourni les funds pour réaliser cette opération de CIMMYT, dans le cadre du Projet No. 1 UNDP-CIMMYT pour la Recherche et la Formation du Maïs à Haute Teneur en Lysine.

RESULTS OF THE THIRD INTERNATIONAL OPAQUE-2 MAIZE TRIALS (IOMT) (1972-73)

INTRODUCTION

The International Opaque-2 Maize Trials (IOMT) constitute one more of the series of international trials coordinated by CIMMYT's Maize Program.

These trials were designed to allow collaborating breeders to have a cross-sectional view of the opaque-2 converted sources of germ-plasm available to them from CIMMYT's maize program as well as from national programs and private seed companies.

To initially test the adaptation of the various materials included in the trials, was also an important part of this cooperative effort.

The trials have been grown over a wide range of latitudes, climates, fertility conditions, disease and insect complexes, etc. The combined analyses applied to these trials may assist in the comparison of dynamic varietal responses across environments, while also providing a wealth of useful information to other branches of the plant sciences.

Computer capability for such analyses is being developed by CIMMYT.

MATERIALS ENTERED FOR TESTING

Description

Variety No. 1. Comp. Opaco. Composite produced by I.N.T.A., C.C.31, Pergamino Bos. Aires, Argentina

2. Proteina. Produced by I.A.R.I., New Delhi 110012, India.

3. D 17. Same as above

4. D 19. Same as above

5. Rattan. Same as above

6. Shakty. Same as above

7. Thai opaque-2 Comp. I. Composite produced by National Corn Improvement Program, Ministry of Agriculture, Bangkok, Thailand.

8. Ver. 181 x Ant. Gpo. 2. Produced by CIMMYT.

9. Ven. 1 opaco-2. Produced by C.I.A., Maracay, Venezuela.

10. Foremaíz opaco-2. Produced by FOREMAIZ, Araure, Portuguesa, Venezuela.

11. INIA 20 x 19. Produced by I.N.I.A., Chapingo, Mexico.

12. INIA (AC x RD) br2br2. Same as above

13. INIA H-412. Same as above

14. INIA Comp. 412. Same as above

15. ICA 208. Produced by Instituto Colombiano Agropecuario, Apartado Aéreo 7989, Bogotá, Colombia.

16. Agroceres 504. Produced by Sementes Agroceres S.A., Caixa Postal 30.723, Sao Paulo, Brasil.

17. Agroceres 502. Same as above

18. Composite K. Produced by CIMMYT.

19. Thai opaque-2 Comp. See 7 above.

20. Tuxp. x Ant. Gpo. 2. Produced by CIMMYT.

21. CIMMYT opaque-2 Comp. Same as above.

22. Nicarillo. Produced by Ministerio de Agricultura y Ganadería, Apartado 592, Managua, Nicaragua.

23. La Posta. Produced by CIMMYT.

24. Comp. Grano Duro. Same as above.

25. (Mix. 1 x Col. Gpo. 1) ETO Bl. Same as above.

26. Comp. K x La Posta. Same as above.

27. Tuxp. PD(MS)6 - Sel. Am. Same as above.

28. Comp. Bl. Caribe. Same as above.

Data Summarization

Most of the data were statistically analysed and the results are presented in simple tables corresponding to individual test sites.

Some arbitrary adjustments were made to present a more comprehensive summary. Plot yields were adjusted according to the mean number of plants per plot for each particular experiment. Mean plot yields were then converted to kilograms of grain per hectare, to a uniform 15% moisture content and arbitrarily assuming 80% shelling, whenever plot yields were reported in kilograms or pounds of ear corn. When no adjustments were made is indicated in the corresponding tables.

The metric system was used for measurements of plant and ear height, and the data are reported in centimeters.

Disease names were abbreviated as follows: Helminthosporium Spp. (Helm. Spp.); Helminthosporium turcicum (Helm. Turc.); Helminthosporium maydis (Helm. mayd.); Puccinia Spp. (Pucc. Spp.); Puccinia polysora (Pucc. Polys.); Streak virus (Strk. Virus); Ustilago maydis (Ustil. mayd.); Physopella Spp. (Physop. Spp.); Physoderma Spp. (Physod. Spp.); Sclerospora Spp. (Scler. Spp.); Brown stripe downy mildew (B.S.D. Mild.). Scales of measurement indicated as per cent (P.C.), 1 to 5, and number of plants when no other scale is indicated in the tables.

A series of tables are presented in the hope that they will be useful as a general source of information with the due awareness of these limitations.

Tables 1 through 19 correspond to test sites. Table 20 presents the average grain yields arranged in decreasing order for the number of sites indicated in the last column.

RESULTADOS DEL
TERCER ENSAYO INTERNACIONAL DE MAIZ OPACO-2
(IOMT)
1972 - 1973

INTRODUCCION

El Ensayo Internacional de Maíz Opaco - 2 (IOMT) constituye uno más de la serie de ensayos internacionales coordinados por el Programa de Maíz del CIMMYT.

Estos ensayos fueron preparados de manera que los fitomejoradores colaboradores tengan una vista de las numerosas fuentes de germoplasma convertidas a opaco-2 puestas a su disposición por el programa de maíz del CIMMYT, así como fuentes procedentes de programas nacionales y de compañías de semillas comerciales.

La prueba inicial de la adaptación de los diversos materiales incluídos en los ensayos fue también una parte importente de este esfuerzo cooperativo.

Los ensayos se han sembrado en una amplia gama de latitudes, climas, condiciones de fertilidad, complejos de insectos y enfermedades, etc. Los análisis combinados aplicados a estos ensayos pueden ayudar a la compa-

ración de las respuestas varietales dinámicas a través de los distintos ambientes, a la vez que proveer información rica y útil a otras ramas de las ciencias agrícolas.

El CIMMYT desarrolla ahora la competencia de computación que se requiere para tales análisis.

MATERIALES INCLUIDOS EN EL ENSAYO

Descripción

Variedad No. 1. Compuesto opaco. Compuesto producido por el Instituto Nacional de Tecnología Agropecuaria, Pergamino, Buenos Aires, Argentina.

2. Proteína. Producido por el I.A.R.I., Nueva Delhi, India.

3. D17. Igual que el anterior.

4. D19. Igual que el anterior.

5. Rattan. Igual que el anterior

6. Shakty. Igual que el anterior.

7. Thai opaque-2 Comp. I. Compuesto producido por el Programa Nacional de Mejoramiento de Maíz, Ministerio de Agricultura, Bangkok, Tailandia.

8. Ver. 181 x Ant. Gpo. 2. Producido por el CIMMYT

9. Ver. 1 opaco-2. Producido por el Centro de Investigaciones Agronómicas, Maracay, Venezuela.

10. Foremaíz opaco-2. Producido por FOREMAIZ, Araure Portuguesa, Venezuela.

11. INIA 20 x 19. Producido por el Instituto Nacional de Investigaciones Agrícolas, Chapingo, México.

12. INIA (AC x RD) $br_2 x br_2$. Igual que el anterior.

13. INIA H-412. Igual que el anterior.

14. INIA Compuesto 412. Igual que el anterior.

15. ICA 208. Producido por el Instituto Colombiano Agropecuario, Apartado Aéreo 7989, Bogotá, Colombia.

16. Agroceres 504. Producido por Sementes Agroceres, S.A., Caixa Postal 30.723, Sao Paulo, Brasil.

17. Agroceres 502. Igual que el anterior.

18. Compuesto K. Producido por el CIMMYT.

19. Thai opaque-2 Comp. Ver la variedad No. 7.

20. Tuxp x Ant. Gpo. 2. Producido por el CIMMYT.

21. Compuesto CIMMYT opaco-2. Igual que el anterior.

22. Nicarillo. Producido por el Ministerio de Agricultura y Ganadería, Apartado 592, Managua, Nicaragua.

23. La Posta. Producido por el CIMMYT.

24. Compuesto grano duro. Igual que el anterior.

25. (Mix. 1 x Col. Gpo. 1) ETO B_1. Igual que el anterior.

26. Comp K x La Posta. Igual que el anterior.

27. Tuxp. PD (MS)6 - Sel. Am. Igual que el anterior.

28. Comp. Blanco Caribe. Igual que el anterior.

Resúmen de los datos

La mayoría de los datos se analizó estadísticamente y los resultados se presentan en cuadros sencillos que corresponden a los sitios individuales de prueba.

Se hicieron algunos ajustes arbitrarios con el propósito de presentar un resumen más general. Los rendimientos de las parcelas se ajustaron de acuerdo con el número medio de plantas por parcela para cada experimento en particular.

Los rendimientos medios se convirtieron luego a kilogramos de grano por hectárea, a un contenido uniforme siempre que los rendimientos de las parcelas se reportaron en kilos o libras de maíz en mazorca. En los cuadros correspondientes se indica cuando no se hicieron ajustes.

Para las medidas de altura de planta y mazorca se usó el sistema métrico decimal y los datos se dan en centímetros.

Los nombres de las enfermedades se abreviaron como sigue: Helminthosporium Spp. (Helm. Spp.); Helminthosporium turcicum (Helm. Turc.); Helminthosporium maydis (Helm. mayd.); Puccinia Spp. (Pucc. Spp.); Puccinia Polysora (Pucc. Polys.); Virus del rayado del maíz (streak virus, strk. virus); Carbón común (Ustilago maydis, Ustil. mayd.); Roya tropical (Physopella Spp., Physop. Spp.); mancha café (Physoderma Spp., Physod. Spp); Mildiú (Sclerospora Spp., Scler. Spp.); Mildiú rayado café (Brown stripe downy mildew, B.S.D. Mild.). Las escalas de medición se indican con por ciento (P.C.), 1 a 5, y el número de plantas cuando no se usó otra escala se indica en los cuadros.

Se espera que la serie de cuadros aquí presentada constituya una fuente útil de información, pese a sus limitaciones.

Los cuadros del 1 al 9 corresponden a los sitios de prueba. El Cuadro 20 presenta los rendimientos medios de grano en orden decreciente para el número de sitios indicados en la útlima columna.

RESULTATS DU
TROISIEME ESSAI INTERNATIONAL DE MAÏS OPAQUE - 2
(IOMT)
(1972 - 73)

INTRODUCTION

L'essai International de Maïs Opaque-2 est l'un des essais internationaux qu'organise la Division Maïs de CIMMYT.

Il a pour but de permettre aux généticiens participants d'étudier ensemble les versions opaque-2 des germoplasmes de CIMMYT, de programmes nationaux, ou de compagnies privées de production de semences.

Il a aussi pour but d'évaluer l'adaptation des génotypes aux milieux.

L'essai a été réalisé dans des latitudes, climats, fertilités de sols, hasards de maladies et d'insectes tres divers.

L'analyse globale des essais va permettre de comparer les réactions variétales aux divers milieux et de réunir des renseignements scientifiques utiles.

CIMMYT met au point des programmes d'ordinateur pour ces analyses.

LES VARIETES TESTEES

Description

Variétés No. 1. Comp. opaque, produite par INTA, B. P. 31, Pergamino Bos. Aires, Argentina.

2. Protéine, produite par IARI, New Delhi, 110012, Inde.

3. D 17, idem. no. 2.

4. D 19, idem. no. 2.

5. Rattan, idem. no. 2.

6. Shakty, idem. no. 2.

7. Comp. I opaque 2 de Thailande, composite produit par le Programme National d'Amélioration du Maïs, Ministère de l'Agriculture, Bangkok, Thailande.

8. Ver. 181 x Ant. Gpo. 2 produite pour CIMMYT.

9. Ven. I opaque 2, produite par CIA, Moracray, Venezuela.

10. Foremaiz Opaque-2, produite par Foremaiz, Araure, Portuguesa, Venezuela.

11. INIA 20 x 19, produite par INIA, Chapingo, Mexique.

12. INIA (AC x RD) br2br2, idem. no. 11.

13. INIA H-412, idem. no. 11.

14. INIA Comp. 412, idem. no. 11.

15. ICA 208, produite par l'Institut de Recherches Agricoles de Colombie, Boîte Postale 7989, Bogota, Colombie.

16. Agroceres 504, produite par Semences Agroceres, S. A., Boîte Postale 30723, Sao Paulo, Brésil.

17. Agroceres 502, idem. no. 16.

18. Composite K, produit par CIMMYT.

19. Composite opaque-2 de Thailande, idem. no. 7.

20. Tuxp. x Ant. Gpo. 2, produite par CIMMYT.

21. Composite opaque-2 de CIMMYT, idem. no. 20.

22. Nicarillo, produite par le Ministere de l'Agriculture et de l'Elevage, Boîte Postale 592, Managua, Nicaragua.

23. La Posta, produite par CIMMYT.

24. Le Composite à grains vitreux, idem. no. 23.

25. (Mix. 1 x Col. Gpo. 1) Eto Blanco, idem. no. 23.

