

### Articles in Peer-reviewed Journals

#### 2003

Albar L., M.N. Ndjiondjop, Z. Esshak, A. Berger, A. Pinel, M. Jones, D. Fargette and A. Ghesquière. 2003. Fine genetic mapping of a gene required for Rice yellow mottle virus cell-to-cell movement. *Theoretical and Applied Genetics* 107 (2): 371–378.

Audibert, M., J. Mathonnat and M.C. Henry. 2003. Malaria and property accumulation in rice production systems in the savannah zone of Côte d'Ivoire. *Tropical Medicine & International Health* 8(5): 471–483.

Badu-Apraku B., F.J. Abamu, A. Menkir, M.A.B. Fakorede, K. Obeng-Antwi, C. Thé. 2003. Genotype by environment interactions in the regional early maize variety trials in West and Central Africa. *Maydic* 48 (2): 93–104.

Briët O.J.T., J. Dossou-Yovo, E. Akodo, N. van de Giesen, T.M. Teuscher. 2003. The relationship between *Anopheles gambiae* density and rice cultivation in the savannah zone and forest zone of Côte d'Ivoire. *Tropical Medicine & International Health* 8(5): 439–448.

Dalton, T.J. and R. G. Guei. 2003. Productivity gains from rice genetic enhancements in West Africa: Countries and ecologies. *World Development* 31(2): 359–374.

De Plaen, R., R. Geneau, T. Teuscher, A. Koutoua and M-L. Seka. 2003. Living in the paddies: a social science perspective on how inland valley irrigated rice cultivation affects malaria in Northern Côte d'Ivoire. *Tropical Medicine & International Health* 8(5): 459–470.

Erenstein, O. 2003. Smallholder conservation farming in the tropics and sub-tropics: a guide to the development and dissemination of mulching with crop residues and cover crops. *Agriculture, Ecosystems and Environment* 100: 17–37.

Futakuchi, K., S. Tobita, S. Diatta and A. Audebert. 2003. WARDA's work on the New Rice for Africa (NERICA)—interspecific *Oryza sativa* L. x *O. glaberrima* Steud. progenies. *Japanese Journal of Crop Science* 72 (Extra issue 1): 324–325.

Haefele, S.M., M.C.S. Wopereis, M.K. Ndiaye, S.E. Barro and M. Ould Isselmou. 2003. Internal nutrient efficiencies, fertilizer recovery rates and indigenous nutrient supply of irrigated lowland rice in Sahelian West Africa. *Field Crops Research* 80(1): 19–32.

Haefele, S.M., M.C.S. Wopereis, M. K. Ndiaye and M.J. Kropff. 2003. A framework to improve fertilizer recommendations for irrigated rice in West Africa. *Agricultural Systems* 76: 313–335.

Henry, M-C., C. Rogier, I. Nzeyimana, S. B. Assi, J. Dossou-Yovo, M. Audibert, J. Mathonnat, A. Keundjian, E. Akodo, T. Teuscher and P. Carnevale. 2003. Inland

valley rice production systems and malaria infection and disease in the savannah of Côte d'Ivoire. *Tropical Medicine & International Health* 8(5): 449–458.

Heuer S., K.M. Miezán, M. Sié and S. Gaye. 2003: Increasing biodiversity of irrigated rice in Africa by interspecific crossing of *O. glaberrima* x *O. sativa*. *Ephytica* 132: 31–40.

Kajisa, K. and T. Sakurai. 2003. Determinants of groundwater price under bilateral bargaining with multiple modes of contracts: a case of Madhya Pradesh, India. *Japanese Journal of Rural Economics* 5: 1–19.

Kebbeh, M. and K.M. Miezán. 2003. Ex-ante evaluation of integrated crop management options for irrigated rice production in the Senegal River Valley. *Field Crops Research* 81: 87–94.

Poussin, J. C., M. C. S. Wopereis, D. Debouzie and J. L. Maeght. 2003. Determinants of irrigated rice yield in the Senegal River valley. *European Journal of Agronomy* 19: 341–356.

Reece, J.D. and J. Sumberg. 2003. More clients, less resources: toward a new conceptual framework for agricultural research in marginal areas. *Technovation* 23 (5): 409–421.

Sahrawat, K.L., M.P. Jones, S. Diatta and M. Sika. 2003. Long-term phosphorus fertilizer effects on phosphorus uptake, efficiency, and recovery by upland rice on an Ultisol. *Communications in Soil Science and Plant Analysis* 14 (7 & 8): 999–1011.

Sumberg, J., C. Okali and D. Reece. 2003. Agricultural research in the face of diversity, local knowledge and the participation imperative: theoretical considerations. *Agricultural Systems* 76: 739–753.

Sumberg, J. 2003. Toward a dis-aggregated analysis of crop-livestock integration in West Africa. *Land Use Policy* 20: 253–264.

van Asten, P. J. A., L. Barbiéro, M.C.S. Wopereis, J.L. Maeght and S.E.A.T.M. van der Zee. 2003. Actual and potential salt-related soil degradation in an irrigated rice scheme in the Sahelian zone of Mauritania. *Agricultural Water Management* 60: 13–32.

