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SCIENTIFIC, TECHNICAL AND RESEARCH COMMISSION
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**WEST AND CENTRAL AFRICA COLLABORATIVE
MAIZE RESEARCH NETWORK**



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COMPILATION OF DATA FROM
1991
REGIONAL UNIFORM VARIETY TRIALS

3273

OUAGADOUGOU, BURKINA FASO

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SEMI-ARID FOOD GRAIN RESEARCH AND DEVELOPMENT
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PREFACE

Regional variety trials form a major activity of the SAFGRAD Collaborative Maize Research Network for West and Central Africa. The trials permit the evaluation of the most promising early and extra-early maturing varieties across a range of locations. They therefore provide the national programs an opportunity to select varieties with superior performance for further testing and eventual use directly as new crop varieties or as source materials for establishing or modifying breeding projects. It is therefore not surprising that all the 17 member-countries of the Network participate actively in these regional trials yearly.

This report contains, for each trial, summaries of the analysed data per location for every participating country. In addition to the agronomic data, information on the weather, ecological situation, and agronomic operations, when available, has been included in the summary table for each location to facilitate a more meaningful interpretation of trial results. The report also includes results of across-site analysis of the trials ; presentation of the relative performance across the locations; and important conclusions from the trials.

The participation of trial cooperators is highly appreciated. Their careful conduct of the trials and timely return of data justify the significant investment that has gone into the development of the varieties, the multiplication of seed for the trials, the time-consuming process of trial packaging, and the expenses of trial despatch. It is our fervent hope that the contents of the report will encourage further use of appropriate varieties in extension and/or research as well as motivate the scientists for the development of even better and more appropriate varieties.

Ouagadougou, Burkina Faso

February 27, 1992

Joseph M. Fajemisin
Maize Network Coordinator

1. Description of trials

Two types of Regional Uniform Variety Trials (RUVT) were offered in 1991 to collaborators in the sub-region of West and Central Africa covered by SAFGRAD Maize Network namely :

- RUVT-Early : Early maturing varieties flowering about 50 days after planting and producing dry grains in 90-95 days.
- RUVT Extra-Early : Extra-early maturing varieties flowering 40-45 days after planting and producing dry grains in about 80 days.

The composition of each trial is given in Tables (i) and (ii). The experimental design was a randomized complete block with four replications. Each plot consisted of four 5-metre rows with 0.75 m between rows and within-row spacing of 40 cm at 2 plants/stand giving population density of 66,666 plants/ha. Only the two central rows were used for data recording and yield estimation.

2. Trial distribution and data recovery

A total of 76 sets were sent to 18 countries. Further details are shown in Table (iii). As at February 27, 1992, data were received from 63 sets from 16 countries. In addition, feedback was received from one (Cape Verde) of the two remaining countries that scanty rainfall led to crop failure.

3. Data presentation

The analysed data are summarized per trial per location in Tables 1.1-1.34 and 2.1-2.29 for RUVT-Early and RUVT Extra-Early, respectively.

The characters reported in the tables are listed below. The abbreviations of the data output as used on the data sheet are shown in parentheses.

(1) Grain Yield (YIELD)	In kilograms per hectare or tons per hectare corrected to 15% moisture. A shelling percentage of 80% is assumed when yield is reported as ear weight.
(2) Plant Stand (PL. ST.)	Total number of plants per plot obtained soon after thinning.
(3) Days to Tassel (DYS. TAS.)	The number of days from planting to the time when 50% of the plants have tassels emerged.
(4) Days to Anthesis (DYS. ANT.)	The number of days from planting to the time when 50% of the plants have started shedding pollen.

(5) Days to Silk (DYS. SLK)	The number of days from planting to the time when 50% of plants have silks emerged.
(6) Plant Height (PL. HT.)	Average height of plants in centimeters (cm) from the base of the plant to where tassel branching begins.
(7) Ear Height (E. HT.)	Average height in centimeters (cm) from the base of the plant to the node bearing the upper ear.
(8) Root Lodging (RL.)	The number of percentage of plants that are root-lodged or scored on a scale of 1 to 5 where 1 = not lodged and 5 = heavily lodged.
(9) Stalk Lodging (SL.)	The number or percentage of plants that are stalk-lodged or scored on a scale of 1 to 5 where 1 = not lodged and 5 = heavily lodged.
(10) Ear Rot (E. ROT)	The number or percentage of ears affected by ear rots or scored on a scale of 1 to 5 where 1 = clean and 5 = completely rotten ears.
(11) Plant Aspect (P. ASP)	Scored on a scale of 1 to 5 based on plant type (plant and ear heights), uniformity of plants, disease and insect damage and lodging on a scale of 1 to 5, where 1 = excellent and 5 = poor.
(12) Ear Aspect (E. ASP)	Scored on a scale of 1 to 5 based on cleanliness from disease and insect damage, ear size, uniformity, grain filling etc. A score of 1 = excellent and 5 = poor
(13) Husk Cover (HUSK)	Scored on a scale of 1 to 5; 1 = very tight tip, 5 = open tip over. In some instances, the number of ears with poor husk cover is recorded.
(14) Plants Harvested (P. HARV.)	Total number of plants harvested per plot.
(15) Ears Harvested (E. HARV.)	Total number of ears harvested per plot.
(16) Diseases and Pests	Scored on a scale of 1 to 5 ; 1 = very clean and 5 = very heavily infected/infested.

Table (i). Description of entries in RUVT Early, 1991.

ENTRY No	Name	PROPOSED BY	PARENTAGE	GRAIN TYPE
1	ACROSS 86 POOL 16 DR	SAFGRAD	Pool 16 (Tropical Early White Dent)	White-dent
2	ACROSS 88 POOL 16 DR	SAFGRAD	" "	White-dent
3	FARAKO-BA 88 POOL 16 DR (HD)	SAFGRAD	" "	White-dent
4	KAMBOINSE 88 POOL 16 DR	SAFGRAD	" "	White-dent
5	TZE COMP. 3 X 4	IITA	Composite of TZESR-W, DMR-ESRW, EV 30-SR and Pool 16 SR	White semi-dent
6	TZESRW-SE	IITA	TZESR-W, Floury gene donor	White floury
7	IKENNE 88 BU-ESRW	IITA	Back-up pool of early maturing germplasm	White semi-dent
8	EV 8730-SR BC6	IITA	Pop 30 (Blanco Cristallino-2)	White flint
9	EV 8731-SR BC6	IITA	Pop 31 (Amarillo Cristallino-2)	Yellow flint
10	MAKA-SR BC3 F3	SAFGRAD	Maka (from Mauritania), SR Donor	Yellow semi-flint
11	BDP-SR BC3 F3	SAFGRAD	BDP (local variety from Benin), SR donor	White flint
12	FBC 6	BURKINA FASO	A Composite of DMR-ESRY, Rod 6, Rod 12, Revolution précoce, FBC4, Maka, IRAT 217 and TZESR-Y C2.	Yellow semi-flint
13	SAFITA-2 (RE)	SAFGRAD	Pool 16 (Tropical Early White-Dent)	White-dent
14	CHECK	-	Various	Various

Table (ii). Description of entries in RUVT Extra-Early, 1991.

ENTRY		PROPOSED BY	PARENTAGE	GRAIN TYPE
No.	Name			
1	CSP-SR BC3 F3	IITA-SAFGRAD	Compuesto Selection Precoz, SR source	Yellow flint
2	TZEE-WSR BC3 F3	" "	Local & introduced vars, SR source	White semi-dent
3	TZEE-YSR BC3 F3	" "	Local & introduced vars, SR source	Yellow flint
4	TZESRW X GUA 314 BC1 F6	" "	TZESRW x Columbian var.	White flint
5	CSP	" "	Compuesto Selection Precoz	Yellow flint
6	TZEE-W	" "	Local & introduced vars.	White semi-dent
7	TZEE-Y	" "	Local & introduced vars.	Yellow flint
8	CSP X L. RAYTIRI F6	" "	CSP X Local variety	Yellow flint
9	TZEF-Y	" "	Local & introduced vars.	Yellow flint
10	CHECK	Collaborator	Various	Various

Table (iii). Number of sets of Regional Uniform Variety Trials (RUVT) requested per country, 1991.

COUNTRY	NUMBER OF TRIALS REQUESTED		
	RUVT-EARLY	RUVT EXTRA-EARLY	TOTAL
BENIN	3	2	5
BURKINA FASO	3	3	6
CAMEROON	3	3	6
CAPE VERDE	1	0	1
CENTRAL AFRICAN REPUBLIC	2	2	4
COTE D'IVOIRE	3	3	6
GAMBIA	2	2	4
GHANA	3	3	6
GUINEA	2	1	3
GUINEA BISSAU	2	2	4
MALI	2	3	5
MAURITANIA	1	1	2
NIGER	2	1	3
NIGERIA	3	3	6
SENEGAL	2	2	4
SIERRA LEONE	1	2	3
TCHAD	2	2	4
TOGO	2	2	4
 TOTAL	39	37	76

Other abbreviations used in the report are :

- RE Reference entry A check entry supplied by the Network.
- CV Coefficient of variation: Indicates the degree of precision of a trial, with lower CVs signifying greater precision.
- 5% LSD Least significant difference: Minimum difference required between two varieties for them to be considered significantly different at the 5% probability level.

4. Discussion

There was good plant establishment in practically all the locations and this was sustained through harvesting. For most of the locations, the season was much wetter than 1990. For instance, Kamboinse near Ouagadougou in Burkina Faso received 1022 mm compared with 576 mm in 1990 and with a long-term average of 800 mm. Nevertheless, Mauritania and Cape Verde recorded below average rainfall.

Precision level of the trials remained reasonably satisfactory with 70 % of the trials having CV values not greater than 30% and 52% of the trials recorded CV of 20% or less. Grain yields were generally higher in 1991 compared to 1990. The average yields across-locations (where CV was not greater than 20%) were 5.1 and 4.4 t/ha for early and extra-early varieties, respectively in 1991 compared with 4.2 and 3.5 t/ha, respectively for 1990. A principal factor for the high yields generally obtained from SAFGRAD Early and Extra-early variety trials is the high plant population used. For the early varieties, the number of plants at harvest averaged 64,800 plants/ha and produced 59,600 ears/ha (Table 3.1). Comparative figures for the extra-early varieties were 61,600 plants/ha and 59,200 ears/ha (Table 3.2).

On the average, extra-early varieties flowered a week earlier than varieties in RUVT-Early. Days to 50% silking ranged from 51 to 55 days for RUVT-Early and 42-48 days for the extra-early varieties. Extra-Early varieties are, on the average, about 24 cm shorter than the early-maturing varieties.

Across-location combined analysis in RUVT-Early for 20 locations (12 countries), where CV was not above 20%, revealed highly significant main effect for varieties and locations and for the Location x Variety interaction for grain yield and other important agronomic traits such as flowering, and plant and ear heights. Kamboinse 88 Pool 16 DR (5.48 t/ha) and EV 8731-SR BC6 (5.44 t/ha) produced the highest yields whilst BDP-SR BC3 (4.53 t/ha) was the lowest yielder. The highest yield-producing locations were in Cameroon (7.61, 7.49 and 7.24 t/ha for Soucoundou, Sanguere, and Maroua, respectively) whereas the lowest yields were obtained from Bambari in Central African Republic.

Generally, Pool 16 DR varieties were the earliest maturing among the varieties tested in RUVT-Early whilst BDP-SR BC3 was the latest to flower. Therefore, although lateness is, generally, positively correlated with grain yield, it is possible within a broad maturity group to increase yield while retaining the early maturity trait as is the case for the variety Kamboinse 88 Pool 16 DR. Similarly, although positive correlation between plant height and yield is the norm for maize, in this trial the tallest entry, BDP-SR BC3 (198 cm) produced the lowest yield whereas the highest yielding entry, Kamboinse 88 Pool 16 DR (172 cm) was among the shortest varieties.

Although the yield level of the soft endosperm variety, TZESR-W-SE is lower than the other varieties, it is not inferior in yield to the varieties used as check in most locations.

In the RUVT Extra-Early, the streak resistant varieties were significantly higher yielding than their non-resistant counterparts by as much as 42% (1.57 t/ha). TZEE-WSR and TZEE-YSR, however, flowered 4 and 3 days, respectively later than their non-SR versions but CSP-SR flowered at the same time as CSP. The SR versions were more vigorous and more resistant to other foliar diseases (rust, blight and *Curvularia* leaf spot) than their non-SR counterparts. TZEE-WSR was the highest yielding entry (5.25 t/ha); it outperformed the lowest yielding entry TZEE-Y by over 2 t/ha even though it was only 5 days later in flowering.

The relative performance of varieties in RUVT-Early and RUVT Extra-Early is graphically presented in Figs. 1 and 2.

5. Conclusion

Results from the regional trials over the past 4 years showed that there are Pool 16 DR varieties which significantly outyielded SAFITA-2. Pool 16 DR varieties are, in addition, streak resistant whereas SAFITA-2 is not. It is therefore recommended that all countries that have hitherto released SAFITA-2 should consider replacing it with either Kamboinse 88 Pool 16 DR or Farako-Bâ 88 Pool 16 DR(HD) in order to assure yield stability.

In countries or areas where soft endosperm maize is preferred, TZESRW-SE is an improvement over available local varieties in yield, disease resistance and hence stability. Makas-R is a promising variety; its yield level, plant type and standability will be improved as we progress with the streak resistance conversion. There is some, though limited, room for improvement in BDP-SR.

The improvement of the extra-early varieties in plant type, and resistance to fungal foliar diseases and streak virus has enlarged their area of adaptation and possible adoption to include the humid forest zone. At the same time, they remain an attractive option in the semi-arid zone as a result of their extra-earliness.

RUVT-EARLY

RUVT EARLY 1991
 COOPERATOR : R.A. DOSSOU
 LOCATION : BAGOU (BENIN)

Table 1-1

NO. OF REPS = 4

NO. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. ST.	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	E. ROT	RUST	HELM	CURV.	STR
3 FARAKO-BA 88 POOL 16 DR(HD)	5406	49	39	152	78	4	1	39	37	4	1.1	1.1.	1.5	1.8
5 TZE COMP. 3 X 4	5106	50	36	160	69	10	0	36	36	2	1.1	1.1	1.5	1.2
13 SAFITA-2 (RE)	5026	49	34	152	78	12	1	34	33	3	1.1	1.1	1.3	1.5
8 EV 8730-SR BC6	5008	51	36	166	85	13	0	36	37	2	1.1	1.1	1.8	1.0
7 IKENNE 88 BU-ESRW	4812	51	35	160	78	9	0	34	34	3	1.1	1.1	1.8	1.1
12 FBC 6	4761	53	43	177	99	16	1	40	37	3	1.2	1.0	1.6	1.5
2 ACROSS 88 POOL 16 DR	4533	50	31	142	66	11	0	30	31	3	1.1	1.0	1.3	1.1
9 EV 8731-SR BC6	4532	50	34	160	73	11	1	34	32	4	1.1	1.1	1.6	1.1
1 ACROSS 86 POOL 16 DR	4481	49	33	150	65	7	0	33	32	4	1.4	1.1	1.5	1.5
4 KAMBOINSE 88 POOL 16 DR	4291	51	33	154	75	14	1	33	31	3	1.2	1.0	1.6	1.3
6 TZESR-W-SE	4170	53	39	147	79	11	1	39	38	5	1.1	1.0	1.4	1.2
11 BDP-SR BC3 F3	4136	51	37	185	107	15	1	37	39	3	1.1	1.2	1.2	1.3
14 CHECK (Kamb. 84 TZESR-W)	3839	49	37	144	78	12	1	37	35	5	1.3	1.0	1.4	1.3
10 MAKASR BC3 F3	3743	53	36	177	96	11	3	35	32	5	1.3	1.1	2.2	1.2
OVERALL MEAN	4560	50.5	35.8	158.8	80.3	11.1	0.8	35.2	34.4	3.3	1.1	1.1	1.5	1.3
STANDARD ERROR	207	0.4	0.7	5.2	4.4	1.5	0.3	0.6	0.9	0.5	0.0	0.0	0.1	0.1
LSD 5%	NS	2.0	3.6	NS	23.8	NS	NS	3.2	4.8	2.7	0.2	-	0.5	0.4
PROB. OF F.	0.125	0.001	0.000	0.075	0.027	0.255	0.098	0.000	0.010	-	0.014	-	0.014	0.050
COEFF. OF VARIATION	17.0	2.7	7.0	12.4	20.7	49.8	146	6.5	9.9	57.9	10.4	10.4	21.1	23.9

Planted : 19 June

Harvestes : 13 Oct.

Weather : Favourable

Season Rainfall (June-Sept) : 682 mm

Total Annual Rainfall : 1161 mm

Fertilizer : 60 kg N, 40 kg P₂O₅, 0 kg K₂O/ha

Latitude : 10°42'N

Longitude : 2°30'E

Altitude :

RUVT EARLY 1991
 COOPERATOR : R.A. DOSSOU
 LOCATION : GUENE (BENIN)

Table 1-2

NO. OF REPS = 4

NO. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. ST.	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	E. ROT	RUST	HELM	CURV.	STR	INSECT
1 ACROSS 86 POOL 16 DR	3557	50	50	169	72	4	4	39	42	0	2.0	2.3	2.4	1.1	1.3
9 EV 8731-SR BC6	3539	52	52	163	71	5	4	42	40	0	2.0	2.4	2.3	1.0	1.0
4 KAMBOINSE 88 POOL 16 DR	3451	53	52	166	84	4	4	40	39	0	2.1	2.3	2.5	1.3	1.5
2 ACROSS 88 POOL 16 DR	3106	52	49	155	74	2	5	37	37	0	2.0	2.3	2.4	1.1	1.3
7 IKENNE 88 BU-ESRW	3034	51	50	169	81	5	5	39	39	0	2.0	2.6	2.3	1.0	1.3
5 TZE COMP. 3 X 4	2807	55	55	159	69	4	4	40	35	0	2.0	2.3	2.4	1.1	2.0
8 EV 8730-SR BC6	2746	56	53	158	64	3	3	36	35	0	2.1	2.2	2.2	1.0	1.0
14 CHECK (Kamb. 84 TZESRW)	2418	51	53	149	64	3	7	34	32	0	2.1	2.1	2.3	1.0	1.5
13 SAFITA-2 (RE)	2397	51	53	146	73	9	7	41	34	0	2.2	2.3	2.5	1.3	1.0
11 BDP-SR BC3 F3	2373	55	47	200	116	2	7	35	34	0	2.0	2.2	2.3	1.3	1.0
12 FBC 6	2121	57	53	185	102	3	6	41	30	0	2.0	2.3	2.4	1.3	1.3
3 FARAKO-BA POOL 16 DR(HD)	2074	52	52	146	69	5	7	40	32	0	2.0	1.8	2.5	1.2	1.3
10 MAKASR BC3 F3	1931	58	55	182	107	4	7	37	31	0	2.1	2.4	2.5	1.1	1.3
6 TZESR-W-SE	1662	57	55	149	62	4	3	40	30	1	2.0	2.3	2.3	1.0	1.3
OVERALL MEAN	2658	53.4	52.0	163.9	79.0	3.9	5.0	38.5	34.9	0.1	2.0	2.3	2.4	1.1	1.3
STANDARD ERROR	255	0.5	1.4	6.3	4.5	0.7	0.7	0.9	1.9	0.1	0.0	0.1	0.1	0.0	0.1
LSD 5%	NS	2.8	7.7	NS	23.9	NS	NS	NS	NS	0.4	NS	NS	0.3	NS	0.7
PROB. OF F.	0.108	0.000	-	0.645	0.000	0.088	0.108	0.074	0.272	0.347	0.171	0.249	0.037	0.243	-
COEFF. OF VARIATION	35.9	3.7	10.3	14.4	21.2	67.3	48.9	9.2	20.4	563	5.9	12.2	79	14.7	36.8

Planted : 19 June

Harvested : 11 Oct.

