EVALUATION AND RELEASE OF ORANGE-FLESHED SWEETPOTATO (IPOMEA BATATAS L.) VARIETIES IN THE ANGOLAN HIGHLANDS

Britta Kowalski1, S. Chicundi2, Eduardo Gomes2, Conceição Maliti2, Moniz Mutunda2, Alberto Ferreira Londa2, Maria Andrade1, Mpanzo Domingos2
1 Centro Internacional da Batata (CIP)
2 Instituto de Investigação Agronómica (IIA)

Integrated Research and Development Project for Production and Marketing Systems of Banana, Manioc, Sweetpotato, and Potato in the Provinces of Uíge, Kwanza Norte, Huambo, and Huila in Angola

This project is a five year initiative implemented by the International Potato Center (CIP) and the Agronomic Institute of Ressia (IIA) in collaboration with public and private partners. Main objective is the sustainable increment of the economic contribution of four vegetatively propagated crops – banana, cassava, sweetpotato, potato – for improved food security and diets of the communities with Vitamin A-rich foods as well as increasing the income of the farmers and poverty reduction in the rural areas of 4 provinces with diverse agro-ecologies: Uige, Kwanza Norte, Huambo and Huila.

Materials and methods

A total of 167 advanced orange-fleshed sweetpotato (OFSP) clones and varieties were introduced into Angola from CIP Mozambique in 2008. The clones were evaluated in four areas in the highland region: Huambo province (Chianga), Huila province (Humpata and Chibia), Kwanza Norte (Quilombo) and Uige (Candande Lowé).

Results

28 OFSP clones and varieties were selected in 2012 for further multiplication and distribution to farmers.

Discussion and conclusions

The farmers and consumers participating in the evaluation selected nine varieties (Zapallo, Nemanete, LO326 (Camuto), LO323 (Cenoura), MUSG13 (Helena), Musg 21 (Lombe), Musg 26 (Morena), Huambachero and Mayai (Banza Luanda) based on market demand and taste of cooked roots. Seven varieties were proposed for release by the Instituto de Investigação Agronómica (IIA), the research institute of the Ministry of Agriculture (MINAGRI) for production in Angola in 2012. The selected varieties were multiplied using conventional and rapid multiplication techniques in 223 decentralized plots and 7 centralized fields. The project also developed and promoted OFSP products such as Golden Bread, juice and other bakery products.

References


Acknowledgements

Programa de Revitalização de Angola (Program for the Revitalization of Angola), via Fundo do Bono Social do Consórcio do Bloco O – financed by Chévron-Sonangol