

Reaching the Next Generation: Getting OFSP Materials into Primary Schools

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Development for Sweetpotato in Africa, Nairobi, Kenya***

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Partners (Project is in Uganda and Tanzania)

- **Implementing partner:** Sugarcane Research Institute (SRI)–Kibaha, Ministry of Agriculture, Food Security, and Cooperatives, and
- **Collaborating partners:**
 - (1) National Crops Resources Research Institute, Namulonge (NaCCRI/ NARO)–Uganda;
 - (2) International Institute of Tropical Agriculture–East Africa Regional Hub (IITA–Tanzania);
 - (3) Sokoine University of Agriculture–Tanzania;
 - (4) Lake Zone Agricultural Research and Development Institute–Ukiriguru (LZARDI)–Tanzania;
 - (5) Mikocheni Agricultural Research Institute (MARI)–Tanzania;
 - (6) Agricultural Non State Action Forum (ANSAF)–Tanzania;
 - (7) IDinsight–Uganda; and
 - (8) Makerere University–Uganda
 - (9) International Potato Center (CIP) -Uganda

Fast-Tracking the Access to Improved and Popular Varieties of Root Crops by Small Holder Farmers: A Case of Sweetpotato and Cassava

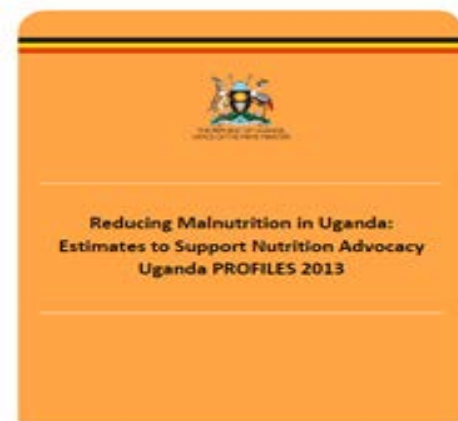
- The project has five components
 - 1. Seed acquisition and agronomy
 - 2. Nutrition and gender
 - 3. **Communication, policy and advocacy**
 - 4. Monitoring and evaluation and cost effectiveness of the approach
 - 5. Partnership and governance



Component 3: Communication, Policy and Advocacy

- **[Fast Track Objective 5:** To document the process and capture the learning as an evidence-based **advocacy** approach for **policy** influencing (nutrition, **curriculum development**, market, para professionals), resource mobilization and scaling up]
- **CIP Specific objective:** Introduce orange-fleshed sweetpotato in the primary school curriculum of Uganda

The Problem and Communicating it!

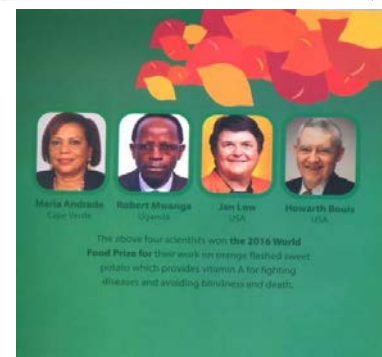
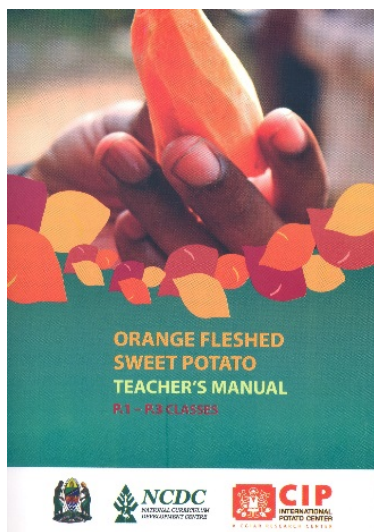


Vitamin A deficiency prevalence, Uganda
Children 6-69 months 32.6%

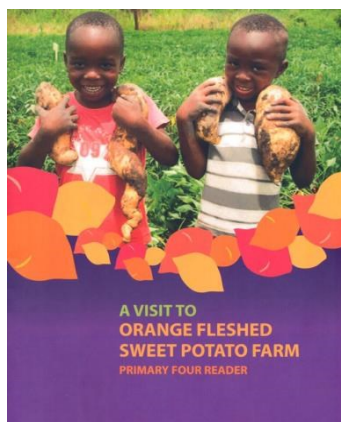
Nutrition problem	Number of deaths that would result if the current situation continues		Number of lives that would be saved if nutrition situation improves
	Status quo scenario	2013–2025	Improved scenario 2013–2025
Child deaths/lives saved	221,430		60,923
Per day	51		14