Weather :

Season' Rainfall (June-Sept.) : 549 mm

Total Annual Rainfall : 764 mm

Fertilizer : 60 kg N, 40 kg P₂O₅, 0 kg K₂O/ha

Latitude : 11°45'N

Longitude : 3°15'E

Altitude : 292 m

RUVT EARLY 1991
 COOPERATOR : R.A. DOSSOU
 LOCATION : INA (BENIN)

Table 1-3

NO. OF REPS = 4

NO. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. ST.	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	E. ROT	RUST	HELM	CURV.	STR
9 EV 8731-SR BC6	6027	54	48	189	97	4	2	47	47	1	1.0	1.0	1.2	1.3
4 KAMBOINSE 88 POOL 16 DR	5819	53	48	181	102	1	1	47	46	1	1.3	1.0	1.4	1.4
5 TZE COMP. 3 X 4	5327	53	51	191	92	2	1	50	48	1	1.3	1.1	1.2	1.2
8 EV 8730-SR BC6	5093	54	49	184	84	4	2	47	47	1	1.4	1.0	1.3	1.2
3 FARAKO-BA 88 POOL 16 DR(HD)	5042	52	49	188	94	4	2	48	44	2	1.5	1.1	1.6	1.9
7 IKENNE 88 BU-ESRW	5018	54	50	181	89	1	3	50	48	3	1.6	1.0	1.4	1.1
2 ACROSS 88 POOL 16 DR	4846	53	46	176	82	3	2	44	42	1	1.8	1.0	1.3	1.8
13 SAFITA-2 (RE)	4577	53	51	167	96	3	1	49	46	1	1.4	1.0	1.1	3.7
1 ACROSS 86 POOL 16 DR	4568	53	47	172	80	5	3	46	45	1	1.4	1.1	1.6	2.0
6 TZESR-W-SE	4556	55	51	197	92	4	3	50	47	1	1.5	1.0	1.2	1.1
12 FBC 6	4429	58	50	191	112	5	4	48	46	3	1.1	1.1	1.4	1.7
11 BDP-SR BC3 F3	4191	55	49	203	118	4	4	47	46	1	1.5	1.0	1.3	2.1
14 CHECK (KAMB 84 TZESR-W)	4128	51	50	184	102	2	4	48	47	2	1.9	1.0	1.1	1.4
10 MAK-SR BC3 F3	4056	55	50	183	94	5	5	49	46	0	1.4	1.1	1.6	1.3
OVERALL MEAN	4834	53.6	49.1	184.6	94.5	3.1	2.6	47.7	46.0	1.3	1.4	1.0	1.3	1.7
STANDARD ERROR	133	0.4	0.9	3.7	3.5	0.7	0.5	0.8	1.0	0.5	0.1	0.0	0.1	0.2
LSD 5%	711	1.9	4.6	NS	18.6	NS	2.7	NS	NS	NS	NS	NS	NS	0.8
PROB. OF F.	0.000	0.000	-	0.062	0.011	0.334	0.048	0.458	-	-	0.346	0.344	0.130	0.000
COEFF. OF VARIATION	10.3	2.5	6.5	7.5	13.7	82.7	69.1	6.7	7.9	142	29.4	7.1	21.4	33.7

Planted : 11 June
 Harvested : 4 Oct.
 Weather :
 Season's Rainfall (June-Sept.) : 807 mm
 Total Annual Rainfall : 1169 mm

Fertilizer : 60 kg N, 40 kg P₂O₅, 0 kg K₂O/ha
 Latitude : 9°21'N
 Longitude : 2°37'E
 Altitude : 393 m

RUVT EARLY 1991

COOPERATOR: SANOU JACOB

LOCATION: FARAKO-BA (BURKINA FASO)

Table 1-4

NO. OF REPS = 4

NO OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. ST	PL HT	E. HT	RL	SL	P. HARV	E. HARV	E. ROT	RUST	HELM	STR	POOR	P. ASP
4 KAMBOINSE 88 Pool 16 DR	7462	54	51	183	88	1	1	52	49	1	1.4	1.6	2	11	1.5
12 FBC 6	7025	58	51	203	98	1	1	51	47	1	1.7	1.8	1	9	2.1
8 EV 8730-SR BC6	6816	56	52	188	89	2	0	52	50	1	1.0	1.6	1	7	1.8
9 EV 8731-SR BC6	6419	55	52	183	83	1	1	51	48	1	1.5	1.6	1	14	1.9
2 Across 88 Pool 16 DR	6307	54	52	175	76	2	0	52	50	1	1.4	1.8	0	8	2.0
5 TZE Comp 3 x 4	6226	54	52	181	80	7	1	51	48	1	1.0	1.5	0	7	1.8
10 MAKASR BC3 F3	6146	55	53	186	85	3	4	52	48	2	1.6	2.3	0	13	2.3
13 SAFITA-2 (RE)	5967	54	51	179	75	5	1	51	45	1	1.3	1.8	2	4	2.0
7 IKENNE 88 BU-ESR-W	5944	53	52	170	76	4	1	52	48	1	1.4	1.8	0	7	2.6
14 CHECK (Maka)	5680	55	50	174	89	4	4	50	48	2	1.5	2.9	1	12	2.6
1 ACROSS 86 POOL 16 DR	5664	54	52	169	71	4	0	51	47	1	1.1	1.9	0	8	2.5
6 TZESR-W-SE	5611	56	52	179	70	2	1	52	48	2	1.6	1.9	0	9	2.1
11 BDP-SR BC3 F3	5573	54	53	209	101	4	2	52	49	1	1.4	1.9	1	4	1.9
3 FARAKO-BA POOL 16 DR (HD)	5269	54	51	164	68	6	0	51	45	1	1.0	1.9	0	7	2.9
OVERALL MEAN	6150	54.6	51.5	181.4	82.0	3.4	1.1	51.4	47.7	1.0	1.3	1.9	0.4	8.4	2.1
STANDARD ERROR	233	0.4	0.4	3.8	2.8	0.7	0.3	0.3	1.2	0.3	0.1	0.1	0.4	1.0	0.2
LSD 5%	1248	2.2	NS	20.4	15.2	NS	1.7	1.8	NS	NS	0.5	0.4	0.9	5.3	NS
PROB. OF F	0.047	0.006	-	0.004	0.001	0.116	0.001	0.440	-	-	0.049	0.000	0.015	0.010	0.205
COEFF. OF VARIATION	14.2	2.9	2.9	2.9	7.9	13.0	76.9	106	2.4	9.1	105	24.1	150	44.0	315

Planted : 26 June

Fertilizer : 97 kg N, 26 kg P₂O₅, 53 kg K₂O/ha and organic manure

Harvested : 2 Oct.

Latitude : 11°06'

Weather : Favourable

Longitude : 4°20'

Season's Rainfall (June-Sept) : 636 mm

Altitude : 405 m

Total Annual Rainfall : 956 mm

RUVT EARLY 1991

COOPERATOR : IITA/SAFGRAD

LOCATION : KAMBOINSE (BURKINA FASO) SIMPLE RIDGES.

Table 1-5

NO. OF REPS = 4

NO. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. ST.	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	E. ROT	POOR HUSK	E. ASP.	DYS TAS.	DYS ANT
3 FARAKO-BA 88 POOL 16 DR(HD)	3584	49	53	164	78	0	3	53	50	0	1	1.9	45	47
6 TZESR-W-SE	3483	52	52	170	86	0	3	53	46	0	1	2.1	45	47
5 TZE COMP. 3 X 4	3426	52	52	169	87	1	3	52	49	0	1	2.3	47	49
2 ACROSS 88 POOL 16 DR	3414	50	53	164	77	2	3	51	49	0	1	2.0	46	48
8 EV 8730-SR BC6	3402	54	53	170	93	1	2	52	47	0	0	1.9	50	51
9 EV 8731-SR BC6	3400	52	53	174	76	0	3	52	49	1	2	2.0	47	49
10 MAKASR BC3 F3	3393	54	55	187	98	1	8	53	48	1	3	2.0	50	51
7 IKENNE 88 BU-ESRW	3585	52	52	173	85	1	3	52	50	0	0	2.1	46	48
14 CHECK (Jaune Flint de Saria)	3370	46	50	167	80	2	7	49	46	1	1	1.9	43	44
4 KAMBOINSE 88 POOL 16 DR	3243	52	51	167	83	1	3	51	45	1	0	2.3	48	50
13 SAFITA-2 (RE)	3243	52	54	166	70	2	4	52	49	0	1	2.5	47	49
11 BDP-SR BC3 F3	3129	53	52	200	115	1	7	51	49	1	1	2.4	48	50
1 ACROSS 86 POOL 16 DR	3107	51	52	163	76	0	3	52	48	0	2	2.3	47	50
12 FBC 6	2799	54	51	185	96	1	6	48	40	1	1	2.6	49	51
OVERALL MEAN	3313	51.5	52.2	172.6	85.7	0.9	4.0	51.3	47.4	0.3	1.0	2.2	46.9	48.9
STANDARD ERROR	109	0.3	0.5	2.3	3.2	0.3	0.7	0.7	1.0	0.2	0.3	0.1	0.3	0.3
LSD 5%	NS	1.8	NS	12.5	17.2	NS	NS	NS	5.2	NS	1.5	0.4	1.8	1.9
PROB. OF F.	-	0.000	0.078	0.000	0.001	0.264	0.062	0.271	0.039	-	0.024	0.014	0.000	0.000
COEFF. OF VARIATION	12.3	2.4	3.8	5.0	14.1	131	67.7	4.9	7.6	216	104	13.	2.6	2.7

Planted : 1 July

Harvested : 3 Oct.

Weather : Favourable

Season's Rainfall (June-Sept.) : 660 mm

Total Annual Rainfall : 1022 mm

Fertilizer : 83 kg N, 46 kg P₂O₅, 28 kg K₂O/ha

Latitude : 12°30'N

Longitude : 1°33'W

Altitude : 300 m

RUVT EARLY 1991
 COOPERATOR : SANOU JACOB
 LOCATION : KAMBOINSE - TIED RIDGES (BURKINA FASO).

Table 1-6

No. OF REPS = 4

No. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. ST.	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	DYS TAS.
7 IKENNE 88 BU-ESRW	4814	46	33	192	100	7	0	36	42	45
6 TZESR-W-SE	4095	47	33	185	93	1	0	33	35	45
9 EV 8731-SR BC6	3703	48	40	187	97	13	1	38	36	47
10 MAKAK-SR BC3 F3	3090	47	38	210	117	6	3	37	34	46
11 BDP-SR BC3 F3	2952	47	37	222	117	8	2	37	32	46
4 KAMBOINSE 88 POOL 16 DR	2905	48	38	172	90	11	2	35	31	46
8 EV 8730-SR BC6	2899	47	35	177	95	10	1	33	32	46
1 ACROSS 86 POOL 16 DR	2894	47	32	172	87	5	1	31	31	46
5 TZE COMP. 3 X 4	2786	48	36	172	90	11	1	33	30	46
2 ACROSS 88 POOL 16 DR	2495	46	31	190	93	6	1	31	32	45
12 FBC 6	2128	47	31	172	92	3	2	29	26	45
3 FARAKO-BA 88 POOL 16 DR (HD)	1687	47	32	172	92	7	1	30	25	46
14 CHECK (Maka)	1667	48	27	173	88	3	3	25	23	47
13 SAFITA-2 (RE)	1559	49	30	167	83	7	0	29	22	48
OVERALL MEAN	2834	47.2	34.0	182.9	95.2	7.2	1.4	32.7	30.6	46.0
STANDARD ERROR	341	0.6	2.1	7.6	6.0	0.103	0.6	2.1	2.4	0.6
LSD 5%	NS	NS	NS	NS	NS	7.3	NS	NS	NS	NS
PROB. OF F.	0.151	0.701	-	-	-	1.2	-	-	0.412	-
COEFF. OF VARIATION	45.1	4.5	23.6	15.5	28.8	60.9	152	24.2	29.6	4.5

Planted : 14 July

Harvested : 18 Oct.

Weather : Favourable

Season's Rainfall (June-Sept): 660 mm

Total Annual Rainfall : 1022 mm

Fertilizer

Latitude : 12°30'N

Longitude : 1°33'W

Altitude : 300 m

Remarks :

- Planted too late

- Ridges tied in a very wet year

- Poor plant stand

RUVT EARLY 1991
 COOPERATOR : CHARLES THE
 LOCATION : MAROUA (CAMEROON)

Table 1-7

NO. OF REPS = 4

NO. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. HT	E. HT.	RL	SL	P. HARV	E. HARV	E. ROT
9 EV 8731-SR BC6	8922	51	227	105	1	14	45	47	0
7 IKENNE 88 BU-ESRW	8206	51	212	91	0	8	44	49	0
4 KAMBOINSE 88 POOL 16 DR	8011	50	205	95	1	6	41	42	1
10 MAKASR BC3 F3	8004	52	218	102	1	13	40	46	0
1 ACROSS 86 POOL 16 DR	7591	51	192	86	1	4	44	45	0
6 TZESRW-SE	7430	52	163	91	1	11	45	49	0
13 SAFITA-2 (RE)	7389	52	204	90	1	4	45	47	0
5 TZE COMP. 3 X 4	7273	51	196	90	1	9	41	43	0
3 FARAKO-BA 88 POOL 16 DR(HD)	7271	52	210	97	1	6	40	45	0
12 FBC 6	6910	54	205	98	1	11	34	38	0
11 BDP-SR BC3 F3	6342	51	236	129	0	12	41	45	0
2 ACROSS 86 POOL 16 DR	6330	51	177	82	2	4	35	39	0
8 EV 8730-SR BC6	6201	52	200	95	1	8	34	38	0
14 CHECK (Syn E1)	5499	53	183	90	1	4	23	31	0
OVERALL MEAN	7241	51.6	202.0	95.6	0.7	8.1	39.4	43.0	0.1
STANDARD ERROR	283	0.4	6.9	3.7	0.3	1.4	1.6	1.5	0.1
LSD 5%	1514	NS	36.8	20.0	NS	NS	8.7	7.8	NS
PROB. OF F.	0.004	0.099	0.024	0.011	-	0.059	0.000	0.001	-
COEFF. OF VARIATION	14.6	3.2	12.7	14.6	166	63.5	15.5	12.6	277

Planted :

Harvested : 19 Oct.

Weather :

Season's Rainfall (June-Sept) :

Total Annual Rainfall :

Fertilizer :

Latitude : 10°35'N

Longitude : 14°20'E

Altitude :

RUVT EARLY 1991
 COOPERATOR : CHARLES THE
 LOCATION : SANGUERE (CAMEROON)

Table 1-8

No. OF REPS = 4

No. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. ST.	PL. HT.	E. HT	RL	SL	P. HARV	E. HARV	E. ROT
9 EV 8731-SR BC6	8330	54	49	168	81	6	5	49	50	2
7 IKENNE 88 BU-ESRW	7951	54	51	160	75	6	5	50	53	0
4 KAMBOINSE 88 POOL 16 DR	7808	54	49	175	83	6	3	48	48	1
3 FARAKO-BA 88 POOL 16 DR(HD)	7722	53	49	167	77	5	4	47	47	1
1 ACROSS 86 POOL 16 DR	7694	52	52	174	74	5	4	51	49	1
8 EV 8730-SR BC6	7637	55	51	177	69	15	2	49	51	2
10 MAKASR BC3 R3	7629	54	52	182	88	18	14	51	52	2
12 FBC 6	7565	54	47	194	101	10	9	45	47	1
14 CHECK (Syn E1)	7565	55	43	152	73	8	4	39	43	2
13 SAFITA-2 (RE)	7438	53	46	167	69	6	4	46	50	1
2 ACROSS 88 POOL 16 DR	7217	53	49	175	90	4	2	44	47	2
6 TZESR-W-SE	7177	49	50	167	75	11	6	49	49	1
5 TZE COMP. 3 X 4	6866	54	49	184	88	6	4	48	47	1
11 BDP-SR BC3 F3	6220	55	52	196	100	9	5	48	55	2
OVERALL MEAN	7487	53.4	49.2	173.9	81.4	8.1	5.0	47.4	49.1	1.2
STANDARD ERROR	206	0.5	1.1	4.9	3.8	1.1	1.1	1.1	1.1	0.3
LSD 5%	NS	2.5	NS	NS	20.5	5.9	5.9	5.8	5.7	NS
PROF. OF F.	0.094	0.005	0.130	0.090	0.034	0.001	0.028	0.019	0.019	-
COEFF. OF VARIATION	10.3	3.3	8.0	10.6	17.6	50.7	82.4	8.5	8.1	98.3

Planted : 6 June
 Harvested : 30 Sept.
 Weather :
 Season's Rainfall (June-Sept):
 Total Annual Rainfall :

Fertilizer :
 Latitude : 9°17'N
 Longitude : 13°22'E
 Altitude : 240 m

RUVT EARLY 1991
 COOPERATOR : CHARLES THE
 LOCATION : SOUCOUNDOU (CAMEROON)

Table 1-9

NO. OF REPS = 4

NO. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. HT.	E. HT	RL	SL	P. HARV	E. HARV	E. ROT
9 EV 8731-SR BC6	8427	50	173	86	4	1	46	52	0
4 KAMBOINSE 88 POOL 16 DR	8405	48	175	85	4	1	51	53	0
2 ACROSS 88 POOL 16 DR	8173	50	171	74	2	0	49	51	0
14 CHECK (Syn E1)	8166	51	165	68	5	1	48	50	0
13 SAFITA-2 (RE)	8037	49	168	74	4	1	50	51	0
12 FBC 6	7941	58	184	90	6	1	48	48	1
3 FARAKO-BA 88 POOL 16 DR (HD)	7866	49	163	78	3	1	48	51	0
7 IKENNE 88 BU-ESRW	7569	50	163	88	3	0	48	52	0
10 MAKASR BC3 F3	7439	52	205	114	5	1	45	50	1
1 ACROSS 86 POOL 16 DR	7339	47	181	79	4	0	47	50	0
6 TZESR-W-E	7306	49	165	83	4	0	49	52	0
8 EV 8730-SR BC6	7220	50	176	93	2	0	49	53	0
5 TZE COMP. 3 X 4	6667	49	160	52	3	2	45	47	0
11 BDP-SR BC3 F3	6008	55	201	115	6	1	42	51	0
OVERALL MEAN	7612	50.4	174.9	83.9	3.8	0.6	47.3	50.7	0.2
STANDARD ERROR	210	0.2	5.1	4.4	0.6	0.3	1.3	1.0	0.1
LSD 5%	1125	0.9	27.4	23.6	3.3	NS	NS	NS	0.6
PROB. OF F.	0.004	0.000	0.036	0.000	0.349	-	-	0.722	0.047
COEFF. OF VARIATION	10.3	1.2	11.0	19.6	60.3	177	10.0	7.7	202

Planted :
 harvested :
 Weather :
 Season's Rainfall (June -Sept) :
 Total Annual Rainfall :

Fertilizer :
 Latitude :
 Longitude :
 Altitude :

RUVT EARLY 1991

COOPERATOR : C. GANGLAOU

LOCATION : BAMBARI (CENTRAL AFRICAN REPUBLIC)

Table 1-10

NO. OF REPS = 4

NO. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. HT	E. HT	RL	SL	E. HARV	E. ROT	RUST	HELM.
9 EV 8731-SR BC6	2794	54	146	56	1	4	39	8	1.5	1.0
5 TZE COMP. 3 X 4	2439	53	130	59	0	2	42	5	1.5	1.0
2 ACROSS 88 POOL 16 DR	2388	54	140	59	1	4	41	4	1.8	1.0
3 FARAKO-BA 88 POOL 16 DR (HD)	2350	53	140	58	3	5	40	4	1.3	1.0
7 IKENNE 88 BU-ESRW	2340	53	140	52	2	3	42	6	1.5	1.0
4 KAMBOINSE 88 POOL 16 DR	2334	52	139	56	2	5	41	5	1.5	1.0
14 FBC 6	2312	55	155	65	3	8	41	5	1.5	1.0
10 MAKASR BC3 F3	2270	55	151	71	2	14	41	5	1.3	1.3
1 ACROSS 86 POOL 16 DR	2255	52	124	51	2	6	38	6	1.3	1.3
6 TZESR-W-SE	2127	52	134	49	0	3	37	5	1.5	1.0
13 SAFITA-2 (RE)	2070	53	119	50	1	5	39	4	1.5	1.0
8 EV 8730-SR BC6	1992	54	130	53	3	4	33	4	1.8	1.0
11 BDP-SR BC3 F3	1953	54	142	69	7	6	36	5	1.5	1.0
14 CHECK	1279	54	135	54	7	12	31	4	1.5	1.5
OVERALL MEAN	2207	53.3	137.4	57.1	2.4	5.7	38.5	4.8	1.5	1.1
STANDARD ERROR	119	0.4	3.4	2.3	0.8	1.0	1.8	0.7	0.2	0.1
LSD 5%	635	NS	18.4	12.3	4.3	5.2	NS	NS	NS	NS
PROB. OF F.	0.020	0.070	0.022	0.011	0.032	0.001	-	-	-	0.470
COEFF. OF VARIATION	20.1	2.8	9.4	15.0	126	63.3	17.5	56.8	38.1	20.2

Planted : 30 July

Harvested : 23 Nov.

Weather : Favourable

Season's Rainfall (June-Oct.) : 922 mm

Total Annual Rainfall : 1399 mm

Fertilizer : 200 kg NPK (20.10.10)

+ 50 kg N at Tasseling

Latitude : 5°48'N

Longitude : 20°40'E

Altitude : 450 m

Remarks

- Name of check variety not recorded
- Termite attack
- Sterile plants (Heavy rainfall ?)

RUVT EARLY 1991

COOPERATOR : BEFIO D.

LOCATION : SOUMBE/BOSSANGOA (CENTRAL AFRICAN REPUBLIC).

Table 1-11

No. OF REPS = 4

No. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	E. ROT	RUST	HELM.	CURV.	STR	INS
7 IKENNE 88 BU-ESRW	3627	51	181	94	2	0	43	43	4	1.3	3.3	2.0	1.3	2.5
5 TZE COMP. 3 X 4	3467	52	185	91	1	0	39	43	4	1.3	3.0	2.0	1.0	2.0
10 MAKASR BC3 F3	3440	52	184	95	1	0	42	41	4	1.8	3.5	3.8	1.0	3.0
9 EV 8731-SR	3360	51	195	104	3	0	43	44	4	1.3	2.8	2.5	1.0	2.5
6 TZESR-W-SE	3333	50	166	83	1	0	42	43	4	1.8	3.3	2.3	1.3	2.0
12 FBC 6	3227	54	189	104	3	1	38	40	3	1.5	2.8	2.3	1.3	2.3
12 BDP-SR BC3 F3	3200	51	246	143	1	1	40	43	3	1.8	3.5	2.8	1.0	2.8
3 FARAKO-BA 88 POOL 16 DR(HD)	3173	50	165	70	5	0	44	45	6	1.8	2.8	2.5	1.0	2.8
4 KAMBOINSE 88 POOL 16 DR	2853	51	168	81	3	0	41	43	4	1.5	2.3	2.5	1.0	2.0
8 EV 8730-SR BC6	2720	52	185	80	3	0	36	37	2	1.3	3.0	2.3	1.0	3.5
2 ACROSS 88 POOL 16 DR	2667	50	173	79	3	1	36	40	4	1.5	3.5	2.5	1.0	3.3
1 ACROSS 86 POOL 16 DR	2613	51	160	68	1	1	35	38	3	1.3	2.5	1.8	1.5	2.5
13 SAFITA-2 (RE)	2533	51	171	91	2	0	40	41	3	1.5	3.3	2.8	1.0	2.8
14 CHECK (Los Diamantes)	2400	61	193	103	1	0	29	30	4	1.5	2.0	1.5	1.5	1.8
OVERALL MEAN	3044	51.9	182.9	91.7	1.9	0.3	39.0	40.6	3.4	1.5	2.9	2.4	1.1	2.5
STANDARD ERROR	215	0.0	5.4	4.8	0.5	0.2	1.4	1.1	0.5	0.2	0.2	0.1	0.1	0.3
LSD 5%	NS	NS	28.9	25.7	2.6	NS	7.3	6.1	NS	NS	0.9	0.8	NS	NS
PROB. OF F.	-	-	0.000	0.000	0.030	-	0.015	0.002	-	-	0.043	0.000	-	-
COEFF. OF VARIATION	26.4	0.0	11.1	19.6	94.7	221	13.2	10.6	56.4	47.6	22.4	22.6	37.8	41.0

Planted : 20 July

Harvested : 25 Oct.

