

**REPORT ON TRAINEE
EXPERIMENTS, TRIALS, AND
DEMONSTRATIONS
NOVEMBER, 1985**

EXPERIMENTS	SORGHUM	51
	PEARL MILLET	24
	GROUNDNUT	54
	MAIZE	2
	PIGEONPEA	5
	INTERCROPPING	20
INTERNATIONAL TRIALS	SORGHUM	1
	PEARL MILLET	1
	GROUNDNUT	1
	PIGEONPEA	1
DEMONSTRATIONS	SORGHUM	8
	PEARL MILLET	8
	MAIZE	2
	GROUNDNUT	10
OTHERS TRIALS		10



**INTERNATIONAL CROPS RESEARCH INSTITUTE
FOR THE SEMI-ARID TROPICS
(ICRISAT)
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GENERAL INFORMATION

Fields: RL2A (Verticilla); RW13 and 14 (ASB), RW12B, RW19R (Alfalfa)

Particulars	Sorghum	Pearl millet	Groundnut	Pigeonpea
1. Experimental design*	RKD, 6T x 4R	RKD, 6T x 4R	RKD, 6T x 4R 8T x 3R	RKD, 6T x 4R 8T x 3R 16T x 3R
2. Size of plot	18 x 24 m	18 x 24 m	18 x 24 m	18 x 24 m
3. Row length	5m	5m	5m	5m
4. Row width	75 cm	75 cm	37.5 cm	75 cm/37.5 cm
5. No. of rows per plot	4	4	8	4/8
6. Land Management	Both ridges and furrows (75 cm) and broadbeds and furrows (1.5 m)	Ridges and furrows (75 cm)	Broadbeds and furrows (1.5 m)	Broadbeds and furrows (1.5 m)
7. General Treatment*				
a. Fertiliser (N-P-K)	60-17-0	60-17-0	10-17-0	10-17-0
b. Weeding	Atrazine (50% WP) @ 1.0 kg a.i./ha. Hand weeding twice	Propazine (50% WP) @ 1.0 kg a.i./ha. Hand weeding twice	Alachlor (40% EC) 4.2 kg/ha Hand weeding twice	- Hand weeding twice
8. Plant protection	Rogor & Thiodan	Thiodan	Rogor	Thiodan and Endosul fan August/Sept.
9. Planting dates	19-20 June	20-25 June	20-25 June	20-25 June
10. Harvesting	2-3 week of October	2 week of September	4 week of October	November-February 1986

* Unless otherwise stated

Details of Experiments and Demonstrations

Sorghum and some pigeonpea and intercropping experiments were planted on Vertisols (BL2A). Pearl millet, groundnut, pigeonpea experiments and intercropping trials were planted on Alfisols. International yield trials and demonstrations were planted both on Vertisols and Alfisols. In addition to the experiments, the crop improvement trainees conducted sorghum/pearl millet international yield trials with 12 entries and 2 replications. Each entry was planted in four rows of 5 m length and 75 cm width both on broadbeds and furrows (1.5 m) on Alfisols and Vertisols for sorghum and pearl millet, while it is 8 rows in the same area in the case of groundnut and pigeonpea.

The crop production trainees established demonstration plots to compare aspects of improved technology with traditional technology. The gross area of each demonstration was 5 x 9 m with 12 rows per plot for pearl millet and sorghum and 24 rows per plot for groundnut. Two rows for pearl millet and sorghum and 4 rows for groundnut were provided as borders for each plot. Groundnut was planted on 1.5 m broadbeds and furrows (Alfisols) while pearl millet (Alfisols) were planted on ridges and furrows (75 cm).

Data were collected on the following plant characters:

Seedling vigour, plant stand, plant height, scoring for pests and disease incidence, leaf area, number of tillers, days to flower, panicle length (nearest cm) and width, number of panicles harvested (nearest 000's), grain or pod yield, grain weight (nearest grams), number of mature and immature pods per plant, dry weight of pods per plant, shelling percentage, dry matter and N.P.K. accumulation in crop plant and weeds, land equivalent ratio, monetary returns for intercropping combinations, economic evaluation of comparisons in demonstration etc.

Selected data were statistically analysed and incorporated in the Tables.

Trainee experiments with sorghum, pearl millet, groundnut and pigeonpea

S.No.	Name	Country	Group	Table No	Details of expt/trials
1.	Md. Hazarat Ali	Bangladesh	CI-C	PM24	Pearl millet varietal trial
				PM25	Pearl millet varietal by nitrogen response trial
2.	Mallon, Gele B	Benin	CI-C	S1	Sorghum varietal trial
				S2	Sorghum varietal by nitrogen response trial
3.	Moumouni, Adjaro	Benin	CI-C	S3	Sorghum varietal trial
				G1	Groundnut varietal trial
4.	Mogorosi, Michael	Botswana	CI-C	S4	Sorghum varietal trial
				PM1	Pearl millet varietal trial
5.	Molapong, Dintle O	Botswana	CI-L	G2	Groundnut varietal trial
				G3	Groundnut disease resistance trial
6.	Mogomotsi Mathews S	Botswana	PS	S44	Weed control trial in sorghum
				IC2	Intercropping trial with Pearl millet & cowpea
7.	Masikara, Synai	Botswana	PS	IC1	Intercropping trial with sorghum & cowpea
				PM20	Time of application and levels of nitrogen on millet
8	Traore, Yousseouf	Burkina Faso	CI-C	S5	Sorghum mold resistance trial
				S6	Sorghum shootfly resistance trial

S.No.	Name	Country	Group	Table No	Details of expt/trials
9.	Benjamin, Ryalet	Burkina Faso	CI-C	S7	Sorghum varietal trial
				PM2	Pearl millet varietal trial
10.	Han, Dawu Mu	Burma	CI-L	G7	Groundnut varietal trial
				G6	Groundnut plant densities by varietal trial
11.	Tin, Daw Aye Thn	Burma	CI-L	G4	Groundnut varietal trial
				G5	Groundnut plant densities by varietal trial
12.	Aung, U Thein	Burma	CP	G29	Groundnut plant densities by varietal trial
				G30	Groundnut varietal trial
13.	Yin, U Kauk	Burma	CP	G27	Groundnut varietal by plant densities trial
				G28	Groundnut varietal by fertilizer trial
14.	Frederic, Hakizimana	Burundi	CI-C	S8	Sorghum varietal trial
				S9	Sorghum varietal by nitrogen response trial
15.	Tatoloum, Ndoubakoi	Chad	CP	S28	Sorghum varietal trial
				PM15	Pearl millet fertilizer by varietal trial
16.	Ligou, Yang	China	CI-C	S10	Sorghum mold resistance trial
				S11	Sorghum plant densities by varietal trial

S.No.	Name	Country	Group	Table No	Details of expt/trials
17.	Yu, Shan-Lin	China	CI-L	G8	Groundnut genotypes varietal trial
				G9	Groundnut plant densities by varietal trial
18.	Zhuangta, Zhang	China	PS	PP4	Pigeonpea date of planting by varietal trial
				PP5	Pigeonpea plant densities by varietal trial
19.	Gao, Jin-Wen	China	PS	S45	Sorghum fertilizer trial on Vertisol
				S46	Sorghum fertilizer trial on Alfisol
20.	Ramon, Celado Montero	Dominican Rep	CI-C	S12	Sorghum varietal trial
				S13	Sorghum varietal by nitrogen response trial
21.	Oda, Eshetu Lemma	Ethiopia	CI-L	G10	Groundnut varietal trial
				G11	Groundnut disease resistance trial
22.	Liben, Minale	Ethiopia	CP	S31	Sorghum varietal trial
				S32	Sorghum plant densities by varietal trial
23.	Tarekegne Kiflu	Ethiopia	CP	S29	Sorghum varietal trial
				S30	Sorghum plant densities by varietal trial
24.	Akantu, Lawrence Abi	Ghana	CI-C	S14	Sorghum varietal trial
				PM3	Pearl millet varietal by nitrogen response trial

S.No.	Name	Country	Group	Table No	Details of expt/trials
25.	Nakplh, Ambrose B.A	Ghana	CP	S33	Sorghum varietal trial
				M1	Maize fertilizer by varietal trial
26.	Vasquez, Jorge S Fuen	Guatemala	CI-C	S15	Sorghum varietal trial
				S16	Sorghum varietal by nitrogen respons trial
27.	Diallo, Mamadou Fadja	Guinea	CP	G32	Groundnut varietal trial
				G33	Groundnut date of planting by varietal trial
28.	Keita, Djiba	Guinea	CP	G36	Groundnut varietal trial
				G37	Groundnut plant densities by varietal trial
29.	Diane, Mohamed Lamine	Guinea	CP	S34	Sorghum varietal trial
				G31	Groundnut plant densities by varietal trial
30.	Bah, Mamadou Cellou	Guinea	CP	G34	Groundnut varietal trial
				G35	Groundnut date of planting by varietal trial
31.	Sumarsono, Lasimin	Indonesia	CI-L	G12	Groundnut varietal trial
				G13	Groundnut disease resistance trial
32.	Poerbooyo, Ismail B	Indonesia	CI-L	G52	Groundnut varietal trial
				G53	Groundnut plant densities by varietal trial

S.No.	Name	Country	Group	Table No	Details of expt/trials
33.	Singgih, Sumarny	Indonesia	FS	IC15	Intercropping trial with pigeonpea & soybean
				IC16	Intercropping trial with & soybean by response to nitrogen & phosphorus
34.	Tembenu, Hallow J.N	Malawi	CI-L	GG14	Groundnut varietal trial
				G15	Groundnut plant densities by varietal trial
35.	Gondwe, Lorent K	Malawi	CP	G38	Groundnut fertilizer trial
				G39	Groundnut fertilizer by varietal trial
36.	Diarra, Balla	Mali	CI-C	S17	Sorghum varietal trial
				PM4	Pearl millet varietal trial
37.	Togo, Bourema	Mali	FS	PM22	Pearl millet varietal by plant densities trial
38.	Traore, Moussa Nabilaye	Mali	FS	IC3	Intercropping trial with sorghum & cowpea
				IC4	Intercropping trial with Pearl millet & groundnut
39.	M'baye, Diallo Mamadou	Mauritania	CP	PM16	Pearl millet varietal trial
				S35	Sorghum varietal by nitrogen response trial

S.No.	Name	Country	Group	Table	Details of expt/trials
40.	Marquez, Enrique V	Mexico	CP	PM17	Pearl millet varietal trial
				G40	Groundnut varietal by nitrogen response trial
41.	Javier, N-P Raymundo	Mexico	FS	IC5	Intercropping trial with maize & soybean
42.	Enosse, Ricardo	Mozambique	CI-L	G16	Groundnut varietal trial
				G17	Groundnut disease resistance trial
43.	Manzo, Mahamane M	Niger	FS	IC6	Water balance study with intercropping of pearl millet & groundnut
44.	Mallam, Ibrahim	Niger	FS	S47	Sorghum varietal by nitrogen response trial
				IC7	Water balance study with intercropping of pearl millet & cowpea
45.	Mumuni, Jinadu	Nigeria	CI-C	PM7	Pearl millet varietal trial
				PM8	Pearl millet plant densities by varietal trial
46.	Sackitey, Charles Kwame	Nigeria	CI-C	PM6	Pearl millet plant densities by varietal trial
				PM5	Pearl millet varietal trial
47.	Almojuela, Jose Sanchez Y	Philippine	CP	S36	Sorghum varietal trial
				G41	Groundnut fertilizer trial