26. Comp. K x La Posta, idem. no. 23.

27. Tuxp. x PD (SM) 6 - sel. bl., idem. no. 23.

28. Comp. B. Caraibien, idem. no. 23.

Resumé

La plupart des relevées statistiques sont analysées et les résultats présentés dans des tableaux correspondant à chaque site d'expérimentation.

On a eu recours à des ajustements arbitraires mais utiles a une présentation complète des résultats: les rendements parcellaires ont été corrigés en tenant compte du nombre moyen de plantes par parcelle pour un essai donné; les rendements parcellaires moyens ont ensuite été convertis en kg de grain par hectare, à 15% d'humidité et 80% de taux d'égremage, lorsque les récoltes parcellaires ont été données en kg ou en lbs d'épis.

Les rendements non corrigés sont signalés dans les tableaux correspondants.

Les hauteurs de plante et d'insertion de l'épi ont été mesurées en unités métriques et inscrites en cm dans les tableaux.

Les abréviations suivantes ont été adoptées pour la nomenclature des agents pathogéniques: Helminthosporium Spp. (Helm Spp.); Helminthosporium turcicum (Helm. Turc.); Helminthosporium maydis (Helm. mayd.); Puccinia Spp. (Pucc. Spp.); Puccinia polysora (Pucc. Polys.); Streak virus (Strk. Virus.); Ustilago maydis (Ustil. mayd.); Physopella Spp. (Physop. Spp.); Physoderma Spp. (Physod. Spp.); Sclerospora Spp. (Scler. Spp.); Brown stripe downy mildew (B.S.D. Mild).

L'usage d'échelles (pourcentage - P.C. - ou 1 a 5), ou le nombre de plants malades a défaut d'échelle d'observation, est indiqué dans les tableaux.

On espere que les divers tableaux, avec assurément des défauts, seront une source utile de renseignements.

Les tableaux 1 à 19 inclus correspondent aux sites d'essai. Le tableau 20 présente les rendements moyens de grains, par ordre décroissant, pour les sites indiqués dans la dernière colonne.

TABLES

TABLE 1
STATION NAME AND LOCATION. EST.EXP.REG.AGROPECUARIA(INTA),PERGAMINO,ARGENTINA.
COOPERATOR. JORGE CORRENTI.
LATITUDE. 33°56.50'S. LONGITUDE. 60°56.34'W. ELEVATION. 66M.
DATE OF PLANTING. 20 OCTOBER,1972.
DISEASE DEVELOPMENT. USTILAGO MAIDIS.

NO.	VARIETY	GRAIN YIELD	DAYS FLOWER	ROOT LODG (1-5)	NO. PLTS.	NO. EARS
11	INIA 20 X 19	4001.4	73.7	4.0	35.0	31.0
26	COMP K X LA POSTA	3729.1	73.0	3.7	27.0	28.0
6	SHAKTY	3481.9	73.3	4.0	39.0	33.7
19	THAI OPAQUE-2 COMP	3462.2	73.7	4.3	37.0	34.0
13	INIA H-412	3295.4	73.0	4.0	37.7	34.7
2	PROTEINA	3119.6	72.7	3.7	37.3	33.3
15	ICA-206	3082.8	73.3	3.0	34.0	30.0
30	LOCAL NORMAL VARIETY	2930.4	73.0	3.3	37.3	28.0
17	AGROCERES 502	2913.4	73.3	3.7	34.0	28.7
27	TUXP. POINSTO-SEL.AM.	2892.1	73.7	3.3	35.0	30.3
14	INIA COMP 412	2848.9	73.7	4.0	33.0	26.0
25	(MIX.1 X COL.GPC.1)ETO E	2834.7	73.3	5.0	37.3	28.3
16	AGROCERES 504	2682.6	73.7	3.3	34.0	27.0
5	RATTAN	2636.9	73.0	4.0	37.7	27.3
9	VEN. 1 OPACO-2	2628.8	73.3	3.7	37.0	26.7
29	LOCAL 02 VARIETY	2586.1	73.3	4.0	37.7	28.0
21	CIMMYT OPAQUE-2 COMP	2550.6	73.7	4.7	35.7	24.0
28	COMP. EL. CARIBE	2531.0	73.3	2.7	36.7	29.3
20	TUXP. X ANT. GPU. 2	2449.1	73.0	3.3	33.3	29.3
12	INIA (AC X RO) BR2 BR2	2436.8	74.0	3.0	35.7	27.0
18	COMPOSITE K	2424.3	73.7	4.3	33.7	26.3
24	COMP GRANO DURO	2394.8	73.3	3.7	36.7	28.0
7	THAI OPAQUE-2 COMP 1	2373.5	73.0	3.3	30.0	19.7
3	D 17	2355.4	73.0	3.3	29.3	28.7
1	COMP OPACO	2266.2	73.3	4.7	34.3	26.7
10	FOREMAIZ OPACO-2	2265.1	73.7	3.0	27.0	25.3
22	NICARILLO	2172.2	73.3	4.0	34.3	22.7
8	VER. 181 X ANT. GPU. 2	2165.2	72.7	3.3	37.7	27.7
23	LA POSTA	1987.6	73.3	2.3	36.7	28.3
4	D 19	1752.0	72.7	3.7	38.3	26.3
	MEANS	2708.4	73.3	3.7	35.0	28.1
	LSD(.05)	1504.9				
	C.V.	33.7				

TABLE 2
STATION NAME AND LOCATION. E.S.A.L.Q., PIRACICABA, SP, BRAZIL.
COOPERATOR. E.PATERMIANI.
LATITUDE. 23DG.S. LONGITUDE. 48DG.W.
DATE OF PLANTING. 20 OCTOBER, 1972.
PRECIPITATION DURING CYCLE OF TEST. 650MM.
(YIELD NOT ADJUSTED FOR MOISTURE CONTENT)

NO.	VARIETY	GRAIN YIELD
6	SHAKTY	3665.9
17	AGROCERES 502	3550.8
25	(MIX.1 X COL.GPC.1)ETC B	3549.7
9	VEN. 1 OPACO-2	3547.5
26	COMP K X LA POSTA	3506.8
16	AGROCERES 504	3451.8
28	COMP. DL. CARIBE	3407.5
30	LOCAL NORMAL VARIETY	3400.6
11	INIA 20 X 19	3371.0
19	THAI OPAQUE-2 COMP	3333.6
27	TUXP. PD(MS)6-SELO.AM.	3237.4
1	COMP OPACO	3114.4
13	INIA H-412	3064.5
22	NICARILLO	3021.4
20	TUXP. X ANT. GPO. 2	3009.4
12	INIA (AC X KD) BR2 BR2	3007.9
2	PROTEINA	2932.8
15	ICA-206	2926.0
4	D 19	2911.0
3	D 17	2883.7
29	LOCAL G2 VARIETY	2739.3
24	COMP GRANO DURO	2738.3
7	THAI OPAQUE-2 COMP I	2737.3
8	VER. 181 X ANT. GPO. 2	2698.8
5	RATTAN	2698.1
14	INIA COMP 412	2678.1
23	LA POSTA	2621.2
10	FOREMAIZ OPACO-2	2547.3
21	CIMMYT OPAQUE-2 COMP	2322.6
18	COMPOSITE K	1785.3
	MEANS	3015.6
	LSD(.05)	1499.8
	C.V.	30.1

TABLE 3
STATION NAME AND LOCATION. LA PLATINA, I.N.I.A., SANTIAGO, CHILE.
COOPERATORS. ISMAEL PARKER, ORLANDO PARATORI.
LATITUDE. 33DG.30'S. LONGITUDE. 70DG.30'W. ELEVATION. 45CM.
DATE OF PLANTING. 23 OCTOBER, 1972.
PRECIPITATION DURING CYCLE OF TEST. 30MM.
AMOUNT OF IRRIGATION APPLIED. 9 IRRIGATIONS.
FERTILIZER USED. N-P 184-120 KG/HA.
CLIMATIC CONDITIONS DURING TEST. RAIN AFTER PLANTING CAUSED STAND LOSSES.

NO.	VARIETY	GRAIN YIELD	DAYS FLOWER	PLANT HT.	EAR HT.	STALK LODG.	NO. PLTS.	NO. EARS	ROT. EARS
25	(MIX.1 X COL.GPO.1)ETO B	5861.2	33.3	233.3	106.7	12.7	33.3	34.7	13.0
11	INIA 20 X 19	5405.8	42.3	313.3	176.7	9.7	28.7	31.0	10.3
22	NICARILLO	5282.3	47.3	330.0	190.0	16.0	30.3	31.0	9.7
19	THAI OPAQUE-2 COMP	5014.2	29.7	286.7	146.7	23.0	29.0	31.3	14.7
8	VEN. 261 X ANT. GPO. 2	4964.4	44.7	306.7	163.3	24.0	30.7	34.0	15.0
9	VEN. 1 OPACO-2	4842.3	48.3	330.0	176.7	7.7	27.7	29.3	10.7
17	AGROCERES 502	4834.2	48.3	346.7	196.7	21.0	25.3	26.7	9.0
3	D 17	4806.0	46.0	320.0	183.3	15.7	24.3	27.0	9.0
14	INIA COMP 412	4804.5	39.3	286.7	146.7	17.3	29.3	32.0	16.7
30	LOCAL NORMAL VARIETY	4754.1	41.3	194.7	133.3	17.5	25.0	28.7	13.7
6	SHANTY	4601.1	43.7	323.3	173.3	13.0	26.3	28.7	11.7
5	RATTAN	4596.1	42.3	313.3	170.0	21.0	28.0	28.0	8.7
28	COMP. BL. CARIBE	4553.4	52.3	210.0	330.7	12.5	44.3	44.0	40.7
20	TUXP. X ANT. GPO. 2	4484.1	46.0	330.0	186.7	13.7	24.0	27.7	9.7
18	COMPOSITE K	4473.6	40.3	323.3	183.3	27.3	29.3	29.7	13.3
16	AGROCERES 504	4435.6	45.7	310.7	180.0	17.7	24.0	26.3	6.3
21	CIMMYT OPAQUE-2 COMP	4289.5	39.7	303.3	163.3	21.7	27.0	30.0	9.0
2	PROTEINA	4271.6	40.3	300.0	150.0	20.7	27.0	28.0	10.7
4	D 19	4264.3	49.3	330.0	173.3	21.0	27.0	28.3	10.0
15	ICA-208	4231.4	43.7	343.3	175.0	13.7	23.7	25.0	10.7
13	INIA H-412	4106.0	46.7	293.3	163.3	13.7	25.7	28.0	11.3
23	LA POSTA	4061.3	50.7	330.0	203.3	8.3	29.3	30.0	14.3
27	TUXP. PO(MS)6-SEL.AM.	4034.3	44.3	300.0	160.0	21.0	23.3	25.7	8.3
1	COMP OPACO	3956.0	41.3	303.3	153.3	21.7	30.3	30.7	15.7
24	COMP GRANO DURO	3911.5	52.7	316.7	176.7	7.7	29.0	27.3	14.3
26	COMP K X LA POSTA	3525.6	49.3	310.0	156.7	8.0	20.7	26.0	14.0
29	LOCAL DZ VARIETY	3465.3	40.3	182.0	126.7	10.0	30.3	31.0	20.7
7	THAI OPAQUE-2 COMP I	3431.8	51.0	306.7	163.3	24.0	25.7	25.7	11.0
12	INIA (AC X RD) BR2 BR2	3379.4	51.3	280.0	140.0	13.5	22.3	22.3	10.7
10	FOREMAIZ OPACO-2	2985.4	52.0	320.0	180.0	17.0	20.3	18.3	6.7
	MEANS	4387.5	44.8	299.4	171.6	16.3	27.4	28.9	12.6
	LSD(.05)	1967.2							
	C.V.	27.2							

TABLE 4
STATION NAME AND LOCATION. C.I.A.T,PALMIRA,COLOMBIA.
COOPERATOR. C.A.FRANCIS.
LATITUDE. 3DG.32'N. LONGITUDE. 76DG.17'W. ELEVATION. 1006M.
DATE OF PLANTING. 11 OCTOBER,1972.
PRECIPITATION DURING CYCLE OF TEST. 310MM.
AMOUNT OF IRRIGATION APPLIED. 5 IRRIGATIONS.
FERTILIZER USED. BORAX-ZINC SULPHATE,25-50KG/HA. 10-30-10,300KG/HA.UREA 200KG/HA
CLIMATIC CONDITIONS DURING TEST. SEVERE DROUGHT.
DISEASE DEVELOPMENT. SOME HELMINTH., RUST AND VIRUS.