Weather : Favourable

Season's Rainfall (June-Oct) : 1131 mm

Total Annual Rainfall : 1734 mm

Fertilizer : 150 kg Urea

Latitude 5°6'N

Longitude : 17°18'E

Altitude : 465 m

Remarks

- Late planting

- Too wet

RUVT EARLY 1991

COOPERATOR : ATTIEY KOFFI

LOCATION : FERKESSEDOUGOU (COTE D'IVOIRE)

Table 1-12

No. OF REPS = 4

No. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. ST.	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	E. RUST	HELM.	STR.	MAT.
12 FBC 6	6547	51	46	193	101	6	6	43	44	2.0	2.0	1.8	92
5 TZE COMP. 3 X 4	6457	48	45	174	83	2	1	43	44	2.0	2.0	1.5	88
4 KAMBOINSE 88 POOL 16 DR	6422	49	43	176	80	3	0	41	42	2.0	2.0	1.5	88
9 EV 8731-SR BC6	6116	49	41	185	89	2	2	38	40	2.3	2.0	2.3	90
13 SAFITA-2 (RE)	6036	48	47	181	88	1	2	43	44	2.0	2.5	1.5	86
7 IKENNE 88 BU-ESR-W	5990	49	41	195	90	1	1	40	43	2.0	2.5	1.3	87
3 FARAKO-BA 88 POOL 16 DR (HD)	5833	49	45	178	76	2	3	42	43	2.0	2.8	1.0	88
6 TZESR-W-SE	5773	49	45	195	99	3	1	44	47	2.0	2.8	1.3	87
2 ACROSS 88 POOL 16 DR	5740	48	41	170	79	2	1	38	39	2.0	2.5	1.3	86
10 MAKASR BC3 F3	5584	50	44	205	104	5	12	39	41	2.3	3.5	1.3	90
1 ACROSS 86 POOL 16 DR	5557	46	43	174	83	2	1	41	41	2.0	2.3	1.0	85
8 EV 8730-SR BC6	5438	50	41	190	91	6	2	38	40	2.0	2.0	1.3	89
11 BDP-SR BC3 F3	5223	49	45	211	113	5	4	41	46	2.5	3.0	1.0	85
14 CHECK (F7635)	2557	51	13	169	74	2	0	13	15	2.0	2.0	1.3	93
OVERALL MEAN	5662	48.9	41.4	185.4	89.1	2.9	2.5	38.6	40.4	2.1	2.4	1.4	88
STANDARD ERROR	167	0.2	1.3	2.6	2.3	0.5	0.5	1.1	1.2	0.1	0.1	0.1	0.2
LSD 5%	893	0.9	6.8	14.0	12.4	2.7	2.7	6.0	6.2	NS	0.5	NS	0.8
PROB. OF F.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.145	0.000	0.087	0.000
COEFF. OF VARIATION	11.0	1.3	11.6	5.3	9.7	62.9	74.3	10.9	10.7	11.9	15.8	37.3	0.7

Planted : 1 July

Harvested : 29 Oct.

Weather :

Season's Rainfall (June-Sept) :

Total Annual Rainfall :

Fertilizer :

Latitude : 7°42'N

Longitude : 5°00'W

Altitude : 376 m

RUVT EARLY 1991

COOPERATOR : A.O. DIALLO

LOCATION : SINEMATIALI (COTE D'IVOIRE)

Table 1-13

NO. OF REPS = 4

NO. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. ST.	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	E. ROT	POOR HUSK.	E. ASP.	DYS TAS.
13 SAFITA-2 (RE)	4001	55	52	144	68	17	5	50	48	0	1	2.0	54
9 EV 8731-SR BC6	3991	55	52	145	69	12	5	48	50	1	1	2.1	55
7 IKENNE 88 BU-ESRW	3961	55	52	139	68	16	6	49	49	0	2	2.4	53
3 FARAKO-BA 88 POOL 16 DR(HD)	3951	54	52	140	66	17	5	50	47	0	0	2.5	53
2 ACROSS 88 POOL 16 DR	3879	55	52	136	64	11	4	50	50	0	1	2.0	54
1 ACROSS 86 POOL 16 DR	3699	55	51	134	59	14	6	47	47	0	2	2.5	53
5 TZE COMP. 3 X 4	3557	57	52	138	66	6	6	50	48	0	1	2.5	55
12 FBC 6	3348	61	51	150	74	3	6	49	46	0	1	2.8	58
10 MAK-A-SR BC3 F3	3276	56	51	145	73	22	14	50	48	0	1	2.1	55
11 BDP-SR BC3 F3	3129	56	52	144	70	22	9	50	51	0	1	3.4	54
8 EV 8730-SR BC6	3103	57	52	131	66	14	5	49	47	0	0	2.8	56
4 KAMBOINSE 88 POOL 16 DR	2911	59	52	130	61	13	4	48	50	0	0	3.0	56
6 TZESR-W-SE	2824	56	52	133	60	18	7	45	43	1	0	2.8	55
14 CHECK (Comp. D)	2465	55	46	139	70	23	15	40	43	2	0	3.0	52
OVERALL MEAN	3435	55.9	51.3	139.0	66.6	14.7	6.8	48.1	47.5	0.3	0.7	2.6	54.2
STANDARD ERROR	192	0.5	0.4	3.3	2.2	1.7	1.0	0.7	1.0	0.1	0.2	0.2	0.4
LSD 5%	1026	2.5	2.1	NS	NS	8.9	5.5	3.9	NS	0.8	NS	NS	2.0
PROB. OF F.	0.053	0.000	0.000	-	0.360	0.001	0.002	0.000	0.175	0.002	0.230	0.090	0.000
COEFF. OF VARIATION	20.9	3.2	2.9	8.9	12.5	42.3	57.0	5.7	8.0	181	129	24.5	2.6

Planted : 28 July

Harvested : 21 Nov.

Weather :

Season's Rainfall :

Total Annual Rainfall :

Fertilizer :

Latitude :

Longitude :

Altitude :

Remarks

- Late planting

RUVT EARLY 1991
 COOPERATOR : M. S. MBENGA
 LOCATION : GIROBA KUNDA (GAMBIA)

Table 1-14

No. OF REPS = 4

No. OF ENTRIES = 14

ENTRY	YIELD	RL	SL	P. HARV	E. HARV.	Helio- this	B. fusca
13 SAFITA-2 (RE)	1627	6	3	38	28	3.0	2.2
10 MAKASR BC3 F3	1547	5	3	39	25	2.1	2.2
6 TZESR-W-SE	1387	6	3	27	21	2.3	2.1
9 EV 8731-SR BC6	1307	4	6	36	24	2.0	2.7
4 KAMBOINSE 88 POOL 16 DR	1280	6	4	32	22	2.6	2.7
3 FARAKO-BA 88 POOL 16 DR (HD)	1227	6	3	34	24	1.9	2.2
7 IKENNE 88 BU-ESRW	1227	7	4	37	25	2.3	2.6
2 ACROSS 88 POOL 16 DR	1200	5	2	36	27	2.2	2.7
14 CHECK (Jeka)	1173	7	4	34	24	2.7	2.2
1 ACROSS 86 POOL 16 DR	1120	5	3	32	20	2.4	2.5
8 EV 8730-SR BC6	1120	4	5	33	21	2.7	2.7
5 TZE COMP. 3 X 4	960	3	1	27	18	2.3	3.2
11 BDP-SR BC3 F3	960	8	4	32	22	2.2	3.1
12 FBC 6	880	6	4	35	20	2.7	2.1
OVERALL MEAN	1215	5.4	3.5	33.6	22.9	2.4	2.5
STANDARD ERROR	169	0.5	0.4	1.8	1.7	0.4	0.2
LSD 5%	NS	2.6	2.2	NS	NS	NS	NS
PROB. OF F.	-	0.051	0.011	0.309	-	-	-
COEFF. OF VARIATION	52.2	33.5	43.6	19.9	27.0	31.5	28.0

Planted : 23 July

Harvested : 22 Oct.

Weather : Favourable

Season's Rainfall (June-Sept) :

Total Annual Rainfall :

Fertilizer : 81 kg N; 36 Kg P₂O₅

36 kg K₂O/ha

Latitude :

Longitude :

Altitude :

Remarks:

- Late planting

- Attack by borers
and earworms

RUVT EARLY 1991
 COOPERATOR : M.S. MBENGA
 LOCATION : SAPU (GAMBIA)

Table 1-15

NO. OF REPS = 4

NO. OF ENTRIES = 14

ENTRY	YIELD	50% SLK	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	E. HELM.	BUS
7 IKENNE 88 BU-ESRW	3947	52	176	71	1.5	0.5	43	42	2.5	2.2
2 ACROSS 88 POOL 16 DR	3760	52	166	56	1.5	0.3	43	40	2.1	2.0
4 KAMBOINSE 88 POOL 16 DR	3520	53	170	59	1.0	1.0	43	40	2.7	2.8
1 ACROSS 86 POOL 16 DR	3467	52	165	56	2.3	0.5	43	39	2.2	2.0
9 EV 8731-SR BC6	3413	54	178	60	1.5	0.8	43	38	2.6	2.3
14 CHECK (Jeka)	3360	56	195	71	2.3	1.0	44	39	2.5	2.3
3 FARAKO-BA 88 POOL 16 DR(HD)	3253	52	154	49	1.8	0.5	43	41	2.1	2.2
5 TZE COMP 3 X 4	3200	54	170	68	0.5	0.0	44	39	2.9	2.2
10 MAKASR BC3 F3	3200	55	175	65	1.0	0.8	42	38	2.0	2.2
13 SAFITA-2 (RE)	3040	53	163	63	1.0	0.0	44	39	1.7	2.2
12 FBC 6	2827	58	174	71	2.0	0.3	42	38	2.3	2.5
6 TZESR-W-SE	2827	54	161	55	0.8	0.5	42	38	1.9	3.4
11 BDP-SR BC3 F3	2827	56	208	88	1.5	2.0	43	42	2.1	2.3
8 EV 8730-SR BC6	2773	55	174	60	1.0	1.0	42	38	2.9	2.2
OVERALL MEAN	3243.8	53.8	173.4	63.7	1.39	0.64	42.8	39.3	2.31	2.34
STANDARD ERROR	176.4	0.5	3.2	3.0	0.37	0.23	0.29	0.84	0.22	0.20
LSD 5%	NS	2.6	16.9	15.9	NS	NS	NS	NS	NS	NS
PROB. OF F.	0.307	0.001	0.000	0.004	NS	0.173	0.087	-	-	-
COEFF. OF VARIATION	20.4	3.4	6.8	17.5	99.0	132	2.6	8.1	36.0	32.8

Planted : 25 July

Harvested : 23 Oct.

Weather : Not favourable

Season's Rainfall (June-Oct) : 475 mm

Total Annual Rainfall : 490 mm

Fertilizer : 81 kg N, 36 kg P₂O₅,
 36 kg K₂O/ha

Latitude : 13°33'N

Longitude : 14°54'W

Altitude : 2 m

Remarks

- Late planting

- Low rainfall (severe moisture stress)

- Slight attack by borers and armyworms.

RUVT EARLY 1991
 COOPERATOR: P.Y.K. SALLAH
 LOCATION: DAMONGO (GHANA)

Table 1-16

NO. OF REPS = 4

No. of ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. ST.	PL. HT.	E. HT	RL	SL	P. HARV	E. HARV	E. ROT	RUST	HELM	E. ASP
12 FBC6	6747	56	56	187	96	26	10	53	50	9	1.3	2.8	2.0
1 ACROSS 86 POOL 16 DR	5787	52	52	160	76	16	6	48	47	7	2.5	1.5	2.5
5 TZE COMP. 3 X 4	5733	53	49	163	71	22	3	49	48	6	1.0	1.3	2.8
4 KAMBOINSE 88 POOL 16 DR	5467	54	52	154	73	19	8	51	48	5	1.3	1.5	2.8
13 SAFITA-2 (RE)	5253	50	57	159	75	30	7	50	48	11	1.3	1.8	2.8
7 IKENNE 88 BU-ESRW	5173	54	56	165	76	23	6	55	47	7	1.0	1.3	2.3
11 BDP-SR BC3 F3	4960	54	53	212	117	29	9	51	47	7	2.3	3.0	2.3
9 EV8731-SR BC6	4613	54	54	161	71	27	5	48	44	13	1.0	2.0	3.0
2 ACROSS 88 POOL 16 DR	4373	53	50	132	57	22	4	47	40	9	1.0	2.3	3.0
8 EV8730-SR BC6	3973	55	52	157	70	23	6	49	42	9	1.3	1.3	3.3
10 MAKASR BC3 F3	3973	57	55	165	85	29	16	52	46	11	1.3	3.8	3.8
6 TZESR-W-SE	3520	54	56	147	64	23	7	51	39	14	2.0	1.5	3.5
14 CHECK (Dorke SR)	3493	58	37	156	69	24	5	36	34	9	1.5	1.5	3.3
3 FARAKO-BA 88 POOL 16 DR(HD)	2213	56	52	109	44	24	5	50	36	12	1.0	2.0	4.5
OVERALL MEAN	4662	54.1	52.2	159.0	74.5	24.0	6.8	49.2	43.9	9.0	1.4	3.0	3.0
STANDARD ERROR	456	0.4	1.3	5.6	4.2	2.7	0.9	1.3	2.0	1.2	0.1	0.1	0.2
LSD 5%	NS	1.9	6.9	30.0	22.6	NS	4.8	7.2	10.6	NS	0.7	0.8	1.3
PROB. OF F	0.064	0.000	0.000	0.000	0.000	-	0.002	0.003	0.048	0.283	0.001	0.000	0.038
COEFF. OF VARIATION	36.4	2.5	9.2	13.2	21.2	42.6	49.0	10.3	16.8	50.1	36.1	27.5	31.0

Planted : 18 June

Harvested : 8 Oct.

Weather : Favourable

Season's Rainfall (June-Sept) : 728 mm

Total Annual Rainfall : 1229 mm

Fertilizer : 90 kg N, 60 kg P₂O₅/ha

Latitude : 9°04'N

Longitude : 01°49'W

Altitude : 260 m

Remarks

- Portions of the field were affected by erosion.

RUVT EARLY 1991
 COOPERATOR: P.Y.K. SALLAH
 LOCATION: NYANKPALA (GHANA)

No. of REPS = 4

No. of ENTRIES = 14

Table 1-17

ENTRY	YIELD	DYS SLK	PL HT	E. HT	RL	SL	P. HARV	E HARV	E ROT	RUST	HELM	CURV	STR No.	E. ASP
5 TZE Comp. 3 x 4	6053	50	163	81	13	5	49	49	9	1.5	1.0	2.0	0	1.8
12 FBC 6	5700	54	172	91	17	9	50	49	9	1.8	1.3	2.0	2	2.3
9 EV 8731-SR BC6	5996	52	150	68	16	8	50	50	9	1.5	1.0	1.8	0	2.3
14 Check (Dorke SR)	5660	53	173	90	18	5	41	41	6	1.0	1.3	1.8	1	2.0
7 IKENNE 88 BU-ESRW	5637	52	149	70	12	9	51	50	6	1.3	1.5	2.0	0	2.5
4 KAMBOINSE 88 POOL 16 DR	5206	50	151	76	13	7	50	49	6	1.5	1.5	2.0	1	3.0
8 EV 8730-SR BC6	5177	52	154	75	22	4	48	49	5	1.5	1.5	1.8	0	2.3
1 ACROSS 86 POOL 16 DR	5129	50	144	65	12	9	50	49	6	1.3	1.5	2.0	1	2.8
2 ACROSS 88 POOL 16 DR	4952	50	143	68	12	5	48	46	5	1.8	1.3	2.0	0	2.3
3 FARAKO-BA 88 POOL 16 DR(HD)	4827	51	138	67	13	5	49	49	7	1.5	2.0	1.8	1	2.8
6 TZESR-W-SE	4815	51	146	65	18	14	49	48	10	1.3	1.5	1.3	1	3.0
13 SAFITA-2 (RE)	4702	51	139	63	13	9	49	48	8	1.3	1.8	2.0	3	2.8
10 MAKASR BC3 F3	4695	53	167	82	15	16	51	51	8	2.3	2.3	1.8	2	2.5
11 BDP-SR BC3 F3	4191	54	165	83	25	7	48	47	4	2.0	2.0	1.8	3	2.8
OVERALL MEAN	5174	51.6	153.8	74.3	15.5	7.9	48.6	48.1	6.8	1.52	1.52	1.84	1.0	2.48
STANDARD ERROR	147	0.4	3.0	3.0	2.9	1.0	0.8	0.9	0.9	0.13	0.14	0.15	0.2	0.12
LSD 5%	84	2.1	16.1	16.1	15.4	9.3	5.2	4.1	NS	NS	0.7	NS	1.1	0.65
PROB. OF F	0.001	0.000	0.000	0.000	0.004	0.154	0.001	0.029	0.335	0.092	0.036	-	0.000	0.009
COEFF. OF VARIATION	10.6	2.8	7.3	7.3	14.5	42.1	45.9	6.8	48.6	33.2	33.8	31.1	74.3	18.4

Planted : 6 June

Harvested : 26 Sept.

Weather : Favourable

Season's Rainfall (June-Sept) : 928 mm

Total Annual Rainfall : 1468 mm

Fertilizer : 90 kg N, 60 kg P₂O₅/ha

Latitude : 9°26'N

Longitude : 0°59'W

Altitude : 183 m

RUVT EARLY 1991
 COOPERATOR: P.Y.K. SALLAH
 LOCATION: WA (GHANA)
 NO. OF REPS = 4

NO. ENTRIES = 14

Table 1-18

ENTRY	YIELD	DYS SLK	PL HT	E HT	SL	P HARV	E HARV	E ROT	E ASP
5 TZE COMP 3 x 4	3957	52	139	52	1	46	44	1	2.3
12 FBC 6	3467	52	146	72	1	44	41	1	2.3
9 EV 8731-SR BC6	3396	51	112	56	2	47	42	2	2.5
14 CHECK (Dorke SR)	3228	53	132	63	0	34	32	0	2.0
11 BDP-SR BC3 F3	3213	52	132	74	5	44	42	0	2.5
13 SAFITA-2 (RE)	3129	51	109	47	2	44	41	1	3.3
7 IKENNE 88 BU-ESRW	3117	52	112	53	2	45	40	1	2.8
10 MAKASR BC3 F3	2871	53	144	57	5	42	40	1	2.8
2 ACROSS 88 POOL 16 DR	2708	51	98	40	2	45	38	2	3.0
1 ACROSS 86 POOL 16 DR	2556	51	91	32	3	41	40	1	3.0
3 FARAKO-BA 88 POOL 16 DR (HD)	2450	52	105	46	2	48	43	1	3.8
4 KAMBOINSE 88 POOL 16 DR	2365	52	105	46	2	47	39	1	3.5
6 TZESR-W-SE	2187	52	127	57	1	45	37	1	3.3
8 EV8730-SR BC6	2182	53	123	48	2	43	38	0	3.5
OVERALL MEAN	2916	51.7	119.6	52.9	2.0	43.8	39.6	0.8	2.88
STANDARD ERROR	202	0.2	5.7	3.7	0.6	1.4	0.3	0.3	0.13
LSD 5%	1082	1.3	30.4	19.6	NS	NS	NS	NS	0.69
PROB. OF F	0.052	0.040	0.008	0.006	0.065	0.133	0.217	0.217	0.000
COEFF. OF VARIATION	26.0	1.7	17.8	25.9	104	12.3	123	124	16.9

Planted : 28 June

Harvested : 1 Nov.

Weather : Not favourable

Season's Rainfall (June-Sept) :

Total Annual Rainfall :

Fertilizer : 90 kg N, 60 kg P₂O₅/ha

Latitude :

Longitude :

Altitude :

RUVT EARLY 1991

COOPERATOR : LANSANA TOURE/GANSILE N.

LOCATION : BORDO KANKAN (GUINEA)

Table 1-19

No. OF REPS = 4

No. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. HT	E. HT	RL	SL	E. HARV	E. HARV.	E. ROT	RUST	HELM.
10 MAKA-SR BC3 F3	5280	56	176	98	1	7	51	51	2	1.8	1.8
8 EV 8730-SR BC6	5067	55	179	83	1	4	51	50	2	1.0	3.0
5 TZE COMP. 3 X 4	5040	58	152	70	1	1	49	50	1	1.0	2.0
7 IKENNE 88 BU-ESRW	4960	55	161	79	2	3	47	48	2	1.0	1.5
4 KAMBOINSE 88 POOL 16 DR	4880	55	149	68	1	2	45	47	2	1.0	2.5
11 BDP-SR BC3 F3	4827	57	202	118	0	6	51	52	2	1.0	2.0
9 EV 8731-SR BC6	4747	57	161	73	1	2	51	51	4	1.0	2.3
6 TZESR-W-SE	4587	57	163	70	1	0	50	50	1	1.0	2.5
1 ACROSS 86 POOL 16 DR	4533	55	153	75	2	1	45	47	1	1.0	1.8
14 CHECK (Perta)	4320	60	188	100	2	4	40	39	0	1.3	2.5
13 SAFITA-2 (RE)	4293	57	142	71	3	1	45	44	1	1.0	2.3
12 FBC 6	4213	62	160	86	3	3	45	44	1	1.0	2.0
3 FARAKO-BA 88 POOL 16 DR (HD)	4107	56	136	70	2	1	44	42	0	1.0	2.3
2 ACROSS 88 POOL 16 DR	3947	56	138	70	2	1	43	43	2	1.0	1.8
OVERALL MEAN	4629	56.8	161.4	80.7	1.5	2.4	46.4	46.8	1.4	1.1	2.1
STANDARD ERROR	187	0.6	3.2	3.4	2.6	2.7	1.1	1.3	0.3	0.1	0.2
LSD 5%	NS	3.1	17.0	18.1	NS	2.7	6.1	6.9	1.7	0.4	NS
PROB. OF F.	0.231	0.003	0.000	0.000	-	0.000	0.014	0.013	0.009	0.050	0.419
COEFF. OF VARIATION	15.1	3.8	7.4	15.6	120	78.7	9.2	10.3	81.9	27.4	36.3

Planted : 5 June

Harvested : 18 Sept.