S.No.	Name	Country	Group	Table No	Details of expt/trials
48.	Mendoza, Piedad A	Philippines	FS	G44	Groundnut fertilizer by rhizobium inoculation trial
				IC8	Intercropping trial with maize & soyabean
49.	David, Chishahayo	Rwanda	CI-C	S18	Sorghum mold resistance varietal trial
				S19	Sorghum varietal by nitrogen response trial
50.	Diop, Abdoulaye Dia	Senegal	CI-C	PM11	Pearl millet varietal trial
				PM12	Pearl millet plant densities by varietal trial
51.	Beye, Aliouene	Senegal	CI-C	PM9	Pearl millet varietal trial
				PM10	Pearl millet varietal by nitrogen response trial
52.	Diop, Abou Abdoulaye Yero	Senegal	CI-L	PP2	Early maturing pigeonpea varietal trial
				PP1	Pigeonpea trial for insect resistance
53.	Kebe, Cheikh	Senegal	FS	S48	Sorghum plant densities by varietal trial
				PM23	Pearl millet varietal by nitrogen response trial
54.	Fall, Amadou Mustapha	Senegal	FS	IC9	Intercropping trial with sorghum & cowpea
				IC10	Intercropping trial with Pearl millet & groundnut (microclimate study)

S.No.	Name	Country	Group	Table No	Details of expt/trials
55.	Jimale, Ahmed Mohamed	Somalia	CI-C	S20	Sorghum varietal by nitrogen response trial
				S21	Sorghum plant densities by varietal trial
56.	Mohamed, Yahya N Haji	Somalia	CP	S51	Sorghum varietal trial
				G45	Groundnut varietal trial
57.	Ahmed, Haji Shekh	Somalia	CP	S37	Sorghum varietal by nitrogen response trial
				G42	Groundnut varietal trial
58.	Jayatunga, S.W	Sri Lanka	FS	G47	Groundnut varietal by phosphorus response trial
				IC12	Intercropping trial with maize & soybean
59.	Keerthisinghe, M.B	Sri Lanka	FS	G46	Groundnut varietal by phosphorus response trial
				IC11	Intercropping trial with maize & cowpea
60.	Mogga, Rachel Kenyi	Sudan	CI-L	G18	Groundnut varietal trial
				PP3	Early maturing pigeon-pea varietal trial
61.	Hassan, Abdalla Yousif	Sudan	CI-L	G19	Groundnut varietal trial
				G20	Groundnut plant densities by varietal trial
62.	Lomodo, Mogga James	Sudan	CP	M2	Maize varietal by nitrogen response trial
				S39	Sorghum varietal trial
				S40	Variability/competition trial

S.No.	Name	Country	Group	Table No	Details of expt/trials
63.	Ibrahim, Omer Hasab E	Sudan	CP	S38	Sorghum plant densities by varietal trial
				G43	Groundnut fertilizer trial
64.	Hamed, Abdelmannam	Sudan	FS	S50	Sorghum plant densities by varietal trial
				IC14	Intercropping trial with Pearl millet & groundnut
65.	Hiza, Solomon Paul	Tanzania	CI-C	S22	Sorghum varietal trial
				S23	Sorghum varietal by nitrogen response trial
66.	Teaha, Protas P	Tanzania	CI-C	S24	Sorghum varietal trial
				PM13	Pearl millet varietal trial
67.	Mpiri, Mark G.	Tanzania	CI-L	G23	Early maturing groundnut varietal trial
				G24	Medium maturing groundnut varietal trial
68.	Kapinga, Romwaldo	Tanzania	CI-L	G22	Groundnut varietal trial
				G21	Groundnut plant densities by varietal trial
69.	Leonidas, Caroline R.M	Tanzania	CP	S42	Sorghum varietal trial
				S43	Sorghum varietal trial
				PM19	Pearl millet varietal trial
70.	Konga, Edith C.S	Tanzania	CP	PM18	Pearl millet varietal by date of planting trial
				S41	Sorghum varietal trial

S.No.	Name	Country	Group	Table No	Details of expt/trials
71.	Sukviboon, Sakda	Thailand	FS	G49	Groundnut plant densities by date of planting trial
72.	Lavanamal, Pongsak	Thailand	FS	S49	Sorghum varietal by nitrogen response trial
73.	Niratiam, Srichai	Thailand	FS	G48	Groundnut varietal by phosphorus response trial
74.	Satan, Padet	Thailand	FS	IC13	Intercropping trial with sorghum & mungbean
75.	Wikumpapraharn, Chawe	Thailand	FS	G50	Groundnut fertilizer trial
76.	Poonporn, Lertchai	Thailand	FS	G51	Groundnut varietal by date of planting trial
77.	Zudhe, Erobat Charles	Uganda	FS	IC18	Intercropping trial with maize & cowpea
				IC19	Intercropping trial with Pearl millet & groundnut
78.	Atodi-Emurut, J.S	Uganda	FS	IC17	Intercropping trial with sorghum & cowpea
				G54	Weed control trial in groundnut
79.	Al-Shurai, Ali Abdulla	Yemen No	CI-C	S25	Sorghum varietal by nitrogen response trial
				S27	Sorghum population cycles trial
80.	Chungu, Chibwe	Zambia	CI-C	S26	Sorghum plant densities by varietal trial
				PM14	Pearl millet varietal trial

S.No.	Name	Country	Group	Table No	Details of expt/trials
81.	Muyunda, Akabondo A	Zambia	CI-L	G25	Groundnut varietal trial
				G26	Groundnut disease resistance trial

Table D1: Results of trainees demonstration plots, 1985

Land and Water Management group
(Table IC20)

Javier, N-P	Raymundo	Mexico	FS	Land configuration	Slope: 0.4% and 1.0%
Wilumpapraharn, Chawe		Thailand	FS	and run-off studies on	Land configuration: Flat and
Niratiam Srichai		Thailand	FS	Alfisol	Broad bed and furrow
Poonporn Lertchai		Thailand	FS		Intercropping of sorghum (CSH 9) &
Sukviboon Sakda		Thailand	FS		groundnut (Robut 33-1) at 2:2 ratio.
Lavanmal Pongak		Thailand	FS		
Satan Padet		Thailand	FS		

- S = Sorghum
 PM = Pearl millet
 M = Maize
 CI-C = Crop Improvement (Cereals)
 CI-L = Crop Improvement (Legumes)
 CP = Crop Production
 FS = Farming Systems
- G = Groundnut
 PP = Pigeonpea
 D = Demonstration

SORGHUM

Table : S1 File : 999 Name : Mallon, Glele B.
 Crop : Sorghum Country: Benin
 Title : Sorghum growth and development studies
 Summary of Selected Characters (Number: 9)

Treat- ments	Number of leaves	Flag 3rd leaf Leaf Area (sq.cm)	3rd leaf Area (sq.cm)	Plant Height (cm)	Panicle Length (cm)	Panicle Diameter (cm)	Heads Harvested (000/ha)	Grain Yield (kg/ha)	1000 Seed Weight (g)
A918(V)	12	231	447	141	26	5	57	383	14
A922(V)	12	219	452	155	30	6	40	153	11
A925(V)	14	275	551	152	24	6	43	222	15
SPH 221(H)	12	219	438	169	29	7	77	1965	16
SPH 263(H)	12	215	477	137	29	6	64	1831	17
SPH 264(H)	11	229	469	156	27	6	86	2115	21
SEM (+)	0.34	15.26	25.97	3.66	0.88	0.38	7.64	202.04	0.92
C.V. (X)	6	13	11	5	6	13	25	36	12

Table : S2 File : 999 Name : Glele B. Mallon
 Crop : Sorghum Country: Benin
 Title : Sorghum fertilizer by varietal trial
 Summary of Selected Means and Data (Number: 5)

Treat- ments	Stem Length (cm)	Heads Harvested (000/ha)	Panicle Length (cm)	Dry Matter (kg/ha)	Grain Yield (kg/ha)
Factor					
CSH 9	102	87	26	10	2238
TDS 05	90	108	21	10	1931
SEM (+)	2.91	5.24	0.43	0.72	234.72
Factor					
0-17-0	91	97	23	9	1652
30-17-0	99	90	24	9	2353
60-17-0	98	106	24	13	2249
SEM (+)	3.57	6.41	0.52	0.88	287.47
Interaction					
SEM AxB (+)	5.04	9.07	0.74	1.24	406.54
C.V. (Z)	10	19	6	24	39

Table : S3 File : 1000 Name : Moumouni, Adjaro
 Crop : Sorghum Country: Benin
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 9)

Treat- ments	50% Flower (days)	Plant Height (cm)	Panicle Length (cm)	Emergence (X)	Earheads Harvested (000/ha)	1000 Seed Weight (g)	Grain Yield (kg/ha)	Seedling Vigor (X)	Emergence Score (X)
A922	75	147	30	1	15	14	396	7	6
A925	75	145	22	6	19	21	698	6	7
A927	72	163	25	9	17	23	1212	7	5
SPH 225	73	168	30	8	27	22	2434	4	3
SPH 264	67	163	31	11	33	23	2958	4	3
SPH 349	72	134	31	5	23	21	1638	6	5
SEM (+)	0.61	5.33	0.98	1.31	2.26	1.30	454.42	0.34	0.38
C.V. (%)	2	7	7	39	20	13	58	12	16

Table : S4 File : 1026 Name: Mogorosi, Michael
 Crop : Sorghum Country: Botswana
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 7)

Treat- ments	50% Flower (days)	Plant Height (cm)	Panicle Length (cm)	1000 Grain Weight (g)	Grain Yield Weight (kg/ha)	Heads Harvested (000/ha)	Leaf Area (sq.cm)
A927	70	155	23	2	1563	70	316
A918	75	136	24	2	910	68	357
A921	83	150	22	2	518	76	302
SPH 225	70	170	24	2	1835	109	435
SPH 221	71	166	27	2	1665	101	506
CSH9	70	155	25	2	1415	92	459
SEM (+)	0.68	2.24	0.94	0.07	183.24	13.38	39.06
C.V. (%)	2	3	8	8	28	31	20

Table : 85 . File : 994 Name: Traore Youssouf
 Crop : Sorghum Country: Burkina Faso
 Title : Sorghum mold resistance trial
 Summary of Selected Characters (Number: 2)

Treat- Shootfly Stemborer
 ments

(15 days)(25 days)

IS 6335	23	20
IS 620	19	22
IS 2453	21	24
IS 9494	14	16
IS 402	40	45
IRS 01	36	35
SEM (←)	3.07	3.72
C.V. (X)	24	28

Table : 96 File : 994 Name: Traore Youssouf
 Crop : Sorghum Country: Burkina Faso
 Title : Sorghum shootfly resistance trial
 Summary of Selected Characters (Number: 2)

Treat- Shootfly Stemborer
 ments

(15 days)(25 days)

PS 14454	1	3
PS18601-22	1	1
PS 18969	1	3
PS 20092	2	3
PS 21318	1	2
CSH1	8	8
SEM (←)	0.94	1.19
C.V. (X)	79	75

Table : S7 File : 993 Name: Benjamin, Kylen
 Crop : Sorghum Country: Burkina Faso
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 6)