NO.	VARIETY	GRAIN YIELD	DAYS FLOWER	HELM. TURC. (1-5)	PUCC. SPP. (1-5)	PLANT HT.	EAR HT.	ROOT LODG (PC)	STALK LODG. (PC)	NO. PLTS.	NO. EARS	ROT. EARS (1-5)
29	LOCAL 02 VARIETY	3078.3	73.3	1.3	1.3	238.7	132.0	20.0	15.0	33.0	34.7	2.0
19	THAI OPAQUE-2 COMP	2913.4	74.0	1.3	1.7	221.0	130.3	7.5	32.5	34.7	34.0	2.7
26	COMP K X LA POSTA	2556.1	71.7	1.3	1.7	237.0	123.7	0.0	18.3	32.3	31.3	3.3
24	COMP GRANO DURO	2336.2	73.7	1.0	2.0	237.0	124.7	12.5	18.3	32.7	29.7	2.7
11	INIA 20 X 19	2198.8	72.0	1.7	1.3	221.0	118.0	15.0	32.5	30.0	28.0	2.7
9	VEN. 1 OPACO-2	2171.3	74.0	1.0	1.3	228.3	128.7	10.0	8.3	32.7	31.3	2.3
16	AGROCERES 504	2171.3	73.0	1.7	1.3	224.3	114.7	5.0	10.0	27.0	26.7	2.7
27	TUXP. PO(MS)6-SEL.AM.	2116.3	71.0	1.3	1.3	239.3	131.7	0.0	23.3	30.0	28.0	2.7
18	COMPOSITE K	2088.8	72.7	1.3	1.3	230.0	128.7	20.0	27.5	28.3	26.7	3.3
2	PROTEINA	2088.8	69.7	1.3	1.3	188.3	108.3	5.0	23.3	32.3	30.7	3.3
14	INIA COMP 412	2061.3	69.7	1.7	2.3	219.3	120.3	10.0	55.0	30.0	27.3	3.0
28	COMP. DL. CARIBE	2033.9	72.3	1.3	1.3	238.3	134.0	12.5	15.0	28.0	28.7	3.3
22	NICARILLO	2006.4	72.3	1.3	1.7	255.7	147.7	15.0	15.0	30.3	26.0	2.7
25	(MIX.1 X COL.GPC.1)ETO B	2006.4	70.3	1.7	1.3	221.7	123.3	0.0	15.0	29.0	26.0	2.7
12	INIA (AC X RD) BR2 BR2	1841.5	75.0	1.0	1.3	202.0	98.0	7.5	7.5	28.3	23.0	2.7
20	TUXP. X ANT. GPO. 2	1814.0	72.3	1.7	1.7	219.3	120.0	10.0	32.5	29.3	24.7	2.7
13	INIA H-412	1786.5	70.3	1.3	2.0	227.3	117.3	12.5	22.5	26.0	22.7	3.0
23	LA POSTA	1786.5	75.0	1.7	1.7	231.7	140.0	5.0	11.7	30.7	25.0	3.3
30	LOCAL NORMAL VARIETY	1786.5	72.0	1.7	1.3	214.0	118.7	10.0	12.5	23.3	25.3	2.3
3	D 17	1731.5	73.3	1.7	1.7	203.3	122.0	7.5	25.0	22.3	26.3	2.7
1	COMP OPACO	1679.3	69.0	1.7	1.7	200.0	105.0	0.0	20.0	23.3	24.0	3.0
21	CIMMYT OPAQUE-2 COMP	1621.6	68.7	2.0	2.0	215.0	112.7	0.0	30.0	28.3	23.3	3.0
17	AGROCERES 502	1594.1	73.0	1.3	1.3	229.7	126.3	8.3	17.5	26.3	25.3	2.7
15	ICA-208	1539.1	71.3	1.7	2.0	225.0	122.7	5.0	37.5	27.7	24.3	3.0
4	D 19	1456.7	73.7	1.3	1.3	227.0	126.0	0.0	20.0	30.3	21.3	3.0
8	VER. 181 X ANT. GPO. 2	1401.7	72.7	1.0	1.3	207.7	112.3	0.0	22.5	27.0	27.7	3.7
5	KATTAN	1374.2	73.0	1.7	1.7	203.7	102.7	10.0	30.0	30.7	23.0	3.3
10	FOREMAIZ OPACO-2	1319.3	74.7	1.3	1.3	203.0	98.3	5.0	20.0	30.0	22.3	2.7
7	THAI OPAQUE-2 COMP I	1209.3	74.0	1.0	1.7	205.7	119.3	5.0	20.0	25.3	20.7	3.0
6	SHAKTY	1071.9	70.3	1.3	1.7	204.0	106.7	0.0	22.5	26.7	20.7	3.7
	MEANS	1894.7	72.3	1.4	1.6	220.6	120.5	10.5	21.4	28.9	26.4	2.9
	LSD(.05)	1182.7										
	C.V.	37.8										

TABLE 5
STATION NAME AND LOCATION. BAKO RES.STA.(I.A.R), BAKO-SHOA, ETHIOPIA.
COOPERATOR. HIRUY BELAYNEH.
LATITUDE. 9DG.8'N. LONGITUDE. 37DG.5'E. ELEVATION. 165CM.
DATE OF PLANTING. 10 MAY,1973.
PRECIPITATION DURING CYCLE OF TEST. 1286MM.
FERTILIZER USED. N-P 100-75 KG/HA.
DISEASE DEVELOPMENT. RUST AND LEAF BLIGHT WERE SEVERE.

NO.	VARIETY	GRAIN YIELD	DAYS FLOWER	HELM. TURC. (1-5)	PUCC. SPP. (1-5)	PLANT HT.	EAR HT.	ROOT LODG	STALK LODG.	NO. PLTS.	NO. EARS	ROT. EARS
19	THAI OPAQUE-2 COMP	8283.7	80.3	2.0	2.0	301.7	176.7	3.0	1.7	36.3	41.0	1.0
18	COMPOSITE K	7554.9	80.0	1.5	2.0	286.7	173.3	2.0	3.0	34.3	45.3	1.5
30	LOCAL NORMAL VARIETY	7080.8	76.3	1.7	2.0	263.3	145.0	3.0	3.0	34.0	50.3	0.0
4	D 19	6732.4	77.7	2.0	2.0	261.7	141.7	2.0	2.5	33.7	46.7	1.0
17	AGROCERES 502	6604.5	78.7	2.3	2.3	283.3	156.7	2.0	6.5	33.7	49.3	0.0
29	LOCAL D2 VARIETY	6561.4	80.3	1.7	1.7	278.3	165.0	2.0	2.0	35.7	38.3	1.0
12	INIA (AC X RD) BR2 BR2	6492.5	78.3	2.0	2.0	256.7	135.0	2.5	6.0	34.7	47.0	1.7
16	AGROCERES 504	6480.2	73.3	2.0	2.7	283.3	145.0	1.0	13.0	34.7	50.7	1.0
10	FOREMAIZ OPACO-2	6397.3	81.0	1.7	2.3	235.0	126.7	0.0	2.0	34.7	50.0	2.0
28	COMP. BL. CARIBE	6334.1	79.7	2.3	3.0	271.7	135.0	2.5	2.0	35.0	49.3	3.0
3	D 17	6317.6	74.7	2.0	2.3	246.7	128.3	3.5	2.0	34.0	49.3	3.0
24	COMP GRANO DURO	6285.8	79.7	2.7	2.7	275.0	148.3	3.0	5.0	33.7	43.7	0.0
2	PROTEINA	6274.8	70.0	2.3	2.3	248.3	118.3	3.0	2.7	33.3	48.0	1.0
20	TUXP. X ANT. GPO. 2	6215.9	76.7	2.7	3.3	273.3	143.3	3.5	3.0	36.7	52.7	1.0
21	CIMMYT OPAQUE-2 COMP	6209.9	70.7	3.3	2.7	235.0	110.0	5.0	3.5	32.0	44.0	1.0
27	TUXP. PO(MS)6-SEL.AM.	6197.3	75.7	2.7	3.0	271.7	128.3	2.0	3.3	34.3	42.7	0.0
26	COMP K X LA POSTA	6086.7	78.0	2.3	2.7	273.3	145.0	0.0	6.0	37.0	47.3	0.0
13	INIA H-412	6069.3	71.7	2.7	2.0	245.0	120.0	3.0	5.0	34.0	44.7	3.5
5	RATTAN	6002.8	73.0	3.3	2.7	263.3	128.3	3.0	2.5	31.0	40.3	2.0
25	(MIX.1 X COL.GPO.1)ETC B	5926.8	74.7	2.3	2.7	251.7	135.0	5.5	5.0	35.3	43.0	0.0
9	VEN. 1 OPACO-2	5916.6	80.0	2.7	2.7	275.0	145.0	1.5	2.5	34.3	43.7	1.0
7	THAI OPAQUE-2 COMP 1	5843.2	77.3	2.7	2.3	210.0	105.0	4.0	3.5	34.0	45.3	1.0
15	ICA-208	5686.5	72.7	3.3	3.3	271.7	143.3	2.7	3.7	33.3	38.0	2.0
6	SHAKTY	5596.3	73.3	3.0	2.3	248.3	123.3	6.5	3.3	33.7	44.7	1.3
22	NICARILLO	5439.0	79.3	2.7	3.0	281.7	155.0	2.5	2.0	35.3	42.0	2.0
8	VER. 181 X ANT. GPO. 2	5431.0	72.7	3.3	2.3	231.7	101.7	2.0	7.0	34.3	46.3	1.0
1	COMP OPACO	5112.6	73.3	3.0	2.0	215.0	101.7	5.0	3.3	34.3	42.3	1.0
23	LA POSTA	5112.3	79.0	3.3	3.0	291.7	156.7	5.0	3.5	33.3	42.3	2.5
11	INIA 28 X 19	4947.1	75.7	3.7	2.7	255.0	145.0	2.0	18.0	33.7	34.7	3.5
14	INIA COMP 412	4368.7	71.3	4.0	3.0	255.0	120.0	2.0	4.7	37.0	43.0	4.0
	MEANS	6118.7	76.2	2.6	2.5	261.3	136.7	3.0	3.9	34.4	44.9	1.9
	LSD(.05)	2788.2										
	C.V.	27.6										

TABLE 6
STATION NAME AND LOCATION. LEGON FARM,UNIV.OF GHANA,LEGON,ACCRA,GHANA.
COOPERATOR. D.J.HUME.
LATITUDE. 5G.N. LONGITUDE. 0CG.W ELEVATION. 45M.
DATE OF PLANTING. 30 APRIL,1973.
PRECIPITATION DURING CYCLE OF TEST. 612MM.
FERTILIZER USED. 160KG/HA.OF 15-15-15.
DISEASE DEVELOPMENT. HEAVY P.POLYSORA. LIGHT HELMINTH.AND USTILAGO MAYDIS.
INSECT,WEED OR PEST PROBLEMS. APHIDS,SOME TERMITE. C.ROTUNDUS. CROWS.