Weather : Favourable

Season's Rainfall (June-Sept) :

Total Annual Rainfall :

Fertilizer : 28 kg N, 26 kg P₂O₅,
28 kg K₂O/ha, + Sulphur + Boron

Latitude : 10°23'N

Longitude : 9°13'W

Altitude : 377 m

RUVT EARLY 1991
 COOPERATOR : SEKOUNA CAMARA
 LOCATION : KILISSI (GUINEA)

Table 1-20

NO. OF REPS = 4

NO. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	E. ROT	HELM.	CURV.
3 FARAKO-BA 88 Pool 16 DR(HD)	5627	53	174	76	0	1	47	47	0	2.8	2.0
7 IKENNE 88 BU-ESRW	4933	55	181	91	1	3	47	45	2	1.8	2.0
9 EV 8731-SR BC6	4853	53	205	103	1	1	48	46	2	2.5	1.8
4 KAMBOINSE 88 POOL 16 DR	4667	54	203	88	1	1	49	45	4	1.8	1.8
1 ACROSS 86 POOL 16 DR	4640	50	192	91	0	3	46	43	2	2.3	1.8
12 FBC 6	4533	54	219	119	3	2	45	44	2	2.0	1.8
5 TZE COMP 3 X 4	4400	51	194	95	0	1	48	46	2	2.8	2.0
14 CHECK (Kilissi 113)	4267	53	228	87	1	2	46	43	2	2.3	2.8
10 MAKASR BC3 F3	4133	53	198	99	1	2	47	43	4	2.8	2.3
2 ACROSS 88 POOL 16 DR	4000	53	179	88	1	3	46	44	2	2.0	2.0
11 BDP-SR BC3 F3	4000	52	218	124	2	4	47	44	3	2.3	2.0
13 SAFITA-2 (RE)	3840	52	202	98	1	1	43	41	2	3.0	1.8
6 TZESR-W-SE	3520	54	192	101	1	5	46	42	4	3.0	1.5
8 EV 8730-SR BC6	3440	54	191	96	2	2	47	41	6	2.8	2.5
OVERALL MEAN	4347	52.9	198.2	96.7	1.0	2.0	46.4	43.8	2.5	2.4	2.0
STANDARD ERROR	143	0.1	3.4	3.1	0.3	0.5	0.8	0.6	0.7	0.2	0.2
LSD 5%	767	0.7	18.4	16.7	NS	NS	NS	3.5	NS	NS	NS
PROB OF F.	0.001	0.000	0.000	0.000	0.195	0.067	-	0.029	0.395	0.140	-
COEFF. OF VARIATION	12.3	1.0	6.5	12.0	117	93	6.2	5.5	106	28.8	42.2

Planted : 19 June

Harvested : 20 Sept.

Weather : Favourable

Season's Rainfall (June-Sept) : 1318 mm

Total Annual Rainfall :

Fertilizer : 175 kg N, 195 kg P₂O₅,
 100 kg K₂O (seems too high ?)

Latitude : 10°03'N

Longitude : 12°49'W

Altitude : 95 m

RUVT EARLY 1991
 COOPERATOR : NTJI COULIBALLY
 LOCATION : KITA (MALI)

Table 1-21

No. OF REPS = 4

No. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. ST.	PL HT	E. HT	RL	SL	P. HARV	E. HARV
10 MAKASR BC3 F3	5683	53	48	202	120	2	2	48	43
7 IKENNE 88 BU-ESRW	5476	52	44	193	101	1	0	42	42
4 KAMBOINSE 88 POOL 16 DR	5371	53	46	192	99	2	0	46	42
5 TZE COMP. 3 X 4	5201	54	44	183	94	2	0	43	42
11 BDP-SR BC3 F3	5171	52	51	228	136	2	1	50	44
9 EV 8731-SR BC6	4997	55	46	208	105	3	0	45	39
12 FBC6	4963	54	49	206	117	3	0	46	39
6 TZESR-W-SE	4813	51	46	197	96	0	1	46	42
1 ACROSS 86 POOL 16 DR	4789	53	48	183	87	2	0	47	43
8 EV 8730-SR BC6	4734	54	47	204	104	3	1	46	39
13 SAFITA-2 (RE)	4659	53	47	191	91	4	0	46	41
3 FARAKO-BA 88 POOL 16 DR	4645	51	47	182	91	2	0	46	43
2 ACROSS 88 POOL 16 DR	4248	54	42	172	65	1	0	42	36
14 CHECK (Kogoni B)	3763	48	49	179	80	7	4	42	36
OVERALL MEAN	4893	52.4	46.5	194.2	98.9	2.4	0.6	45.3	40.8
STANDARD ERROR	217	0.6	1.0	4.1	3.4	0.5	0.3	1.1	1.3
LSD 5%	NS	3.2	NS	22.1	18.2	2.7	1.4	NS	NS
PROB. OF F	0.158	0.016	0.094	0.001	0.000	0.004	0.000	0.278	0.455
COEFF. OF VARIATION	16.6	4.3	7.7	7.9	12.9	80.9	165	9.3	12.2

Planted : 4 July

Harvested : 5 Oct.

Weather :

Season's Rainfall (June-Sept) :

Total Annual Rainfall :

Fertilizer :

Latitude : 13°04'W

Longitude : 9°27'W

Altitude : 328 m

RUVT EARLY 1991
 COOPERATOR : NTJI COULIBALLY
 LOCATION : SOTUBA (MALI)

Table 1-22

No. OF REPS = 4

No. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. ST.	PL. HT.	E. HT	RL	SL	P. HARV	E. HARV
4 KAMBOINSE 88 POOL 16 DR	6062	51	51	179	81	6	3	50	50
6 TZESR-W-SE	5138	53	50	173	68	3	3	44	48
2 ACROSS 88 POOL 16 DR	4942	51	47	176	75	9	4	42	43
12 FBC 6	4918	55	48	180	89	9	2	44	45
9 EV 8731-SR BC6	4857	53	49	179	74	10	3	43	44
10 MAKAK-SR BC3 F3	4829	54	47	181	79	4	4	40	42
3 FARAKO-BA 88 POOL 16 DR(HD)	4821	50	52	173	74	14	3	48	50
13 SAFITA-2 (RE)	4700	50	49	165	70	16	3	46	47
1 ACROSS 86 POOL 16 DR	4357	52	49	159	65	7	3	42	43
7 IKENNE 88 BU-ESRW	4017	54	51	169	63	7	3	42	44
8 EV 8730-SR BC6	3944	55	50	169	74	10	3	38	40
5 TZE COMP. 3 X 4	3943	54	48	160	66	4	3	40	42
11 BDP-SR BC3 F3	3062	57	52	178	91	7	3	41	43
14 CHECK (Kogoni B)	3041	49	49	160	64	23	7	35	38
OVERALL MEAN	4474	52.5	49.3	171.3	73.7	9.0	3.1	42.3	44.2
STANDARD ERROR	244	0.4	0.6	3.0	3.9	1.2	0.5	1.2	1.2
LSD 5%	1303	2.2	NS	NS	NS	6.3	NS	6.6	6.5
PROB. OF F.	0.002	0.000	0.071	0.055	0.169	0.000	0.223	0.006	0.018
COEFF. OF VARIATION	20.4	3.0	4.5	6.6	19.8	48.8	63.7	10.9	10.4

Planted : 3 July
 Harvested : 28 Sept.

Weather :

Season's Rainfall (June-Sept) :

Total Annual Rainfall :

Fertilizer :
 Latitude : 12°40'N
 Longitude : 7°57'W
 Altitude : 320 m

RUVT EARLY 1991
 COOPERATOR : SIDI R'CHID
 LOCATION : SYLLA (MAURITANIA)

Table 1-23

No. OF REPS = 4

No. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. HT	E. HT	RL	SL	P. HARV	E. HARV.	E. ROT
8 EV 8730-SR BC6	3662	52	170	56	3	3	35	37	3
3 FARAKO-BA 88 POOL 16 DR(HD)	3355	53	183	78	6	1	29	31	1
5 TZE COMP. 3 X 4	3105	54	181	61	2	2	28	30	1
10 MAKASR BC3 F3	3051	49	190	79	4	1	28	29	2
6 TZESR-W-SE	3038	53	180	74	3	2	31	34	4
13 SAFITA-2 (RE)	2870	52	188	70	4	2	28	30	2
7 IKENNE 88 BU-ESRW	2802	52	180	78	4	2	36	36	1
9 EV 8731-SR BC3	2793	54	189	79	4	4	29	29	0
12 FBC 6	2670	54	195	76	7	1	33	35	2
14 CHECK (CDK)	2667	54	189	78	3	1	28	32	4
4 FARAKO-BA 88 POOL 16 DR(HD)	2645	53	191	93	3	1	27	30	3
11 BDP-SR BC3 F3	2237	54	193	84	3	2	30	34	6
1 ACROSS 86 POOL 16 DR	1856	49	166	65	3	2	28	34	3
2 ACROSS 88 POOL 16 DR	1752	53	165	51	4	0	24	28	4
OVERALL MEAN	2750	52.5	182.8	72.9	3.8	1.5	29.5	31.8	2.5
STANDARD ERROR	421	0.4	2.5	4.1	0.6	0.4	2.4	2.3	0.7
LSD 5%	NS	2.1	13.4	22.1	NS	2.3	NS	NS	NS
PROB. OF F.	-	0.000	0.000	0.040	0.390	0.349	-	-	0.285
COEFF. OF VARIATION	57.3	2.8	5.1	21.2	64.5	107	30.1	27.0	11.0

Planted : 27 July
 Harvested : 29 Oct.
 Weather : Not favourable
 Season's Rainfall (June-Sept):
 Total Annual Rainfall :

Fertilizer :
 Latitude :
 Longitude :
 Altitude :

Remarks
 - Very severe moisture stress
 - Trial was grown with irrigation
 (twice/week) but long period of
 stress because of damage to
 irrigation equipment.

RUVT EARLY 1991
 COOPERATOR : JIKA NAINO
 LOCATION : BENGOU (NIGER)

Table 1-24

No. OF REPS = 4

No. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. HT	E. HT	P. HARV	E. HARV	DIS.
9 EV 8731-SR BC6	7893	50	209	85	47	45	1.5
12 FBC 6	7307	54	211	136	47	41	2.8
4 KAMBOINSE 88 POOL 16 DR	7227	50	189	74	46	44	1.3
7 IKENNE 88 BU-ESRW	7040	52	196	83	49	48	1.5
3 FARAKO-BA 88 POOL 16 DR (HD)	7013	50	193	85	49	46	1.5
10 MAKASR BC3 F3	6960	50	213	111	46	43	2.3
8 EV 8730-SR BC6	6827	52	200	99	49	47	1.0
13 SAFITA-2 (RE)	6747	51	181	75	47	48	3.0
11 BDP-SR BC3 F3	6693	52	236	139	51	50	2.8
5 TZE COMP. 3 X 4	6427	51	193	74	46	45	1.5
6 TZESR-W-SE	6160	53	188	83	47	46	1.5
2 ACROSS 88 POOL 16 DR	6053	50	200	88	45	41	1.0
14 CHECK (P3 Kollo)	5893	53	188	103	43	42	4.0
1 ACROSS 86 POOL 16 DR	5733	50	184	76	48	42	2.8
OVERALL MEAN	6712	51.1	198.5	93.4	47.1	44.7	2.0
STANDARD ERROR	237.8	0.3	3.0	4.7	0.9	1.1	0.3
LSD 5%	NS	1.6	16.0	25.2	NS	NS	1.7
PROB. OF F.	0.071	0.000	0.000	0.000	0.31	0.064	0.018
COEFF. OF VARIATION	13.3	2.2	5.6	18.9	7.2	9.3	57.8

Planted : 27 June

Harvested : 23 Sept.

Weather : Favourable

Season's Rainfall (June-Sept) : 562 mm

Total Annual Rainfall : 823 mm

Fertilizer : 45 kg N, 46 kg P₂O₅,
 10 t/ha organic manure/ha

Latitude : 11°59'N

Longitude : 3°33'E

Altitude : 172 m

RUVT EARLY 1991
 COOPERATOR : JIKA NAINO
 LOCATION : KOLLO (NIGER)

Table 1-25

No. OF REPS = 4

No. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. HT.	E. HT	P. HARV	E. HARV.	E. ROT
2 ACROSS 88 POOL 16 DR	4676	51	130	49	49	54	3
1 ACROSS 86 POOL 16 DR	3342	51	158	60	38	40	7
7 IKENNE 88 BU-ESRW	2364	51	142	67	31	34	2
5 TZE COMP. 3 X 4	2098	52	141	70	35	41	8
4 KAMBOINSE 88 POOL 16 DR	1849	51	146	61	39	41	3
9 EV 8731-SR BC6	1600	50	157	83	40	53	6
8 EV 8730-SR BC6	1582	52	156	79	41	50	2
10 MAKASR BC3 F3	1458	50	155	72	41	45	8
6 TZESR-W-SE	1067	52	147	56	33	38	4
11 BDP-SR BC3 F3	960	51	148	69	34	41	3
3 FARAKO-BA 88 POOL 16 DR (HD)	782	50	144	67	33	44	3
12 FBC 6	676	51	130	55	33	38	4
14 CHECK	622	51	148	70	37	35	1
13 SAFITA-2 (RE)	427	51	152	60	27	30	6
OVERALL MEAN	1679	50.9	146.7	65.5	36.6	41.6	4.5
STANDARD ERROR	349	0.3	6.2	6.2	2.0	1.8	1.0
LSD 5%	2194	NS	NS	NS	NS	11.4	NS
PROB. OF F.	0.027	0.304	-	-	0.170	0.006	0.446
COEFF. OF VARIATION	77.9	1.9	15.7	35.2	20.9	16.2	86.5

Planted : 28 June

Fertilizer :

Remarks:

Harvested :

- Name of check variety

Weather :

not recorded

Season's Rainfall (June-Sept):

- Severe termite attack

Total Annual Rainfall :

Latitude : 13°18'N

Longitude : 02°21'N

Altitude : 210 m

RUVT EARLY 1991
 COOPERATOR : E.N.O. IWUAFOR
 LOCATION : MALUNFASHI (NIGERIA)

Table 1-26

NO. OF REPS = 4

NO. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. ST	PL. HT	E. HT	RL	SL	P. HARV	E. HARV
14 CHECK (TZB)	5120	70	48	202	108	0	0	46	45
1 ACROSS 86 POOL 16 DR	4853	49	52	149	74	1	3	50	47
13 SAFITA 2 (RE)	4347	50	50	153	72	0	3	49	45
10 MAKASR RC 3 F3	4320	53	52	160	78	1	4	47	46
2 ACROSS 88 POOL 16 DR	4240	49	51	143	72	0	0	49	45
12 FBC 6	3947	53	51	174	93	1	0	45	43
8 EV 8730-SR BC6	3893	50	51	150	70	0	0	46	45
4 KAMBOINSE 88 POOL 16 DR	3733	50	52	132	66	0	2	47	47
9 EV 8731-SR BC6	3733	50	52	155	71	1	5	47	42
11 BDP-SR BC3 F3	3733	53	51	176	94	0	0	48	45
3 FARAKO-BA 88 POOL 16 DR(HD)	3680	49	51	130	67	1	2	50	48
7 IKENNE 88 BU-ESRW	3680	54	52	149	75	0	2	48	45
6 TZESR-W-SE	3360	51	52	137	59	0	4	45	44
5 TZE COMP. 3 X 4	1947	50	52	124	68	0	2	39	43
OVERALL MEAN	3899	52.1	51.1	152.3	76.0	0.4	1.4	46.8	44.9
STANDARD ERROR	138	0.2	0.3	2.1	1.8	0.3	0.4	0.7	0.8
LSD 5%	736	1.1	1.4	11.1	9.4	NS	2.2	3.9	NS
PROB. OF F.	0.000	0.000	0.000	0.000	0.000	-	0.000	0.000	-
COEFF. OF VARIATION	13.2	1.5	1.9	5.1	8.7	285	81.0	5.8	7.0

Planted : 20 June

Fertilizer :

Remarks

Harvested : 12 Oct.

- Check variety is
late in maturity

Weather :

Latitude :

Season's Rainfall (June-Sept) :

Longitude :

Total Annual Rainfall :

Altitude :

RUVT EARLY 1991
 COOPERATOR : E.N.O. IWUAFOR
 LOCATION : MINJIBIR (NIGERIA)

Table 1-27

No. OF REPS = 4

No. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. ST.	PL. HT.	E. HT	RL	SL	P. HARV	E. HARV
5 TZE COMP. 3 X 4	3680	52	52	156	73	1	4	51	50
4 KAMBOINSE 88 POOL 16 DR	2987	50	52	149	71	0	4	50	44
1 ACROSS 86 POOL 16 DR	2373	50	52	130	61	2	4	49	37
10 MAKASR BC3 F3	2347	52	52	168	84	1	6	50	41
8 EV 8730-SR BC6	2267	51	51	158	69	1	1	50	42
9 EV 8731-SR BC6	1973	50	52	146	64	1	6	51	38
6 TZESR-W-SE	1947	51	52	147	68	0	5	49	45
7 IKENNE 88 BU-ESRW	1947	51	52	135	65	1	4	50	43
3 FARAKO-BA POOL 16 DR(HD)	1813	53	51	135	63	2	5	51	38
11 BDP-SR BC3 F3	1653	53	52	163	80	0	2	51	38
13 SAFITA-1 (RE)	1493	50	52	124	57	1	2	50	32
12 FBC 6	1227	53	52	156	74	1	0	50	30
2 ACROSS 88 POOL 16 DR	1147	51	52	126	59	0	1	50	26
14 CHECK (TZB)	640	71	50	188	94	0	0	49	16
OVERALL MEAN	1964	52.6	51.6	148.5	70.1	0.6	3.1	50.0	37.1
STANDARD ERROR	147	0.2	0.1	2.4	1.7	0.3	0.5	0.3	1.7
LSD 5%	785	1.2	0.8	12.6	9.2	NS	2.9	NS	9.1
PROB. OF F.	0.000	0.000	0.000	0.000	0.000	-	0.000	0.248	0.000
COEFF. OF VARIATION	28.0	1.6	1.1	5.9	9.2	182	64.9	2.3	17.3

Planted : 4 July

Harvested : 29 Oct.

Weather :

Season's Rainfall (June-Sept) :

Total Annual Rainfall :

Fertilizer :

Latitude : 12°10'N

Longitude : 8°40'E

Altitude :

Remarks:

- Check variety is
extremely late in

RUVT EARLY 1991
 COOPERATOR : E.N.O. IWUAFOR
 LOCATION : SAMARU (NIGERIA)

Table 1-28

NO. OF REPS = 4

NO. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. ST.	PL. HT.	E. HT	RL	SL	P. HARV	E. HARV
14 CHECK (TZB)	4667	70	49	167	82	0	0	46	44
1 ACROSS 86 POOL 16 DR	4427	48	51	135	60	1	3	49	48
13 SAFITA-2 (RE)	3893	51	51	122	48	0	3	49	45
2 ACROSS 88 POOL 16 DR	3840	49	51	140	64	1	3	49	47
11 BDP-SR BC3 F3	3840	52	51	149	70	0	1	46	45
12 FBC 6	3760	51	51	157	78	1	0	50	43
10 MAKASR BC3 F3	3520	52	51	158	72	2	5	45	44
4 KAMBOINSE 88 POOL 16 DR	3227	50	51	132	62	0	3	47	43
7 IKENNE 88 BU-ESRW	3200	53	51	147	63	1	3	47	45
8 EV 8730-SR BC6	2987	51	51	125	57	0	1	44	41
9 EV 8731-SR BC6	2773	51	51	143	62	2	6	44	41
6 TZESR-W-SE	2667	51	52	128	55	0	4	45	43
3 FARAKO-BA 88 POOL 16 DR(HD)	2667	50	51	139	61	1	3	46	41
5 TZE COMP. 3 X 4	2160	49	49	130	61	0	2	42	36
OVERALL MEAN	3402	51.8	50.7	140.6	63.8	0.7	2.6	46.3	43.1
STANDARD ERROR	112	0.2	0.4	2.5	1.5	0.4	0.3	0.8	0.8
LSD 5%	599	1.0	2.2	13.5	8.0	NS	1.7	4.2	4.0
PROB. OF F.	0.000	0.000	0.418	0.000	0.000	-	0.000	0.013	0.000
COEFF. OF VARIATION	12.3	1.3	3.0	6.7	8.8	210	46.2	6.4	6.6

Planted : 28 June

Fertilizer :

Remarks

Harvested : 8 Oct.