Treat- ments	50% Flower (days)	Plant Height (cm)	Heads at Harvest (000/ha)	1000 Grain Weight (g)	Grain Yield (kg/ha)	Panicle Length (cm)
A922	78	137	41	13	137	30
A921	75	132	49	17	480	27
A918	80	139	69	17	417	22
SPH 221	68	152	70	18	1723	29
SPH 225	65	164	81	20	2093	27
CSH9	69	147	66	21	1247	26
SEM (←)	0.92	3.19	6.42	0.93	244.69	0.90
C.V. (%)	2	4	18	9	42	6

Table : S8 File : 974 Name: Hakizimana Frederic
 Crop : Sorghum Country: Burundi
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 7)

Treat- ments	50% Flower (days)	Plant Height (cm)	Heads at Harvest (000/ha)	Grain Yield (kg/ha)	1000 Grain Weight (g)	Head Length (cm)	Leaf Area (sq.cm)
SPH 221	68	131	119	1880	2	21	402
SPH 225	68	135	96	2025	2	21	500
SPH 263	68	134	107	2950	2	23	494
SPH 264	67	135	119	1955	2	20	439
SPH 349	68	147	103	2450	2	25	508
CSH9	68	139	101	1613	2	20	441
SEM (←)	0.35	7.57	12.92	227.33	0.07	1.13	35.66
C.V. (%)	1	11	24	21	7	10	15

Table : 89 File : 974 Name : Makisimwa Fredric
 Crop : Sorghum Country: Burundi
 Title : Sorghum fertilizer trial
 Summary of Selected Means and Data (Number: 5)

Treatments	Plant Height (cm)	Head Length (cm)	Ergot Attack (%)	Shootfly Attack (%)	Leaf Area (sq. cm)
Factor					
A921	129	17	71	83	428
A918	118	20	67	77	462
SEM (+)	2.89	0.42	4.79	1.44	17.44
Factor					
30-17-0	127	19	75	83	449
60-17-0	118	18	59	77	425
90-17-0	125	20	74	81	461
SEM (+)	3.53	0.51	5.87	1.77	21.36
Interaction					
SEM AxB (+)	5.00	0.72	8.30	2.50	30.21
C.V. (%)	8	8	24	6	14

Table : S10 File : 1036 Name : Yang Ligou
 Crop : Sorghum Country: China
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 4)

Treatments	50% Flower (days)	Plant Height (cm)	Heads Harvested (000/ha)	1000 Grain weight (g)	Grain Yield (kg/ha)	Head Length (cm)	Panicle Diameter (cm)	Leaf Area (sq. cm)	Number of Leaves
IS 620	59	159	85	1	1180	19	5	244	38
IS 2453	65	178	70	2	1053	26	6	295	13
IS 6335	61	188	84	2	1647	25	9	280	12
IS 8525	61	155	66	2	1120	24	8	266	13
IS 9494	64	168	70	2	1068	23	6	287	14
IS 402	60	125	80	2	1116	28	8	336	13
SEM (←)	0.76	2.70	5.14	0.07	107.15	0.58	0.28	7.77	10.18
C.V. (%)	2	3	14	8	18	5	8	5	120

Table : S11 File : 1036 Name : Ligou, Yang
 Crop : Sorghum Country: China
 Title : Sorghum plant densities by varietal trial
 Summary of Selected Means and Data (Number: 9)

Treat- ments	Flowering 50% (days)	Plant Height (cm)	Panicle Length (cm)	Panicles Diameter (cm)	Panicles Harvested (000/ha)	1000 Grain Weight (g)	Grain Yield of leaves (kg/ha)	Number	Largest Leaf Area (sq.cm)
Factor									
MA9xMR819	70	159	30	7	122	2	3698	16	529
CSH9	70	158	26	6	125	2	3288	16	520
SEM (+)	0.52	0.79	0.30	0.08	0.73	0.04	147.45	0.23	2.70
Factor									
100,000/ha	70	159	29	7	101	2	2921	16	530
125,000/ha	70	159	28	7	124	2	3650	16	526
150,000/ha	70	159	28	7	146	2	3908	16	517
SEM (+)	0.64	0.97	0.36	0.09	0.89	0.04	180.59	0.28	3.31
Interaction									
SEM AxB (+)	0.90	1.37	0.51	0.13	1.26	0.06	255.39	0.39	4.68
C.V. (%)	3	2	4	4	2	6	15	5	2

Table : S12 File : 972 Name : Ramon, Celado Montero
 Crop : Sorghum Country: Dominican Republic
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 3)

Treat- ments	Panicle Length (cm)	Head Exertion (cm)	Plant Height (cm)
A918	24	13	108
A925	25	15	113
A927	21	13	110
SPH 225	25	13	134
SPH 264	25	15	127
MA9xMR819	25	10	129
SEM (+)	0.94	0.65	5.26
C.V. (%)	8	10	9

Table : S15 File : 989 Name : Vasquez, Jorge S Fuentes
 Crop : Sorghum Country: Guatemala
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 4)

Treat- ments	Head Length (cm)	Shootfly Incidence (%)	Stemborer Incidence (%)	Earheads Harvested (000/ha)
CSH6	18	4	2	46
CSH9	21	5	3	48
SPV 351	21	7	4	34
SPV 386	23	6	4	43
SPH 221	24	2	1	78
SPH 225	19	6	2	53
SEM (+)	1.50	0.84	0.47	7.06
C.V. (%)	14	36	38	28

Table : S16 File : 989 Name : Vasquez, Jorge S Fuentes
 Crop : Sorghum Country: Guatemala
 Title : Fertilizer by varietal trial
 Summary of Selected Means and Data (Number: 6)

Treat- ments	Flowering 50% (days)	Plant Height (cm)	Panicle Length (cm)	Panicles Harvested (000/ha)	Grain Yield (kg/ha)	1000 Grain (g)
Factor						
SPH 225	60	190	28	114	3905	20
CSH 9	60	167	27	122	3495	19
SEM (+)	0.65	2.30	0.58	6.75	200.69	0.26
Factor						
40 kg N	61	179	28	118	3543	19
60 kg N	59	187	27	131	4038	19
80 kg N	61	176	29	123	3725	20
100 kg N	61	176	26	106	3493	19
SEM (+)	0.92	3.25	0.81	9.55	283.82	0.37
Interaction						
SEM AxB (+)	1.30	4.59	1.15	13.50	401.39	0.52
C.V. (%)	4	4	7	19	19	5

Table : S17 File : 985 Name: Balla Diarra
 Crop : Sorghum Country: Mali
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 8)

Treat- ments	50% Flower (days)	Plant Height (cm)	Heads at Harvest (000/ha)	1000 Grain Weight (g)	Grain Yield (kg/ha)	Panicle Diameter (cm)	Panicle Length (cm)	Leaf Area (sq.cm)
SPH 221	72	151	40	2	1935	8	33	456
SPH 225	72	150	28	2	1235	7	31	464
SPH 263	73	124	34	2	2015	7	30	457
SPH 264	72	139	32	2	2306	8	30	476
SPH 385	72	131	36	2	2092	7	34	480
CSH9	76	140	31	2	1244	7	30	483
SEM (±)	1.65	3.61	3.51	0.10	222.81	0.47	0.82	31.44
C.V. (%)	5	5	21	11	25	13	5	13

Table : S18 File : 091 Name: Cishahavo David
 Crop : Sorghum Country: Rwanda
 Title : Sorghum mold resistance variety trial
 Summary of Selected Characters (Number: 9)

Treat- ments	50% Flower (days)	Plant Height (cm)	Heads at Harvest (000/ha)	1000 Grain Weight (g)	Grain Yield (kg/ha)	Shoot fly Incidence (%)	Panicle Length (cm)	Leaf Area (sq.cm)	Grain Mold Score (*)
TRS01	70	193	69	2	1516	30	31	382	6
TRS05	67	146	110	2	2254	17	23	398	5
IS 620	57	175	111	2	1822	30	24	239	2
IS 2454	63	186	89	2	2466	36	27	317	2
IS 402	57	135	78	2	2081	40	27	269	5
CSH9	67	159	112	2	3148	19	29	445	3
SEM (±)	0.62	3.15	9.03	0.07	292.68	2.06	0.67	17.33	0.57
C.V. (%)	2	4	19	7	26	15	5	10	36

Table : S19 File : 991 Name : Giabahyo David
 Crop : Sorghum Country: Rwanda
 Title : Sorghum fertilizer by varietal trial
 Summary of Selected Means and Data (Number: 9)

Treatments	Flowering 50% (days)	Plant Height (cm)	Leaf Area (sq.cm)	Panicles Harvested (000/ha)	Grain Yield (kg/ha)	1000 Seed Weight (g)	Plant Diameter (cm)	Head Length (cm)	Head Breadth (cm)
Factor									
CSR9	67	158	424	106	2678	2	2	26	7
SPH 221	65	172	447	111	3015	2	2	27	7
SEM (+)	0.32	1.34	6.60	3.98	175.86	0.03	0.04	0.24	0.11
Factor									
30-17-0	65	162	414	104	2320	2	2	26	7
60-17-0	66	166	445	112	3019	2	2	27	7
90-17-0	66	166	448	109	3200	2	2	28	7
SEM (+)	0.40	1.64	8.08	4.88	215.39	0.03	0.04	0.29	0.14
Interaction									
SEM AxB (+)	0.56	2.32	11.43	6.90	304.60	0.05	0.06	0.41	0.19
C.V. (%)	2	3	5	13	21	5	7	3	5

Table : S20 File : 1009 Name : Ahmed Mohamed Jimale
 Crop : Sorghum Country: Somalia
 Title : Sorghum fertilizer by varietal trial
 Summary of Selected Means and Data (Number: 7)

Treatments	50% Flower (days)	Panicle Length (cm)	Plant Height (cm)	Grain Yield (kg/ha)	1000 Grain Weight (g)	Heads Harvest (000/ha)	Leaf Area (sq.cm)
Factor							
60-17-0	0	76	23	128	800	2	397
90-17-0	0	75	23	126	650	2	368
SEM (+)	ERR	0.73	0.74	2.25	101.23	0.07	14.35
Factor							
SPH 351	0	75	23	134	669	2	359
SPH 475	0	77	22	125	895	2	389
A918	0	76	24	122	610	2	399
SEM (+)	ERR	0.89	0.91	2.75	123.98	0.08	17.57
Interaction							
SEM AxB (+)	ERR	1.26	1.29	3.89	175.34	0.12	24.85
C.V. (%)	ERR	3	11	6	48	14	13

Table : S21 File : 1009 Name : Jimale, Ahmed Mohamed
 Crop : Sorghum Country: Somalia
 Title : Sorghum population by varietal trial
 Summary of Selected Means and Data (Number: 7)

Treat- ments	50% Flower	Panicle Length	Plant Height	Grain Yield	1000 Grain Weight	Heads Harvest	Leaf Area
	(days)	(cm)	(cm)	(kg/ha)	(g)	(000/ha)	(sq.cm)
Factor							
150,000/ha	0	71	25	141	1348	2	53
200,00/ha	0	70	24	141	1364	2	56
SEM (+)	ERR	0.52	0.46	1.93	132.42	0.07	4.14
Factor							
SPH 225	0	70	25	152	1198	2	56
SPH 263	0	71	25	130	1244	2	45
CSH9	0	70	24	141	1625	2	62
SEM (+)	ERR	0.64	0.56	2.36	162.18	0.09	5.07
Interaction							
SEM AxB (+)	ERR	0.90	0.79	3.34	229.36	0.12	7.17
C.V. (X)	ERR	3	7	5	34	12	26

Table : S22 File : 1019 Name: Riza, Solomon Paul
 Crop : Sorghum Country: Tanzania
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 7)

