

Advances 1. More knowledge about Fe and Zn concentrations in Sweetpotato especially in OFSP 2. NIRS (Near-Infra-Red Reflectance Spectroscopy) Rapid screening method for enhancing Nutrition and Quality Traits (ß-carotene, ß- cryptoxanthine, Luteine, Zeaxanthine, Fe, Zn, Ca and Mg) 3. Linking Quality Analysis in East- & Southern Africa with the Quality Lab. at CIP-Peru Sweetpotato Freeze drying capacity and Training roots and leaves provide health 4. <u>Selection of 3-4 OFSP Varieties for East Africa</u> with elevated dry matter & virus tolerance (Robert Mwanga) Collection and Evaluation of OFSP landraces in East 5. Africa (Regina Kapina) Distribution of 55 + 26 OFSP clones to different world regions – OFSP seeds – OFSP from crossing with 6. SPVD resistance **CIP** Sweetpotato CIP / WG 2006









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About 80 OFSP clones are currently shipped to different regions of the word with information about &-carotene, iron and zinc contents – however, no attempts will be made for introduction into Eastern Africa (SPVD pressure)

Seeds from controlled crossings 250 – 300 families available from 1044 cross combinations – about 30,000 seeds in total – families will be tested in Peru and SSA

Elite Crossings (Replication of best cross combinations) 4 families available with about 400 seeds per cross combination – for Brazil and Mozambique

Seeds with SPCSV resistance alleles 22 families available; currently conducting a backcross with this new source of resistance (RRRR? X rrrrr) X rrrrr. Target is to link orange flesh sweetpotato with SPVD resistance

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