<http://www.fantaproject.org/sites/default/files/resources/Uganda-PROFILES-Final-Report-Sep2014.pdf>

Approved Curriculum Supplementary Support Materials



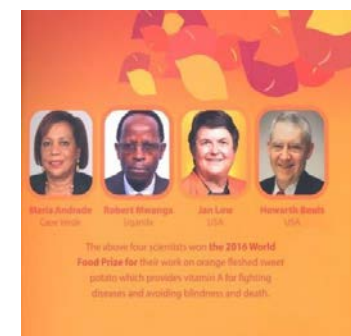
Primary (P) 1-3



P 4



P 5



P 5-7

Teachers' Orientation on the Four OFSP Materials

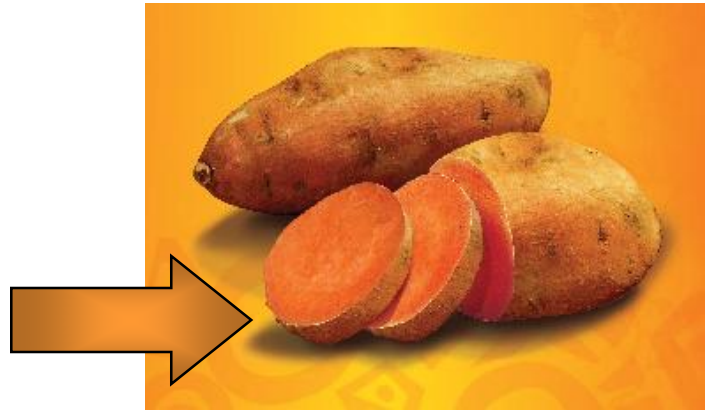
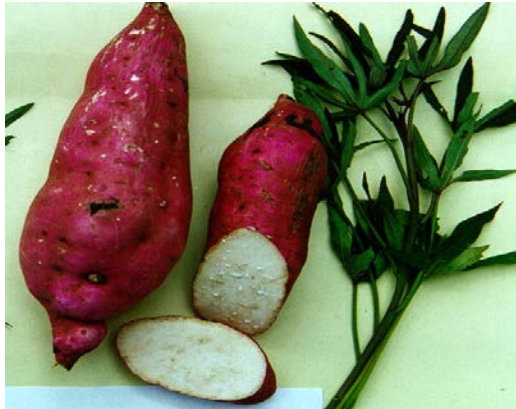


OFSP = Orange-fleshed sweetpotato

Presentation to the Basic Education Working Group, Ministry of Education and Sports



Investing in orange fleshed sweetpotato could save lives



125 gms of
boiled root
meets the
daily vitamin A
needs of a
young child

- Dominant varieties in SSA are white-fleshed, lacking in beta-carotene
- Vitamin A is an essential micronutrient for a strong immune system & good eyesight
- Prevalence of vitamin A deficiency among young children is very high (48% in SSA)
- Animal sources of vitamin A are expensive
- Sweetpotato is widely grown in SSA, and women dominant in its production

Approval stages in incorporating orange-fleshed sweetpotato in the Uganda national primary school curriculum

Stage of Approval	Date 2017	Number Persons Involved
1. Quality assurance	March	10 curriculum specialists
2. Academic Steering Board	March	24 members (8 members of the Governing Council; 6 members of the NCDC; 2 members of Uganda National Examinations Board (UNEB); 2 members of the Directorate of Education Standards; 2 members from teacher education; 2 co-opted subject matter specialists; 2 pedagogy specialists)
3. National Curriculum Development Center (NCDC) Governing Council	May	A 38-member council comprising senior educators, academicians, and CEOs of cooperating organizations
4. Ministry of Education and Sports (MoES) - Basic Education Working Group (BEWG)	August	A 35-member committee drawn from development partners, senior education ministry officials, curriculum specialists, examination officials, and teacher educators

Approval Process for Curriculum Implementation



Selected pupils to read text from the P4 Book at Bugolombe, P. School, Mukono District – during monitoring exercise