Treat- ments	50% Flower	Plant Height	Heads at Harvest	1000 Grain Weight	Grain Yield Weight	Panicle Length	Leaf Area
	(days)	(cm)	(000/ha)	(g)	(kg/ha)	(cm)	(sq.cm)
SPH 221	54	168	87	2	3109	0	31
SPH 225	56	180	75	2	2885	0	30
SPH 263	56	143	73	2	2530	0	29
SPH 264	51	168	96	2	3129	0	30
SPH 349	55	143	81	2	2597	0	34
CSH9	57	145	82	2	2420	0	27
SEM (+)	0.66	3.61	5.84	0.06	282.33	ERR	1.00
C.V. (X)	2	5	14	6	20	ERR	7

Table : S23 File : 1019 Name : Hm, H.P. :
 Crop : Sorghum :
 Country : Tanzania :
 Title : Sorghum fertilizer by varietal trial
 Summary of Selected Means and Data (Number: 7)

Treat- ments	50Z	P. amt	Harvest at	Grain Yield	1000 Grain Weight (g)	Head Length (cm)	Leaf Area (sq.cm)
Factor 30-17-0	63	148	68	1401	2	24	499
60-17-0	62	148	57	1388	2	24	501
SEM (+)	0.34	2.81	3.92	100.50	0.07	0.45	16.81
Factor A918	61	138	69	1613	2	23	509
A922	63	153	65	1137	2	27	538
A921	63	154	53	1434	2	21	454
SEM (+)	0.41	3.44	4.80	123.08	0.08	0.55	20.59
Interaction SEM Add (+)	0.58	4.86	6.78	174.06	0.12	0.77	29.12
C.V. (%)	2	7	22	25	14	7	12

Table : S24 File : 1020 Name : Tesha, P.P.H. :
 Crop : Sorghum :
 Country : Tanzania :
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 7)

Treat- ments	50Z	P. amt	Harvest at	Grain Yield	1000 Grain Weight (g)	Head Length (cm)	Leaf Area (sq.cm)
SPH 225	58	181	72	2766	24	30	540
MA9-8819	59	159	58	1878	23	28	476
SPH 221	57	164	81	2616	19	29	487
SPH 264	54	161	84	3250	24	27	474
SPH 349	57	141	77	2663	21	32	466
CSH9	57	161	84	3000	21	26	477
SEM (+)	1.13	4.35	6.95	372	0.87	0.94	38.70
C.V. (%)	4	5	18	28	8	7	16

Table : S25 File : 1029 Name : Al-Sharai, Ali Abdal
 Crop : Sorghum Country: North Yemen
 Title : Sorghum fertilizer by varietal trial
 Summary of Selected Means and Data (Number: 5)

Treat-ments		Plant Height (cm)	Panicle Length (cm)		Grain Yield (kg/ha)	1000 Grain Weight (g)	Leaf Area (sq.cm)
Factor							
30-17-0	0	131	24	0	1654	19	355
60-17-0	0	129	24	0	1683	19	377
SEM (+_)	ERR	3.16	0.63	0.00	186.88	0.48	14.58
Factor							
SPV 351	0	141	26	0	1940	18	348
A927	0	130	22	0	1660	21	342
A918	0	119	24	0	1406	17	408
SEM (+_)	ERR	3.87	0.77	0.00	228.88	0.59	17.85
Interaction							
SEM AxB (+_)	ERR	5.48	1.09	0.00	323.69	0.83	25.25
C.V. (%)	ERR	8	9	ERR	39	9	14

Table : S26 File : 1008 Name : Ms. Chungu, Chibwe
 Crop : Sorghum Country: Zambia
 Title : Sorghum plant densities by varietal trial
 Summary of Selected Means and Data (Number: 7)

Treat-ments	Flowering 50% (days)	Plant Height (cm)	Panicle Length (cm)	Panicles Harvested Weight (000/ha)	Grain Yield (kg/ha)	1000 Seed Weight (g)	Threshing Score (%)
Factor							
A922	77	135	28	52	755	2	53
A918	76	122	24	65	1432	2	75
SEM (+_)	0.67	3.06	0.71	4.92	131.38	0.07	4.10
Factor							
100,000/ha	77	132	26	57	1024	2	59
125,000/ha	77	128	27	52	1043	2	64
150,000/ha	76	126	25	67	1213	2	69
SEM (+_)	0.82	3.75	0.87	6.03	160.91	0.09	5.02
Interaction							
SEM AxB (+_)	1.16	5.30	1.23	8.53	227.56	0.13	7.10
C.V. (%)	3	8	10	29	42	12	22

Table : S27 File : 1029 Name: Ali-Gharai, Ali Abdal
 Crop : Sorghum Country: North Yemen
 Title : Sorghum population cycles trial
 Summary of Selected Characters (Number: 4)

Treat- ments	Plant Height (cm)	1000 Grain Weight (g)	Grain Yield (g/10 heads)	Panicle Length (cm)
US/R C0	144	24	210	25
US/R C1	135	23	250	26
US/R C2	136	24	340	27
US/R C3	156	23	300	26
US/R C4	136	21	290	24
US/R C5	134	21	250	23
SEM (+)	7.98	1.62	16.12	0.76
C.V. (%)	11	14	12	6

Table : S28 File : 995 Name: Tatoloun, Ndoubakoi
 Crop : Sorghum Country: Chad
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 4)

Treat- ments	Plant Height (cm)	Panicle Length (cm)	Grain Yield (kg/ha)	1000 Seed Weight (g)	
CSH6	0	158	26	2175	19
SPH 263	0	133	27	1813	18
SPH 349	0	138	31	2443	18
SPV 615	0	168	19	495	18
SPV351	0	164	29	2015	18
A921	0	159	22	655	16
SEM (+)	ERR	2.14	0.62	191.17	0.61
C.V. (%)	ERR	3	5	24	7

Table : 829 File : 1032 Name: Tarakagne, Kiflu
 Crop : Sorghum Country: Ethiopia
 Title : Sorghum Varietal trial
 Summary of Selected Characters (Number: 8)

Treat- ments	50% Flower (days)	Plant Height (cm)	Heads at Harvest (000/ha)	1000 Grain Weight (g)	Grain Yield (kg/ha)	Leaf Area (sq.cm)	Panicle Length of panicle (cm)	Days to Maturity
SPH 225	89	152	89	21	1499	373	24	106
SPH 349	89	130	112	20	2114	398	22	107
SPV 221	88	155	107	20	1886	404	24	105
SPV 386	93	179	60	18	705	315	21	111
SPV 475	96	131	77	15	535	347	22	111
SPV 615	104	157	61	16	207	365	18	113
SEM (+)	0.87	4.08	5.32	0.93	149.11	24.98	0.86	1.15
C.V. (%)	2	5	13	10	26	14	8	2

Table : S30 File : 1032 Name : Tarakagne, Kiflu
 Crop : Sorghum Country: Ethiopia
 Title : Sorghum plant densities by varietal trial
 Summary of Selected Means and Data (Number: 9)

Treat- ments	Flowering 50% (days)	Plant Height (cm)	Panicles Harvested (000/ha)	Thousand Seed (g)	Grain Yield Weight (kg/ha)	Shootfly Incidence Weight (%)	Leaf Area (sq.cm)	Days to Maturity	Panicle Length (cm)
Factor									
CSH9	73	141	58	21	1132	55	433	108	24
CSH6	63	141	73	21	1482	50	332	100	24
SEM (+)	0.65	1.79	5.79	0.47	130.58	3.46	10.69	0.25	0.28
Factor									
100,000/ha	68	138	55	21	1290	65	405	104	24
150,000/ha	67	142	65	22	1389	47	377	105	25
200,000/ha	68	141	76	21	1243	46	366	104	23
SEM (+)	0.80	2.19	7.09	0.58	159.92	4.23	13.09	0.31	0.35
Interaction									
SEM AxB (+)	1.13	3.10	10.03	0.82	226.17	5.99	18.51	0.44	0.49
C.V. (%)	3	4	31	8	35	23	10	1	4

Table : S31 File : 1030 Name: Liben, Mirale
 Crop : Sorghum Country: Ethiopia
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 6)

Treat- ments	50% Flowering (days)	Plant Height (cm)	Heads at Harvest (000/ha)	1000 Grain Weight (g)	Grain Yield Weight (kg/ha)	Panicle Length (cm)
SPH 221	83	139	61	17	545	24
A 918	77	136	54	16	720	24
SPH 263	70	131	83	18	1650	24
SPH 349	70	131	74	18	1623	27
SPV 615	84	158	43	16	298	25
SPH 264	69	146	82	22	1470	23
SEM (←)	1.83	2.23	7.92	1.08	204.79	0.70
C.V. (%)	5	3	24	12	39	6

Table : S32 File : 1030 Name : Liben, Mirale
 Crop : Sorghum Country: Ethiopia
 Title : Sorghum plant densities by varietal trial
 Summary of Selected Means and Data (Number: 6)

Treat- ments	Flowering 50% (days)	Plant Height (cm)	Panicle Length (cm)	Panicles Harvested (000/ha)	Grain Yield (kg/ha)	1000 Seed Weight (g)
Factor						
CSR6	73	153	25	74	1681	24
CSR9	77	150	25	70	1473	25
SEM (+)	2.02	1.43	0.50	5.48	188.27	0.51
Factor						
90,000/ha	75	152	26	45	1363	25
150,000/ha	78	152	24	76	1595	24
210,000/ha	73	151	24	94	1774	25
SEM (+)	2.47	1.75	0.61	6.72	230.59	0.62
Interaction						
SEM AxB (+)	3.50	2.48	0.86	9.50	326.10	0.88
C.V. (%)	9	3	7	27	41	7

Table : S33 File : 1031 Name : Makpih, Ambrose B.A.
 Crop : Sorghum Country: Ghana
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 7)

Treat- ments	50% Flower (days)	Plant Height (cm)	Grain Yield (kg/ha)	Earheads Harvested (000/ha)	1000 Grain Weight (g)	Panicle Wet Weight (kg/ha)	Panicle Dry Weight (kg/ha)
CSH9	58	154	1727	28	18	2383	2427
SPH 264	55	150	1858	27	21	2795	2434
SPH 263	62	127	1940	28	23	2711	2322
SPV 615	73	157	105	21	23	667	434
SPH 221	56	156	1566	26	19	2667	2167
A925	70	120	449	26	22	1000	778
SEM (+)	2.38	5.29	256.45	3.50	1.44	444.70	330.42
C.V. (%)	8	7	40	27	14	44	38

Table : S34 File : 1001 Name : Diane, Mohamed Lamine
 Crop : Sorghum Country: Guinea
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 5)

Treat- ments	Plant Height (cm)	Panicle Length (cm)	Panicles Harvested (000/ha)	Grain Yield (kg/ha)	1000 Grain Weight (g)
CSH9	145	20	42	1255	20
SPH 349	135	25	51	2105	19
A 927	144	18	35	1370	21
SPH 386	178	19	37	903	18
SPH 225	161	22	41	1506	20
SPH 264	157	22	178	2088	22
SEM (+)	4.77	1.29	51.90	266.88	0.66
C.V. (%)	6	12	163	35	7

Table : S35 File : 987 Name : N'baye, Diallo Mamadou
 Crop : Sorghum Country: Mauritania
 Title : Sorghum fertiliser by varietal trial
 Summary of Selected Means and Data (Number: 9)

