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SAFGRAD MAIZE AND COWPEA

NETWORKS

JOINT WORKSHOP OF NATIONAL SCIENTISTS

20 - 24 MARCH, 1989

A G E N D A

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SAFGRAD MAIZE AND COWPEA NETWORKS
JOINT WORKSHOP OF NATIONAL SCIENTISTS
LOME, TOGO, 20-24 MARCH, 1989

A G E N D A

SUNDAY, 19 MARCH, 1989

Arrival of Participants

MONDAY, 20 MARCH, 1989

08.00 - 09.00

R E G I S T R A T I O N

OPENING SESSION

Chairman : Prof. A.M. Emechebe

Rapporteurs : Maïze : B. Badu-Apraku

Cowpea : G. Atuahene-Amankwa.

09.00 - 09.10

Welcome Address : International Coordinator
SAFGRAD

09.10 - 09.20

Address by Deputy Director General,
International Cooperation Program, IITA.

09.20 - 09.35

Opening Address : Minister of Rural Development
of Togo.

09.35 - 10.00

GROUP PHOTOGRAPH AND COFFEE BREAK

SCIENTIFIC PAPER COMMUNICATION

Chairman : Prof. A.M. Emechebe

Rapporteurs : Maïze : Dr. N.U.A. Idem
Dr. B. Badu-Apraku
Dr. Charles Thé

Cowpea : Dr. J. Detongnon
Dr. O.O. Olufajo
Dr. M. Sedogo

3839

- 10.00 - 10.20 IITA Maize Strategy - Past, Present and Future.
Dr. I. W. Buddenhagen, Director, Maize Program, IITA.
- 10.00 - 10.40 C2-1 Importance of millet and cowpea association in relation with Bruchidius atrolineatus Pic. and its host-plant (Vigna unguiculata L. (Walp) in Sahelian Agro-system in Niger. - Alzouma Inezdane.
- 10.40 - 11.00 M1-1 The contribution of local maize accessions to introduced maize varieties from SAFGRAD, CIMMYT and IITA in Cameroon. - C. Thé, J.A. Ayuk-Takem and Nkoa Menli.
- 11.00 - 11.20 C3-2 Field studies on cowpea (Vigna unguiculata resistance to cowpea flower thrips, Megalurothrips sjostedti (Trybom). - C.I. Amatobi.
- 11.20 - 11.40 M1-2 Study on the organization of genetic variability of maize populations: Practical Applications. - Abdou Ndiaye.
- 11.40 - 12.00 C1-2 Stability in field and threshing percentage of introduced cowpea varieties in Ghana. - G. Atuahene Amankwa and M.A. Hossain.
- 12.00 - 12.20 M1-3 Genotype x Environment Interaction in maize and the the implications in breeding for stable and high yield in Ghana. - B. Badu-Apraku and P.Y.K. Sallah.
- 12.20 - 12.30 SPECIAL ANNOUNCEMENTS.
- 12.30 - 14.00 LUNCH BREAK
- 14.00 - 14.20 C1-1 Development of improved cowpea varieties adapted to semi-arid areas and resistant to local diseases and insect pests. - Cisse Ndiaga.
- 14.20 - 14.40 M2-1 Intensification of production in a maize-cassava intercrop. - J.N. Asafu-Agyei.
- 14.40 - 15.00 C1-5 Varietal resistance of cowpea (Vigna unguiculata (Walp)) to Striga gesnerioides (Willd) Vatke. - Hassane Hamma.
- 15.00 - 15.20 M2-2 Effects of simple and tied ridging and earthing on grain yield and lodging on maize in an oxisol at Farako-Bâ, Burkina Faso. - M.S. Rodriguez.
- 15.20 - 15.40 C2-4 Studies on spatial arrangement of crops in a sorghum-cowpea mixed cropping system. - D. Sogodogo.
- 15.40 - 16.00 M2-3 Effects of planting depth and ridging on maize germination and grain yield at Kamboinse, Burkina Faso. M.S. Rodriguez.
- 16.00 - 16.20 COFFEE BREAK

- 16.20 - 16.40 C2-3 Millet-cowpea relay-cropping as influenced by cultivars and nitrogen fertilization. K.A. Elemo.
- 16.40 - 17.00 M2-4 Plant density and yield components of hybrid maize in the Northern Guinea Savanna Zone of Nigeria. N.U.A. Idem.
- 17.00 - 17.20 C3-1 Nitrogen fertilizer effects on cowpea attack by Striga in Northern Nigeria. J.K. Adu, O. Leleji and A.M. Emechebe.
- 17.20 - 17.40 M2-5 Effects of nitrogen rate and time of application on yield and yield components of maize in the Northern Guinea Savanna Zone of Nigeria. N.U.A. Idem.
- 19.30 - 20.30 C O C K T A I L