### Books and Book Chapters

Aoubek, A., N'D. Cissé, M. Djitéye, J. Naino, A. Rouamba et M. Sié. 2003: Catalogue régional des variétés de semences vulgarisées dans les pays membres du CILSS. Institut du Sahel (INSAH)/ Comité permanent inter-Etats de lutte contre la sécheresse dans le Sahel (CILSS), Bamako, Mali. ISBN 2 9122693 27 6.

Defoer, T. 2003. Assessing changes in soil fertility management in Southern Mali using resource flow mapping and ResourceKIT. In: Struif-Bontkes T.E. and M.C.S. Wopereis (ed.) *A practical guide to decision-support tools for agricultural productivity and soil fertility enhancement in sub-Saharan Africa*. International Fertilizer Development Corporation (IFDC), Alabama, USA and Technical Centre for Agricultural and Rural Cooperation (CTA), Wageningen, The Netherlands. Pp. 24–39.

### Papers Presented at Meetings and Contributions to Proceedings

Darboe, M. L. .K., L. M., Jobe, and S. Sanyang. 2003. Identification of resistance to the African Rice Gall Midge, *Orseolia oryzivora* Harris and Gagne, in improved lowland rice cultivars in The Gambia. In: Sanyang, S., A. Ajayi and A. A. Sy (ed.) *Proceedings of the Second Biennial Regional Rice Research Review (4Rs 2002)*, 9–12 April 2002, Bouaké, Côte d’Ivoire. Africa Rice Center (WARDA), Bouaké, Côte d’Ivoire. Pp. 83–86.

Diagne, A. 2003. The diffusion and adoption of NERICA rice varieties in Côte d’Ivoire. Paper presented at the Pre-conference International Association of Agricultural Economists (IAAE) workshop on the Green Revolution in Asia and its Transferability to Sub-Saharan Africa, 13–16 August 2003, Durban, South Africa.

Furuya, J. and T. Sakurai. 2003. Interlinkage in the rice market of Ghana: money-lending millers enhance efficiency. Paper presented at the 25<sup>th</sup> International Conference of Agricultural Economists, 16–22 August 2003, Durban, South Africa.

Futakuchi, K. 2003. The current trends of NERICAs. Paper presented at the 3rd Association for International Cooperation of Agriculture and Forestry (AICAF) Seminar on African Agriculture, 17 April 2003, Tokyo, Japan.

Gridley, H.E., A. Efisue, B. Tolou and T. Bakayako. 2003. Breeding for tolerance to iron toxicity at WARDA. Paper presented at the First workshop on iron toxicity in rice-based systems in West Africa, 19–21 March 2003, Cotonou, Benin.

Gridley, H.E. 2003. The role of participatory research in increasing rice productivity to assist in reducing poverty in West and Central Africa. Paper presented at a seminar on Agriculture, Food and Water in Africa—Policy and Practice, 11–13 February 2003, Nairobi, Kenya.

Jobe, L. M., S. Sanyang and M. L. .K. Darboe. 2003. Response to some improved exotic rice varieties to the blast fungus *Pyricularia oryzae* at two sites in The Gambia. In: Sanyang, S., A. Ajayi and A. A. Sy (ed.) *Proceedings of the Second Biennial Regional Rice Research Review (4Rs 2002)*, 9–12 April 2002, Bouaké, Côte d’Ivoire. Africa Rice Center (WARDA), Bouaké, Côte d’Ivoire. Pp. 137–142.

Ndiaye, M.K., M.C.S. Wopereis, T. Defoer and D. Guindo. 2003. Amélioration de la productivité des systèmes irrigués à base de riz en Afrique de l'Ouest et du Centre: opportunités, défis et priorités. Paper presented at the InterAcademy Council (IAC)/ Conseil ouest et centre africain pour la recherche et le développement agricole (CORAF) consultation workshop, Dakar, Senegal, 10–12 February 2003.

Nwanze, K.F., A. Youdeowei and F. Nwilene. 2003. Impact of IPM on food and horticultural crops in Africa. Keynote paper. In: Bahana, J., A. Bal, D. Dakouo and C.O. Omwega (ed.) *Book of Abstracts of the 15<sup>th</sup> African Association of Insect Scientists and the 5<sup>th</sup> Entomological Society of Kenya Joint Conference on Integrated Pest and Vector Management (IPVM) in the Tropics: Perspectives and Future Strategies*, 9–13 June 2003, International Center of Insect Physiology and Ecology (ICIPE), Nairobi, Kenya.

Nwilene F.E., M.G. Saethre and O. Okhidievbie. 2003. Host plant resistance and biological control of African rice gall midge: Progress, problems and future needs. In: Bahana, J., A. Bal, D. Dakouo and C.O. Omwega (ed.) *Book of Abstracts of the 15<sup>th</sup> African Association of Insect Scientists and the 5<sup>th</sup> Entomological Society of Kenya Joint Conference on Integrated Pest and Vector Management (IPVM) in the Tropics: Perspectives and Future Strategies*, 9–13 June 2003, International Center of Insect Physiology and Ecology (ICIPE), Nairobi, Kenya.