Treat- ments	Flowering 50% (days)	Plant Height (cm)	1000 Panicles Grain Harvested Weight (g) (000/ha)	Grain Yield (kg/ha)	Panicle Length (cm)	Panicle Width (cm)	Plant Stand (000/ha)	Leaf Area (sq.cm)	
Factor									
60 N	67	167	19	86	2733	.26	6	90	496
90 N	67	171	19	86	2873	.27	6	91	487
SEM (+)	0.33	1.45	0.48	4.45	113.03	0.71	0.19	2.73	14.75
Factor									
CSH9	67	160	20	80	2800	.26	6	85	530
SPV 35	68	165	18	86	2598	.27	6	94	434
SPH 225	66	183	20	92	3011	.27	6	93	510
SEM (+)	0.40	1.78	0.58	5.46	138.44	0.87	0.23	3.34	18.06
Interaction									
SEM AxB (+)	0.57	2.51	0.83	7.72	195.78	1.22	0.33	4.72	25.54
C.V. (%)	2	3	9	18	14	9	12	10	10

Table : S36 File : 1015 Name: Almojuela, Jose Sanchez Y
 Crop : Sorghum Country: Philippines
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 8)

Treat- ments	Leaf Area (sq.cm)	Plant Height (cm)	Panicle Length (cm)	Panicle Diameter (cm)	Fresh Weight of heads (kg/plot)	Final Weight of heads (kg/plot)	Grain Yield (kg/ha)	1000 Seed Weight (g)
CSH6	359	160	23	4	2	2	2500	20
CSH9	393	158	25	5	2	2	2667	21
SPV 351	328	168	27	4	2	1	2556	21
SPH 221	440	178	30	5	2	2	2833	23
SPV 475	386	156	24	4	1	1	1206	13
MA-9 MR819	348	161	26	4	2	2	2917	22
SEM (±)	22.80	4.07	0.91	0.25	0.11	0.10	210.91	2.03
C.V. (%)	12	5	7	12	12	13	17	20

Table : S37 File : 1023 Name : Ahmed, Haji Shakh
 Crop : Sorghum Country: Somalia
 Title : Sorghum fertilizer by varietal trial
 Summary of Selected Means and Data (Number: 8)

Treatments	Flowering 50% (days)	Plant Height (cm)	Panicle Length (cm)	Panicles Harvested (000/ha)	Grain Yield (kg/ha)	1000 Seed Weight (g)	Dry Weight (kg/ha)	Leaf Area (sq.cm)
Factor								
60 N	62	160	22	71	1994	18	3152	355
120 N	64	161	23	72	2494	18	3569	348
SEM (+)	0.70	2.74	0.51	4.46	144.32	0.36	178.71	12.88
Factor								
CSH6	62	159	23	73	2190	18	3219	330
CSH9	63	158	23	66	1874	19	3128	366
SPH 221	64	163	22	75	2669	18	3733	360
SEM (+)	0.86	3.36	0.63	5.47	176.75	0.44	218.87	15.78
Interaction								
SEM AxB (+)	1.22	4.75	0.89	7.73	249.96	0.62	309.54	22.32
C.V. (%)	4	6	8	22	22	7	18	13

Table : S38 File : 1033 Name : Ibrahim, Omer H.E.Rasoul
 Crop : Sorghum Country: Sudan
 Title : Sorghum plant density by varietal trial
 Summary of Selected Means and Data (Number: 9)

Treatments	Threshing (%)	Plant Height (cm)	Head Length (cm)	Head Width (cm)	Grain Yield (kg/ha)	1000 Seed Weight (g)	Dry Weight of heads (kg/ha)	Fresh Weight of heads (kg/ha)	Heads Harvested (000/ha)
Factor									
CSH9	70	154	20	5	2608	17	3717	4475	135
A927	73	161	20	5	2950	21	4017	4975	143
SEM (+)	1.54	2.42	0.36	0.12	134.71	0.49	193.79	242.25	1.99
Factor									
100,000/ha	71	158	21	5	2550	20	3600	4325	93
150,000/ha	71	160	20	5	2875	19	4038	5000	139
200,000/ha	73	156	18	4	2913	19	3963	4850	186
SEM (+)	1.88	2.96	0.44	0.15	164.98	0.60	237.35	296.69	2.44
Interaction									
SEM AxB (+)	2.66	4.19	0.62	0.22	233.32	0.85	335.66	419.59	3.45
C.V. (%)	7	5	6	9	17	9	17	18	5

Table : 839 File : 998 Name : Lomodo, Mogga James
 Crop : Sorghum Country: Sudan
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 8)

Treat- ments	50% Shootfly Flower Incidence (days)	Plant Height at boot (cm)	Plant Height at harvest (cm)	Plants at Harvest (000/ha)	Heads at Harvested (000/ha)	1000 Seed Weight of grains (g)	Dry Weight (kg/ha)	
CSH6	60	16	90	150	106	82	2083	
CSH9	70	16	120	155	104	97	2077	
SPV 351	72	23	125	151	89	70	1364	
SPV 386	74	22	165	194	80	69	880	
SPH 221	66	15	133	161	104	100	2111	
SPH 225	71	21	130	165	98	92	1767	
SEM (+)	1.49	4.09	2.90	2.67	8.11	8.13	0.66	252.91
C.V. (%)	4	44	5	3	17	19	7	30

Table : 940 File : 998 Name : Lomodo, Mogga James
 Crop : Sorghum Country: Sudan
 Title : Sorghum variability/competition trial.
 Summary of Selected Means and Data (Number: 9)

Treat- ments	Flowering 50% (days)	Plant Height @40 Days (cm)	Plant Height @55 days (cm)	Plant Height at harvest (cm)	Dry Weight of Grains (kg/ha)	Largest Leaf Area (sq.cm)	Flag Leaf Area (sq.cm)	Heads Harvested (000/ha)	Plants Harvested (000/ha)
Factor									
SPV 475	78	66	102	125	76	301	133	46	72
CSH 9	70	73	106	140	190	283	111	61	76
CSH 6	61	73	125	145	977	259	120	61	76
SPV 386	77	65	111	154	128	254	125	44	69
SEM (+)	0.98	1.18	2.39	2.78	46.10	10.23	6.06	2.60	2.54
Factor									
Single Row	72	68	109	137	322	275	126	50	70
Double Row	71	71	116	144	360	276	121	53	74
Four Row	73	69	109	141	347	271	120	57	76
SEM (+)	0.85	1.02	2.07	2.40	39.93	8.86	5.25	2.25	2.20
Interaction									
SEM AxB (+)	1.70	2.05	4.14	4.81	79.85	17.71	10.49	4.51	4.40
C.V. (%)	5	6	7	7	47	13	17	17	12

w

Table : 841 File : 1018 Name: Kunga, Edith C.S.
 Crop : Sorghum Country: Tanzania
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 6)

Treat- ments	50% Flower (days)	Plant Height (cm)	Heads at Harvest (000/ha)	1000 Seed Weight (g)	Grain Yield (kg/ha)	Panicle Length (cm)
CBH6	62	143	76	21	1960	21
CBH9	68	140	56	20	1350	21
SPV 475	76	138	69	17	850	21
SPV 615	87	143	63	12	205	17
SPH 263	70	125	70	20	1188	21
SPH 264	64	150	67	23	2168	19
SEM (±)	1.15	3.68	8.72	0.52	201.87	1.01
C.V. (%)	3	5	26	5	31	10

Table : 842 File : 1043 Name: Ms. Leonidas, Caroline K.M.
 Crop : Sorghum Country: Tanzania
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 6)

Treat- ments		Plant Height (cm)	Heads at Harvest (000/ha)	1000 Grain Weight (g)	Grain Yield (kg/ha)	Stand After Thinning	Panicle Length (cm)
TRS 01	0	174	64	15	915	102	24
TRS 05	0	151	68	16	1095	114	21
IS 620	0	181	63	17	1045	117	26
IS 6335	0	160	93	17	1343	90	22
IS 9308	0	168	60	16	738	95	25
IS 2453	0	146	56	18	965	97	21
SEM (±)	ERR	9.27	11.60	0.90	179.56	10.09	1.23
C.V. (%)	ERR	11	35	11	35	20	11

Table : 843 File : 1043 Name: Ms. Leonidas, Carolina K.M.
 Crop : Sorghum Country: Tanzania
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 4)

Treat- ments	Plant Height (cm)	Nodes at Harvest (000/ha)	Grain Yield (kg/ha)	1000 Grain Weight (g)	
ICH 402	0	109	78	895	18
ICH 620	0	148	105	1313	12
IB 2453	0	149	113	1618	13
IB 6335	0	178	95	1715	12
IB 8219	0	131	88	1285	15
IBS 05	0	108	85	948	21
SEM (+)	0.00	9.06	12.66	231.94	0.67
C.V. (%)	0.00	13	27	39	9

Table : 844 File : 1025 Name : Mgumotzi, Mathew
 Crop : Sorghum Country: Botswana
 Title : Weed control trial in sorghum
 Summary of Selected Characters (Number: 9)

Treat- ments	Dry matter of weeds @ 25 DAP (kg/ha)	Dry matter of weeds @ 40 DAP (kg/ha)	Dry matter of weeds @ 55 DAP (kg/ha)	50% Flower (days)	Leaf Area (sq.cm)	Plant Height (cm)	Panicle Length (cm)	Panicles Harvested (000/ha)	Grain Yield (kg/ha)
No weeding	25	69	166	78	282	126	16	39	933
W 25 DAS	27	23	72	75	372	146	22	58	2623
25,40 DAS	29	21	24	71	409	178	24	83	4073
25,40,55 D	27	26	32	73	418	184	24	74	3545
80 1	9	52	131	72	370	158	21	73	3290
80 2	6	39	111	74	417	163	22	58	2420
SEM (+)	2.23	3.36	6.44	0.51	27.67	7.97	0.56	3.96	427
C.V. (%)	22	18	14	1	15	10	5	12	30

Table : 945 File : 1038 Name : Gao, JinWen
 Crop : Sorghum (Verticid) Country: China
 Title : Sorghum fertilizer trial
 Summary of Selected Means and Data (Number: 4

Treat- ments	50% Flower (days)	Plant Height (cm)	Grain Yield (kg/ha)	1000 Grain Weight (g)
Factor				
20 P	69	152	3020	17
40 P	69	156	3452	17
SEM (+_)	0.31	1.82	44.53	0.31
Factor				
30 N	68	140	2647	16
60 N	70	159	3198	16
90 N	70	163	3862	18
SEM (+_)	0.38	2.23	54.54	0.38
Interaction				
SEM AxB (+_)	0.54	3.15	77.14	0.53
C.V. (%)	2	4	5	6

Table : S46 File : 1038 Name : Gao JinWen
 Crop : Sorghum (Alfiad) Country: China
 Title : Sorghum fertilizer trial
 Summary of Selected Means and Data (Number: 4

Treat- ments	50% Flowering (days)	Plant Height (cm)	Grain Yield (kg/ha)	1000 Grain Weight (g)
Factor				
20 P	66	135	2869	19
40 P	66	143	3003	20
SEM (+_)	0.46	3.17	132.63	0.73
Factor				
30 N	61	124	2516	19
60 N	68	138	2757	20
90 N	69	155	3534	20
SEM (+_)	0.56	3.89	162.44	0.89
Interaction				
SEM AxB (+_)	0.79	5.50	229.73	1.26
C.V. (%)	2	8	16	13

