

Title	Developing a broad soybean germplasm base and durable resistance to soybean rust disease in Uganda
PI	Dr Phinehas Tukamuhabwa Department of Crop Science, Makerere University P.O. Box 7062, Kampala, Uganda Tel: +256 41 533580/540640 Fax: +256 41 531 641 Email: p.tuka@agric.mak.ac.ug
Co-researchers	Dr Geoffrey Tusiime Department of Crop Science, Makerere University P.O. Box 7062, Kampala, Uganda Tel: +256 41 533580/540640 Fax: +256 41 531 641 Email: gtusiime@agric.mak.ac.ug Dr. Kawuki Robert National Crops Resources Research Institute (NaCRRI) P.O. Box 7084, Kampala, Uganda Tel:+256 41 4573016; Email: kawukisezi@yahoo.com
Purpose	To develop genotypes with broad and durable resistance to soybean rust disease. This package will ensure sustained and or increased soybean production and productivity in Uganda.
Project Summary	Soybean rust has emerged as a major threat to soybean production in Uganda and many other countries. The disease has dented the success realised by the Uganda soybean programme in developing resistant varieties Maksoy 1N, Maksoy 2N and Namsoy 4M due to specific resistance break down. This calls for broadening of the genetic base of local breeding material to be able to cope with soybean rust which is expected to be more severe in countries where it is endemic. Several other strategies can be implemented to control soybean rust. These include germplasm enhancement and breeding for durable resistance. Accordingly, this proposal seeks to use durable partial resistance to select candidate genotypes to incorporate into the breeding programme. Key outputs of the research will include resistant genotypes, inventories of genetic variability present in the available soybean germplasm and rust races in Uganda. In addition the study will train 2 MSc students.
Country and Specific Location(s)	National Agricultural Crops Resources Research Institute (NaCRRI) in central Uganda, Makerere University Agricultural Research Institute, Kabanyolo. Mayuge, Kamwenge, Apac, Lira and Budaka districts.
Participating Institutions	NaCRRI and VODP Makerere University and NARO
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