Saethre M.G., F.E. Nwilene and O. Okhidievbie. 2003. Tritrophic interactions in rice, African rice gall midge (*Orseolia oryzivora*) and its parasitoids. In: Bahana, J., A. Bal, D. Dakouo and C.O. Omwega (ed.) *Book of Abstracts of the 15<sup>th</sup> African Association of Insect Scientists and the 5<sup>th</sup> Entomological Society of Kenya Joint Conference on Integrated Pest and Vector Management (IPVM) in the Tropics: Perspectives and Future Strategies*, 9–13 June 2003, International Center of Insect Physiology and Ecology (ICIPE), Nairobi, Kenya.

Sakurai, T. 2003. Land tenure security and investment in irrigation: evidence from lowland rice production in West Africa. Paper presented at the 25<sup>th</sup> International Conference of Agricultural Economists, 16–22 August 2003, Durban, South Africa.

Sakurai, T. 2003. Potential and constraints to intensification of rainfed lowland rice production in West Africa. Paper presented at the Pre-conference International Association of Agricultural Economists (IAAE) workshop on the Green Revolution in Asia and its Transferability to Sub-Saharan Africa, 13–16 August 2003, Durban, South Africa.

Sanyang, S. 2003. Strengthening national agricultural research systems in Africa through collaborative research networks. In: Sanyang, S., A. Ajayi and A. A. Sy (ed.) *Proceedings of the Second Biennial Regional Rice Research Review (4Rs 2002)*, 9–12 April 2002, Bouaké, Côte d'Ivoire. Africa Rice Center (WARDA), Bouaké, Côte d'Ivoire. Pp. 3–8.

Séré, Y. et B. Koné. 2003. Biotechnologie et biosécurité en protection des plantes : enjeux et opportunités pour une agriculture durable en zone sahélienne. Paper presented at the workshop on Sustainable agriculture in the Sahel: lessons and opportunities for action. Organisé par Institut du Sahel (INSAH), Institut d'économie rurale (IER) et Syngenta Foundation, Bamako, Mali, 1–5 Décembre 2003.

Sié, M. 2003. Les NERICA ou le nouveau riz pour l'Afrique en riziculture de bas-fond. Paper presented during Journée du riz, 6 June 2003, Bobo-Dioulasso, Burkuna Faso.

### **Africa Rice Center (WARDA) Publications 2003**

*Cisadane: Gall midge tolerant variety released in Nigeria as FARO 51 in 1998.* Africa Rice Center (WARDA), Bouaké, Côte d'Ivoire, 6 p.

*NERICA on the move.* Africa Rice Center (WARDA), Bouaké, Côte d'Ivoire, 6 p.

*NERICA en plein essor.* Africa Rice Center (WARDA), Bouaké, Côte d'Ivoire, 6 p.

*Essence of Africa Rice Center (WARDA): January–March 2003.* (Quarterly newsletter). Africa Rice Center (WARDA), Bouaké, Côte d'Ivoire, 4 p.

*Esprit—le Centre du riz pour l'Afrique (ADRAO): Janvier–Mars 2003.* (Quarterly newsletter). Africa Rice Center (WARDA), Bouaké, Côte d'Ivoire, 4 p.

*Essence of Africa Rice Center (WARDA): April–June 2003.* (Quarterly newsletter). Africa Rice Center (WARDA), Bouaké, Côte d'Ivoire, 4 p.

*Esprit—le Centre du riz pour l'Afrique (ADRAO): Avril–Juin 2003.* (Quarterly newsletter). Africa Rice Center (WARDA), Bouaké, Côte d'Ivoire, 4 p.

*Essence of Africa Rice Center (WARDA): July–September 2003.* (Quarterly newsletter). Africa Rice Center (WARDA), Bouaké, Côte d'Ivoire, 4 p.

*Esprit—le Centre du riz pour l'Afrique (ADRAO): Juillet–Septembre 2003.* (Quarterly newsletter). Africa Rice Center (WARDA), Bouaké, Côte d'Ivoire, 4 p.

*WARDA/NARS Partnership: An African Success Story. Report of the Third Biennial WARDA/National Experts Committee Meeting, 11–3 June 2002, Bouaké, Côte d'Ivoire.* Biennial WARDA / National Experts Committee Meeting Report no. 3. Africa Rice Center (WARDA) Bouaké, Côte d'Ivoire.

*Strategic Plan 2003-2012.* Africa Rice Center (WARDA) Bouaké, Côte d'Ivoire, 56 p.

*Proceedings of the Second Biennial Regional Rice Research Review (4Rs 2002), 9–12 April 2002, Bouaké, Côte d'Ivoire.* Sanyang, S., O. Ajayi and A.A. Sy (ed.) Africa Rice Center (WARDA) Bouaké, Côte d'Ivoire, 172 p.