Table : 847 File : 990 Name : Ibadan, Malawi
 Crop : Sorghum Country: Niger
 Title : Sorghum varietal by fertilizer trial
 Summary of Selected Means and Data (Number: 5

Treat- ments	Flowering 30% (days)	Plant Height (cm)	Panicles Harvested (000/ha)	Grain Yield (kg/ha)	1000 Grain Weight (g)
Factor					
SPV 475	71	156	78	1943	16
SPH 221	59	200	111	2694	17
SEM (+)	0.47	6.30	7.14	116.81	0.24
Factor					
0 N kg/ha	65	178	103	2125	16
40 N kg/ha	65	182	101	2129	17
80 N kg/ha	65	175	80	2101	17
SEM (+)	0.58	7.72	8.75	143.06	0.30
Interaction					
SEM AxB (+)	0.82	10.91	12.37	202.32	0.42
C.V. (X)	3	12	26	19	5

Table : 848 File : 981 Name : Koba, Cheikh
 Crop : Sorghum Country: Senegal
 Title : Sorghum varietal and plant density trial
 Summary of Selected Means and Data (Number: 5

Treat- ments	Panicle Length (cm)	Plant Height (cm)	Panicles Harvested (000/ha)	Thousand Seed Weight (g)	Grain Yield (kg/ha)
Factor					
SPV 351	23	145	67	21	20
SPH 221	23	149	97	21	27
SEM (+)	0.81	2.86	5.53	0.29	0.81
Factor					
100,000/ha	26	156	68	20	25
150,000/ha	22	146	86	21	24
200,000/ha	21	138	91	21	21
SEM (+)	0.99	3.50	6.77	0.36	0.99
Interaction					
SEM AxB (+)	1.40	4.95	9.57	0.50	1.40
C.V. (X)	12	7	23	5	12

Table : 849 File : 967 Name : Lavanani, Pongak
 Crop : Sorghum Country: Thailand
 Title : Sorghum fertilizer by varietal trial
 Summary of Selected Means and Data (Number: 6)

Treat- ments			Panicle Length (cm)	Plant Height (cm)	Grain Yield (kg/ha)	1000 Grain Weight (g)	Heads Harvest (000/ha)	Leaf Area (sq.cm)
Factor								
60 N	0	0	27	162	3499	30	61	388
120 N	0	0	29	158	3177	33	50	470
SEM (+)	ERR	ERR	0.53	3.01	489.80	0.55	4.77	14.49
Factor								
SPV 351	0	0	30	154	3283	30	52	393
SPV 386	0	0	25	174	2903	31	55	448
SPH 221	0	0	29	151	3829	33	59	446
SEM (+)	ERR	ERR	0.65	3.69	599.88	0.67	5.84	17.75
Interaction								
SEM AxB (+)	ERR	ERR	0.92	5.21	848.36	0.95	8.25	25.10
C.V. (%)	ERR	ERR	7	7	51	6	30	12

Table : S50 File : 1048 Name : Hamed, Abdel Mannan Saleh
 Crop : Sorghum Country: Sudan
 Title : Sorghum plant densities by varietal trial
 Summary of Selected Means and Data (Number: 3)

Treat- ments	Dry Weight (q/ha)	Leaf Area (sq.cm)	Heads Harvested (000/ha)
Factor			
150,000/ha	45	33	25
175,000/ha	47	36	23
SEM (+)	7.51	3.42	2.94
Factor			
SPV 475	38	36	18
SPV 386	48	39	25
SPH 221	52	28	29
SEM (+)	9.19	4.19	3.60
Interaction			
SEM AxB (+)	13.00	5.93	5.09
C.V. (%)	49	30	37

Table : S51 File : 1052 Name: Mohamed, Yahya N Haji
 Crop : Sorghum Country: Somalia
 Title : Sorghum varietal trial
 Summary of Selected Characters (Number: 6)

Treat- ments	Panicle Length (cm)	Plant Height (cm)	Heads at Harvest (000/ha)	Grain Yield (kg/ha)	Leaf Area (sq.cm)	50% Flower (days)
CS85	25	156	40	2598	414	70
CS89	29	158	44	3175	479	55
SPH 263	25	152	34	2542	378	69
SPV 475	25	132	29	1207	406	70
MA10 MR819	24	142	36	2188	366	73
A922	24	142	20	672	397	71
SEM (←)	0.79	0.74	1.84	186.62	10.71	6.55
C.V. (%)	6	1	11	18	5	19

PEARL MILLET

Table : P41 File : 1026 Name: Ngoronzi, Michael
 Crop : Pearl millet Country: Botswana
 Title : Pearl millet varietal trial
 Summary of Selected Characters (Number: 7)

Treat- ments	90% Flower (days)	Plant Height (cm)	Head Length (cm)	Panicle Diameter (cm)	1000 Seed Weight (g)	Heads Harvested (000/ha)	Grain Yield (kg/ha)
ICH 440	54	196	22	2	5	191	1928
ICH 446	52	186	24	1	5	263	2313
ICH 447	50	188	22	2	4	260	1643
ICH 448	53	189	22	2	4	242	1760
HR 110	45	178	21	3	6	261	1998
HR 560	51	175	20	2	4	261	1788
SEM (+)	0.37	2.43	0.39	0.06	0.39	7.86	226.61
C.V. (%)	1	3	4	6	16	6	24

Table : P42 File : 993 Name : Benjamin, Kyelem
 Crop : Pearl millet Country: Burkina Faso
 Title : Pearl millet varietal trial
 Summary of Selected Characters (Number: 5)

Treat- ments		Plant Height Area (cm)	Earheads Harvested (000/ha)	1000 Grain weight (g)	Grain Yield plant (kg/ha)	Panicle Length (cm)
WC-C75	0	191	200	5	1244	22
IC8B 7703	0	191	193	4	907	20
IC8B 7704	0	196	195	5	1427	24
ICH 440	0	193	207	4	1699	20
ICH 446	0	177	252	5	2055	22
ICH 447	0	185	258	5	1882	21
SEM (+)	HR	2.46	17.80	0.36	202.93	0.77
C.V. (%)	HR	3	16	15	26	7

Table : F13 File : 1044 Name : Akantsu, Lawrence Abi
 Crop : Pearl millet Country: Ghana
 Title : Pearl millet fertilizer by varietal trial
 Summary of Selected Means and Data (Number: 5)

Treat- ments	Flowering 50% (days)	Plant Height (cm)	Tiller Number	Thousand Seed Weight (g)	Grain Yield (kg/ha)
Factor					
60-17-0	46	205	3	6	1130
90-17-0	47	207	4	6	1180
SEM (+)	0.43	2.75	0.32	0.23	80
Factor					
ICMS 7703	47	210	4	6	1140
ICMS 7704	44	204	4	6	1220
ICMS 7835	48	205	4	6	1110
SEM (+)	0.53	3.37	0.39	0.28	100
Interaction					
SEM AxB (+)	0.74	4.77	0.56	0.40	140
C.V. (%)	3	5	30	14	24

Table : F14 File : 985 Name: Balla Diarra
 Crop : Pearl millet Country: Mali
 Title : Pearl millet varietal trial
 Summary of Selected Characters (Number: 8)

Treat- ments	50% Flower (days)	Plant Height (cm)	Head Length (cm)	Number Leaves/ Plant	1000 Seed Weight (g)	Heads Harvested (000/ha)	Grain Yield (kg/ha)	Leaf Area (sq.cm)
ICMS 7703	47	189	23	10	5	94	1083	202
ICMS 7704	52	198	28	11	5	82	1358	255
ICMS 7835	49	182	23	10	5	88	1210	180
G73-K77	50	136	31	11	4	86	849	219
NELC P79	50	183	26	11	5	91	1328	237
WC-C75	48	183	23	11	5	85	1819	191
SEM (+)	0.64	6.13	0.81	0.44	0.30	2.55	130.57	12.93
C.V. (%)	3	7	6	8	12	6	20	12

Table : FMS File : 1013 Name : Sackitoy, Charles Nwanna
 Crop : Pearl millet Country: Nigeria
 Title : Pearl millet varietal trial
 Summary of Selected Characters (Number: 7)

Treat- ments	50% Flower (days)	Plant Height (cm)	Heads at harvest (000/ha)	1000 Grain weight (g)	Grain Yield (kg/ha)	Panicle Length (cm)	Number of Tillers
ICMS 7703	36	184	105	5	610	23	5
ICMS 7704	54	176	100	5	750	25	5
NELC F79	52	186	98	5	610	23	6
G73-K77	52	130	99	5	590	26	8
ICMS 7835	49	185	102	7	690	23	6
WC-C75	50	190	100	5	690	24	7
SEM (+)	4.93	1.19	1.65	0.09	20	0.47	0.17
C.V. (%)	20	1	3	3	8	4	6

Table : FMS File : 1013 Name : Sackitoy, Charles K
 Crop : Pearl millet Country: Nigeria
 Title : Pearl millet plant densities by varietal trial
 Summary of Selected Means and Data (Number: 7)

Treat- ments	Flowering 50% (days)	Plant Height (cm)	Panicles Harvested (000/ha)	Panicle Length (cm)	Grain Yield (kg/ha)	1000 Grain Weight (g)	Tiller Number (per/plant)
Factor							
ICH 448	49	189	107	22	835	4	6
IK 560	47	183	126	22	760	5	6
SEM (+)	0.14	0.77	2.41	0.25	16.85	0.05	0.21
Factor							
120,000/ha	48	186	107	22	859	5	6
150,000/ha	48	185	120	22	734	5	7
180,000/ha	48	186	121	22	798	5	6
SEM (+)	0.17	0.94	2.95	0.31	20.63	0.06	0.26
Interaction							
SEM AB (+)	0.25	1.33	4.18	0.43	29.18	0.08	0.37
C.V. (%)	1	1	7	4	7	3	12

Table : PM7 File : 1045 Name: Mammi Jinsadu
 Crop : Pearl millet Country: Nigeria
 Title : Pearl millet varietal trial
 Summary of Selected Characters (Number: 8)

Treat- ments	50% Flower (days)	Plant Height (cm)	Heads at Harvest (000/ha)	Grain Yield (kg/ha)	1000 Grain Weight (g)	Panicle Length (cm)	Seedling Vigour	Emergence Score (%)
ICH 440	48	195	217	1146	3	21	6	6
ICH 446	46	183	268	1990	5	23	7	5
ICH 447	46	179	231	1816	5	23	5	3
ICH 448	46	186	233	1395	4	21	6	4
MBH 110	41	183	209	1514	4	22	5	5
BF 560	44	185	265	1551	4	21	7	4
SEM (←)	0.57	2.09	13.52	158.73	0.35	0.58	0.49	0.48
C.V. (%)	3	2	11	20	17	5	17	22

Table : PM8 Code : 1045 Name: Mammi Jinsadu
 Crop : Pearl millet Country: Nigeria
 Title : Pearl millet plant densities by varietal trial
 Summary of Selected Means and Data (Number: 8)

Treat- ment	Flowering 50% (days)	Plant Height (cm)	Panicle Length (cm)	Panicles Harvested (000/ha)	Grain Yield (kg/ha)	1000 Seed Weight (g)	Emergence Score (%)	Seedling Vigour (%)
Factor								
120,000/ha	48	204	24	177	2422	7	3	5
180,000/ha	46	201	23	190	2422	7	4	6
SEM (+_)	0.17	1.98	0.57	4.72	242.77	0.18	0.27	0.42
Factor								
WC-C75	46	208	24	168	1992	7	3	5
MS 7703	46	207	23	181	2422	7	4	5
MS 7704	46	207	23	202	2776	8	4	6
SEM (+_)	0.21	2.43	0.45	5.68	296.79	0.22	0.33	0.51
Interaction								
SEM AxB (+_)	0.30	3.44	0.63	8.03	419.72	0.32	0.47	0.72
C.V. (%)	1	3	5	9	34	9	26	28