TUESDAY 21 MARCH, 1989

- 08.00 - 08.20 C3-3 Seed and pod wall resistance of cowpea varieties to attack by the cowpea storage beetle, Callosobrochus maculatus F. Owusu Akyaw and S.R. Singh.
- 08.20 - 08.40 M3-1 Farmers' practices and incidence of Striga in Northern Ghana. Grace Bolfrey, F.R. Arias, J.E. Ampong, A.H. Dakurah and V.M. ANchirinah.
- 08.40 - 09.00 C3-4 Pathogen efficiency and mode of action of Macrophomina phaseolina (Tassi) Goid, parasite of Cowpea (Vigna unguiculata) in Niger. Adam Toudou, Mekinto Batcho et Léontine Dan-Dicko.
- 09.00 - 09.20 M3-2 Incidence of nitrogen levels on Striga asiatica emergence on maize crop in Togo. C.A. Agbobli.
- 09.20 - 09.40 C2-2 Phytosanitary reaction to maize and cowpea mixed cropping in Togo. C.A. Agbobli.
- 09.40 - 10.00 M3-3 Recent progress on Striga resistance breeding in maize at IITA. S.K. Kim and A.Y. Akintunde.
- 10.00 - 10.20 C O F F E E B R E A K
- 10.20 - 10.40 C3-5 Response of three cowpea cultivars to two contrasting regimes of soil moisture. G.K. Sessouma.
- 10.40 - 11.00 M1-4 Empirical results from a study of maize yield potential in the different agro-ecologies of Nigeria. M.A.B. Fakorede and S.K. Kim.
- 11.00 - 11.20 C1-4 Technological transformation and cowpea (Vigna unguiculata) culinary in Mali : Experiences and Perspectives. Mme Boré Assa Kanté.
- 11.20 - 11.40 M1-5 Development of a comprehensive breeding program for early maturing maize germplasm. J.H. Mareck, S.K. Kim, F.H. Khadr, J.M. Fajemisin, Y. Efron.

- 11.40 - 12.00 C1-3 Response of cowpea to intercropping with millet in Sudano-Sahelian environment of West Africa.
B. Ntare.
- 12.00 - 12.20 M1-6 Comparative study of three experimental designs on maize germplasm selection. C. Thé, J.A. Ayuk-Takem and C.N. Bamzok.
- 12.20 - 12.40 C2-5 State of research on cowpea production practices at Saria and some on-station testings in Burkina Faso. M. Sedogo.
- 12.40 - 14.00 LUNCH BREAK

SCIENTIFIC PAPER COMMUNICATION : SEPARATE MAIZE SESSION

- 14.00 - 14.20 M1-7 Comparison of four selection methods for intra-population improvement in the TZESR-W maize population. J.H. Mareck, S.K. Kim, F.H. Khadr, J.M. Fajemisin and Y. Efron.
- 14.20 - 14.40 M3-4 Influence of sex and number of insect vector Cicadulina mbila on the transmission of maize streak virus (MSV) and assessment of the level of resistance of some maize varieties to MSV. E.Y. Mawule, A. Nyadi et Gumedzone.
- 14.40 - 15.00 M3-5 Evaluation of streak resistant maize inbred lines for resistance to other important lowland tropical diseases. J.M. Fajemisin, S.K. Kim, Y. Efron and J.A. Durojaiye.
- 15.00 - 15.20 M2-6 Effects of planting date and varietal maturity on seed and storability of maize in Ghana. E.A. Asiedu.
- 15.20 - 15.40 M2-7 The effect of stubble burning on weed control in maize. Grace E.K. Bolfrey and K. Ampong-Nyarko.
- 15.40 - 16.00 M3-7 Results of chemical control trial on maize insect pest Protephanus truncatus in Togo. A. Baliwa, A. Von-Berg and S. Krall.
- 16.00 - 16.15 COFFEE BREAK

COMMUNICATIONS ON IITA MAIZE RESEARCH PROGRAM ACTIVITIES

- 16.15 - 16.40 The development of open-pollinated maize for savanna environment. J.H. Mareck.
- 16.40 - 17.05 The development of hybrid maize for savanna environment. S.K. Kim.
- 17.05 - 17.30 Entomology research and insect resistance at IITA. N.A. Bosque-Perez and J.H. Mareck.

WEDNESDAY 22, MARCH, 1989

REPORT OF MAIZE NETWORK ACTIVITIES

Chairman : Dr. E. Yovo Mawule

08.00 - 08.30	I. <u>Maize Network Coordinator's Report</u> - J.M. Fajemisin
08.30 - 09.00	Discussion of Coordinator's Report
✓ 09.00 - 09.30	II. <u>Reports from Lead National Centres</u> Burkina Faso
✓ 09.30 - 10.00	Cameroon
10.00 - 10.30	COFFEE BREAK
✓ 10.30 - 11.00	Ghana
✓ 11.00 - 11.30	Nigeria
✓ 11.30 - 12.00	Côte d'Ivoire
✓ 12.00 - 12.30	General Discussions
12.30 - 14.40	LUNCH BREAK
	III. <u>Reports from other National Programs</u>
✓ 14.00 - 14.25	Benin
✓ 14.25 - 15.15	Cape Verde
✓ 15.15 - 15.40	Tchad
15.40 - 16.00	COFFEE BREAK
✓ 16.00 - 16.25	Guinea Bissau
✓ 16.25 - 16.50	Guinea Conakry
✓ 16.50 - 17.15	Mali
17.15 - 17.30	General Discussions

THURSDAY 23, MARCH

REPORT OF MAIZE NETWORK ACTIVITIES (CONT'D)

Chairman :

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Department of Rural Economy and Agriculture (DREA)

African Union Specialized Technical Office on Research and Development

1989-03

JOINT WORKSHOP OF NATIONAL SCIENTISTS, SAFGRAD MAIZE AND COWPEA NETWORK

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