NO.	VARIETY	GRAIN YIELD	DAYS FLOWER	PLANT HT.	EAR HT.	ROOT LODG	STALK LODG.	NO. PLTS.	NO. EARS	ROT. EARS
19	THAI OPAQUE-2 COMP	6337.9	60.7	217.0	144.3	0.0	0.0	18.7	20.7	1.0
22	NICARILLO	6225.5	58.0	237.3	127.0	4.0	1.0	20.3	22.3	3.5
29	LOCAL 02 VARIETY	6073.1	63.0	234.7	138.3	3.3	0.0	21.3	23.3	0.0
24	COMP GRANO DURO	5987.1	60.3	234.7	141.3	1.3	2.0	19.7	19.3	1.0
11	INIA 20 X 19	5946.3	57.0	229.3	136.0	1.0	2.0	18.3	19.3	1.0
9	VEN. 1 OPACO-2	5631.7	59.3	230.3	134.7	8.0	1.0	18.3	19.3	1.7
12	INIA (AC X RD) BR2 BR2	5604.9	67.3	228.0	126.7	3.3	0.0	17.7	20.0	1.0
15	ICA-208	5470.0	61.0	244.3	138.3	2.5	6.0	20.3	21.7	8.0
28	COMP. BL. CARIBE	5438.3	61.0	244.7	138.0	1.7	0.0	18.0	19.3	1.0
4	D 19	5433.4	57.7	223.7	135.3	2.0	1.0	18.3	20.7	1.0
25	(MIX.1 X COL.GPO.1)ETO B	5387.6	56.3	195.7	126.7	4.0	2.0	18.3	19.0	2.0
23	LA POSTA	5236.1	61.0	234.0	131.0	1.0	0.0	17.7	17.7	1.0
3	D 17	5219.5	58.0	231.7	134.7	3.0	0.0	17.3	18.3	1.0
14	INIA COMP 412	5064.4	58.7	211.3	119.7	1.0	2.0	18.7	18.3	0.0
10	FOREMAIZ OPACO-2	5041.4	63.3	225.7	122.3	2.0	0.0	18.7	19.7	1.5
16	AGROCERES 504	4864.1	57.7	234.7	125.7	1.0	0.0	17.7	18.7	1.0
17	AGROCERES 502	4849.3	62.3	235.0	124.7	7.0	1.0	15.7	18.7	2.5
8	VER. 181 X ANT. GPO. 2	4803.3	57.7	212.3	120.0	5.0	3.0	18.0	19.0	1.3
2	PROTEINA	4616.9	54.3	211.0	124.3	3.5	1.0	18.3	19.7	2.0
26	COMP K X LA POSTA	4605.3	59.0	242.3	140.3	3.0	2.0	15.7	17.3	1.3
20	TUXP. X ANT. GPO. 2	4526.4	62.7	232.3	126.7	1.7	0.0	17.0	16.7	2.5
27	TUXP. PO(MS)6-SEL.AM.	4426.3	58.3	231.7	126.7	3.0	1.0	16.7	17.7	2.0
5	RATTAN	4381.7	57.3	220.0	125.3	1.7	1.5	18.0	18.7	1.5
7	THAI OPAQUE-2 COMP 1	4377.1	60.0	187.0	112.3	1.0	1.0	15.7	18.0	1.7
6	SHAKTY	4376.1	59.0	223.0	122.0	0.0	2.0	19.3	20.3	2.3
18	COMPOSITE K	4256.7	62.7	230.3	132.3	6.0	1.0	18.0	16.7	0.0
1	COMP OPACO	4205.1	57.3	209.3	113.0	3.0	4.5	15.7	18.7	1.5
30	LOCAL NORMAL VARIETY	4158.7	62.0	226.7	135.3	1.0	0.0	15.3	16.3	1.0
13	INIA H-412	3807.9	55.3	200.0	113.0	2.5	3.0	17.0	18.0	3.0
21	CIMMYT OPAQUE-2 COMP	3631.8	56.7	172.0	106.7	1.0	7.0	16.3	16.0	2.0
	MEANS	4999.4	59.5	223.0	128.1	2.7	2.2	17.9	19.0	1.9
	LSD(.05)	2248.8								
	C.V.	27.3								

TABLE 7
STATION NAME AND LOCATION. I.A.R.I.,NEW DELHI,INDIA.
COOPERATOR. J.SINGH.
LATITUDE. 28DG.N. LONGITUDE. 77DG.E.

NO.	VARIETY	GRAIN YIELD
3	D 17	2635.0
30	LOCAL NORMAL VARIETY	2368.0
11	INIA 20 X 19	2311.0
22	NICARILLO	2202.0
27	TOXP. PO(MS)6-SEL.AM.	2168.0
26	COMP K X LA POSTA	2136.0
5	RATTAN	2123.0
13	INIA H-412	2049.0
8	VER. 181 X ANT. GPO. 2	1940.0
24	COMP GRANO DURO	1892.0
6	SHAKTY	1833.0
2	PROTEINA	1781.0
19	THAI OPAQUE-2 COMP	1754.0
21	CIMMYT OPAQUE-2 COMP	1741.0
29	LOCAL D2 VARIETY	1731.0
10	FOREMAIZ OPACO-2	1713.0
16	AGROCERES 504	1710.0
23	LA POSTA	1706.0
17	AGROCERES 502	1706.0
1	COMP OPACO	1703.0
25	(MIX.1 X COL.GPO.1)LTC E	1701.0
15	ICA-208	1698.0
12	INIA (AC X RD) BR2 BF2	1667.0
9	VEN. 1 OPACO-2	1643.0
20	TOXP. X ANT. GPO. 2	1610.0
14	INIA COMP 412	1573.0
7	THAI OPAQUE-2 COMP I	1544.0
4	D 19	1366.0
28	COMP. BL. CARIBE	1016.0
18	COMPOSITE K	812.0
	MEANS	1794.4

TABLE 8
STATION NAME AND LOCATION. I.A.R.I., LUDHIANA, INDIA
COOPERATOR. JOHINDER SINGH.
LATITUDE.31DG.N. LONGITUDE.76DG.E.

NO.	VARIETY	GRAIN YIELD	DAYS FLOWER	HELM. SPP. (1-5)	ROOT LODG (PC)
11	INIA 20 X 19	9137.0	57.0	2.9	24.3
30	LOCAL NORMAL VARIETY	8877.0	57.0	2.5	25.9
19	THAI OPAQUE-2 COMP	8766.0	60.0	2.8	24.1
29	LOCAL D2 VARIETY	8725.0	56.0	2.8	20.6
17	AGROCERES 502	8294.0	59.0	2.6	18.4
16	AGROCERES 504	7771.0	60.0	2.8	10.8
6	SHAKTY	7735.0	56.0	2.7	30.0
5	RATTAN	7690.0	58.0	2.6	21.6
4	D 19	7436.0	59.0	2.8	23.9
13	INIA H-412	7326.0	59.0	2.9	32.2
14	INIA COMP 412	7183.0	57.0	2.8	18.3
28	COMP. BL. CARIBE	7152.0	61.0	2.7	43.0
15	ICA-206	7069.0	59.0	2.7	25.9
18	COMPOSITE K	6889.0	63.0	2.6	24.9
3	D 17	6882.0	60.0	2.8	33.7
21	CIMMYT OPAQUE-2 COMP	6624.0	58.0	2.7	27.2
20	TUXP. X ANT. GPO. 2	6414.0	56.0	2.7	19.1
7	THAI OPAQUE-2 COMP 1	6286.0	58.0	2.8	14.5
2	PROTEINA	6094.0	56.0	2.7	19.3
22	NICARILLO	6042.0	62.0	2.7	28.3
23	LA POSTA	5669.0	62.0	2.7	30.2
12	INIA (AC X RD) ER2 ER2	5601.0	62.0	2.6	20.3
26	COMP K X LA POSTA	5587.0	59.0	3.2	25.3
24	COMP GRANO DURO	5457.0	62.0	2.7	18.0
8	VER. 181 X ANT. GPO. 2	5441.0	67.0	2.7	15.9
10	FOREMAIZ OPACO-2	5317.0	63.0	2.7	13.2
25	(MIX.1 X CCL.GPC.1)ETC E	4801.0	61.0	2.6	21.1
1	COMP OPACO	4621.0	50.0	3.2	23.0
27	TUXP. PO(MS)6-SEL.AM.	4365.0	60.0	2.8	19.3
9	VEN. 1 OPACO-2	3928.0	61.0	2.7	16.7
	MEANS	6639.4	59.9	2.8	23.0

TABLE 9
STATION NAME AND LOCATION. PANTNAGAR, INDIA.
COOPERATOR. V.L.ASNANI.
LATITUDE. 29DG.N. LONGITUDE. 79DG.30'E. ELEVATION.244M.

NO.	VARIETY	GRAIN YIELD	DAYS FLOWER	B.S.D. MILDEW (1-5)	ROOT LODG (PC)
23	LA POSTA	4160.0	58.0	1.0	31.3
18	COMPOSITE K	4066.0	55.0	1.5	2.3
25	(MIX.1 X CCL.GPU.1)ETC E	4043.0	58.0	1.5	15.9
15	ICA-208	3871.0	57.0	2.0	18.9
28	COMP. BL. CARIBE	3854.0	60.0	1.5	19.5
24	COMP GRAND DURO	3851.0	59.0	1.5	10.7
17	AGROCERES 502	3742.0	58.0	2.0	9.2
26	COMP K X LA POSTA	3729.0	56.0	1.5	25.5
19	THAI OPAQUE-2 COMP	3660.0	57.0	2.0	9.8
10	FOREMAIZ OPACO-2	3654.0	59.0	1.5	10.9
8	VER. 181 X ANT. GPU. 2	3556.0	56.0	1.5	22.3
9	VEN. 1 OPACO-2	3528.0	58.0	1.0	16.8
20	TUXP. X ANT. GPU. 2	3507.0	56.0	2.0	19.5
11	INIA 20 X 19	3498.0	54.0	2.5	12.6
4	D 19	3484.0	57.0	1.0	14.3
22	NICARILLO	3461.0	59.0	2.0	25.4
29	LOCAL D2 VARIETY	3421.0	53.0	1.5	15.0
16	AGROCERES 504	3388.0	56.0	2.0	16.2
3	D 17	3377.0	56.0	1.0	17.3
30	LOCAL NORMAL VARIETY	3354.0	55.0	1.5	18.2
21	CIMMYT OPAQUE-2 COMP	3314.0	57.0	1.5	24.3
2	PROTEINA	3225.0	54.0	1.5	16.7
7	THAI OPAQUE-2 COMP I	3126.0	56.0	2.0	15.7
6	SHAKTY	3093.0	54.0	2.5	16.5
14	INIA COMP 412	3015.0	54.0	2.5	11.6
27	TUXP. PD(MS)6-SEL.AM.	2932.0	60.0	2.0	26.6
13	INIA H-412	2641.0	56.0	1.5	15.6
5	RATTAN	2542.0	55.0	2.0	16.8
12	INIA (AL X RD) BR2 BR2	2157.0	59.0	2.0	22.5
1	COMP OPACO	1148.0	51.0	1.6	21.9
	MEANS	3346.6	56.5	1.7	17.5

TABLE 10
STATION NAME AND LOCATION. IRAT, FERKESSEDOUGOU, BOUAKE, IVORY COAST.
COOPERATOR. J. L. MARCHAND.
LATITUDE. 9DG.35'N. LONGITUDE. 5DG.12'W. ELEVATION.325M.
DATE OF PLANTING. 15 JUNE, 1972.
PRECIPITATION DURING CYCLE OF TEST. 475MM.
FERTILIZER USED. N-P-K 120-80-100 KG/HA.

NO.	VARIETY	GRAIN YIELD	DAYS FLOWER	PLANT HT.	EAR HT.	ROOT LODG (1-5)	STALK LODG. (1-5)	NO. EARS
29	LOCAL D2 VARIETY	4720.0	56.3	326.7	181.7	2.7	3.5	37.0
23	LA POSTA	4618.7	57.3	333.3	173.3	4.0	5.0	37.0
22	NICARILLO	4526.7	55.3	325.0	176.7	2.0	2.3	37.0
19	THAI OPAQUE-2 COMP	4422.7	57.0	330.0	176.7	2.5	3.0	37.0
18	COMPOSITE K	4173.3	55.7	346.7	195.0	2.0	4.0	32.3
7	THAI OPAQUE-2 COMP 1	4159.3	55.3	300.0	153.3	1.0	1.5	34.0
16	AGROCERES 504	4022.0	55.0	291.7	146.7	2.3	2.7	36.7
28	COMP. BL. CARIBE	3951.3	56.0	306.7	153.3	1.0	2.0	33.7
24	COMP GRANO DURO	3906.3	58.3	310.0	163.3	1.5	2.5	37.3
4	D 19	3857.3	56.3	308.3	160.0	2.7	4.0	33.0
26	COMP K X LA POSTA	3853.7	56.0	293.3	155.0	2.5	3.5	32.0
12	INIA (AC X RD) BR2 BR2	3789.0	56.7	275.0	136.7	2.5	3.0	38.3
15	ICA-208	3766.0	55.7	303.3	153.3	1.5	2.5	34.3
9	VEN. 1 OPACO-2	3759.3	55.0	300.0	156.7	0.0	2.0	35.0
27	TUXP. PD(MS)6-SEL.AM.	3630.7	54.3	306.7	163.3	2.0	3.5	32.7
11	INIA 20 X 19	3626.7	57.3	293.3	146.7	2.0	2.3	35.0
13	INIA H-412	3540.3	53.7	310.0	163.3	3.0	4.5	32.7
6	SHAKTY	3363.7	54.3	300.0	150.0	2.3	1.7	39.3
3	D 17	3317.0	54.7	291.7	153.3	3.0	3.5	31.3
5	RATTAN	3277.3	56.3	296.7	143.3	2.0	2.7	33.7
1	COMP OPACO	3270.0	54.3	273.3	138.3	2.7	2.7	37.0
20	TUXP. X ANT. GPO. 2	3264.3	54.0	321.7	165.0	3.3	4.5	36.0
30	LOCAL NORMAL VARIETY	3227.0	55.3	308.3	176.7	2.3	4.0	36.7
17	AGROCERES 502	3221.0	55.7	296.7	163.3	4.0	3.0	34.7
25	(MIX.1 X COL.GPC.1)ETO 8	3071.7	55.7	290.0	143.3	3.0	2.7	33.3
8	VER. 161 X ANT. GPO. 2	2989.0	53.7	290.0	143.3	3.0	2.3	36.3
2	PROTEINA	2974.0	53.3	251.7	136.7	3.5	2.5	37.3
10	FOREMAIZ OPACO-2	2941.3	56.7	310.0	143.3	3.0	3.0	33.0
14	INIA COMP 412	2653.3	53.0	290.0	133.3	3.3	2.3	35.0
21	CIMMYT OPAQUE-2 COMP	2534.0	53.3	270.0	131.7	3.3	4.0	31.3
	MEANS	3614.3	55.4	301.7	155.9	2.5	2.9	35.0