Table : P98 File : 979 Name: Alioune Beye
 Crop : Pearl millet Country: Senegal
 Title : Pearl millet varietal trial
 Summary of Selected Characters (Number: 8)

Treat- ments	Panicle Length (cm)	Plant Height (cm)	Earheads Harvested (000/ha)	1000 Grain Weight (g)	Grain Yield Weight (kg/ha)	Drought Resistance Score	Lodging (at flower ring)	Lodging (at maturity)
WC-C75	22	214	241	5	1670	3	2	2
ICMB 7703	22	207	229	5	1389	3	2	3
ICMB 7704	26	213	204	6	1819	3	3	2
NELC P79	25	214	228	4	1599	2	2	1
G73-K77	30	128	190	5	1310	3	4	4
ICMB 7835	21	195	217	6	1568	4	4	4
SEM (+)	1.10	7.60	12.42	0.33	187.57	0.29	0.17	0.34
C.V. (%)	9	8	11	12	24	19	12	26

Table : P100 File : 979 Name : Alioune Beye
 Crop : Pearl millet Country: Senegal
 Title : Pearl millet fertilizer by varietal trial
 Summary of Selected Means and Data (Number: 5)

Treat- ments	Plant Height (cm)	Earhead Length (cm)	Earheads Harvested (000/ha)	Grain Yield (kg/ha)	1000 Grain Weight (g)
Factor					
60-17-0	194	22	288	1382	4
30-17-0	192	21	278	1436	4
SEM (+)	1.42	0.34	7.49	124.39	0.30
Factor					
ICH 440	193	22	235	1763	4
ICH 448	201	22	270	1382	4
IK 560	185	21	345	1082	4
SEM (+)	1.74	0.41	9.17	152.35	0.36
Interaction					
SEM AxB (+)	2.47	0.58	12.97	215.46	0.51
C.V. (%)	3	5	9	31	25

Table : PM11 File : 977 Name: Diop, Abdoulaye Dia
 Crop : Pearl millet Country: Senegal
 Title : Pearl millet hybrid trial
 Summary of Selected Characters (Number: 6)

Treat- ments	50% Flower (days)	Plant Height (cm)	Panicle Length (cm)	1000 Grain Weight (g)	Grain Yield (kg/ha)	Earheads Harvested (000/ha)
ICH 440	57	180	24	4	1736	177
ICH 446	54	173	25	6	1838	183
ICH 447	54	178	24	4	1687	201
ICH 448	56	177	23	5	1605	178
MH 110	49	184	24	7	1675	130
IK 560	53	173	23	4	1608	225
SEM (←)	0.25	3.10	0.40	0.28	214.92	12.64
C.V. (X)	1	3	3	11	25	14

Table : PM12 File : 977 Name : Abdoulaye Dia Diop
 Crop : Pearl millet Country: Senegal
 Title : Pearl millet plant densities by varietal trial
 Summary of Selected Means and Data (Number: 6)

Treat- ments	50% Flower (days)	Panicle Length (cm)	Plant Height (cm)	Grain Yield (kg/ha)	1000 Grain Weight (g)	Earheads Harvested (000/ha)
Factor						
180,000/ha	49	23	207	1868	7	176
150,000/ha	54	25	213	1445	5	161
SEM (+_)	0.62	0.58	3.71	75.17	0.19	7.63
Factor						
WC-C75	49	23	217	1628	6	181
ICMS 7703	53	25	202	1709	6	161
ICMS 7704	52	24	211	1633	6	164
SEM (+_)	0.76	0.71	4.84	92.07	0.23	9.35
Interaction						
SEM AxB (+_)	1.07	1.00	6.42	130.20	0.32	13.22
C.V. (X)	4	8	6	16	11	16

Table : FM13 File : 1020 Name: Tasha, Procas P
 Crop : Pearl millet Country: Tanzania
 Title : Pearl millet varietal trial
 Summary of Selected Characters (Number: 7)

Treat- ments	50% Flower (days)	Plant Height (cm)	Heads at Harvest (000/ha)	1000 Grain Weight (g)	Grain Yield (kg/ha)	Lodging Score (%)	Panicle Length (cm)
ICH 440	45	188	176	6	1655	5	21
ICH 446	41	190	243	6	2277	8	495
ICH 447	42	195	252	5	1644	3	21
ICH 448	45	201	217	5	1666	5	20
MIR 110	37	195	180	6	1711	3	21
WC-C75	41	196	194	6	1400	5	21
SEM (+)	0.48	4.01	8.81	0.38	169.06	1.12	193.85
C.V. (%)	2	4	8	14	20	48	389

Table : FM14 File : 1008 Name : Ms. Chibwe, Changu
 Crop : Pearl millet Country: Zambia
 Title : Pearl millet varietal trial
 Summary of Selected Characters (Number: 7)

Treat- ments	50% Flower (days)	Plant Height (cm)	Heads at Harvest (000/ha)	1000 Grain Weight (g)	Grain Yield Weight (kg/ha)	Tiller Number	Panicle Length (cm)
WC-C75	46	205	187	6	1113	3	22
IQMS 7703	46	201	180	6	1278	4	22
IQMS 7704	49	215	188	6	1586	4	26
IVS 5454	48	198	160	6	1089	3	24
IQMS 7835	48	206	191	7	1649	3	21
NELC P79	51	196	176	5	1163	3	23
SEM (+)	1.75	3.84	8.84	0.56	176.56	0.24	0.86
C.V. (%)	7	4	10	19	27	16	8

Table : FM15 File : 995 Name : Ndoubakoi Tadjoum
 Crop : Pearl millet Country: Chad
 Title : Pearl millet fertilizer by varietal trial
 Summary of Selected Means and Data (Number: 4)

Treat- ments	Panicle Length (cm)	Plant Height (cm)	Grain Yield (kg/ha)	1000 Grain Weight (g)
Factor				
17 P	23	150	1660	7
0 P	24	148	1829	7
SEM (+_)	0.66	2.47	100.28	0.19
Factor				
MH 110	21	173	2374	8
ICM 7835	21	170	1609	7
G73-K77	29	104	1251	6
SEM (+_)	0.81	3.03	122.82	0.23
Interaction				
SEM AxB (+_)	1.15	4.29	173.69	0.32
C.V. (%)	10	6	20	9

Table : FM16 File : 987 Name: M'bye, Diallo Mamadou
 Crop : Pearl millet Country: Mauritania
 Title : Pearl millet varietal trial
 Summary of Selected Characters (Number: 8)

Treat- ments	50% Flower (days)	Plant Height (cm)	Heads at Harvest (000/ha)	1000 Grain Weight (g)	Grain Yield (kg/ha)	Initial Plant Stand (000/ha)	Panicle Length (cm)	Dry Mat (kg/ha)
WC-C75	48	204	184	6	1600	126	21	2434
MH 110	45	182	192	7	1925	120	22	2711
IK 560	46	179	232	5	1725	124	19	2633
G73-K77	50	130	174	5	1275	127	29	2434
ICM 7835	49	189	175	6	1475	124	22	2222
NELC P79	50	193	163	5	1500	120	21	2278
SEM (+-)	0.51	4.61	9.44	0.28	168.33	3.54	1.42	193.02
C.V. (%)	2	5	10	10	21	6	13	16

Table : PM17 File : 795 Name : Marques, Enrique Villalon
 Crop : Pearl Millet Country: Mexico
 Title : Pearl millet varietal trial
 Summary of Selected Characters (Number: 6)

Treat- ments	50% Flower (days)	Plant Height (cm)	Panicle length (cm)	1000 Grain Weight (g)	Grain Yield (kg/ha)	Number Panicles Harvested
G73-K-77	50	89	27	5	844	195
ICMB 7835	48	158	21	8	1583	192
WC C75	49	144	21	6	1600	197
BK 560	46	145	20	5	1960	204
MIR 110	39	153	22	6	1483	200
ICMB 7703	45	156	20	7	1290	193
SEM (+)	0.10	4.48	1.31	0.40	137.94	3.45
C.V. (%)	0	6	12	13	19	4

Table : PM18 File : 1018 Name : Korga, Edith C.S.
 Crop : Pearl millet Country: Tanzania
 Title : Pearl millet varietal by date of planting trial
 Summary of Selected Means and Data (Number: 7)

Treat- ments	Flowering 50% (days)	Plant Height (cm)	Panicles Harvested (000/ha)	Thousand Seed Weight (g)	Grain Yield (kg/ha)	Dry Heads (kg/plot)	Panicle Length (cm)
Factor							
WC-C75	46	139	74	6	1033	1	18
ICMB 7704	49	140	66	6	939	1	19
SEM (+)	0.45	3.06	2.85	0.15	79.23	0.04	0.73
Factor							
26 June	47	160	80	7	1308	1	19
1 July	50	156	79	6	1219	1	20
9 July	47	103	51	5	430	0	17
SEM (+)	0.55	3.75	3.49	0.19	97.04	0.05	0.90
Interaction							
SEM AxB (+)	0.78	5.30	4.94	0.27	137.23	0.07	1.27
C.V. (%)	3	8	14	9	28	21	14

Table : P019 File : 1043 Name: Ms. Leonidas, Caroline K.M.
 Crop : Pearl millet Country: Tanzania
 Title : Pearl millet varietal trial
 Summary of Selected Characters (Number: 9)

Treat- ments	50% flowering (days)	Plant Height Plant (cm)	Heads at Harvest (000/ha)	1000 Grain Weight (g)	Grain Yield (kg/ha)	Panicle Length (cm)	Dry Weight of heads (q/ha)	Wet Weight of heads (q/ha)	Stand After Thinning
WC-675	48	181	168	7	1398	23	26	31	122
MH 110	45	183	178	7	1438	22	25	28	107
BK 560	46	173	267	6	1728	19	30	33	111
G73-K77	50	130	151	6	966	31	23	30	373
ICMB 7835	48	193	174	7	1252	22	24	29	124
ICMB 7703	45	204	174	6	1375	27	24	27	124
SEM (+)	0.40	10.47	10.87	0.49	115.07	1.47	1.72	2.18	102.34
C.V. (%)	2	12	12	16	17	12	14	15	128

Table : P020 File : 1024 Name : Synai Masikara
 Crop : Pearl millet (BK 50) Country: Botswana
 Title : Time of application and levels of nitrogen in pearl millet
 Summary of Selected Means and Data (Number: 6)

Treat- ments	Height Boot Stage (cm)	Leaf Area (sq.cm)	Panicle Length (cm)	Plant Height (cm)	Grain Yield (kg/ha)	1000 Grain Weight (g)
Factor						
40 N	126	152	21	176	1433	4
80 N	123	160	21	171	1450	4
SEM (+)	1.80	3.71	0.34	1.75	106.59	0.14
Factor						
Basal	124	157	20	170	1275	3
Basal +boot in	122	152	21	173	1438	4
Basal +boot in	127	161	21	177	1613	4
SEM (+)	2.21	4.55	0.41	2.14	130.54	0.18
Interaction						
SEM AxB (+)	3.12	6.43	0.59	3.03	184.62	0.25
C.V. (%)	5	8	6	3	26	14