- Check variety too
late in maturity

Weather :

Latitude : 11°11'N

Season's Rainfall (June-Sept) :

Longitude : 7°38'E

Total Annual Rainfall :

Altitude : 675 m

RUVT EARLY 1991
 COOPERATOR : ABDOU NDIAYE
 LOCATION : NIORO (SENEGAL)

Table 1-29

NO. OF REPS = 4

NO. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	E. ROT
6 TZESR-W-SE	4054	48	160	78	9	9	39	37	1
4 KAMBOINSE 88 POOL 16 DR	3970	49	169	79	8	10	38	39	0
1 ACROSS 86 POOL 16 DR	3899	49	157	70	8	11	42	41	1
8 EV 8730-SR BC6	3848	49	162	76	8	8	41	41	0
9 EV 8731-SR BC6	3791	48	161	75	12	10	43	39	1
12 FBC 6	3740	52	163	77	10	8	39	40	0
7 IKENNE 88 BU-ESRW	3738	48	157	72	6	9	42	38	0
3 FARAKO-BA 88 POOL 16 DR (HD)	3645	49	159	77	7	13	42	40	1
10 MAKAK-SR BC3 F3	3638	50	166	82	8	10	38	39	0
5 TZE COMP 3 X 4	3510	50	157	60	7	8	41	39	1
14 CHECK	3429	50	164	83	6	8	35	35	0
11 BDP-SR BC3 F3	3255	50	171	89	10	13	40	40	0
2 ACROSS 88 POOL 15 DR	3234	49	148	67	6	10	37	37	1
13 SAFITA-2 (RE)	2726	50	160	79	9	16	40	36	1
OVERALL MEAN	3606	49.0	160.9	75.9	8.1	10.3	39.7	38.7	0.4
STANDARD ERROR	212	0.5	3.3	3.6	0.7	1.1	1.0	1.6	0.2
LSD 5%	NS	NS	NS	NS	NS	NS	NS	NS	NS
PROB. OF F	-	0.353	-	0.370	0.075	0.105	0.221	-	-
COEFF. OF VARIATION	22.0	4.0	7.6	17.7	31.7	39.7	9.2	15.6	158

Planted : 31 July

Harvested :

Weather :

Season's Rainfall (June-Sept) :

Total Annual Rainfall :

Fertilizer :

Latitude : 13°45'N

Longitude : 15°50'W

Altitude : 18 m

Remarks:

- Name of check variety

not recorded

- Mild attack of termites

RUVT EARLY 1991
 COOPERATOR : NDIAYE ABDOU
 LOCATION : SONKORONG (SENEGAL)

Table 1-30

No. OF REPS = 4

No. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	E. ROT
2 ACROSS 88 POOL 16 DR	2127	53	148	75	4	0.8	45	36	0.5
9 EV 8731-SR BC6	2091	52	155	73	3	1.0	47	40	1.0
1 ACROSS 86 POOL 16 DR	1911	50	146	63	9	0.3	49	36	1.3
11 BDP-SR BC3 F3	1909	54	144	74	11	0.5	50	33	1.5
10 MAKAK-SR BC3 F3	1801	54	143	76	8	0.0	48	35	0.0
4 KAMBOINSE 88 POOL 16 DR	1766	55	144	73	10	0.5	47	36	0.3
12 FBC 6	1764	52	120	54	4	1.3	46	30	1.8
3 FARAKO-BA 88 POOL 16 DR(HD)	1741	55	133	61	8	0.8	47	35	0.3
5 TZE COMP. 3 X 4	1674	52	129	60	3	0.5	48	34	0.5
14 CHECK (Early Thai)	1653	55	132	68	7	0.5	45	33	0.5
13 SAFITA-2 (RE)	1518	55	125	64	4	1.0	49	32	0.5
6 TZESR(W-SE)	1394	56	140	68	2	0.0	44	29	0.3
8 EV 8730-SR BC6	1391	53	146	56	3	0.3	48	29	0.8
7 IKENNE 88 BU-ESRW	1285	56	126	51	5	0.8	47	30	1.3
OVERALL MEAN	1716	53.5	137.7	65.4	5.7	0.57	47.1	33.2	0.73
STANDARD ERROR	237	0.9	5.1	3.9	1.4	0.20	1.1	3.0	0.31
LSD 5%	NS	NS	NS	NS	NS	NS	NS	NS	NS
PROB. OF F.	-	0.436	0.351	0.316	0.378	-	-	-	-
COEFF. OF VARIATION	51.7	6.2	13.9	22.4	95.5	133	8.6	33.8	160

Planted :
 harvested : 6 Nov.

Fertilizer:

Remarks:
 - Planted under irrigation
 - Mild attack of grasshoppers

Weather :

Latitude :

Season's Rainfall (June-Sept):

Longitude :

Total Annual Rainfall :

Altitude :

RUVT EARLY 1991

COOPERATOR : J.B. GEORGE, J.P. KOROMA, S. LUSENI
LOCATION : NJALA (SIERRA LEONE).

Table 1-31

No. OF REPS = 4

No. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. ST	PL. HT	E. HT.	RL	SL	P. HARV	E. HARV	E. ROT
5 TZE COMP. 3 X 4	2734	57	51	117	48	0	4	46	38	1
14 CHECK (Western Yellow)	2484	62	42	131	59	2	4	37	31	1
9 EV 8731-SR BC6	2349	55	48	110	35	1	7	43	33	1
13 SAFITA-2 (RE)	2170	55	50	109	33	1	11	41	37	7
7 IKENNE 88 BU-ESRW	1966	58	52	109	39	1	5	42	32	4
2 ACROSS 88 POOL 16 DR	1900	57	49	111	37	0	8	41	33	9
4 KAMBOINSE 88 POOL 16 DR	1900	55	51	111	42	0	6	43	30	3
12 FBC 6	1856	58	49	114	43	1	6	40	26	6
10 MAK-A-SR BC3 F3	1773	58	50	113	45	1	7	42	32	7
8 EV 8730-SR BC6	1609	58	48	114	37	1	5	40	27	3
1 ACROSS 86 POOL 16 DR	1563	55	51	115	40	2	4	46	29	8
11 BDP-SR BC3 F3	1526	57	49	120	56	3	12	42	35	18
6 TZESR-W-SE	1506	59	49	117	37	1	7	38	33	14
3 FARAKO-BA 88 POOL 16 DR(HD)	1327	55	50	108	36	0	8	39	24	6
OVERALL MEAN	1904	57.0	49.1	114.0	41.9	0.9	6.6	41.2	31.3	6.1
STANDARD ERROR	127	0.3	0.6	1.8	2.4	0.4	1.1	1.3	1.4	1.7
LSD 5%	681	1.9	3.0	9.7	12.7	NS	NS	NS	7.7	9.2
PROB. OF F.	0.005	0.000	0.000	0.004	0.003	0.180	0.220	0.334	0.042	0.024
COEFF. OF VARIATION	25.0	2.3	4.2	5.9	21.2	143	61.0	11.5	17.2	105

Planted : 12 July

Harvested : 21 Oct.

Weather : Favourable

Season's Rainfall (July-Oct): 1655 mm

Total Annual Rainfall :

Fertilizer : 100 kg N, 40 kg P₂O₅,
40 kg K₂O/ha

Latitude : 8°06'N

Longitude : 12°05'W

Altitude :

RUVT EARLY 1991
 COOPERATOR : GAYE SENA YASSINE
 LOCATION : DONGOUI (TCHAD)

Table 1-32

No. OF REPS = 4

No. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL. HT.	E. HT.	P. HARV	E. HARV
7 IKENNE 88 BU-ESRW	2315	53	188	63	29	34
2 ACROSS 88 POOL 16 DR	2080	53	182	49	27	27
6 TZESR-W-SE	2067	51	179	52	25	25
12 FBC 6	1973	50	202	78	19	19
10 MAKASR BC3 F3	1968	55	189	71	25	25
4 KAMBOINSE 88 POOL 16 DR	1960	53	174	59	26	26
5 TZE COMP. 3 X 4	1933	52	186	62	26	26
8 EV 8730-SR BC6	1893	53	183	60	26	26
13 SAFITA-2 (RE)	1867	47	175	60	26	26
1 ACROSS 86 POOL 16 DR	1853	48	178	56	26	27
14 CHECK (Kouri)	1811	48	137	41	27	28
3 FARAKO-BA 88 POOL 16 DR(HD)	1800	50	169	51	28	29
11 BDP-SR BC3 F3	1555	54	216	90	25	25
9 EV 8731-SR BC6	1493	50	190	61	24	24
OVERALL MEAN	1897	51.0	181.8	60.7	25.4	26.0
STANDARD ERROR	180	0.9	3.8	2.2	1.5	1.7
LSD 5%	NS	4.7	20.4	11.8	NS	NS
PROB. OF F.	-	0.030	0.000	0.000	-	-
COEFF. OF VARIATION	35.4	6.4	7.8	13.6	21.8	24.6

Planted : 14 July

Fertilizer : 30 kg N/ha

Remarks:

Harvested : 2 Oct.

- Attack by
termites and
grasshoppers

Weather : Favourable

Latitude :

Season's Rainfall (June-Sept) : 397 mm

Longitude :

Total Annual Rainfall : 454 mm

Altitude :

RUVT EARLY 1991

COOPERATOR: RENAUD H/TOKY P.
LOCATION: BROUKOU (TOGO)

NO. OF REPS = 4

NO. OF ENTRIES = 14

Table 1-33

ENTRY	YIELD	DYS SLK	PL ST	PL HT	E HT	RL	SL	P HARV	E HARV
14 CHECK (Ikenne 8149 SR)	7267	57	47	209	103	6	12	45	41
2 ACROSS 88 POOL 16 DR	6441	50	51	189	90	0	8	49	46
9 EV 8731-SR BC6	6419	50	51	201	96	3	11	51	46
1 ACROSS 86 POOL 16 DR	6219	48	51	190	88	1	2	49	47
7 IKENNE 88 BU-ESRW	5991	50	52	200	91	0	4	51	47
4 KAMBOINSE 88 POOL 16 DR	5985	51	51	193	92	1	10	50	47
3 FARAKO-BA 88 POOL 16 DR (HD)	5817	50	52	188	88	0	3	51	47
5 TZE COMP 3 X 4	5680	51	50	191	87	1	5	49	46
12 FBC 6	5609	53	52	208	112	1	7	51	46
8 EV 8730-SR BC6	5227	52	51	206	99	5	15	50	43
13 SAFITA-2 (RE)	5120	51	52	186	87	1	4	51	43
10 MAKASR BC3 F3	5033	51	52	202	104	1	6	50	47
6 TZESR-W-SE	4985	52	51	198	90	0	4	50	45
11 BDP-SR BC3 F3	4789	51	52	236	133	1	15	52	49
OVERALL MEAN	5753	51.1	50.8	199.5	96.9	1.3	7.4	49.9	45.6
STANDARD ERROR	121	0.3	0.4	2.6	2.1	0.6	1.3	0.5	0.7
LSD 5%	648	1.6	1.9	13.8	11.4	3.3	7.1	2.5	4.0
PROB. OF F	0.000	0.000	0.002	0.000	0.000	0.010	0.003	0.003	0.037
COEFF. OF VARIATION	7.9	2.2	2.6	4.8	8.2	176	67.0	3.5	6.1

Planted : 17 June

Harvested : 8 Oct.

Weather : Favourable

Season's Rainfall (June-Sept): 929 mm

Total Annual Rainfall : 1403 mm

Fertilizer : 83.5 kg N, 37.5 kg P₂O₅,
37.5 kg K₂O and 5 t/ha organic manure/ha

Latitude : 9°45'N

Longitude : 0°55'E

Altitude :

RUVT EARLY 1991
 COOPERATOR: RENAUD H/TOKY P.
 LOCATION: TANTIEGOU (TOGO)

Table 1-34

NO. OF REPS = 4

NO. OF ENTRIES = 14

ENTRY	YIELD	DYS SLK	PL ST	PL HT	E HT	RL	SL	P. HARV	E. HARV
3 FARAKO-BA 88 POOL 16 DR (HD)	5873	53	51	189	70	0	3	50	48
4 KAMBOINSE 88 POOL 16 DR	5848	56	52	190	69	2	1	51	46
13 SAFITA-2 (RE)	5543	56	51	190	71	1	1	51	49
12 FBC 6	5389	59	52	181	69	2	1	50	48
7 IKENNE 88 BU-ESRW	5308	59	51	192	67	3	2	50	46
10 MAKASR BC3 F3	5176	56	51	199	65	2	1	50	48
5 TZE COMP 3 X 4	5159	56	51	191	71	2	1	50	49
8 EV 8730-SR BC6	4911	61	51	184	71	1	1	51	48
1 ACROSS 86 POOL 16 DR	4759	51	50	189	70	1	2	49	46
11 BDP-SR BC3 F3	4652	59	52	194	70	2	0	50	46
9 EV 8731-SR BC6	4507	55	51	189	68	1	2	50	47
14 CHECK (Ikenne 8149-SR)	4175	55	51	185	73	1	1	49	45
2 ACROSS 88 POOL 16 DR	3852	52	52	195	70	1	1	50	47
6 TZE SR-W-SE	3565	59	52	182	68	1	2	51	49
OVERALL MEAN	4908	51.1	50.8	199.5	96.9	1.3	7.4	49.9	45.6
STANDARD ERROR	452	0.3	0.4	2.6	2.1	0.6	1.3	0.5	0.7
LSD 5%	1292	1.6	1.9	13.8	11.4	3.3	7.1	2.5	4.0
PROB. OF F	0.016	0.000	0.002	0.000	0.000	0.010	0.003	0.003	0.037
COEFF. OF VARIATION	18.4	2.2	2.6	4.8	8.2	176	67.0	3.5	6.1

Planted : 13 June

Harvested : 17 Sept.

Weather : Favourable

Season Rainfall (June-Sept): 678 mm

Total Annual Rainfall : 1049 mm

Fertilier : 83.5 kg N, 35.5 kg P₂O₅,
 37.5 kg K₂O, 5 t/ha organic manure

Latitude : 10°52'N

Longitude : 0°10'E

Altitude :

RUVT EXTRA-EARLY

RUVT EXTRA-EARLY 1991
 COOPERATOR : R.A. DOSSOU
 LOCATION : ANGARADEBOU (BENIN)

Table 2-1

No. OF REPS = 4

No. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. ST.	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	E. ROT
1 CSP-SR BC3 F3	4372	46	49	155	52	1	4	48	45	1
4 TZESR-W X GUA 314 BC1 F6	4223	50	47	170	66	1	4	45	47	0
2 TZEE-WSR BC3 F3	4006	49	51	181	65	2	3	49	47	0
10 CHECK (Kito)	3802	50	44	168	70	3	4	43	41	0
8 CSP X L. RAYTIRI F6	3704	47	50	160	54	2	4	48	49	0
5 CSP	3651	46	47	144	43	2	2	47	45	0
9 TZEF-Y	3566	47	48	149	62	4	5	46	42	1
3 TZEE-YSR BC3 F3	3189	46	50	148	57	3	5	49	45	0
6 TZEE-W	2668	45	49	146	49	4	8	48	46	0
7 TZEE-Y	2200	41	47	133	34	5	10	45	41	0
OVERALL MEAN	3538	46.7	48.1	155.2	55.1	2.7	4.8	46.8	44.8	0.3
STANDARD ERROR	136	0.3	1.3	3.4	3.0	0.6	0.8	1.3	1.1	0.2
LSD 5%	623	1.5	NS	15.5	13.6	NS	3.6	NS	5.2	NS
PROB. OF F.	0.000	0.000	0.443	0.000	0.000	0.206	0.003	-	0.034	-
COEFF. OF VARIATION	12.1	2.2	8.4	6.9	17.0	76.3	51.6	9.2	8.0	190

Planted : 8 July

Harvested : 12 Oct.

Weather :

Season's Rainfall (June-Sept): 532 mm

Total Annual Rainfall :

Fertilizer : 60 kg/ha N, 40 kg/ha P₂O₅,
 0 kg/ha K₂O

Latitude : 11°20'N

Longitude : 3°08'E

Altitude :

RUVT EXTRA-EARLY 1991
 COOPERATOR : R.A. DOSSOU
 LOCATION : GUENE (BENIN)

Table 2-2

NO. OF REPS = 4

NO. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. ST.	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	RUST	HELM.	CURV.	STR.	INS.
2 TZEE-WSR BC3 F3	4771	49	49	157	75	6	3	48	47	2.0	2.1	2.3	1.1	1.5
5 CSP	4356	46	46	138	53	7	7	45	43	2.3	2.0	2.4	1.3	1.8
10 CHECK (KITO)	4224	50	45	177	77	8	5	42	41	2.0	2.4	2.7	1.2	1.0
1 CSP-SR BC3 F3	3859	48	47	132	44	7	3	45	43	2.1	2.3	2.8	1.1	2.5
8 CSP X L. RAYTIRI F6	3654	50	47	154	60	5	3	45	44	2.6	2.3	2.3	1.5	1.8
3 TZEE-Y SR BC3 F3	3602	45	46	147	52	12	3	44	43	2.2	2.4	2.5	1.1	1.8
4 TZESR-W X GUA 314 BC1 F6	3454	51	42	159	68	6	5	41	36	2.1	2.2	2.5	1.1	1.3
9 TZEF-Y	3349	47	45	138	53	7	6	44	41	2.1	2.5	2.5	1.5	1.5
6 TZEE-W	3003	45	46	149	58	9	4	44	42	2.1	2.3	2.4	1.3	2.3
7 TZEE-Y	2375	44	46	118	32	7	4	44	39	2.1	2.2	2.6	1.3	2.8
OVERALL MEAN	3665	47.2	45.7	146.6	57.1	7.2	4.5	44.1	41.8	2.2	2.3	2.5	1.2	1.8
STANDARD ERROR	156	0.6	1.1	4.6	4.1	1.2	1.0	1.2	1.4	0.1	0.1	0.1	0.1	0.2
LSD 5%	716	2.9	NS	21.2	18.6	NS	NS	NS	NS	NS	0.3	NS	NS	1.0
PROB. OF F.	0.000	0.000	0.346	0.001	0.001	0.432	0.426	-	0.122	0.062	0.051	0.120	0.107	0.026
COEFF. OF VARIATION	13.5	4.3	7.5	10.0	22.5	53.3	67.8	8.7	10.7	-	8.9	9.9	19.2	37.8

Planted : 19 June

Harvested : 25 Sept.

Weather :

Season Rainfall (June-Sept): 549 mm

Total Annual Rainfall :

Fertilizer : 60 kg N, 40 kg/ha P₂O₅,
 and 0 kg/ha K₂O

Latitude : 11°45'N

Longitude : 3°15'E

Altitude : 292 m

RUVT EXTRA-EARLY 1991
 COOPERATOR : SANOU JACOB
 LOCATION : FARAKO-BA (BURKINA FASO)

Table 2-3

No. OF REPS = 4

No. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. ST.	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	RUST	HELM.	STR.	POOR HUSK	INS.
4 TZESR-W X GUA 314 BC1 F6	5375	51	43	155	63	2	0	44	43	1.0	1.6	0	4	1.9
1 CSP-SR BC3 F3	4956	47	44	148	49	4	0	44	42	1.0	1.4	0	13	1.3
2 TZEE-WSR BC3 F3	4664	50	44	159	59	1	0	44	44	1.0	1.6	1	4	2.1
8 CSP X L. RAYTIRI F6	4620	47	44	164	60	5	1	44	39	1.4	1.5	1	16	1.8
9 TZEF-F	4444	47	44	155	59	8	1	43	42	1.1	2.1	2	12	2.4
5 CSP	4128	48	44	146	54	4	1	43	37	1.1	1.4	0	15	1.8
3 TZEE-YSR BC3 F3	4035	47	44	151	54	6	1	43	39	1.4	2.1	0	7	2.5
10 CHECK (Jaune Flint de Saria)	3523	48	43	166	55	8	2	43	40	1.3	2.4	1	4	2.5
6 TZEE-W	2859	45	44	139	54	16	1	43	38	1.1	2.4	1	7	2.8
7 TZEE-Y	1688	43	44	115	41	13	2	42	30	1.6	1.6	1	10	3.8
OVERALL MEAN	4029	47.2	43.7	149.8	54.6	6.6	0.7	43.3	39.2	1.2	1.8	0.5	9.0	2.3
STANDARD ERROR	214	0.5	0.1	4.5	2.6	1.3	0.3	0.4	1.4	0.1	0.1	0.3	1.3	0.2
LSD 5%	981	2.2	NS	20.6	11.8	5.9	1.4	1.8	NS	0.3	0.6	NS	6.1	0.7
PROB. OF F.	0.000	0.000	0.063	0.002	0.045	0.000	0.074	0.075	-	0.013	0.002	0.293	0.001	0.000
COEFF. OF VARIATION	16.8	3.2	0.9	9.5	14.8	60.9	139	2.8	11.4	19.8	21.8	217	47.0	22.2

Planted : 5 July

Harvested : 2 Oct.

Weather : Favourable

Season's Rainfall (June-Sept): 636 mm

Total Annual Rainfall : 956 mm

Fertilizer : 97 kg/ha N, 26 kg/ha P₂O₅
 53 kg/ha K₂O

Latitude : 11°06'N

Longitude : 4°20'W

Altitude : 405 m

RUVT EXTRA-EARLY 1991

COOPERATOR : IITA/SAFGRAD

LOCATION : KAMBOINSE SIMPLE RIDGES (BURKINA FASO)

Table 2-4

No. OF REPS = 4

No. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. ST.	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	E. ROT	HUSK COV	POOR HELM.	E. ASP.	DYS TAS	DYS ANT
5 CSP	4151	45	51	147	63	1	0	50	48	0	2.0	3	1.5	42	44
1 CSP-SR BC3 F3	3977	45	52	142	62	3	3	54	52	1	1.6	1	1.6	42	43
3 TZEE-Y SR BC3 F3	3963	44	52	151	70	4	2	53	53	0	2.0	3	1.8	41	42
8 CSP X L. RAYTIRI F6	3814	45	51	156	64	3	5	51	49	2	2.3	4	2.1	42	43
9 TZEF-F	3756	45	53	151	71	8	4	52	49	0	2.4	4	1.9	42	43
10 CHECK (Local Raytiri)	3688	47	51	162	73	4	3	50	45	1	2.9	5	2.3	43	44
2 TZEE-WSR BC3 F3	3395	49	53	153	69	1	2	53	50	0	1.3	0	1.8	44	46
4 TZESR-W X GUA 314 BC1 F6	3358	50	52	161	78	4	3	54	49	0	1.0	0	2.4	44	46
7 TZEE-Y	3183	42	50	144	63	3	8	48	49	1	2.8	9	2.4	39	40
6 TZEE-W	3130	44	49	144	68	7	12	47	48	1	2.0	2	2.5	40	42
OVERALL MEAN	3642	45.5	51.4	151.1	68.0	3.5	4.0	51.1	49.1	0.6	2.0	2.9	2.0	41.7	43.4
STANDARD ERROR	139	0.5	0.9	2.3	2.1	1.1	0.9	0.9	1.1	0.3	0.1	0.5	0.1	0.4	0.3
LSD 5%	637	2.4	NS	10.4	9.8	NS	4.2	4.3	NS	NS	0.7	2.1	0.5	1.8	1.6
PROB. OF F.	0.026	0.000	-	0.003	0.050	0.098	0.001	0.023	0.213	0.194	0.001	0.000	0.000	0.000	0.000
COEFF. OF VARIATION	12.1	3.6	5.3	4.8	9.9	96.9	72.5	5.7	6.8	160	23.0	49.2	15.5	2.9	2.5

Planted : 1 July

Fertilizer : 83 kg/ha N, 46 kg/ha P₂O₅

Harvested : 3 Oct.