TABLE 11
STATION NAME AND LOCATION. DER ALLA, JORDAN.
COOPERATORS. A.H.DURGHAM, A.L.HAMMODA, M.A.MUHDA.
LATITUDE. 32DG.N LONGITUDE. 36DG.E
(YIELD NOT ADJUSTED FOR MOISTURE CONTENT)

NO.	VARIETY	GRAIN YIELD	DAYS FLOWER	HELM. TURC. (1-5)	PLANT HT.	EAR HT.	NO. PLTS.	NO. EARS
8	VER. 181 X ANT. GPU. 2	4859.7	53.0	1.3	200.0	135.0	31.0	38.3
2	PROTEINA	4435.0	52.0	2.0	188.3	120.0	33.0	38.7
17	AGROCERES 502	4001.5	54.7	1.5	216.7	143.3	30.7	29.0
21	CIMMYT OPAQUE-2 COMP	3988.7	53.0	1.7	181.7	123.3	33.3	32.7
7	THAI OPAQUE-2 COMP 1	3700.8	53.0	2.0	193.3	120.0	32.7	30.3
16	AGROCERES 504	3547.8	52.7	1.0	190.0	115.0	33.7	29.7
5	KATTAN	3494.7	55.3	1.0	198.3	131.7	32.7	26.7
30	LOCAL NORMAL VARIETY	3469.4	51.7	1.0	203.3	135.0	33.0	33.3
24	COMP GRANO DURO	3378.1	54.3	2.0	220.0	136.7	32.7	27.0
1	COMP OPACO	3362.7	50.3	1.5	180.0	113.3	31.3	35.0
14	INIA COMP 412	3361.7	53.5	1.0	205.0	130.0	31.0	24.5
6	SHAKTY	3346.7	53.3	1.0	190.0	130.0	29.7	30.3
3	D 17	3286.2	53.0	1.0	180.0	118.3	33.0	33.7
27	TUXP. PD(MS)6-SEL.AM.	3163.0	53.0	1.7	215.0	148.3	34.7	27.3
20	TUXP. X ANT. GPC. 2	3132.6	51.7	1.0	205.0	135.0	32.3	27.7
19	THAI OPAQUE-2 COMP	3056.4	54.0	1.0	201.7	130.0	33.3	29.3
26	COMP K X LA POSTA	3047.4	52.3	1.0	181.7	116.7	32.0	27.7
18	COMPOSITE K	3023.1	54.3	1.5	193.3	131.7	36.0	24.7
22	NICARILLO	2961.8	53.7	1.3	201.7	136.7	32.3	32.0
13	INIA H-412	2936.2	54.3	1.5	218.3	133.3	33.0	32.3
23	LA POSTA	2911.4	56.3	1.5	226.7	151.7	30.0	22.3
11	INIA 20 X 19	2909.3	51.7	2.0	180.0	113.3	32.0	32.3
25	(MIX.1 X COL.GPC.1)ETC B	2782.1	56.0	1.7	191.7	145.0	33.3	25.3
4	D 19	2604.2	46.7	1.5	173.3	101.7	33.3	35.0
12	INIA (AC X KD) BR2 BR2	2570.8	58.0	1.0	156.7	100.0	34.7	25.3
15	ICA-208	2414.5	53.7	1.0	175.0	121.7	34.7	25.7
9	VEN. 1 OPACO-2	2340.8	49.3	1.5	191.7	126.7	32.0	33.0
10	FOREMAIZ OPACO-2	2072.6	58.0	1.0	173.3	115.0	32.0	25.7
29	LOCAL D2 VARIETY	2031.7	48.0	1.0	183.3	106.7	32.7	30.3
28	COMP. BL. CARIBE	1650.7	56.3	1.0	211.7	146.7	32.3	18.0
	MEANS	3147.3	53.8	1.4	196.0	128.2	33.0	29.8
	LSD(.05)	1999.5						
	C.V.	38.5						

TABLE 12
STATION NAME AND LOCATION. SIDI MISRI,TRIPOLI,LIBYA.
COOPERATOR. MUHAMED EL SAYEL MOSALLAM.
LATITUDE. 32DG.N. LONGITUDE. 13DG.E. ELEVATION. 10M.
DATE OF PLANTING. 12 JULY,1972.
AMOUNT OF IRRIGATION APPLIED. ABOUT 300 CUBIC METER/WEEK.
FERTILIZER USED. 600KG.AMM.SULPHATE, 200KG.SUPERPHOSPHATE(18)/HA.
DISEASE DEVELOPMENT. SOME LATE WILT AND USTILAGO.
INSECT,WEED OR PEST PROBLEMS. CORN BOREKS.

NO.	VARIETY	GR/IN YIELD	DAYS FLOWER	PLANT HT.	EAR HT.	NO. PLTS.	NO. EARS	ROT. EARS
11	INIA 20 X 19	5615.4	65.7	263.3	166.3	36.0	38.0	6.0
17	AGROCERES 502	5554.6	67.3	291.7	171.7	34.7	37.0	6.0
9	VEN. 1 OPACO-2	5339.4	64.0	266.7	183.3	34.0	37.7	7.5
2	PROTEINA	5319.2	61.0	261.7	155.0	35.3	36.3	4.0
6	SHAKTY	5185.9	60.3	271.7	155.0	36.0	33.7	1.5
14	INIA COMP 412	5027.3	60.3	286.7	161.7	34.0	37.7	4.7
15	ICA-208	4945.3	61.3	278.3	160.0	35.3	32.3	0.0
8	VER. 161 X ANT. GPO. 2	4926.1	62.3	255.0	141.7	35.3	34.0	4.5
18	COMPOSITE K	4848.8	59.3	276.7	176.7	36.0	36.7	7.0
12	INIA (AC X RD) BR2 BR2	4815.0	65.7	246.7	135.0	31.0	30.0	2.0
5	RATTAN	4807.1	63.7	270.0	170.0	35.7	40.0	6.7
20	TUXP. X ANT. GPO. 2	4778.2	66.0	263.3	166.7	33.0	36.7	5.7
27	TUXP. PO(MS)6-SEL.AM.	4655.4	65.0	288.3	166.3	34.7	34.3	3.5
4	D 19	4608.9	66.0	263.3	161.7	34.7	34.0	4.0
3	D 17	4590.1	65.7	280.0	160.0	34.3	34.0	5.0
28	COMP. DL. CARIBE	4584.4	66.7	261.7	158.3	35.0	36.0	7.5
26	COMP K X LA POSTA	4538.4	65.0	283.3	176.7	35.0	34.0	3.0
1	COMP OPACO	4473.3	60.7	250.0	136.7	34.7	34.7	2.0
23	LA POSTA	4462.8	64.3	273.3	166.7	35.0	31.0	1.0
21	CIMMYT OPAQUE-2 COMP	4417.1	59.0	255.0	136.7	34.7	33.3	4.0
22	NICARILLO	4320.0	64.0	278.3	190.0	33.7	31.7	3.0
29	LOCAL BZ VARIETY	4302.4	61.0	245.0	148.3	31.7	29.7	3.0
7	THAI OPAQUE-2 COMP 1	3989.1	63.3	233.3	130.0	32.0	30.7	0.0
10	FOREMAIZ OPACO-2	3953.8	66.0	251.7	141.7	34.7	32.7	2.3
13	INIA H-412	3953.6	60.0	270.0	161.7	31.3	30.3	3.0
25	(MIX.1 X COL.GPO.1)ETC B	3904.9	56.3	253.3	185.0	34.7	29.7	0.0
16	AGROCERES 504	3864.0	63.3	278.3	178.3	31.7	29.7	2.0
19	THAI OPAQUE-2 COMP	3645.3	55.3	241.7	131.7	33.7	29.0	1.0
24	COMP GRANO DURO	3761.9	66.0	280.0	188.3	34.3	32.0	2.0
30	LOCAL NORMAL VARIETY	3527.0	60.3	255.0	150.0	33.7	27.3	1.0
	MEANS	4363.8	62.8	265.9	160.5	34.2	33.5	4.1
	LSD(.05)	1222.3						
	C.V.	16.2						

TABLE 13
STATION NAME AND LOCATION. BUNDA COLLEGE OF AGRICULTURE, LILONGWE, MALAWI.
COOPERATOR. DUNSTAN MALITHANG.
LATITUDE. 14DG.S. LONGITUDE. 34DG.E. ELEVATION. 1219M.
DATE OF PLANTING. 26 NOVEMBER, 1972.
PRECIPITATION DURING CYCLE OF TEST. 1379MM.
FERTILIZER USED. N-P-K 150-80-60 KG/HA.
CLIMATIC CONDITIONS DURING TEST. DRIER THAN USUAL WITH DROUGHT SPELLS.
DISEASE DEVELOPMENT. HELMINTHOSPORIUM, PUCCINIA.
INSECT, WEED OR PEST PROBLEMS. APHIDS MORE THAN USUAL.