Presentation of Curriculum Support Materials to the Minister of State for Primary Education

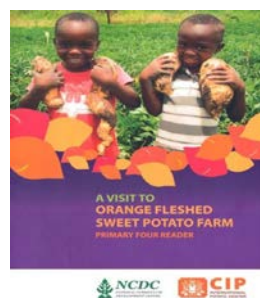
Process involved development of supplementary support materials (books) for curriculum implementation, **alpha testing**, approval and **pilot testing**, using 35 experimental and 5 control schools in the districts of Mukono, Wakiso and Kamuli

Progress

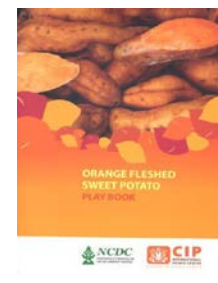
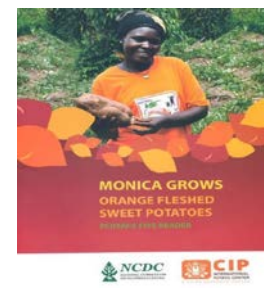
- The Ministry of Education and Sports (MoES) approved in August 2017 the implementation of integration of OFSP in the Uganda National Primary School Curriculum as developed by the National Curriculum Development Centre (NCDC), CIP and other stakeholders.
- A total 80 schools in Mukono, Wakiso and Kamuli districts received OFSP books (all schools which received vine cuttings from NARO)
- Books were delivered in August 2018 to the Ministry of Agriculture, Animal Industry and Fisheries (MAAIF) to cover 550 schools under the Multi-sectoral Food Security and Nutrition Project (UMFSNP) funded by the World Bank; this project has 1,500 primary schools in 15 districts.



***Teacher's manual,
2 copies per school***

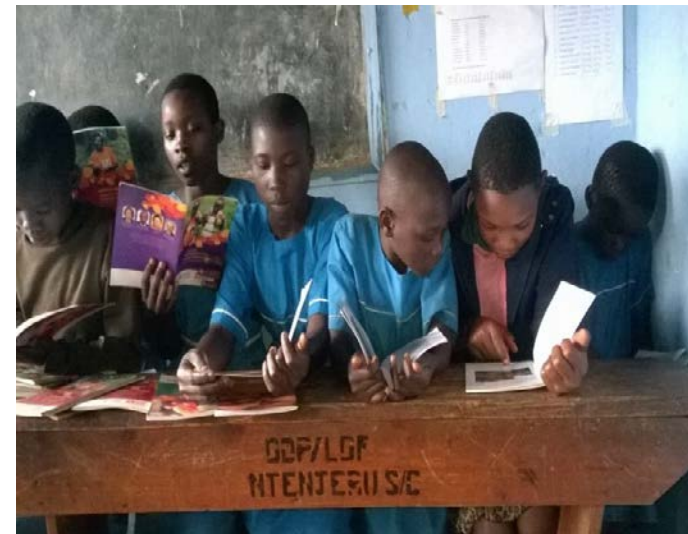


***20 copies of each book per school
(ratio, 1 book to 3 pupils)***



Critical gaps and next steps

- Uganda has 23,000 primary schools. The supplementary materials for implementation of the curriculum need to be printed and science teachers and the head teachers from those schools need orientation and budget support.
- The approach used is expected to contribute to reduction of vitamin A deficiency; can be modified to include other biofortified crops, e.g. high-iron beans and pearl millet, high-vitamin A cassava and maize, and high-zinc rice and wheat.



Scaling to reach all schools in Uganda

- Continue to seek funds from donors
- Apply to Government of Uganda to include implementation of the curriculum in the 2019/2020 financial budget: Project approach through the National Agricultural Research Organization (NARO) Secretariat, Sector Working Committee of Ministry of Agriculture Animal Industry and Fisheries (MAAIF), Ministry of Finance (MF), and Development Committee MF.



Thank you for your attention



CIP

INTERNATIONAL
POTATO CENTER

A CGIAR RESEARCH CENTER



RESEARCH
PROGRAM ON
Roots, Tubers
and Bananas



NCDC

NATIONAL CURRICULUM
DEVELOPMENT CENTRE