28 kg/ha K₂O

Weather : Favourable

Latitude : 12°30'N

Season's Rainfall (June-Sept) : 660 mm

Longitude : 1°33'W

Total Annual Rainfall: 1022 mm

Altitude : 300 m

RUVT EXTRA-EARLY 1991
 COOPERATOR : SANOU JACOB
 LOCATION : KAMBOINSE, TIED RIDGES (BURKINA FASO)

Table 2.5

No. OF REPS = 4

No. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. ST	RL	SL	P. HARV	E. HARV	STR
9 TZEF-Y	4862	49	28	2	1	25	31	47
5 CSP	4566	47	32	4	2	30	31	46
2 TZEE-WSR BC3 F3	4290	48	31	4	1	28	34	46
3 TZEE-YSR BC3 F3	3481	45	30	1	3	26	27	44
1 CSP-SR BC3 F3	2866	46	27	4	2	26	25	44
6 TZEE-W	2575	50	26	3	1	25	30	48
10 CHECK (Jaune Flint de Saria)	2566	50	25	0	4	23	23	48
8 CSP X L. RAYTIRI F6	2560	48	27	0	3	24	22	47
4 TZESR-W X GUA 314 BC1 F6	1751	51	24	1	1	20	17	50
7 TZEE-Y	1289	42	22	4	3	19	19	40
OVERALL MEAN	3081	47.6	26.8	2.3	2.0	24.5	25.9	45.9
STANDARD ERROR	412	0.6	1.7	1.3	0.7	1.7	1.7	0.6
LSD 5%	1890	2.9	8.0	NS	NS	NS	7.8	3.0
PROB. OF F.	0.007	0.000	0.258	-		0.189	0.001	0.000
COEFF. OF VARIATION	42.3	4.4	20.6	176	112	22.2	20.7	4.4

Planted : 10 July

Harvested : 19 Oct.

Weather : Favourable

Season's Rainfall (June-Sept): 660 mm

Total Annual Rainfall: 1022 mm

Fertilizer : 74 kg N, 46 kg P₂O₅,
 28 kg K₂O/ha

Latitude : 12°30'N

Longitude : 1°33'W

Altitude : 300 m

Remarks:

- Late planting

- Ridges tied in a very
 wet year

- Poor plant stand

RUVT EXTRA-EARLY 1991
 COOPERATOR : SANOU JACOB
 LOCATION : SARIA (BURKINA FASO)

Table 2-6

No. OF REPS = 4

No. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. ST.	PL. HT	E. HT	RL	SL	P. HARV	E. HARV
8 CSP X L. RAYTIRI F6	3710	46	44	154	58	3	1	39	42
4 TZESR-W X GUA 314 BC1 F6	3452	47	44	158	61	2	0	34	39
5 CSP	3202	45	44	138	51	2	1	37	39
3 TZEE-YSR BC3 F3	2900	45	44	145	50	3	2	35	42
1 CSP-SR BC3 F3	2666	44	44	133	48	5	0	34	40
2 TZEE-WSR BC3 F3	2663	46	44	160	75	2	0	37	38
10 CHECK (Jaune Flint de Saria)	2388	46	44	156	61	8	2	38	39
9 TZEF-Y	2281	46	44	155	64	4	2	35	35
7 TZEE-Y	2195	41	44	135	38	7	2	39	41
6 TZEE-W	1795	44	44	144	60	6	4	36	40
OVERALL MEAN	2725	44.7	43.8	147.6	56.5	4.1	1.3	36.5	39.3
STANDARD ERROR	317	0.4	0.2	4.5	5.5	1.1	0.5	2.4	1.6
LSD 5%	NS	1.7	NS	NS	NS	NS	2.1	NS	NS
PROB. OF F.	0.227	0.000	-	0.072	0.226	0.155	0.029	-	-
COEFF. OF VARIATION	36.8	2.6	1.2	9.6	30.7	88.3	109	20.8	12.9

Planted : 18 July

Fertilizer : 97 kg/ha N, 26 kg/ha P₂O₅,
 53 kg/ha K₂O

Harvested :

Altitude :

Weather :

Longitude :

Season's Rainfall (June-Sept):

Altitude :

Total Annual Rainfall :

RUVT EXTRA-EARLY 1991
 COOPERATOR : CHARLES THE
 LOCATION : MAROUA (CAMEROON)

Table 2-7

NO. OF REPS = 4

NO. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. HT	E. HT	SL	HARV	P. HARV
10 CHECK (Pool 16 DR)	8427	50	204	93	8	46	49
2 TZEE-WSR BC3 F3	7815	47	190	87	15	49	52
4 TZESR-W X GUA 314 BC1 F6	7292	49	188	68	11	47	52
9 TZEF-Y	6842	45	188	73	10	47	50
8 CSP X L. RAYTIRI F6	6545	46	183	80	11	40	43
3 TZEE-YSR BC3 F3	6424	46	186	71	4	43	47
1 CSP-SR BC3 F3	5901	45	161	61	2	38	40
6 TZEE-W	5664	43	171	79	14	39	43
5 CSP	5558	45	170	72	4	39	40
7 TZEE-Y	4374	42	162	61	8	41	42
OVERALL MEAN	6484	45.7	180.3	74.3	8.7	42.7	45.5
STANDARD ERROR	331	0.4	4.6	3.4	1.8	2.0	2.0
LSD 5%	1520	1.6	21.0	15.4	8.0	NS	9.0
PROB. OF F.	0.000	0.000	0.005	0.003	0.031	0.186	0.043
COEFF. OF VARIATION	16.2	2.4	8.0	14.3	64.1	15.2	13.6

Planted :

Harvested : 12 Oct.

Weather :

Season's Rainfall (June-Sept) :

Total Annual Rainfall:

Fertilizer :

Latitude : 10°35'N

Longitude : 14°20'E

Altitude :

RUVT EXTRA-EARLY 1991
 COOPERATOR : CHARLES THE
 LOCATION : SANGUERE (CAMEROON)

Table 2-8

NO. OF REPS = 4

NO. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. ST.	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	E. ROT
10 CHECK (Pool 16 DR)	8673	51	55	184	88	2	3	52	52	1
2 TZEE-WSR BC3 F3	7602	47	51	164	69	4	7	48	55	1
1 CSP-SR BC3 F3	6598	45	54	143	53	4	4	48	51	3
4 TZESR-W X GUA 314 BC1 F6	6476	49	50	167	78	3	6	44	52	2
8 CSP X L. RAYTIRI F6	5907	46	49	162	71	5	8	46	50	5
5 CSP	5809	45	51	127	49	2	5	44	45	3
9 TZEF-Y	5787	46	52	155	58	6	9	46	49	5
3 TZEE-YSR BC3 F3	5303	45	53	153	63	5	11	45	47	2
6 TZEE-W	4409	43	51	139	54	8	9	37	46	2
7 TZEE-Y	3009	42	49	129	49	9	11	33	38	4
OVERALL MEAN	5957	45.8	51.3	152.2	63.0	4.7	7.3	44.2	48.5	2.8
STANDARD ERROR	153	0.3	0.9	4.1	3.3	0.7	0.6	1.1	1.2	0.6
LSD 5%	700	1.5	NS	18.9	15.2	3.2	3.0	5.1	5.7	2.6
PROB. OF F.	0.000	0.000	0.126	0.000	0.000	0.003	0.000	0.000	0.000	0.019
COEFF. OF VARIATION	8.1	2.3	5.5	8.5	16.6	46.6	28.0	8.0	8.0	64.6

Planted : 6 June

Fertilizer :

Harvested :

Weather :

Latitude : 9°17'N

Season's Rainfall (June-Sept) :

Longitude : 13°22'E

Total Annual Rainfall :

Altitude : 240 m

RUVT EXTRA-EARLY 1991
 COOPERATOR : CHARLES THE
 LOCATION : SOUCOUDOU (CAMEROON)

Table-2-9

No. OF REPS = 4

No. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. HT	E. HT	P. HARV	E. HARV	E. ROT
10 CHECK (Pool 16 DR)	7797	49	168	66	55	50	0
4 TZESR-W X GUA 314 BC1 F6	7256	48	180	93	56	53	0
2 TZEE-WSR BC3 F3	7181	46	189	81	54	56	1
8 CSP X L. RAYTIRI F6	6506	44	174	76	53	51	2
1 CSP-SR BC3 F3	6497	42	156	61	58	52	1
5 CSP	6273	44	156	69	51	50	1
9 TZEF-Y	6121	44	164	79	53	49	1
3 TZEE-YSR BC3 F3	6081	44	155	68	53	51	3
6 TZEE-W	5491	42	153	78	56	53	2
7 TZEE-Y	4776	40	151	49	50	46	3
OVERALL MEAN	6398	44.1	164.5	71.9	53.7	51.0	1.3
STANDARD ERROR	146	0.3	5.0	5.4	1.1	1.1	0.3
LSD 5%	668	1.3	23.0	NS	NS	5.0	1.6
PROB. OF F.	0.000	0.000	0.026	0.080	0.105	0.039	0.007
COEFF. OF VARIATION	7.2	2.0	9.6	23.8	6.8	6.7	87.5

Planted : 11 June

Fertilizer :

Harvested : 7 Oct.

Latitude :

Weather :

Longitude :

Season's Rainfall (June-Sept) :

Altitude :

Total Annual Rainfall:

RUVT EXTRA-EARLY 1991
 COOPERATOR : SAHAZO MICHEL
 LOCATION : NDELE/BIBAUGORAU (CENTRAL AFRICAN REPUBLIC)

Table 2-10

No. OF REPS = 4

No. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	E. ROT
4 TZESR-W X GUA 314 BC1 F6	2680	53	111	47	3	1	42	42	6
5 CSP	2240	49	89	36	4	0	43	43	4
2 TZEE-WSR BC3 F3	2080	52	94	45	4	1	40	40	5
1 CSP-SR BC3 F3	1920	49	99	31	3	1	40	40	5
8 CSP X L. RAYTIRI F6	1667	50	98	31	7	1	42	42	10
9 TZEF-Y	1560	49	91	32	5	0	41	41	7
10 CHECK (Toko Bileu)	1507	66	115	49	6	2	29	29	3
3 TZEE-YSR BC3 F3	1440	48	88	31	1	1	44	44	7
6 TZEE-W	1440	45	93	32	8	1	43	43	7
7 TZEE-Y	1160	42	84	24	4	1	46	46	13
OVERALL MEAN	1769	50.1	96.0	35.4	4.4	0.8	40.9	40.9	6.5
STANDARD ERROR	190	0.8	4.4	2.7	1.2	0.3	1.3	1.3	0.8
LSD 5%	872	3.5	NS	12.2	5.4	NS	6.2	6.2	3.5
PROB. OF F.	0.045	0.000	0.066	0.002	0.381	-	0.001	0.001	0.000
COEFF. OF VARIATION	34.0	4.9	14.5	23.7	85.7	119	10.4	10.4	57.1

Planted : 16 June

Fertilizer : 50 kg/ha urea only

Harvested : 10 Oct.

Latitude :

Weather : Favourable

Longitude :

Season's Rainfall (June-Sept): 620 mm

Altitude : 500 m

Total Annual Rainfall:

RUVT EXTRA-EARLY 1991
 COOPERATOR : ATTIEY KOFFI
 LOCATION : BOUAKE (COTE D'IVOIRE)

Table 2-11

No. OF REPS = 4

No. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. ST.	PL HT	E. HT	RL	SL	P. HARV	E. HARV	E. ROT	P. ASP.
4 TZESR-W X GUA 314 BC1 F6	4181	49	51	204	90	13	7	48	45	1	2.8
5 CSP	4136	45	48	175	75	12	7	49	46	2	2.5
1 CSP-SR	3583	46	51	165	71	12	6	47	41	2	2.8
10 CHECK (Comp. D)	3218	47	44	213	111	12	18	42	38	2	3.3
2 TZEE-WSR BC3 F3	2980	50	50	178	78	24	7	44	40	3	2.8
9 TZEF-Y	2455	45	51	179	79	10	18	48	43	3	3.3
6 TZEE-W	2361	43	51	158	70	12	15	46	43	5	3.3
8 CSP X L. TAYTIRI F6	2265	46	50	181	79	10	10	47	40	8	2.8
3 TZEE-YSR BC3 F3	1780	46	40	166	73	11	12	41	39	8	3.0
7 TZEE-Y	1220	43	47	163	69	10	19	43	36	14	3.3
OVERALL MEAN	2818	45.8	49.0	178.0	79.4	12.5	11.8	45.5	41.1	4.7	3.0
STANDARD ERROR	205	0.5	1.0	4.8	3.6	1.7	1.7	1.6	2.1	1.0	0.2
LSD 5%	941	2.3	NS	22.0	16.4	7.6	7.9	NS	NS	4.5	NS
PROB. OF F.	0.000	0.000	0.078	0.000	0.001	0.030	0.004	0.252	-	0.000	0.377
COEFF. OF VARIATION	23.0	3.4	6.6	8.5	14.3	42.3	46.6	11.2	15.8	66.1	18.1

Planted : 16 July

Fertilizer :

Harvested :

Latitude : 7°42'N

Weather :

Longitude : 5°02'W

Season's Rainfall (June-Sept):

Altitude : 376 m

Total Annual Rainfall:

RUVT EXTRA-EARLY 1991

COOPERATOR : ATTIEY KOFFI

LOCATION : FERKESSEDOUGOU (COTE D'IVOIRE)

Table 2-12

No. OF REPS = 4

No. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. ST.	PL HT	E. HT	RL	SL	P. HARV	E. HARV	RUST	HELM	STR.	MAT
2 TZEE-WSR BC3 F3	5965	45	44	170	73	2	1	44	45	2.0	2.3	1.0	88
1 CSP-SR BC3 F3	4447	42	36	146	51	2	0	34	35	2.0	2.0	1.0	78
5 CSP	4426	42	34	140	56	3	0	33	34	2.0	2.0	1.5	80
9 TZEF-Y	4165	42	42	156	66	2	1	41	41	2.8	2.5	1.5	76
8 CSP X L. RAYTIRI F6	3914	42	32	160	75	1	3	32	32	3.0	2.3	1.3	75
4 TZESR-W X GUA 314 BC1 F6	3691	46	28	163	69	1	1	28	29	2.0	2.3	1.3	85
3 TZEE-YSR BC3 F3	3278	41	33	149	66	2	1	32	33	3.8	2.3	1.0	75
10 CHECK (COMP. D)	3165	42	27	149	60	3	2	27	27	2.3	2.3	1.0	74
6 TZEE-W	2810	39	38	143	61	6	4	35	36	2.0	3.0	1.5	74
7 TZEE-Y	1495	38	29	130	45	5	2	22	22	2.5	2.8	1.0	71
OVERALL MEAN	3736	41.8	34.2	150.5	62.3	2.5	1.5	32.7	33.3	2.4	2.4	1.2	77.1
STANDARD ERROR	193	0.2	1.8	2.9	2.0	0.7	0.4	1.8	1.8	0.1	0.1	0.2	0.4
LSD 5%	886	0.9	8.4	13.5	9.2	NS	1.8	8.2	8.1	0.4	NS	NS	2.0
PROB. OF F.	0.000	0.000	0.003	0.000	0.000	0.080	0.012	0.000	0.000	0.000	0.059	-	0.000
COEFF. OF VARIATION	16.3	1.4	17.0	6.2	10.2	87.2	84.7	32.7	16.8	12.2	18.3	43.9	1.8

Planted : 1 July

Harvested : 26 Oct.

Weather :

Season's Rainfall (June-Sept) :

Total Annual Rainfall:

Fertilizer :

Latitude : 7°42'N

Longitude : 5°00'W

Altitude : 376 m

RUVT EXTRA-EARLY 1991
 COOPERATOR : M.S. MBENGA
 LOCATION : SAPU (GAMBIA)

Table 2-13

NO. OF REPS = 4

NO. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. HT	E. HT	RL	SL	P. HARV	E. HARV
10 CHECK (JEKA)	5173	54	187	74	3	1	48	39
8 CSP X L. RAYTIRI F6	4507	45	153	55	6	4	47	45
3 TZEE-YSR BC3 F3	4347	44	154	52	3	3	49	47
2 TZEE-WSR BC3 F3	4133	48	166	59	6	2	50	44
9 TZEF-Y	3867	46	161	54	4	1	49	45
5 CSP	3840	45	169	52	5	1	43	41
4 TZESR-W X GUA 314 BC1 F6	3787	49	166	50	2	0	48	43
1 CSP-SR BC3 F3	3387	45	151	46	7	4	49	45
6 TZEE-W	3013	43	155	50	17	6	48	47
7 TZEE-Y	2880	42	126	34	7	8	44	38
OVERALL MEAN	3893	46.0	158.8	52.4	6.1	2.9	47.3	43.1
STANDARD ERROR	266	0.4	6.1	3.9	1.3	0.6	0.9	1.4
LSD 5%	1220	1.7	28.0	17.7	5.8	3.0	4.2	NS
PROB. OF F.	0.021	0.000	0.025	0.026	0.001	0.000	0.023	0.087
COEFF. OF VARIATION	21.6	2.5	12.2	23.3	65.9	70.7	6.1	10.3

Planted : 25 July

Harvested : 10 Oct.

Weather : Not favourable

Season's Rainfall (June-Sept):

Total Annual Rainfall :

Fertilizer : 81 kg/ha N, 36 kg/ha P₂O₅,
 36 kg/ha K₂O

Latitude : 13°33'N

Longitude : 14°54'W

Altitude : 2 m

Remarks:

- Late planting
- Severe moisture stress

RUVT EXTRA-EARLY 1991
 COOPERATOR : P.Y.K. SALLAH
 LOCATION : MANGA (GHANA)

Table 2-14

NO. OF REPS = 4

NO. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. ST.	PL HT	E. HT	RL	SL	P. HARV	E. HARV	E. ROT	E. ASP.
4 TZESR-W X GUA 314 BC1 F6	3649	48	47	113	46	13	2	46	46	5	1.8
2 TZEE-WSR BC3 F3	3191	48	51	107	40	15	4	50	51	9	2.5
10 CHECK (Across 87 POOL 16 SR)	3110	48	44	108	41	16	4	43	40	5	2.5
1 CSP-SR BC3 F3	2637	43	50	95	32	12	11	47	44	7	2.5
8 CSP X L. RAYTIRI F6	2263	45	47	106	51	14	8	46	37	9	2.8
9 TZEF-Y	2188	43	49	109	38	14	8	46	42	10	3.0
5 CSP	2177	46	47	95	29	10	4	46	39	6	2.8
6 TZEE-W	1955	41	49	90	34	18	6	47	42	9	3.0
3 TZEE-YSR BC3 F3	1923	45	49	94	30	17	5	43	38	11	3.3
7 TZEE-Y	913	41	44	86	27	6	8	38	26	12	3.3
OVERALL MEAN	2401	44.6	47.5	100.3	36.7	13.3	5.7	47.1	40.3	8.1	2.7
STANDARD ERROR	234	0.7	1.1	3.7	3.4	1.8	1.3	1.4	1.8	1.0	0.3
LSD 5%	1075	3.1	NS	16.9	NS	NS	NS	NS	8.2	4.7	NS
PROB. OF F.	0.001	0.000	0.171	0.026	0.068	0.165	0.166	0.064	0.000	0.027	-
COEFF. OF VARIATION	30.9	4.7	7.5	11.6	28.9	41.7	70.1	9.7	14.0	40.2	36.1

Planted : 31 May

Harvested : 3 Oct.

Weather : Favourable

Season's Rainfall (June-Sept) : 589 mm

Total Annual Rainfall : 946 mm

Fertilizer : 90 kg/ha N, 60 kg/ha P₂O₅,
 0 kg/ha K₂O

Latitude : 11°01'N

Longitude : 00°16'W

Altitude : 249m

Remarks:

- Late harvesting

RUVT EXTRA-EARLY 1991
 COOPERATOR : P.Y.K. SALLAH
 LOCATION : NYANKPALA (GHANA)

Table 2-15

No. OF REPS = 4

No. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL HT	E. HT	RL	SL	P. HARV	E. HARV	E. ROT	RUST	HELM.	CURV.	STR	E. ASP.
10 CHECK (Across 87 Pool 16 SR)	5828	49	146	67	5	2	45	46	4	1.0	1.8	1.5	2	1.5
2 TZEE-WSR BC3 F3	5650	47	144	66	17	5	52	52	5	1.0	1.5	1.5	1	1.8
4 TZESR-W X GUA 314 BC1 F6	5475	48	140	63	15	2	49	50	4	1.3	1.5	1.8	2	1.5
5 CSP	4816	46	132	57	14	5	51	50	4	1.5	1.3	1.8	3	2.3
1 CSP-SR BC3 F3	4774	45	125	47	12	2	52	50	8	1.5	1.5	2.0	1	2.5
8 CSP X L. RAYTIRI F6	4600	45	145	64	18	10	53	50	8	2.5	1.8	2.0	3	2.8
9 TZEF-Y	4492	46	137	62	17	6	51	51	10	1.8	2.3	1.5	3	2.8
3 TZEE-YSR BC3 F3	3721	46	137	60	11	18	51	52	10	3.0	2.0	1.8	1	3.0
5 TZEE-W	3589	44	132	64	21	11	51	50	9	1.8	1.8	2.3	3	3.5
7 TZEE-Y	2938	42	127	45	7	11	50	48	7	4.0	1.8	1.8	3	3.0
OVERALL MEAN	4588	45.7	136.3	59.5	13.6	7.1	50.3	49.8	6.8	1.9	1.7	1.8	2.1	2.5
STANDARD ERROR	212	0.3	4.9	2.4	1.7	1.0	0.9	1.0	0.9	0.2	0.2	0.2	0.3	0.2
LSD 5%	972	1.5	NS	11.1	7.9	4.7	4.0	NS	4.3	0.7	NS	NS	1.2	0.7
PROB. OF F.	0.000	0.000	-	0.003	0.007	0.000	0.026	0.225	0.011	0.000	-	-	0.000	0.000
COEFF. OF VARIATION	14.6	2.3	11.4	12.9	40.2	45.2	5.4	6.1	43.6	24.8	34.5	29.2	38.7	20.6

Planted : 6 June

Harvested : 9 Sept.