Table : 1922 File : 988 Name : Yogo, Bourkina
 Crop : Fani millet Country: Mali
 Title : Fani millet varietal by plant density trial
 Summary of Selected Means and Data (Number: 5)

Treat- ments	50% Flower (days)	Panicle Length (cm)	Plant Height (cm)	Grain Yield (kg/ha)	1000 Grain Weight (g)
Factor					
112,000/ha	52	22	159	1458	5
144,000/ha	51	21	159	1466	5
SEM (+)	0.23	0.36	2.74	77.51	0.18
Factor					
ICM 7703	51	21	160	1310	5
ICM 7704	52	24	166	1372	5
ICM 447	51	20	151	1704	4
SEM (+)	0.28	0.44	3.36	94.93	0.23
Interaction					
SEM AxB (+)	0.39	0.62	4.75	134.25	0.32
C.V. (X)	2	6	6	18	13

Table : F923 Code : 981 Name : Kabe, Cheikh
 Crop : Pearl Millet Country: Senegal
 Title : Variety and nitrogen response.
 Summary of Selected Means and Data (Number: 5)

Treat- ments	Flowering 50% (days)	Plant Height (cm)	Panicle Length (cm)	Panicles Harvested Weight (000/ha)	Grain Yield (kg/ha)
Factor					
A1	51	176	20	275	2619
A2	51	203	24	205	2293
SEM (+)	0.29	2.26	0.31	6.36	61.95
Factor					
B1	51	191	23	233	2286
B2	50	187	22	246	2578
B3	51	191	22	241	2504
SEM (+)	0.35	2.77	0.38	7.79	75.87
Interaction					
SEM AxB (+)	0.50	3.92	0.54	11.02	107.29
C.V. (%)	2	4	5	9	9

Table : F924 File : 1056 Name: Md. Hazzrat Ali
 Crop : Pearl millet Country: Bangladesh
 Title : Pearl millet varietal trial
 Summary of Selected Characters (Number: 6)

Treat- ments	50% Flower (days)	Plant Height (cm)	Heads Harvested (000/ha)	1000 Grain Weight (g)	Grain Yield (kg/ha)	Panicle Length (cm)
WC-075	54	189	285	4	2005	21
G73-K77	53	168	310	5	1943	21
ICMB 7835	54	183	328	4	2303	20
ICMB 7703	57	128	233	4	1395	33
MH 110	54	190	320	5	1950	21
BK 560	53	188	295	5	1928	20
SEM (+)	0.35	4.15	23.98	0.28	229.13	1.22
C.V. (%)	1	5	16	13	24	11

Table : F425 File : 1056 Name : M.L. Hossain Ali
 Crop : Pearl millet Country: Bangladesh
 Title : Pearl millet fertilizer by varietal trial
 Summary of Selected Means and Data (Number: 6)

Treat- ments		50% Flower (days)	Panicle Length (cm)	Plant Height (cm)	Grain Yield (kg/ha)	1000 Grain Weight (g)	Heads Harvested (000/ha)
Factor							
30N kg/ha	0	55	23	173	813	4	263
60N kg/ha	0	54	22	173	1387	5	319
SEM (+)	ERR	0.20	0.27	3.23	76.90	0.15	11.21
Factor							
ICMS 7704	0	56	24	181	1119	4	275
NELC P79	0	53	21	171	1055	4	295
IVS 5454	0	54	23	167	1125	5	303
SEM (+)	ERR	0.25	0.33	3.95	94.18	0.18	13.73
Interaction							
SEM AxB (+)	ERR	0.35	0.47	5.59	133.20	0.25	19.42
C.V. (%)	ERR	1	4	6	24	12	13

GROUNDNUT

Table : G1 File : 1080 Name : Mounouni, Adjara
 Crop : Groundnut Country: Benin
 Title : Groundnut varietal trial
 Summary of Selected Characters (Number: 6)

Treat- ments	Plant Density (cm)	Bad Necrosis (No. of buds)	Dead Plants Ref. Maty. (no.)	No. of Non-matu. Pods (5 pl)	No. of Pods (5 pl)	Yield (kg/ha)
NCAC 17090	7	15	5	53	53	798
EC 76446	7	33	11	38	38	204
J 11	4	30	7	50	54	372
PI259747	6	39	13	29	29	103
ROBUT 33-1	4	3	3	37	40	526
DW 2	3	31	12	55	56	373
SEM (+)	0.42	4.11	3.77	5.27	5.51	73.20
C.V. (%)	17	33	90	24	25	37

Table : G2 File : 1027 Name : Malapong, Dintle 0
 Crop : Groundnut Country: Botswana
 Title : Groundnut varietal trial
 Summary of Selected Characters (Number: 6)

Treat- ments	50% Flower (days)	Plant Height (cm)	100 Kernel weight (g)	Pod Yield (kg/ha)	Pods Per Plant (5 pl/plo)	Pods Shelling (%)	Harvest Stand Emergence (000/ha)
IOGS 4	32	14	23	582	9	53	146
IOGS 6	32	13	22	827	8	60	199
IOGS 11	31	14	22	627	11	63	151
IOG 10	31	19	23	1838	9	46	197
IOGS 26	32	19	15	1038	10	34	257
Robut 33-1	33	14	22	782	10	65	192
SEM (+)	0.81	0.97	1.40	144.14	1.39	4.37	27.38
C.V. (%)	5	13	13	30	30	16	29

Table : G3 File : 1027 Name : Mdacong, Distle 0
 Crop : Groundnuts Country: Botswana
 Title : Groundnut disease resistance trial
 Summary of Selected Characters (Number: 6)

Treat- ments	50% Flower (days)	Plant Height (cm)	100 Kernel weight (g)	Pod Yield (kg/ha)	No.of Shelling Pods/ Plant (5 pl/plo)	Disease Score Rust etc (%)	Rust Infection (%)	Plant Stand (000/ha)
DW 2	33	19	16	303	9	43	7	18
M 13	32	14	23	679	6	38	6	3
ICGS 6	32	15	19	761	8	53	7	4
PI 314817	32	19	14	856	6	36	3	6
ICG(FORS)	32	20	13	706	12	43	3	4
ICGS 2	32	21	24	763	11	48	4	362
SEM (←)	0.70	1.00	1.47	52.65	0.87	3.31	0.32	143.46
C.V. (%)	4	11	16	16	21	15	14	435

Table : G4 File : 1039 Name : Tin, Daw Aye Tin
 Crop : Groundnut Country: Burma
 Title : Groundnut varietal trial
 Summary of Selected Characters (Number: 6)

Treat- ments	Plant Height (cm)	100 kernel weight (g)	Yield (kg/ha)	Shelling (%)	Mature Pods/pl	Yield Per Plant (g)	Plant Count Net plot	Rust Score (%)
ICGS 35-1	12	25	254	45	6	10	54	7
ICGS 51	13	27	277	71	4	9	68	7
ICGS 47	13	25	311	70	5	7	62	7
ICGS 62	14	19	233	82	4	9	91	7
ICGS 49	13	20	356	63	5	9	68	7
Robur 33-1	12	20	345	54	6	10	62	6
SEM (←)	0.64	1.35	50.06	4.25	0.67	1.15	8.75	0.34
C.V. (%)	10	12	34	13	28	26	26	10

Table : G5 File : 1039 Name : Ma.Tin, Daw Aye
 Crop : Groundnut Country: Burma
 Title : Groundnut plant density by varietal trial
 Summary of Selected Means and Data (Number: 7)

Treat- ments	Plant Height (cm)	Shelling (%)	Pod Yield (kg/ha)	Yield/ Plant (g)	100 Kernel Weight (g)	Matured Pods/ Plant	Plant Count Per Plot
Factor							
333,000/ha	19	61	314	10	19	4	83
222,000/ha	19	64	267	10	19	4	62
SEM (+)	0.64	1.68	22.19	0.60	1.43	0.29	3.35
Factor							
Robot 33-1	13	58	336	8	19	4	70
TW2	21	67	244	12	18	4	87
NCAC 17090	22	63	292	9	19	4	61
SEM (+)	0.79	2.05	27.18	0.74	1.76	0.35	4.10
Interaction							
SEM AxB (+)	1.12	2.91	38.44	1.04	2.48	0.49	5.80
C.V. (%)	12	9	26	22	27	25	16

Table : G6 File : 1041 Name : Daw Mu Mu Han
 Crop : Groundnut Country: Burma
 Title : Groundnut plant densities by varietal trial
 Summary of Selected Means and Data (Number: 10)

Treat- ments	Primary Branches	Plant Height (cm)	Number Matured Pods/ Plant	Pod Yield (kg/ha)	100 Kernel Weight (g)	Shelling (%)	Disease (Yellow Resistance spot)	Drought	Yield/ Plant (g)
Factor									
333,000/ha	4	19	5	308	21	61	7	8	4
222,222/ha	5	19	6	359	21	63	6	8	4
SEM (+)	0.22	0.75	0.43	40.35	0.97	4.03	0.18	0.21	0.25
Factor									
EC 76466	4	23	4	200	18	82	6	7	5
J11	5	20	7	329	24	52	7	8	2
Robot 33-1	4	14	5	472	21	53	6	8	5
SEM (+)	0.27	0.92	0.53	49.42	1.19	4.93	0.22	0.25	0.31
Interaction									
SEM AxB (+)	0.38	1.30	0.74	69.89	1.68	6.98	0.31	0.36	0.44
C.V. (%)	17	14	28	42	16	22	10	9	22

Table : G7 File : 1041 Name : Han, Daw Ma Ma
 Crop : Groundnut Country: Burma
 Title : Groundnut varietal trial
 Summary of Selected Characters (Number: 9)

Treat- ments	Pod Yield (kg/ha)	Plant Height (cm)	Number Primary Branches	100 Kernel weight (g)	Yield/ Plant Weight (g)	Number Matured Pods (5 pl/plot)	Shelling (%)	Disease (Yellow spot) (Score)	Drought Resistance (Score)
ICGB 58	480	19	6	29	8	10	62	7	7
ICGB 4	272	17	6	29	5	7	56	7	6
ICGB 48	434	17	5	29	5	5	52	7	7
ICGB 46	588	15	6	25	4	5	45	7	8
ICGB 2	655	20	5	28	6	8	38	8	8
Robut 33-1	584	17	6	27	4	5	49	7	7
SEM (←)	107.44	0.87	0.28	1.09	0.65	1.08	4.70	0.31	0.49
C.V. (%)	43	10	11	8	25	33	19	9	13

Table : G8 File : 1035 Name : Yu, Shao-in
 Crop : Groundnut Country: China
 Title : Groundnut varietal trial
 Summary of Selected Characters (Number: 9)

Treat- ments	75% Flowering (kg/ha)	Plant Height (cm)	Number Primary Branches	100 Kernel weight (g)	Pod Yield (kg/ha)	Shelling (%)	Leafspot (score)	Plant Count Per Plot	Matured Pods/ Plant (Av 5 pl)
ICGB 3	31	17	7	32	217	58	8	40	3
ICGB 19	33	20	9	31	274	58	5	56	3
ICGB 28	28	28	5	39	471	60	4	72	4
ICGB 78	32	21	11	31	260	60	6	45	2
ICGB 80	32	18	10	31	305	59	6	47	3
Robut 33-1	31	13	11	32	273	60	6	49	2
SEM (←)	0.36	0.33	0.19	0.37	15.35	1.10	0.52	3.86	0.28
C.V. (%)	2	3	4	2	10	4	18	15	20

