



As the largest employer in the world **agriculture is critical to turning the tide against poverty.** At the International Potato Center (CIP), we work along each link of the value chain to develop opportunities from getting planting materials of highly productive and nutritious varieties into the hands of farmers to looking at multiple uses of the plant itself for diversified diets and income.



AGRICULTURE AND POVERTY STATISTICS

1 BILLION+ PEOPLE live on less than a \$1 a day

130 MILLION poor people rely on potato and sweetpotato for food security

86% of the population in the developing world makes living from agriculture

3.5 TRILLION a year, cost of malnutrition on the global economy

Papa Andina: Mining the Past Reaps Plentiful Opportunities

In Peru, the birthplace of the potato, abundant native potatoes were seen as a poor man's food. CIP teamed up with 20 organizations to promote innovations that benefit smallholder farmers and make the market chain more competitive.

+4000 native potatoes varieties, mostly found in the Andes

20+ product lines from chips to mashed potatoes developed with small and large manufacturers

159% increase in value of sales for native potatoes from 2000 to 2011

Modern Potato Varieties Relieve Burden on Hunger, Poverty in Asia

With a population of 4.436 billion and growing, Asia faces a tremendous food security challenge. Climate change coupled with poor agricultural practices require modern high producing varieties designed to face evolving challenges in the region.



Almost half world's potato supply consumed in Asia.

1.24 MILLION ha hectares Chinese potato area planted with CIP related varieties

33% of potato varieties released in Southeast and South Asia are CIP-related



Rwanda: From Overlooked Root to Model Crop

When CIP introduced Orange Fleshed Sweetpotato (OFSP) into the Rwandan market it was not a government promoted crop. Now a seed system developed through CIP trained Decentralized Vine Multipliers (DVMs) supply OFSP planting materials across Rwanda and branded OFSP stalls can be found in shops and markets across the country.

2-3 planting windows per season give farmers a prolonged and staggered harvest

TON x ha
12-18 tons per hectare for improved varieties vs. 3-5 tons traditional

443,862 households reached with OFSP planting materials as of 2017

OFSP: Diverse Uses, Diverse Opportunities

Beta-carotene rich OFSP not only provides a nutritional infusion that fortifies families against Vitamin-A Deficiency it offers multiple uses for consumption and commerce.

+678,000 families received sweetpotato vines in Sub-Saharan Africa from July 2015-June 2016

15-20% increase in milk production for animals consuming OFSP silage

<3 months post planting leafy greens ready for consumption at **90 days** roots can be eaten