NO.	VARIETY	GRAIN YIELD	DAYS FLOWER	HELM. TURC. (1-5)	PUCC. SPP. (1-5)	PLANT HT.	EAR HT.	ROOT LODG	STALK LODG.	NO. PLTS.	NO. EARS	ROT. EARS
5	KATTAN	4056.4	68.7	3.7	2.3	250.0	106.7	3.7	6.3	30.3	33.7	7.3
14	INIA COMP 412	3602.2	67.3	3.7	2.7	256.7	106.7	7.3	2.5	31.7	30.7	7.0
15	ICA-206	3573.2	70.3	3.3	3.0	256.7	103.3	8.3	2.7	29.0	26.3	7.5
20	TUXP. X ANT. GPO. 2	3405.9	69.3	3.3	2.3	246.7	120.0	8.0	5.0	31.0	31.3	7.3
6	SHANTY	3316.1	69.3	3.3	2.3	240.0	106.7	6.0	1.3	31.0	32.3	9.3
19	THAI OPAQUE-2 COMP	3298.1	72.3	2.3	2.3	253.3	120.0	7.3	2.0	33.5	29.5	4.5
4	D 19	3246.4	73.7	4.0	2.7	256.7	120.0	9.0	3.0	33.0	29.0	3.0
29	LOCAL D2 VARIETY	3160.1	73.0	3.0	2.7	250.0	140.0	9.3	2.5	33.0	32.0	5.0
8	VER. 161 X ANT. GPO. 2	3120.2	71.0	3.0	2.3	236.7	93.3	6.7	1.7	32.7	33.3	2.7
10	FOREMAIZ OPACO-2	3039.6	76.0	3.0	2.0	230.0	93.3	3.0	5.0	21.3	30.3	5.0
12	INIA (AC X KD) ER2 ER2	2951.1	72.7	3.7	2.3	236.7	103.3	6.0	0.0	29.0	33.3	3.0
3	D 17	2926.5	68.7	2.7	3.0	233.3	100.0	6.7	1.7	29.7	27.7	3.5
2	PROTEINA	2851.6	67.7	3.3	2.3	226.7	103.3	5.0	3.0	34.3	38.0	3.7
24	COMP GRANO DURO	2841.0	76.0	3.7	2.0	283.3	133.3	7.7	3.5	27.3	28.0	8.0
27	TUXP. PO(MS)6-SEL.AM.	2826.0	69.7	4.3	2.3	256.7	106.7	5.3	1.5	27.0	24.0	6.7
7	THAI OPAQUE-2 COMP I	2783.7	73.7	3.3	2.3	223.3	93.3	7.7	0.0	26.3	29.0	5.3
26	COMP. BL. CARIBE	2760.4	71.3	3.3	2.7	236.7	123.3	5.3	1.0	20.0	25.0	8.0
1	COMP OPACO	2725.5	64.3	3.3	2.7	223.3	90.0	6.3	4.0	32.0	33.7	5.5
11	INIA 20 X 19	2648.3	71.0	3.7	2.3	223.3	96.7	3.0	2.0	27.7	27.7	3.3
18	COMPOSITE K	2594.6	72.0	3.3	2.7	233.3	113.3	7.7	1.0	30.3	30.0	4.0
9	VEN. 1 OPACO-2	2578.7	73.3	3.0	2.7	250.0	126.7	6.0	4.0	25.3	24.0	4.7
22	NICARILLO	2553.4	72.3	3.7	2.7	263.3	120.0	7.7	3.0	32.7	29.3	2.0
23	LA POSTA	2547.2	73.3	4.0	2.3	263.3	126.7	7.3	1.0	30.3	32.0	6.5
17	AGROCERES 502	2285.4	70.7	3.0	2.3	256.7	113.3	6.7	2.0	25.0	23.7	3.3
25	(MIX.1 X COL.GPO.1)ETC B	2269.8	66.7	5.0	2.0	246.7	106.7	8.3	1.0	26.0	26.0	10.0
13	INIA H-412	2063.6	68.7	3.3	2.3	243.3	106.7	7.3	3.0	24.3	26.7	4.0
30	LOCAL NORMAL VARIETY	2043.9	70.0	3.0	2.0	243.3	113.3	3.7	4.0	21.5	24.5	3.0
28	COMP K X LA POSTA	1941.8	69.3	3.0	2.7	233.3	113.3	6.3	2.0	26.0	24.3	3.3
16	AGROCERES 504	1846.8	71.3	3.3	2.7	266.7	110.0	4.0	1.0	19.7	23.0	1.0
21	CIMMYT OPAQUE-2 COMP	1637.3	68.0	4.5	2.3	206.7	76.7	3.7	4.0	16.0	18.7	9.0
	MEANS	2805.7	70.7	3.4	2.4	244.2	109.6	6.4	2.7	28.3	28.7	5.2
	LSD(.05)	2176.8										
	C.V.	47.0										

TABLE 14
STATION NAME AND LOCATION. RAPTI AGRIC.STA., RAMPUR,CHITWAN, NEPAL.
COOPERATORS. D.B.MATHEMA, MELVIN SPLITTER.
LATITUDE. 27DG.35'N. LONGITUDE. 84DG.32'E. ELEVATION. 228M.
DATE OF PLANTING. 15-JUNE,1972.
FERTILIZER USED. N-P-K 160-80-00 KG/HA.
DISEASE DEVELOPMENT. LITTLE LEAFBLIGHT, SOME CURVULARIA, SOME STALK ROTS.
INSECT,WEED OR PEST PROBLEMS. WEEDS AND PARROTS.

NO.	VARIETY	GRAIN YIELD	DAYS FLOWER	HELM. MAYD. (1-5)	PLUG. SPP. (1-5)	PLANT HT.	EAR HT.	ROOT LODG	STALK LODG.	NO. PLTS.	NO. EARS	ROT. EARS
1	COMP OPACO	3156.6	52.7	2.7	1.2	254.7	115.7	0.0	5.0	34.0	30.7	12.7
28	COMP. BL. CARIBE	3079.7	56.7	2.2	1.2	271.7	131.0	0.0	1.3	30.7	30.7	6.7
4	D 19	3028.3	57.0	1.5	2.0	256.0	121.0	0.0	2.7	28.0	26.7	6.0
27	TUXP. PO(MS)6-SEL.AM.	2978.8	56.3	2.0	1.2	258.7	119.7	0.0	3.0	30.0	29.0	13.0
24	COMP GRANO DURO	2942.3	58.3	2.0	1.2	277.0	136.7	0.0	3.0	25.7	24.0	5.0
18	COMPOSITE K	2936.5	59.3	2.0	1.3	258.3	120.0	1.0	2.3	31.7	30.0	7.7
2	PROTEINA	2853.4	54.0	1.7	1.7	253.0	114.0	0.0	3.3	34.3	33.0	12.0
19	THAI OPAQUE-2 COMP	2841.4	59.0	1.8	1.2	259.0	119.0	0.0	3.0	34.7	32.7	10.3
3	D 17	2810.0	56.3	2.0	1.2	268.7	128.3	0.0	4.3	28.3	27.0	8.0
25	(MIX.1 X COL.GPU.1)ETC E	2794.0	53.3	2.3	1.7	254.7	114.3	0.0	3.7	30.0	31.0	10.7
6	SHAKTY	2789.5	55.7	2.0	1.0	251.0	113.7	0.0	2.7	29.0	27.3	11.7
30	LOCAL NORMAL VARIETY	2675.7	56.3	1.7	1.8	271.0	123.7	1.0	4.0	26.0	27.3	5.3
22	NICARILLO	2611.1	60.0	1.5	1.5	261.3	117.7	0.0	1.3	28.7	29.7	6.3
26	COMP K X LA POSTA	2595.0	59.3	1.0	1.5	258.3	113.3	1.0	2.0	27.0	24.0	8.0
5	RATTAN	2580.9	57.0	2.5	1.2	262.7	111.7	4.0	4.5	29.0	27.0	9.0
11	INIA 20 X 19	2466.5	56.7	2.2	1.2	257.7	105.3	1.0	3.7	25.7	26.3	8.7
12	INIA (AL X RO) BR2 BR2	2356.4	60.0	1.5	1.3	242.7	109.0	0.0	1.7	26.3	22.3	3.7
29	LOCAL D2 VARIETY	2317.7	57.3	1.5	0.8	254.0	112.0	0.0	2.7	29.7	27.7	9.7
20	TUXP. X ANT. GPU. 2	2312.6	59.7	2.0	1.2	250.0	116.3	0.0	1.3	29.3	26.3	8.5
23	LA POSTA	2311.5	61.3	1.7	1.8	254.3	119.0	0.0	1.3	26.0	25.0	4.3
15	ICA-208	2303.9	59.3	1.5	1.0	263.0	111.7	0.0	2.7	26.3	24.3	7.0
14	INIA COMP 412	2233.7	55.3	2.2	1.0	240.7	97.0	0.0	4.0	28.3	30.3	10.7
8	VEN. 181 X ANT. GPU. 2	2232.8	56.3	1.8	1.5	230.0	97.3	0.0	3.5	28.0	31.3	8.7
16	AGROCERES 504	2192.7	57.0	1.7	1.5	268.3	116.0	2.0	2.5	25.3	24.7	6.7
7	THAI OPAQUE-2 COMP 1	2152.1	60.3	1.7	2.2	230.3	101.3	1.0	2.7	25.0	20.7	3.0
9	VEN. 1 OPACO-2	2137.3	60.7	1.8	1.5	257.7	116.0	0.0	3.0	26.7	27.3	6.3
13	INIA H-412	2051.9	57.7	1.7	1.5	255.7	106.3	0.0	1.7	23.7	24.3	7.7
17	AGROCERES 502	1839.8	61.3	1.8	1.5	246.7	114.0	0.0	1.7	24.7	24.0	7.0
21	CIMMYT OPAQUE-2 COMP	1736.7	56.7	2.7	1.2	232.0	98.7	0.0	3.7	28.0	27.0	13.0
10	FOREMAIZ OPACO-2	1688.8	61.0	1.5	1.7	244.7	109.3	0.0	4.3	20.3	21.3	0.7
	MEANS	2500.2	57.8	1.9	1.4	254.8	114.3	1.6	2.9	27.9	27.3	8.1
	LSD(0.05)	1397.4										
	C.V.	33.9										

TABLE 15
STATION NAME AND LOCATION. LA CALERA,MANAGUA,NICARAGUA.
COOPERATOR. H.TAPIA B.
LATITUDE. 12DG.13'N. LONGITUDE. 86DG.20'W. ELEVATION. 55M.
DATE OF PLANTING. 7 JULY,1972.
FERTILIZER USED. 265KG/HA.OF 10-40-10 AT PLANTING PLUS 154KG/HA UREA LATER.

NO.	VARIETY	GR/IN YIELD	PLANT HT.	EAR HT.	STALK LODG. (1-5)	NO. PLTS.	NO. EARS	ROT. EARS
19	THAI OPAQUE-2 COMP	1310.9	263.3	125.0	1.8	32.3	24.0	13.0
22	NICARILLO	1218.1	290.0	140.0	2.3	33.7	26.0	16.3
16	AGROCERES 504	1155.3	251.7	108.3	2.3	25.0	21.0	10.7
12	INIA (AC X RD) BR2 BR2	1141.8	240.0	116.7	1.5	27.0	17.3	8.0
11	INIA 20 X 19	1132.9	261.7	135.0	1.8	33.3	22.0	18.0
15	ICA-206	1055.6	255.0	121.7	1.7	29.3	20.3	14.7
14	INIA COMP 412	1052.3	228.3	113.3	1.5	30.7	20.0	13.7
24	COMP GRANO DURO	1057.1	276.7	136.7	1.8	30.7	21.0	11.0
3	RATIAN	1051.0	246.7	116.7	2.0	29.0	23.7	17.3
27	TUXP. PO(MS)6-SEL.AM.	976.6	260.0	118.3	2.2	28.7	19.3	10.7
9	VEN. 1 OPACO-2	967.1	258.3	133.3	1.8	29.7	21.7	14.0
28	COMP. DL. CARIBE	886.5	251.7	125.0	2.0	24.0	16.7	8.7
26	COMP K X LA POSTA	856.8	263.3	125.0	2.0	24.0	16.0	10.3
25	(MIX.1 X COL.GPO.1)ETL B	854.1	280.0	145.0	2.7	29.0	14.3	8.3
7	THAI OPAQUE-2 COMP 1	844.7	235.0	110.0	2.0	27.7	17.7	12.3
18	COMPOSITE K	825.9	268.3	130.0	1.8	32.0	22.0	15.0
6	SHANTY	788.3	251.7	120.0	2.0	27.0	19.3	13.7
13	INIA H-412	763.0	240.0	121.7	1.2	26.0	14.0	12.0
23	LA POSTA	747.0	270.0	135.0	1.7	31.0	15.3	12.0
29	LOCAL D2 VARIETY	716.3	255.0	131.7	1.8	24.7	14.7	8.0
17	AGROCERES 502	702.2	275.0	143.3	1.7	22.3	15.0	13.3
8	VEN. 101 X ANT. GPO. 2	619.9	255.0	128.3	1.7	28.7	21.3	21.3
21	CIMMYT OPAQUE-2 COMP	615.7	210.3	116.7	2.7	24.7	16.7	13.0
20	TUXP. X ANT. GPO. 2	606.7	245.0	125.0	2.2	27.3	17.3	14.7
30	LOCAL NORMAL VARIETY	595.8	240.0	113.3	1.7	22.7	14.3	9.7
3	D 17	570.9	245.0	116.7	1.7	24.0	15.7	12.7
10	FOREMAIZ OPACO-2	526.3	243.3	113.3	1.7	25.0	13.7	12.7
4	D 19	506.1	250.0	123.3	1.5	30.0	15.7	13.7
1	COMP OPACO	398.2	219.0	107.7	2.0	23.3	13.7	11.7
2	PROTEINA	318.8	225.0	111.7	1.8	22.0	13.0	11.3
	MEANS	831.3	252.7	123.6	1.9	27.5	18.1	12.7
	LSD(.05)	666.8						
	C.V.	48.6						

TABLE 16
STATION NAME AND LOCATION. PROYECTO CAJAMARCA-LA LIBERTAD,PERU.
COOPERATOR. JESUS SUTOMAYOR R.
LATITUDE. 7DG.30'S. LONGITUDE. 78DG.W.
DATE OF PLANTING. 27 DECEMBER,1972.

