

ACCELERATING ORANGE-FLESHED SWEETPOTATO (OFSP) VALUE CHAIN DEVELOPMENT FOR NUTRITION AND LIVELIHOODS IN AFRICA

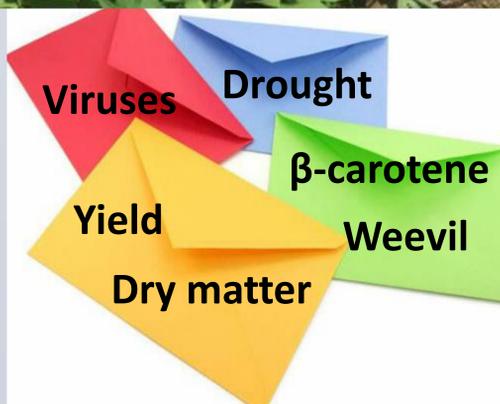
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Introduction

Breeding is the science driven creative process of developing new plant varieties and involves creation of multi-general populations with new combinations of specific desirable traits. It is the core of sweetpotato value chain and carries a great responsibility. Breeding programs should therefore seek to apply technologies and innovations widely for sweetpotato selected value chains, to competitively and sustainably increase productivity; and contribute to agricultural growth, nutrition and food security in Africa. Programs should therefore enhance the overall economic welfare of farmers, producers and marketers throughout the value chain. The stronger the links among these different parts, the better the whole system will function.

The goals of a sweetpotato breeder remains the same



The breeders priority agronomic traits are in different varieties and some may not combine in one variety

Marketing, Processing and Utilization

CoP wish list

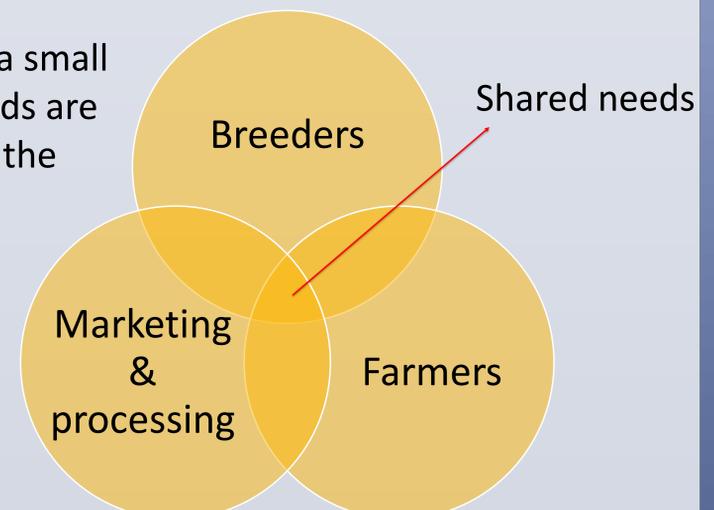


Size and shape population catalogue (photo credit: D. Gemenet)

- ❖ Storability
- ❖ Shape
- ❖ Size
- ❖ High β carotene
- ❖ High starch
- ❖ Dry matter content
- ❖ Easy to peel

Marketer, processing and utilization community need all traits in one basket for their products or use

However only a small percent of needs are shared among the three



Active networking and steady exchange of information and knowledge between science, breeding and farming practices play a key role in creating synergies and achieving economies of scale, while avoiding overlaps and making outcomes more accessible to end-users. Such networks lead to better coordination and offer opportunities for innovation, while building on shared needs

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