Weather : Favourable

Season's Rainfall (June-Sept) : 928 mm

Total Annual Rainfall : 1468 mm

Fertilizer : 90 kg/ha N, 60 kg/ha P_2O_5 ,
 0 kg/ha K_2O

Latitude : $9^{\circ}26'N$

Longitude : $0^{\circ}59'W$

Altitude : 183 m

RUVT EXTRA-EARLY 1991
 COOPERATOR : P.Y.K. SALLAH
 LOCATION : WA (GHANA)

Table 2-16

NO. OF REPS = 4

NO. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL HT	E. HT	SL	P. HARV	E. HARV	E. ROT	E. ASP.
10 CHECK (Across 87 Pool 16 SR)	1150	52	74	37	0	35	22	2	3.5
2 TZEE-WSR BC3 F3	1045	51	87	36	1	40	30	2	4.5
9 TZEF-Y	1045	46	79	34	4	35	27	3	4.0
4 TZEZR-W X GUA 314 BC1 F6	940	52	72	33	1	38	25	0	4.3
1 CSP-SR BC3 F3	887	46	61	24	2	42	27	2	4.3
5 CSP	785	46	74	30	2	35	25	1	4.5
3 TZEE-YSR BC3 F3	760	46	71	21	4	41	28	3	4.8
8 CSP X L. RAYTIRI F6	732	47	70	24	2	40	25	3	4.8
6 TZEE-W	487	45	66	25	6	33	22	1	5.0
7 TZEE-Y	404	46	61	18	7	24	16	4	5.0
OVERALL MEAN	824	47.6	71.4	28.0	2.8	36.1	24.6	1.9	4.5
STANDARD ERROR	109	0.4	5.1	2.5	0.5	2.4	2.4	0.5	0.2
LSD 5%	NS	1.9	NS	11.3	2.2	11.1	NS	NS	0.7
PROB. OF F.	0.082	0.000		0.015	0.000	0.101	0.354	0.153	0.007
COEFF. OF VARIATION	41.7	2.7	22.6	27.8	53.8	21.2	30.4	86.7	11.5

Planted : 28 June

Harvested : 1 Nov.

Weather : Not favourable

Season's Rainfall (June-Sept) :

Total Annual Rainfall :

Fertilizer : 90 kg/ha N, 60 kg/ha P_2O_5 ,
 0 kg/ha K_2O

Latitude :

Longitude :

Altitude :

RUVT EXTRA-EARLY 1991
 COOPERATOR : SOW ABDOULAYE
 LOCATION : BARENG-PITA (GUINEA)

Table 2-17

NO. OF REPS = 4

NO. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. HT	E. HT	P. HARV	E. HARV	E. ROT	RUST	HELM.
1 CSP-SR BC3 F3	718	67	93	25	45	20	1	1.3	1.0
2 TZEE-WSR BC3 F3	563	72	95	29	45	23	1	1.3	1.3
5 CSP	509	67	97	30	44	21	1	1.0	1.0
7 TZEE-Y	492	56	89	25	33	6	0	1.0	2.3
6 TZEE-W	443	62	86	28	41	18	1	1.5	2.0
9 TZEF-Y	311	63	88	28	42	16	2	1.0	2.0
8 CSP X L. RAYTIRI F6	300	62	109	37	42	14	1	1.0	1.5
3 TZEE-YSR BC3 F3	278	61	114	31	40	13	3	1.0	2.5
4 TZESR-W X GUA 314 BC1 F6	274	68	82	25	38	10	1	1.3	1.0
10 CHECK (Kodoro)	155	66	106	39	16	6	0	1.0	2.3
OVERALL MEAN	404	64.4	95.7	29.7	38.5	14.5	1.2	1.1	1.7
STANDARD ERROR	91	0.7	6.9	3.3	1.6	2.1	0.5	0.1	0.2
LSD 5%	418	3.2	NS	NS	7.5	9.5	NS	NS	0.7
PROB. OF F.	0.244	0.000	-	-	0.000	0.006	-	0.420	0.000
COEFF. OF VARIATION	71.2	3.5	22.7	35.7	13.5	45.0	150	30.5	30.3

Planted : 12 June

Harvested : 25 Sept.

Weather : Not favourable

Season's Rainfall (June-Sept) : 1436 mm

Total Annual Rainfall : 1779 mm

Fertilizer : 400 kg/ha 15-15-15,
 200 kg/ha Urea

Latitude : 11°10'N

Longitude : 12°31'W

Altitude : 965 m

Remarks:

- Climate more suited for
 later maturing varieties

RUVT EXTRA-EARLY 1991
 COOPERATOR : NTJI COULIBALY
 LOCATION : MASSANTOLA (MALI)

Table 2-18

No. OF REPS = 4

No. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. ST	PL. HT	E. HT	RL	SL	P. HARV	E. HARV
9 TZEF-Y	5680	46	49	151	65	0	1	46	42
1 CSP-SR BC3 F3	5413	48	48	157	68	3	1	46	38
7 TZEE-Y	5013	49	48	126	40	1	1	45	40
2 TZEE-WSR BC3 F3	4693	49	48	149	61	0	1	47	35
5 CSP-SR BC3 F3	4480	46	47	181	91	0	0	47	38
8 CSP X L. TAYRITI F6	4427	48	49	163	61	2	0	48	40
3 TZEE-YSR BC3 F3	3947	47	48	152	73	0	0	47	37
10 CHECK (Kogoni B)	3893	46	49	157	61	0	1	47	44
6 TZEE-W	3627	45	49	144	63	2	1	47	41
6 TZESR-W X GUA 314 BC1 F6	3520	45	47	164	88	0	0	47	40
OVERALL MEAN	4469	46.7	47.9	154.2	66.9	0.8	0.5	46.4	39.3
STANDARD ERROR	382	NS	1.4	1.4	3.3	0.8	0.6	1.2	2.5
LSD 5%	1111	3.8	NS	14.1	9.6	NS	NS	NS	NS
PROB. OF F.	0.004	0.292	-	0.000	0.000	0.176	-	-	0.368
COEFF. OF VARIATION	17.1	5.6	5.8	6.3	9.9	218	210	5.4	12.8

Planted : 6 July

Fertilizer :

Harvested : 5 Sept.

Weather :

Latitude : 13°29'N

Season's Rainfall (June-Sept) :

Longitude : 7°49'W

Total Annual Rainfall:

Altitude : 465 m

RUVT EXTRA-EARLY 1991
 COOPERATOR : NTJI COULIBALY
 LOCATION : SOTUBA (MALI)

Table 2-19

No. OF REPS = 4

No. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. ST	PL. HT	E. HT	RL	SL	P. HARV	E. HARV
8 CSP X L. RAYTIRI F6	4774	46	48	150	55	5	3	40	43
3 TZEE-YSR BC3 F3	4665	42	51	155	51	3	2	45	48
2 TZEE-WSR BC3 F3	4541	48	51	158	65	3	1	46	50
9 TZEF-Y	4330	47	49	154	55	6	2	41	42
1 CSP-SR BC3 F3	4285	46	51	146	49	7	2	44	45
10 CHECK (Kogoni B)	4129	46	47	154	66	6	2	41	43
4 TZESR-W X GUA 314 BC1 F6	3877	50	49	155	60	2	1	41	42
5 CSP	3576	47	47	150	41	10	2	40	42
6 TZEE-W	3343	42	49	141	49	19	3	40	43
7 TZEE-Y	2680	39	48	141	41	6	2	32	36
OVERALL MEAN	4020	45.1	48.8	150.4	53.3	6.5	2.0	40.9	43.3
STANDARD ERROR	327	0.7	0.9	2.6	3.3	0.8	0.5	2.0	2.0
LSD 5%	NS	3.4	NS	NS	15.2	3.8	NS	NS	NS
PROB. OF F.	0.159	0.000	0.271	0.075	0.019	0.000		0.186	0.196
COEFF. OF VARIATION	25.7	5.2	6.1	5.4	19.7	39.8	84.2	15.6	14.4

Planted : 3 July
 Harvested : 24 Sept.

Weather :

Season's Rainfall (June-Sept) :
 Total Annual Rainfall :

Fertilizer :

Latitude : 12°40'N
 Longitude : 7°57'W
 Altitude : 320 m

RUVT EXTRA-EARLY 1991
 COOPERATOR : SIDI R'CHID
 LOCATION : SYLLA (MAURITANIA)

Table 2-20

No. OF REPS = 4

No. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	E. ROT
1 CSP-SR BC3 F3	2918	47	179	75	13	1	37	39	2
5 CSP	2635	48	179	73	13	1	37	37	1
2 TZEE-WSR BC3 F3	2422	48	213	77	12	0	35	36	1
4 TZESR-W X GUA BC1 F6	2052	47	195	81	13	0	31	32	3
9 TZEF-Y	2015	47	165	71	11	2	30	32	2
6 TZEE-W	1800	47	179	71	16	1	29	30	1
8 CSP X L. RAYITIRI F6	1694	48	190	74	18	2	28	30	2
3 TZEE-YSR BC3 F3	901	48	180	75	18	2	20	25	5
7 TZEE-Y	835	48	164	68	19	3	19	22	4
10 CHECK (CDK)	810	53	198	79	14	3	16	19	3
OVERALL MEAN	1808	47.9	184.0	74.4	14.7	1.4	28.0	30.1	2.3
STANDARD ERROR	269	0.4	8.9	6.9	1.8	0.7	3.0	3.1	0.8
LSD 5%	1235	1.6	NS	NS	NS	NS	13.9	NS	NS
PROB. OF F.	0.010	0.000	0.371	0.135	0.413	-	0.032	0.122	0.265
COEFF. OF VARIATION	47.1	2.4	15.3	29.5	39.0	159	34.3	32.5	104

Planted : 30 July

Fertilizer : 120 kg/ha N

Remarks:

- Very severe moisture stress
- Trial was grown with irrigation (twice/week) but long period of stress because of damage to irrigation equipment.
- Severe attack by cantharides and birds, moderate attack by grasshoppers.

Harvested : 27 Oct.

Latitude :

Weather : Not favourable

Longitude :

Season's Rainfall (June-Sept): 98 mm

Altitude :

Total Annual Rainfall: 107 mm

RUVT EXTRA-EARLY 1991
 COOPERATOR : JIKA NAINO
 LOCATION : TILLABERY (NIGER)

Table 2-21

NO. OF REPS = 4

NO. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. ST	PL. HT	E. HT	P. HARV	E. HARV
2 TZEE-WSR BC3 F3	1653	52	42	177	56	33	28
8 CSP X L. RAYTIRI F6	1531	52	39	184	60	31	30
10 CHECK (P3 KOLLO)	1451	58	37	206	75	49	26
3 TZEE-YSR BC3 F3	1387	51	37	169	57	34	25
9 TZEF-Y	1387	55	38	161	50	35	25
4 TZESR-W X GUA 314 BC1 F6	1077	57	34	179	62	39	27
1 CSP-SR BC3 F3	1035	53	40	151	41	33	26
5 CSP	1005	54	36	156	40	23	26
6 TZEE-W	1003	55	43	174	49	32	30
7 TZEE-Y	656	58	32	148	55	24	18
OVERALL MEAN	1218	54.5	37.6	170.3	54.4	33.2	25.9
STANDARD ERROR	126	0.9	1.8	5.3	3.2	2.7	2.6
LSD 5%	578	4.3	NS	24.2	14.5	12.2	NS
PROB. OF F.	0.038	0.014	0.255	0.001	0.002	0.012	-
COEFF. OF VARIATION	32.7	5.5	15.2	9.8	18.4	25.4	31.9

Planted : 27 June
 Harvested : 16 Sept.

Weather : Just fair
 Season's Rainfall (June-Sept) : 375 mm
 Total Annual Rainfall: 410 mm

Fertilizer : 46 kg/ha N, 36 kg/ha P₂O₅,
 0 kg/ha K₂O

Latitude :
 Longitude :
 Altitude :

Remarks:
 - Moderate attack
 by termites.

RUVT EXTRA-EARLY 1991
 COOPERATOR : E.N.O. IWUAFOR (IAR/ABU)
 LOCATION : MALUNFASHI (NIGERIA)

Table 2-22

No. OF REPS = 4

No. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. ST	PL. HT	E. HT	RL	SL	P. HARV	E. HARV
10 CHECK (TZB)	4773	69	48	212	117	1	0	47	43
4 TZESR-W X GUA 314 BC3 F6	4080	43	52	138	64	3	4	50	49
9 TZEF-Y	3867	44	51	140	70	3	5	51	43
5 CSP	3440	43	51	120	55	3	6	49	42
6 TZEE-W	3387	41	52	114	65	11	10	50	46
2 TZEE-WSR BC3 F3	3200	40	52	131	61	5	6	50	44
7 TZEE-Y	3173	39	52	107	44	11	4	50	40
8 CSP X L. RAYTIRI F6	3013	41	51	137	54	9	6	48	40
1 CSP-SR BC3 F3	2880	44	51	112	51	5	5	48	39
3 TZEE-YSR BC3 F3	2613	41	51	120	54	13	9	49	49
OVERALL MEAN	3443	44.5	51.0	133.1	63.4	6.3	5.5	49.1	43.3
STANDARD ERROR	245	0.4	0.3	2.8	2.1	1.1	1.0	0.6	1.4
LSD 5%	1126	1.8	1.2	12.8	9.6	5.1	4.6	NS	6.4
PROB. OF F.	0.022	0.000	0.000	0.000	0.000	0.000	0.021	0.214	0.020
COEFF. OF VARIATION	22.5	2.8	1.7	6.6	10.4	56.1	58.3	3.7	10.1

Planted : 20 June

Fertilizer :

Remarks:

Harvested : 12 Oct.

- Check variety extremely
late in maturity.

Weather :

Latitude :

Season's Rainfall (June-Sept) :

Longitude :

Total Annual Rainfall :

Altitude :

RUVT EXTRA-EARLY 1991
 COOPERATOR : E.N.O. IWUAFOR (IAR/ABU)
 LOCATION : MINJIBIR (NIGERIA)

Table 2-23

NO. OF REPS = 4

NO. OF ENTRIES = 10

ENTRY	YIELD	50% SLK	PL. ST	PL. HT	E. HT	RL	SL	P. HARV	E. HARV
8 CSP X L. RAYTIRI F6	1440	42	52	100	35	26	10	43	34
5 CSP	1200	42	52	105	32	20	7	39	32
6 TZEE-W	1147	42	51	97	33	36	7	42	33
4 TZESR-W X GUA 314 BC1 F6	1040	46	52	107	38	11	9	43	32
9 TZEF-Y	960	45	52	104	40	12	12	43	30
3 TZEE-YSR BC3 F3	800	42	52	110	39	31	6	41	24
2 TZEE-WSR BC3 F3	720	43	51	110	40	19	10	44	23
7 TZEE-Y	693	39	52	84	32	31	7	40	24
1 CSP-SR BC3 F3	640	43	52	93	33	23	8	41	21
10 CHECK (TZB)	373	70	50	144	71	21	10	34	14
OVERALL MEAN	901	45.2	51.5	105.5	39.4	22.8	8.5	40.9	26.6
STANDARD ERROR	120	0.5	0.2	2.8	1.5	1.2	0.7	1.4	2.0
LSD 5%	552	2.1	0.9	12.8	7.1	5.5	3.1	6.3	9.0
PROB. OF F.	0.020	0.000	0.002	0.000	0.000	0.000	0.015	0.095	0.001
COEFF. OF VARIATION	42.2	3.2	1.2	8.4	12.4	16.5	25.6	10.6	23.3

Planted : 4 July

Harvested : 29 Oct.

Weather :

Season's Rainfall (June-Sept):

Total Annual Rainfall:

Fertilizer :

Latitude : 12°10'W

Longitude : 8°40'E

Altitude :

Remarks:

- Check variety is extremely late in maturity.

RUVT EXTRA-EARLY 1991

COOPERATOR : E.N.O. IWUAFOR (IAR/ABU)

LOCATION : SAMARU (NIGERIA)

No. OF REPS = 4

No. OF ENTRIES = 10

Table 2-24

ENTRY	YIELD	DYS SLK	PL. ST	PL. HT	E. HT	RL	SL	P. HARV	E. HARV
10 CHECK (TZB)	3573	69	51	177	91	0	0	46	41
9 TZEF-Y	3173	45	50	119	49	2	5	47	42
4 TZESR-Y X GUA 314 BC1 F6	3147	42	49	108	47	2	5	47	43
6 TZEE-W	3147	41	51	112	49	12	10	46	42
8 CSP X L. RAYTIRI F6	2720	41	51	123	49	9	9	45	44
2 TZEE-WSR BC3 F3	2507	42	51	123	55	5	9	45	40
3 TZEE-YSR BC3 F3	2453	42	51	111	49	11	7	42	42
5 CSP	2373	42	51	108	44	3	7	42	36
7 TZEE-Y	2373	39	50	106	42	16	6	43	37
1 CSP-SR BC3 F3	2267	43	51	106	45	5	6	41	39
OVERALL MEAN	2773	44.4	50.4	119.0	52.0	6.5	6.1	44.2	40.5
STANDARD ERROR	161	0.4	0.6	2.5	1.9	1.4	1.1	1.3	1.7
LSD 5%	738	1.8	NS	11.4	8.9	6.4	5.0	NS	NS
PROB. OF F.	0.010	0.000	-	0.000	0.000	0.000	0.029	0.351	0.895
COEFF. OF VARIATION	18.4	2.8	4.0	6.6	11.8	67.6	56.8	9.4	13.3

Planted : 28 June

Harvested : 8 Oct.

Weather :

Season's Rainfall (June-Sept):

Total Annual Rainfall:

Fertilizer :

Latitude : 11°11'N

Longitude : 7°38'E

Altitude : 675 m

Remarks:

- Check variety is extremely late in maturity.

RUVT EXTRA-EARLY 1991
 COOPERATOR : NDIAYE ABDOU
 LOCATION : NIORO (SENEGAL)

Table 2-25

No. OF REPS = 4

No. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. HT	E. HT	RL	SL	P. HARV	E. HARV
10 CHECK (Early Thaï)	3757	49	149	74	15	5	42	39
3 TZEE-YSR BC3 F3	2409	40	117	48	11	13	40	42
5 CSP	2164	41	112	44	9	7	37	38
8 CSP X L. RAYTIRI F6	2086	41	115	44	10	17	35	33
1 CSP-SR BC3 F3	2047	40	102	39	26	14	33	34
4 TZESR-W X GUA 314 BC1 F6	1966	48	115	46	9	4	38	37
2 TZEE-WSR BC3 F3	1862	44	117	46	13	11	33	31
9 TZEF-Y	1639	42	106	42	9	12	33	32
7 TZEE-Y	1387	40	106	41	6	19	27	28
6 TZEE-W	1192	40	99	43	7	20	29	35
OVERALL MEAN	2051	42.4	113.7	46.7	11.4	12.0	34.5	34.9
STANDARD ERROR	244	0.9	3.6	2.2	4.6	1.5	2.1	2.6
LSD 5%	1119	4.1	16.7	10.1	NS	6.8	NS	NS
PROB. OF F.	0.008	0.000	0.000	0.000		0.000	0.073	0.446
COEFF. OF VARIATION	37.6	6.7	10.1	14.9	126	39.4	19.3	23.3

Planted : 31 July

Fertilizer :

Harvested :

Latitude : 13°45'N

Weather :

Longitude : 15°50'W

Season's Rainfall (June-Sept):

Altitude : 18 m

Total Annual Rainfall:

RUVT EXTRA-EARLY 1991
 COOPERATOR : INSTITUTE OF AGRIC. RESEARCH
 LOCATION : NJALA (SIERRA LEONE)

Table 2-26

NO. OF REPS = 4

NO. OF ENTRIES = 10

ENTRY	DYS SLK	PL. ST	PL. HT	E. HT	RL	SL
1 CSP-SR BC3 F3	53	52	129	27	1	4
2 TZEE-WSR BC3 F3	55	51	153	55	1	11
3 TZEE-YSR BC3 F3	53	51	114	34	1	9
4 TZESR-W X GUA 314 BC1 F6	56	50	158	51	0	7
5 CSP	54	51	152	38	0	7
6 TZEE-W	51	51	125	42	0	18
7 TZEE-Y	49	49	139	51	1	11
8 CSP X L. RAYTIRI F6	52	50	136	33	0	10
9 TZEY-Y	52	51	163	39	0	7
10 CHECK (Western Yellow)	67	48	204	92	1	3
OVERALL MEAN	54.0	50.1	147.4	-	0.3	8.8
STANDARD ERROR	0.5	0.7	6.4	5.8	0.2	1.7
LSD 5%	2.4	NS	29.6	26.5	NS	8.0
PROB. OF F.	0.000	0.092	0.000	0.002	-	0.040
COEFF. OF VARIATION	3.1	4.2	13.8	39.6	165	62.4

Planted : 3 July

Harvested : 4 Oct.

Weather : Favourable

Season's Rainfall (June-Sept): 1148 mm

Total Annual Rainfall:

Fertilizer : 100 kg/ha N, 40 kg/ha P₂O₅,

40 kg/ha K₂O

Latitude : 8°06'N

Longitude : 12°05'W

Altitude :

Remarks:

- Check variety very late for maturity group of the trial.