NO.	VARIETY	GRAIN YIELD
1	COMP OPACO	8125.0
2	PROTEINA	7874.0
3	D 17	4653.0
4	D 19	3780.0
5	RATTAN	3556.0
6	SHAKTY	3522.0
7	THAI OPAQUE-2 COMP I	3285.0
8	VER. 181 X ANT. GPO. 2	3271.0
9	VEN. 1 OPACO-2	3077.0
10	FOREMAIZ OPACO-2	2980.0
11	INIA 20 X 19	2917.0
12	INIA (AC X RD) BR2 BR2	2744.0
13	INIA H-412	2716.0
14	INIA COMP 412	2659.0
15	ICA-206	2631.0
16	AGROCERES 504	2564.0
17	AGROCERES 502	2555.0
18	COMPOSITE K	2364.0
19	THAI OPAQUE-2 COMP	2249.0
20	TUXP. X ANT. GPO. 2	2227.0
21	CIMMYT OPAQUE-2 COMP	1988.0
22	NICARILLO	1969.0
23	LA POSTA	1969.0
24	COMP GRANO DURO	1924.0
25	(MIX.1 X CO.GPL.1)ETC B	1898.0
26	COMP K X LA POSTA	1887.0
27	TUXP. PD(MS)6-SEL.AM.	1755.0
28	COMP. BL. CARIBE	1696.0
29	LOCAL 02 VARIETY	1612.0
30	LOCAL NORMAL VARIETY	681.0
	MEANS	2904.3

TABLE 17
STATION NAME AND LOCATION. CENT.ACRIC.RES.STATION,AFGOI,SOMALIA.
COOPERATORS. M.A.NOOR, YUSUF C. YUSUF.
LATITUDE. 2DG.N. LONGITUDE.45DG.E. ELEVATION. SEA LEVEL.
DATE OF PLANTING. 5 OCTOBER,1972.
PRECIPITATION DURING CYCLE OF TEST. 425MM.
AMOUNT OF IRRIGATION APPLIED. THREE IRRIGATIONS.
FERTILIZER USED. UREA,SUPERPHOSPHATE,KCL 170-80-60 KG/HA.
CLIMATIC CONDITIONS DURING TEST. EXCEPTIONALLY HEAVY RAINS.

NO.	VARIETY	GRAIN YIELD	DAYS FLOWER	PLANT HT.	EAR HT.	ROOT LODG	STALK LODG.	NO. PLTS.	NO. EARS	ROT. EARS
14	INIA COMP 412	3304.5	53.3	162.0	94.0	2.0	1.7	34.3	33.3	9.7
12	INIA (AC X RD) BR2 BR2	3134.6	66.0	191.7	107.0	0.0	0.0	33.7	31.0	10.3
15	ICA-206	2706.8	61.3	190.0	101.3	2.3	3.0	32.7	27.3	7.3
16	COMPOSITE K	2666.0	66.0	175.0	85.0	7.0	6.0	29.7	28.3	6.7
6	SHAKTY	2618.9	55.3	182.3	91.3	13.0	9.0	33.7	30.0	8.0
7	THAI OPAQUE-2 COMP I	2528.5	62.0	162.0	88.0	1.0	1.0	32.3	25.3	5.7
17	AGROCERES 502	2486.4	66.7	182.3	95.0	5.0	4.0	26.0	25.3	6.5
22	NICARILLO	2430.5	66.0	190.3	100.7	4.0	3.0	33.3	27.3	5.0
3	KATTAN	2405.7	62.0	170.7	93.3	4.0	5.0	33.0	23.7	6.3
13	INIA H-412	2372.0	55.3	185.3	97.3	1.0	1.5	28.0	29.7	9.3
18	AGROCERES 504	2339.6	62.0	190.0	111.3	1.3	1.5	30.0	28.0	8.3
10	FOREMAIZ OPACO-2	2338.7	66.0	191.3	102.3	0.0	0.0	29.3	21.0	2.0
3	D 17	2311.9	66.7	184.0	98.3	2.0	2.0	33.3	28.0	8.3
4	D 19	2304.8	66.7	177.3	89.0	2.5	5.0	31.7	28.0	9.0
1	COMP OPACO	2227.6	66.7	155.7	83.0	1.0	2.0	32.3	23.7	6.7
19	THAI OPAQUE-2 COMP	2160.4	66.0	157.7	92.0	1.0	1.0	32.0	27.0	8.0
29	LOCAL OZ VARIETY	2044.8	66.0	161.3	82.3	1.0	1.0	29.3	23.0	6.0
8	VEN. 161 X ANT. GPO. 2	2035.6	61.3	154.0	80.7	2.0	1.0	35.0	27.0	10.3
11	INIA 20 X 19	2029.7	64.0	174.0	87.3	1.5	1.0	33.0	27.7	6.0
20	TUXP. X ANT. GPO. 2	2008.1	64.0	174.7	95.0	2.3	2.0	31.3	26.0	8.7
21	CIMMYT OPAQUE-2 COMP	1997.6	63.3	163.3	81.0	1.0	2.0	31.3	25.0	9.0
2	PROTEINA	1975.1	58.7	159.0	82.3	1.5	1.0	34.3	27.7	11.0
9	VEN. 1 OPACO-2	1854.8	66.0	181.0	93.7	3.3	2.7	30.3	23.7	5.7
27	TUXP. P0(MS)6-SEL.AM.	1797.1	63.3	176.0	85.3	1.5	3.0	25.3	21.3	9.0
30	LOCAL NORMAL VARIETY	1636.7	66.0	163.3	82.7	7.0	5.0	30.0	23.7	9.0
28	COMP. DL. CARIBE	1373.1	66.0	171.3	82.7	5.5	2.5	27.7	21.3	10.0
24	COMP GRAND DURO	1336.3	68.7	166.0	83.3	7.7	6.0	24.3	15.3	3.0
26	COMP K X LA POSTA	1307.7	66.0	160.0	82.3	8.0	7.0	22.0	17.7	7.3
23	LA POSTA	1275.6	69.3	160.0	81.7	7.0	7.5	31.3	20.7	8.7
25	(MIX.1 X COL.GPC.1)ETC E	1003.6	71.3	133.3	66.3	2.7	2.5	23.3	13.7	5.3
	MEANS	2134.3	64.1	172.4	89.9	3.4	3.1	30.5	25.0	7.6
	LSD(.05)	1380.7								
	C.V.	35.2								

TABLE 18
STATION NAME AND LOCATION. FARM SUWAN,PAKCHONG,THAILAND.
COOPERATOR. NATL. CORN IMPROVEMENT PROGRAM.
LATITUDE. 14DG.30'N. LONGITUDE. 100DG.E. ELEVATION. 300M.
DATE OF PLANTING. 10 AUGUST,1972.
PRECIPITATION DURING CYCLE OF TEST. 890MM.
FERTILIZER USED. 400KG/HA. 18-22-0 PREPLANT PLUS 60KG/HA.OF N TOPDRESSED.
DISEASE DEVELOPMENT. H.MAYDIS AND F.POLYSORA.

NO.	VARIETY	GRAIN YIELD	DAYS FLOWER	HELM. MAYL. (1-5)	PLANT HT.	EAR HT.	ROOT LODG	NO. PLTS.	NO. EARS
9	VEN. 1 OPACO-2	4764.8	58.0	2.0	249.3	144.0	2.0	41.3	41.3
15	ICA-208	4592.4	56.0	2.7	240.3	139.7	1.0	42.0	39.0
24	COMP GRANO DURO	4524.4	57.0	2.5	264.7	160.0	1.7	41.0	40.3
19	THAI OPAQUE-2 COMP	4485.3	56.3	2.2	234.3	132.7	1.0	40.7	41.7
18	COMPOSITE K	4379.0	57.0	2.0	248.0	145.7	1.0	40.3	41.3
22	NICARILLO	4355.9	56.3	2.0	243.0	141.0	2.5	41.7	39.0
23	LA POSTA	4340.8	58.3	2.7	261.0	162.0	1.5	40.0	41.3
11	INIA 20 X 19	4312.8	56.3	2.8	247.3	141.3	2.0	42.3	39.3
12	INIA (AC X RD) ER2 ER2	4271.9	59.7	2.2	230.0	128.0	2.0	39.7	42.3
30	LOCAL NORMAL VARIETY	4182.4	57.7	2.0	230.7	133.3	1.0	39.7	43.0
17	AGROCERES 502	4100.4	58.0	2.3	249.0	142.7	3.0	40.7	40.0
16	AGROCERES 504	4050.2	55.3	2.3	245.0	139.7	2.0	35.3	38.0
28	COMP. BL. CARIBE	3982.4	58.7	2.8	248.0	147.0	1.5	41.7	40.3
29	LOCAL DZ VARIETY	3940.0	56.7	2.0	242.0	129.3	1.3	42.0	40.7
4	D 19	3766.1	58.0	2.7	240.0	140.3	2.0	41.0	39.7
3	D 17	3736.3	58.0	2.3	235.7	132.7	1.5	41.3	41.0
25	(MIX.1 X COL.GPO.1)ETO B	3668.5	55.7	2.8	222.0	116.7	0.0	41.3	38.0
20	TUXP. X ANT. GPO. 2	3584.0	57.7	3.2	236.3	139.3	5.5	41.7	35.7
26	COMP K X LA POSTA	3583.6	56.7	2.3	255.3	147.0	1.0	35.3	35.7
13	INIA H-412	3555.1	55.7	2.8	237.7	131.3	1.3	37.7	41.0
5	KATTAN	3510.9	55.0	3.2	233.3	128.0	1.0	40.7	39.7
8	VER. 161 X ANT. GPO. 2	3503.0	55.7	2.7	220.0	119.7	2.0	40.7	40.3
7	THAI OPAQUE-2 COMP I	3499.8	57.0	2.2	209.3	117.7	1.0	40.7	39.7
14	INIA COMP 412	3478.0	55.0	3.3	225.7	118.3	2.5	40.7	36.0
27	TUXP. PD(MS)6-SEL.AM.	3470.8	58.0	3.0	248.3	140.3	1.5	41.3	36.0
10	FOREMAIZ OPACO-2	3467.7	59.7	2.2	225.7	136.3	2.0	37.7	38.0
6	SHAKTY	3456.8	57.7	2.8	230.7	127.3	1.5	40.7	40.0
2	PROTEINA	3309.0	55.0	2.7	224.0	119.0	1.5	41.7	41.0
1	COMP OPACO	3115.3	56.0	3.0	212.3	116.7	2.3	41.7	39.0
21	CIMMYT OPAQUE-2 COMP	2625.8	54.0	3.7	215.0	119.7	3.7	41.3	34.7
	MEANS	3853.8	56.9	2.6	236.8	134.6	1.9	40.5	39.4
	LSD(.05)	1414.7							
	C.V.	22.2							

TABLE 19
STATION NAME AND LOCATION. KAWANDA RESEARCH STATION, UGANDA.
COOPERATOR. ELIZABETH B. RUEAIHAYO.
LATITUDE. DEG. 25' N. LONGITUDE. 32DEG.32' E. ELEVATION. 1219M.
DATE OF PLANTING. 23 AUGUST, 1972.
PRECIPITATION DURING CYCLE OF TEST. 601MM.
FERTILIZER USED. N-P 51-20 KG/HA.

NO.	VARIETY	GRAIN YIELD	DAYS FLOWER	PLANT HT.	EAR HT.	ROOT LODG	STALK LODG.	NO. PLTS.	NO. EARS	ROT. EARS
19	THAI OPAQUE-2 COMP	8142.4	75.3	235.0	123.3	3.0	0.0	23.0	28.3	2.0
24	COMP GRANO DURO	6571.8	73.7	245.3	146.0	6.7	1.0	28.3	42.7	3.5
22	NICARILLO	6382.9	71.7	216.7	125.7	8.7	0.0	29.3	42.7	6.0
30	LOCAL NORMAL VARIETY	6329.3	74.0	222.3	124.7	7.7	0.0	26.7	39.3	2.5
18	COMPOSITE K	6298.8	74.0	219.0	126.3	5.3	0.0	19.7	27.0	2.0
4	D 19	6197.4	73.3	224.7	131.7	5.7	0.0	28.0	43.3	5.0
12	INIA (AC X RD) BR2 BR2	6046.6	75.3	210.0	112.3	3.3	0.0	24.0	40.0	1.3
15	ICA-208	5969.9	70.0	220.0	123.0	5.7	0.0	30.0	40.7	4.3
20	TUXP. X ANT. GPU. 2	5911.8	74.3	210.7	118.0	5.0	0.0	29.3	34.3	2.3
26	COMP K X LA POSTA	5677.6	74.0	228.0	124.7	6.5	0.0	18.7	22.3	3.5
9	VEN. 1 OPACO-2	5636.9	74.0	222.3	126.0	5.5	0.0	26.7	39.7	5.3
2	PROTEINA	5619.1	68.3	183.3	103.0	6.0	1.0	30.0	41.3	3.3
26	COMP. BL. CARIBE	5575.6	75.0	211.7	120.0	6.7	0.0	27.3	35.0	2.0
23	LA POSTA	5485.1	72.0	229.7	136.3	4.3	0.0	24.7	36.3	3.7
3	D 17	5343.7	74.3	215.0	119.0	6.3	0.0	25.7	35.7	5.0
25	(MIX.1 X COL.GPO.1)ETC B	5328.3	69.7	206.7	125.7	11.7	0.0	25.0	36.7	8.7
29	LOCAL G2 VARIETY	5172.6	72.7	213.3	116.3	4.3	1.0	18.7	22.0	2.5
11	INIA 20 X 19	5112.4	74.7	204.7	111.7	7.3	0.0	24.7	33.7	3.0
5	KATTAN	4989.4	69.3	211.0	116.7	4.3	1.0	25.0	33.3	5.3
8	VER. 161 X ANT. GPO. 2	4944.3	69.7	187.7	107.7	4.7	0.0	27.0	34.0	2.0
7	THAI OPAQUE-2 COMP 1	4941.0	73.7	193.7	103.7	2.3	1.0	21.7	33.3	1.5
14	INIA COMP 412	4734.0	69.3	205.7	112.3	5.0	0.0	26.7	31.3	5.0
6	SHAKTY	4256.1	71.7	208.0	114.0	4.7	1.0	23.7	34.0	4.0
1	COMP OPACO	4205.2	68.3	179.7	93.7	9.0	0.0	24.7	32.3	3.5
16	AGROCERES 504	3995.0	72.0	231.3	124.7	3.0	0.0	13.3	22.3	3.0
17	AGROCERES 502	3896.2	74.0	216.3	121.3	3.7	0.0	18.7	25.7	6.7
10	FOREMATZ OPACO-2	3841.7	75.3	210.0	111.7	0.0	0.0	16.0	29.7	4.0
13	INIA H-412	3809.4	69.0	209.0	117.7	8.7	1.0	23.0	32.3	3.5
27	TUXP. PO(MS)6-SEL.AM.	3631.0	72.0	213.7	114.7	5.3	0.0	19.7	26.0	3.0
21	CIMMYT OPAQUE-2 COMP	3485.7	66.7	172.0	94.0	8.3	0.0	21.3	32.0	3.0
	MEANS	5215.4	72.2	211.9	118.2	5.8	1.0	24.0	33.6	3.8
	LSD(.05)	4322.1								
	C.V.	50.2								

Table 20
Station Name and Location: Poza Rica, Veracruz, Mexico
Cooperator: CIMMYT

No.	Variety	Grain Yield	Days Flower	Helm. Spp. (1-5)	Pucc. Spp. (1-5)	Plant Ht.	Ear Ht.	Root Lodg (%)	Stalk Lodg (%)	No. Plants	% Rot Ears
23	La Posta	4228	62	1.8	2.7	231	129	8.9	8.9	38	40
25	(Mix. 1 x Col. Gpo. 1)Eto B	3907	61	2.9	2.3	232	121	14.4	21.3	38	30
30	Local Normal Variety	3839	61	2.0	2.2	192	103	3.4	10.2	41	25
26	Comp. K x La Posta	3644	61	2.0	2.3	238	129	6.5	23.0	41	32
24	Comp. Grano Duro	3410	62	2.0	2.8	227	129	20.2	11.0	36	39
22	Nicarillo	3342	62	2.0	2.3	244	143	31.0	11.0	40	41
19	Thai opaque-2 Comp.	3235	59	2.0	2.5	222	121	7.0	31.4	38	30
27	Tuxp. PD(MS)6-Sel. Am.	3235	61	1.8	2.8	230	124	17.7	21.0	39	42
15	ICA-208	3215	59	2.3	3.5	233	130	10.2	26.3	39	30
21	CIMMYT opaque-2 Comp.	3196	61	2.0	3.2	237	126	8.4	26.3	40	34
28	Comp. Bl. Caribe	3176	62	2.7	2.5	227	119	12.2	19.4	40	29
7	Thai opaque-2 Comp-1	3118	58	1.8	2.5	210	111	3.2	37.0	40	32
29	Local 0_2 Variety	3059	63	2.3	2.7	234	129	8.3	35.6	39	34
12	INIA (AC x RD)br2 br2	2933	63	2.0	2.7	183	92	6.8	11.8	35	46
17	Agroceres 502	2855	61	2.0	3.0	241	131	5.6	26.9	30	31
18	Composite K	2855	59	2.0	2.8	228	123	9.4	30.1	40	41
16	Agroceres 504	2757	61	2.0	3.7	252	126	5.9	34.0	33	23
11	INIA 20 x 19	2748	55	2.7	3.5	213	113	0.0	67.3	38	43
20	Tuxp. x Ant. Gpo 2	2640	60	2.3	2.7	212	115	14.3	18.9	40	49
10	Foremaiz opaco-2	2562	63	2.2	3.0	221	117	7.6	19.4	40	42
9	Ven. 1 opaco-2	2494	61	2.0	2.2	230	116	9.5	12.9	39	34
2	Proteina	2387	56	2.2	3.5	191	99	7.6	41.8	35	56
8	Ver. 181 x Ant. Gpo. 2	2377	59	2.0	2.7	184	97	8.1	44.8	36	46
3	D 17	2290	60	2.0	3.2	206	113	4.1	33.7	41	35
13	INIA H-412	2280	56	2.7	3.7	207	107	5.2	51.4	38	53
14	INIA Comp. 412	2202	56	2.3	3.7	210	106	2.5	46.1	40	48
4	D 19	2153	59	2.0	3.7	218	126	3.1	38.0	41	52
6	Shakty	1627	57	2.0	3.8	212	108	5.2	45.6	39	67
5	Rattan	1510	59	2.3	3.7	210	105	6.8	57.7	39	52
1	Comp. Opaco	838	50	2.7	4.2	153	80	23.7	25.8	34	88
	MEANS	2804	60	2.1	3.0	218	116	9.2	29.6	38	41
	LSD(.05)	696									
	C.V.	15.1									

Table 21
Station Name and Location: Obregon, Sonora, Mexico
Cooperators: CIANO-CIMMYT

No.	Variety	Grain Yield	Days Flower	Plant Ht.	Root Lodg	Stalk Lodg	No. Plants	No. Ears	% Rot Ears
30	Local Normal Variety	3556	64	216	7	5	35	36	21
13	INIA H-412	3040	63	210	10	4	30	29	47
26	Comp. K x La Posta	3020	61	208	9	5	34	27	34
14	INIA Comp. 412	2962	62	212	8	7	33	33	26
3	D 17	2923	65	205	7	5	35	33	36
18	Composite K	2874	65	212	8	7	30	26	22
23	La Posta	2796	67	204	7	5	26	23	24
25	(Mix. 1 x Col. Gpo. 1)Eto B	2796	64	207	6	6	35	29	30
11	INIA 20 x 19	2757	61	207	6	5	32	32	34
16	Agroceres 504	2699	66	221	6	4	31	29	24
7	Thai opaque-2 Comp 1	2631	62	202	6	5	32	32	40
27	Tuxp. PD(MS)6 - Sel. Am.	2494	66	213	8	10	26	23	32
17	Agroceres 502	2455	65	209	9	11	26	25	40
22	Nicarillo	2426	66	219	9	6	29	28	25
20	Tuxp. x Ant. Gpo. 2	2397	63	214	10	6	30	27	33
9	Ven. 1 opaco-2	2358	66	226	7	4	35	35	36
4	D 19	2343	65	200	13	4	26	23	36
24	Comp. Grano Duro	2280	64	208	6	6	36	30	44
15	ICA 208	2231	64	195	10	9	25	22	23
29	Local 0_2 Variety	2173	64	208	8	6	33	27	30
21	CIMMYT opaque-2 Comp.	2163	60	285	8	4	37	29	48
2	Proteina	2104	61	193	8	6	33	28	45
12	INIA (AC x RD) br2 br2	2085	67	186	7	5	32	27	48
19	Thai opaque-2 Comp.	2085	64	207	8	4	33	29	44
10	Foremaiz opaco-2	2085	67	194	8	4	29	25	40
8	Ver. 181 x Ant. Gpo. 2	2075	60	184	9	5	29	28	44
6	Shakty	2066	61	202	10	6	32	29	54
28	Comp. Bl. Caribe	2066	64	208	7	6	35	28	42
5	Rattan	1929	62	208	11	9	34	27	54
1	Comp. opaco	1910	65	196	10	7	30	24	45
	MEANS	2459	64	209	8	6	31	28	37
	LSD(.05)	1135							
	C.V.	28.3							

Table 22
Station Name and Location: Tlaltizapan, Morelos, Mexico
Cooperator: CIMMYT

No.	Variety	Grain Yield	Days Flower	Plant Ht.	Lodg. %	% Rot. Ears
30	Local Normal Variety	6394	70	215	2	18
11	INIA (20 x 19)	6155	68	225	2	5
24	Comp. Grano Duro	5940	70	200	3	10
3	D 17	5928	68	187	2	12
13	INIA H-412	5737	67	207	2	10
17	Agroceres 502	5617	69	213	2	16
16	Agroceres 504	5558	72	208	2	11
14	INIA Comp. 412	5450	67	217	2	15
27	Tuxp. PD(MS)6-Sel. Am.	5354	68	210	2	21
5	Rattan	5343	68	195	3	12
25	(Mix. 1 x Col. Gpo. 1)Eto B	5342	70	203	3	30
6	Shakty	5283	66	208	3	21
23	La Posta	5271	69	218	3	8
7	Thai Opaque-2 Comp. 1	5235	68	208	3	10
2	Proteina	5223	66	182	3	8
15	ICA-208	5223	70	213	3	5
4	D 19	5211	70	208	3	11
1	Comp. opaco	5175	68	195	3	15
19	Thai opaque-2 Comp.	5151	71	212	2	15
12	INIA (AC x RD) br2 br2	5091	70	195	2	24
20	Tuxp. x Ant. Gpo. 2	5079	70	212	2	7
28	Comp. Bl. Caribe	4948	70	217	3	5
10	Foremaiz opaco-2	4948	70	212	2	11
26	Comp K x La Posta	4852	69	225	2	11
22	Nicarillo	4852	70	222	2	32
18	Composite K	4613	70	215	3	10
21	CIMMYT opaque-2 Comp.	4601	64	197	3	25
9	Ven. 1 opaco-2	4458	72	213	3	11
29	Local 0_2 Variety	4398	69	215	3	4
8	Ver. 181 x Ant. Gpo. 2	3992	67	193	3	7
	MEANS	5214	69	208	3	13
	LSD(.05)	1542				
	C.V.	18.0				

Table 23. Average Grain Yield (adjusted to a uniform 15% moisture and 80% shelling) in Kg/ha. for 30 entries included in the 1972-73 IOMT trials.

Var. No.	Pedigree	Average Yield	No. of Sites
19	Thai opaque-2 Comp.	4171	20
11	INIA 20 x 19	3948	20
15	ICA 208	3745	20
3	D 17	3736	20
2	Proteina	3714	20
18	Composite K	3701	20
30	Local Normal Variety	3700	20
22	Nicarillo	3691	20
29	Local 0_2 Variety	3663	20
4	D 19	3647	20
24	Comp. Grano Duro	3631	20
17	Agroceres 502	3605	20
28	Comp. Bl. Caribe	3550	20
12	INIA (AC x RD) br2 br2	3528	20
16	Agroceres 504	3527	20
5	Rattan	3518	20
14	INIA Comp. 412	3516	20
6	Shakty	3503	20
23	La Posta	3489	20
26	Comp. K x La Posta	3486	20
9	Ven. 1 opaco-2	3486	20
25	(Mix. 1 x Col. Gpo. 1)Eto B	3470	20
20	Tuxp. x Ant. Gpo. 2	3462	20
7	Thai opaque-2 Comp. 1	3368	20
13	INIA H-412	3348	20
27	Tuxp. PD(MS)6 - Sel. Am.	3297	20
8	Ver. 181 x Ant. Gpo. 2	3289	20
1	Comp. opaco	3216	20
10	Foremaíz opaco-2	3153	20
21	CIMMYT opaque-2 Comp.	3049	20

French translation by N. Bosso, Ivory Coast, at present associated with the Maize Program at CIMMYT.

Traducción al francés por N. Bosso, Costa de Marfil, actualmente asociado con el Programa de Maíz del CIMMYT

Traduction francaise vue pour N. Bosso, Ingénieur Agronomo, Côte de'Ivoire, actuallement associé au Programme de Maïs de CIMMYT.