RUVT EXTRA-EARLY 1991
 COOPERATOR : GAYE SENA YASSINE
 LOCATION : DONGUI (TCHAD)

Table 2-27

No. OF REPS = 4

No. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. HT	E. HT	P. HARV	E. HARV
3 TSEE-YSR BC3 F3	3413	43	136	39	39	39
1 CSP-SR BC3 F3	3173	43	135	33	32	34
2 TSEE-WSR BC3 F3	3147	45	169	47	33	34
5 CSP	2880	44	137	31	32	32
9 TZEY-Y	2773	42	137	34	31	33
8 CSP X L. RAYTIRI F6	2747	44	146	37	33	33
7 TSEE-Y	2293	41	123	24	31	34
4 TZESR-W X GUA 314 BC1 F6	2080	48	177	49	27	28
10 CHECK (Kouri)	2000	46	150	41	29	29
6 TSEE-W	1813	43	127	34	35	37
OVERALL MEAN	2632	43.7	143.7	36.8	32.1	33.2
STANDARD ERROR	273	0.8	5.3	1.8	1.4	1.2
LSD 5%	NS	NS	24.2	8.4	NS	5.7
PROB. OF F.	0.152	0.061	0.001	0.000	0.073	0.018
COEFF. OF VARIATION	32.8	6.1	11.6	15.8	14.0	11.8

Planted : 14 July

Fertilizer : 30 kg/ha only

Remarks:

Harvested : 24 Sept.

- Mild attack

Weather : Fairly favourable

by grasshoppers

Season's Rainfall (July-Sept): 380 mm

and termites.

Total Annual Rainfall: 454 mm

Latitude : 12°09'N

Longitude : 15°03'W

Altitude :

RUVT EXTRA-EARLY 1991
 COOPERATOR : RENEAUD H./TOKY P.
 LOCATION : BROUKOU (TOGO)

Table 2-28

NO. OF REPS = 4

NO. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. ST	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	STR
4 TZESR-W X GUA 314 BC1 F6	6320	48	51	187	83	0	2	50	45	1
2 TZEE-WSR BC3 F3	5973	47	51	179	78	0	3	51	46	0
1 CSP-SR BC3 F3	5893	44	51	161	64	0	1	49	47	2
5 CSP	5627	45	51	167	67	1	2	49	43	7
8 CSP X L. RAYTIRI F6	4507	45	52	157	56	1	1	50	43	7
10 CHECK (Jaune de Broukou)	4213	51	51	183	84	1	3	47	41	16
3 TZEE-YSR BC3 F3	4160	44	52	157	57	1	0	51	44	5
9 TZEF-Y	3920	46	51	155	65	0	1	48	42	6
6 TZEE-W	3867	42	51	160	70	1	1	50	47	4
7 TZEE-Y	2693	41	51	151	51	1	1	49	43	6
OVERALL MEAN	4717	45.1	50.9	165.7	67.3	0.4	1.4	49.2	43.8	5.3
STANDARD ERROR	272	0.4	0.4	4.0	2.9	0.2	0.5	0.6	1.4	0.8
LSD 5%	1250	1.9	NS	18.5	13.5	NS	NS	NS	NS	3.8
PROB. OF F.	0.000	0.000	-	0.002	0.000	-	0.154	0.428	-	0.000
COEFF. OF VARIATION	18.3	2.9	2.5	7.7	13.8	183	107	4.2	10.0	48.8

Planted : 18 June

Harvested : 18 Sept.

Weather : Favourable

Season's Rainfall (June-Sept) : 929 mm

Total Annual Rainfall: 1403 mm

Fertilizer : 83.5 kg/ha N, 37.5 kg/ha P₂O₅,
 37.5 kg/ha K₂O, 5 t/ha organic manure

Latitude : 9°45'N

Longitude : 0°55'E

Altitude :

RUVT EXTRA-EARLY 1991
 COOPERATOR : RENEAUD H./TOKY P.
 LOCATION : TANTIEGOU (TOGO)

Table 2-29

No. OF REPS = 4

No. OF ENTRIES = 10

ENTRY	YIELD	DYS SLK	PL. ST	PL. HT	E. HT	RL	SL	P. HARV	E. HARV	STR
9 TZEF-Y	5689	46	52	157	55	1	2	51	50	0
8 CSP X L. RAYTIRI F6	4641	51	52	156	54	1	2	51	51	2
5 CSP	4459	46	52	159	54	1	1	52	51	1
7 TZEE-Y	4452	45	52	160	55	2	3	51	51	2
2 TZEE-WSR BC3 F3	4311	46	52	161	53	3	1	52	51	0
10 CHECK (Jaune de Broukou)	3987	52	52	157	52	1	1	51	52	9
4 TZESR-W X GUA 314 BC1 F6	3977	46	52	159	55	1	2	51	51	2
3 TZEE-YSR BC3 F3	3945	52	52	163	57	0	3	51	50	2
1 CSP-SR BC3 F3	3883	46	52	156	51	2	1	51	50	0
6 TZEE-W	3773	45	52	154	49	2	1	51	50	2
OVERALL MEAN	4312	47.4	51.8	158.0	53.4	1.4	1.6	51.3	50.7	2.1
STANDARD ERROR	100	0.4	0.1	1.5	1.2	0.5	0.4	0.2	0.4	0.2
LSD 5%	459	2.0	NS	NS	NS	NS	NS	NS	NS	1.0
PROB. OF F.	0.000	0.000	-	0.268	0.236	-	0.076	-	0.358	0.000
COEFF. OF VARIATION	7.3	3.0	0.9	3.0	7.4	112	70.6	1.4	2.3	32.5

Planted : 13 June

Harvested : 3 Sept.

Weather : Favourable

Season's Rainfall (June-Sept) : 678 mm

Total Annual Rainfall : 1049 mm

Fertilizer : 83.5 kg/ha N, 37.5 kg/ha P_2O_5 ,
 37.5 kg/ha K_2O , 5 t/ha organic manure

Latitude : 10°52'N

Longitude : 0°10'E

Altitude :

**ACROSS-LOCATION
DATA SUMMARIES**

RUVT EARLY

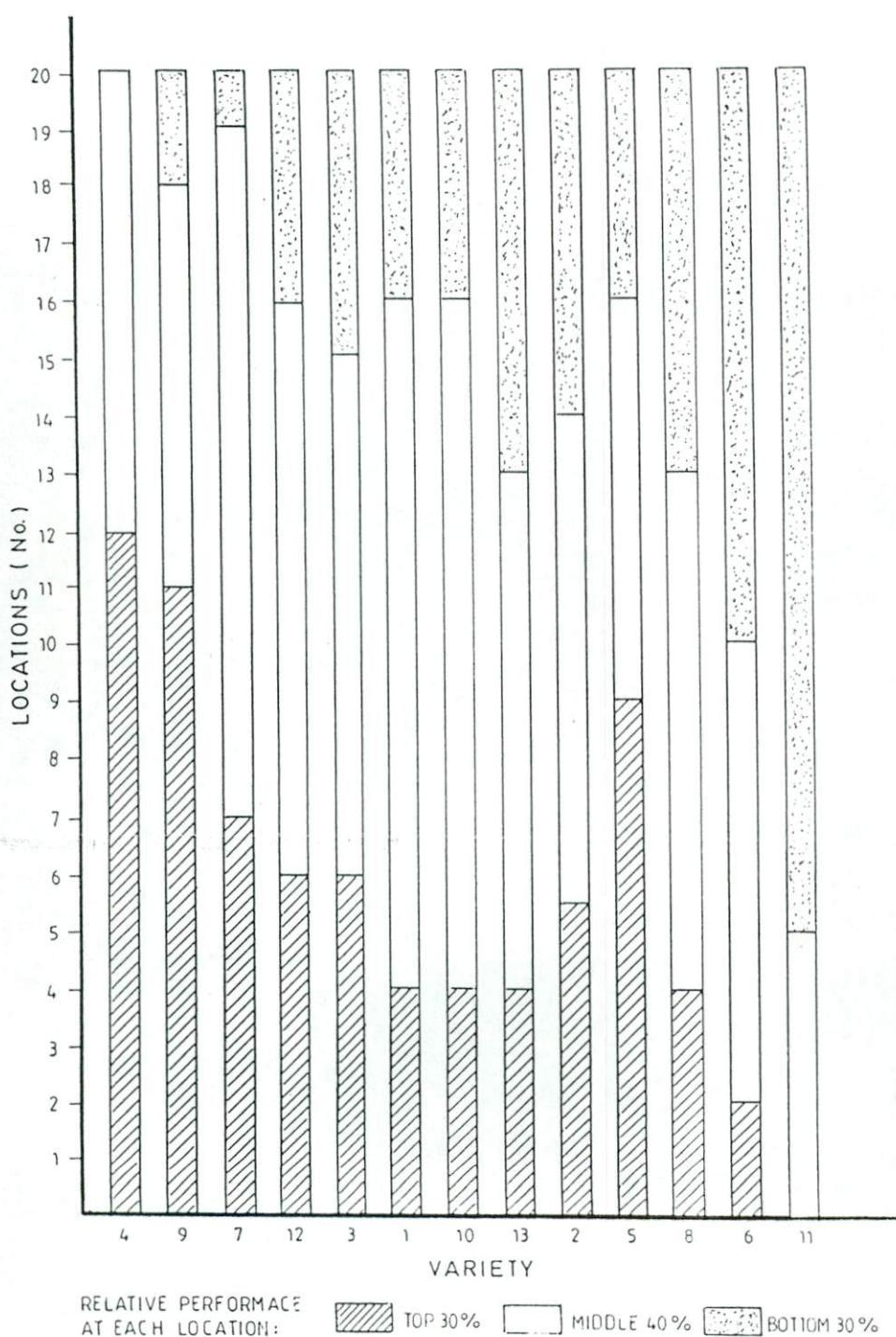
Table 3.1. Grain yield (t/ha at 15% moisture) of varieties tested in RUVT Early trial in 1991
at 20 locations in 12 countries and across-location means for days to 50% silking,
plant height, ear height, and the number of plants and ears harvested.

VARIETIES	LOCATIONS									
	BENIN		BURKINA FASO		CAMEROON			CAR	C.I.	GAMBIA
	1	2	3	4	5	6	7	8	9	10
4 KAMBOINSE 88 POOL 16 DR	4.29	5.82	7.46	3.24	8.01	7.81	8.41	2.33	6.42	3.52
9 EV 8731-SR BC6	4.53	6.03	6.42	3.40	8.92	8.33	8.43	2.79	6.12	3.41
7 IKENNE 88 BU-ESRW	4.81	5.02	5.94	3.38	8.21	7.95	7.57	2.34	5.99	3.95
12 FBC 6	4.76	4.43	7.03	2.80	6.91	7.56	7.94	2.31	6.55	2.83
3 FARAKO-BA 88 POOL 16 DR (HD)	5.41	5.04	5.27	3.58	7.27	7.72	7.87	2.35	5.83	3.25
1 ACROSS 86 POOL 16 DR	4.48	4.57	5.66	3.11	7.59	7.69	7.34	2.26	5.56	3.47
10 MAKASR BC3 F3	3.74	4.06	6.15	3.39	8.00	7.63	7.44	2.27	5.58	3.22
13 SAFITA-2 (RE)	5.03	4.58	5.97	3.24	7.39	7.44	8.04	2.07	6.04	3.04
2 ACROSS 88 POOL 16 DR	4.53	4.85	6.31	3.41	6.33	7.22	8.17	2.39	5.74	3.76
5 TEE COMP. 3 X 4	5.11	5.33	6.23	3.43	7.27	6.87	6.67	2.44	6.46	3.22
8 EV 8730-SR BC6	5.01	5.09	6.82	3.40	6.20	7.64	7.22	1.99	5.44	2.77
6 TZESR-W-SE	4.17	4.56	5.61	3.48	7.43	7.18	7.31	2.13	5.77	2.83
11 BDP-SR BC3 F3	4.14	4.19	5.57	3.13	6.34	6.22	6.01	1.95	5.22	2.83
MEAN	4.62	4.88	6.19	3.31	7.37	7.48	7.57	2.28	5.90	3.23
CHECK	3.84	4.13	5.68	3.37	5.50	7.56	8.17	1.28	2.56	3.36
LSD 5%	NS	0.71	1.25	NS	1.51	NS	1.13	0.64	0.89	NS
PROB. OF F.	0.13	0.00	0.05	-	0.00	0.09	0.00	0.02	0.00	0.31
CV%	17.0	10.3	14.2	12.3	14.6	10.3	10.	20.1	11.0	20.4

Location codes : 1 = Bagou, 2 = Ina, 3 = Farako-Bâ, 4 = Kamboinsé, 5 = Maroua, 6 = Sanguere,
7 = Soucoundou, 8 = Bambari, 9 = Ferkessedougou, 10 = Sapu, 11 = Nyankpala,
12 = Bordo Kankan, 13 = Kilissi, 14 = Kita, 15 = Sotuba, 16 = Bengou,
17 = Malunfashi, 18 = Samaru, 19 = Broukou, 20 = Tantiegou.

Fig.1 RELATIVE PERFORMANCE (YIELD) OF 1991 RUVT
EARLY VARIETIES AT 20 LOCATIONS (12 COUNTRIES)

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<u>Code</u>	<u>Variety Name</u>	<u>Code</u>	<u>Variety Name</u>
1.	Across 88 Pool 16 DR	8.	EV 8730-SR BC6
2.	Across 88 Pool 16 DR	9.	EV 8731-SR BC6
3.	Farako-Bâ 88 Pool 16 DR (HD)	10.	Maka-SR BC3 F3
4.	Kamboinse 88 Pool 16 DR	11.	BDP-SR BC3 F3
5.	TZE Comp. 3 x 4	12.	FBC 6
6.	TZESR-W-SE	13.	SAFITA-2
7.	Ikenne 88 BU-ESR-W		

RUVT EXTRA-EARLY

Table 3.2. Grain yield (t/ha at 15% moisture) of varieties tested in RUVT Extra-Early trials in 1991 at 13 locations in 8 countries and across-location means for days to 50% silking, plant height, ear height, and the number of plant and ear harvested.

VARIETIES	LOCATIONS												
	BENIN		BURKINA FASO		CAMEROON			C.I.	GHANA	MALI	NIGERIA	TOGO	
	1	2	3	4	5	6	7	8	9	10	11	12	13
2 TZEE-WSR BC3 F3	4.01	4.77	3.66	3.39	7.82	7.60	7.18	5.97	5.65	4.69	2.51	5.97	4.31
4 TZESR-W X GUA 314 BC1 F6	4.22	3.45	3.38	3.36	7.29	6.48	7.26	3.69	5.48	3.52	3.15	6.32	3.98
1 CSP-SR BC3 F3	4.37	3.86	4.96	3.98	5.90	6.60	6.50	4.45	4.77	5.41	2.27	5.89	3.88
9 TZEF-Y	3.57	3.35	4.44	3.76	6.84	5.79	6.12	4.17	4.49	5.68	3.17	3.92	5.69
5 CSP	3.65	4.36	4.13	4.15	5.56	5.81	6.27	4.43	4.82	4.48	2.37	5.63	4.46
8 CSP X L. RAYTIRI F6	3.70	3.66	4.62	3.81	6.55	5.91	6.51	3.91	4.60	4.43	2.72	4.51	4.64
3 TZEE-YSR BC3 F3	3.19	3.60	4.04	3.96	6.42	5.30	6.08	3.28	3.72	3.95	2.45	4.16	3.95
6 TZEE-W	2.67	3.00	2.86	3.13	5.66	4.41	5.49	2.81	3.59	3.63	3.15	3.87	3.77
7 TZEE-Y	2.20	2.37	1.69	3.18	4.37	3.01	4.78	1.50	2.94	5.01	2.37	2.69	4.45
MEAN CHECK	3.51	3.60	4.09	3.63	6.26	5.66	6.24	3.80	4.45	4.53	2.68	4.78	4.35
LSD 5%	0.62	0.72	0.98	0.64	1.52	0.70	0.67	0.89	0.97	1.11	0.74	1.25	0.46
PROB. OF F.	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CV %	12.1	13.5	16.8	12.1	16.2	8.1	7.2	16.3	14.6	17.1	18.4	18.3	7.3

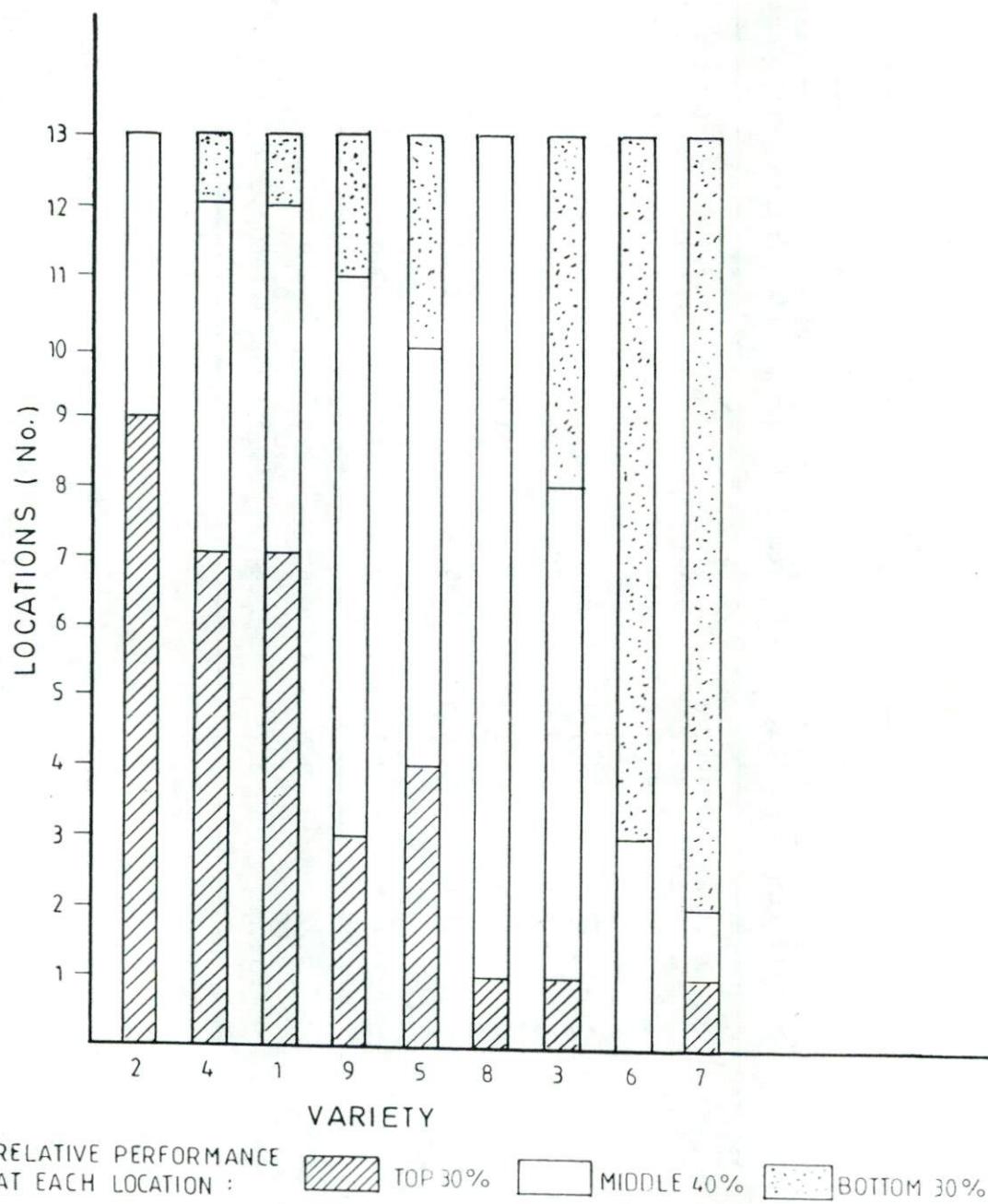
Location codes : 1 = Angaradebou, 2 = Guene, 3 = Farako-Bâ, 4 = Kamboinse, 5 = Maroua, 6 = Sanguere, 7 = Sounoundou, 8 = Ferkessedougou, 9 = Nyankpala, 10 = Massantola, 11 = Samaru, 12 = Broukou, 13 = Tantiegou.

Table 3.2. (Cont'd)

VARIETIES	VARIETY MEAN					
	Grain yield (t/ha)	50% Silk (days)	Plant Ht (cm)	Ear Ht (cm)	Plant harv. ('000/ha)	Ear harv. ('000/ha)
2 TZEE-WSR BC3 F3	5.27 a	47.1 c	163 b	68 a	64.9 a	63.3 a
4 TZESR-W X GUA 314 BC1 F6	4.89 bc	47.7 b	161 bc	70 a	61.7 bc	60.4 b
1 CSP-SR BC3 F3	4.83 bcd	45.0 ef	145 e	54 d	62.3 bc	59.7 bc
9 TZEF-Y	4.69 cde	45.4 de	152 d	63 bc	62.9 b	60.4 b
5 CSP	4.62 de	45.1 e	147 de	59 c	60.5 c	57.2 d
8 CSP X L. RAYTIRI F6	4.58 e	45.9 d	158 c	63 b	62.0 bc	59.9 bc
3 TZEE-YSR BC3 F3	4.16 f	45.1 e	151 d	61 bc	61.7 bc	59.6 bc
6 TZEE-W	3.70 g	43.1 f	145 e	61 bc	60.8 c	59.6 bc
7 TZEE-Y	3.12 h	42.0 g	135 f	47 e	57.6 d	53.7 e
MEAN	4.44	45.1	151	61	61.6	59.3
CHECK	4.98 b	50.1 a	169 a	72 a	60.8 c	58.1 cd
LSD 5%	0.24	0.6	4.6	3.6	1.9	2.2
PROB. OF F.	0.00	0.00	0.00	0.00	0.00	0.00
C.V. %	14.0	3.2	7.9	15.3	8.0	9.8

**Fig.2 RELATIVE PERFORMANCE (YIELD) OF 1991
RUVT EXTRA EARLY VARIETIES AT 13
LOCATIONS (8 COUNTRIES)**

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<u>Code</u>	<u>Variety Name</u>
1.	CSP-SR BC3 F3
2.	TZEE-WSR BC3 F3
3.	TZEE-YSR BC3 F3
4.	TZESR-W X GUA 314 BC1 F6
5.	CSP

<u>Code</u>	<u>Variety Name</u>
6.	TZEE-W
7.	TZEE-Y
8.	CSP X L. RAYTIRI F6
9.	TZEF-Y

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1992-02

COMPIRATION OF DATA FROM 1991 REGIONAL UNIFORM VARIETY TRIALS

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