

NCPN Sweetpotato Clean Plant Centers



Louisiana State University Agricultural Center Sweetpotato Foundation Seed Program (SPRS), Chase, LA and (PPCP) Baton Rouge, LA

- » Virus testing and elimination
- » Maintains nuclear stocks in tissue culture
- » Propagates and disseminates clean plant materials of LSUAC cultivars important to Gulf South growers – Bayou Belle, Beauregard, Bellevue, Evangeline, and Orleans as well as select heirloom cultivars
- » Conducts research on virus identification and detection
- » Leader in the development of new cultivars and disease and insect management
- » Conducts outreach programs

North Carolina State University, Micropropagation and Repository Unit, Raleigh, NC

- » Virus testing and elimination
- » Maintains nuclear stocks in tissue culture and greenhouse
- » Propagates and disseminates clean plant materials of NCSU, LSUAC and USDA cultivars important to North Carolina growers
- » Conducts research on virus identification and detection
- » Leader in the development of new cultivars and disease and insect management
- » Conducts outreach programs

University of Arkansas at Pine Bluff, Sweetpotato Foundation Seed Program, Pine Bluff, AR

- » Virus testing and elimination
- » Propagates and disseminates clean plant materials important to Arkansas growers
- » Conducts outreach programs

Foundation Plant Services, University of California, Davis, CA

- » Virus testing and elimination
- » Maintains nuclear stocks of cultivars important to California growers
- » Propagates and disseminates clean plant materials of cultivars important to California growers

University of Hawaii at Manoa, HI

- » Virus testing and elimination
- » Developing foundation collection for Hawaiian heirloom and commercial accessions
- » Conducts outreach programs

Mississippi Agricultural and Forestry Experiment Station, Foundation Sweetpotato Program, Pontotoc Ridge-Flatwoods Branch Experiment Station, Pontotoc, MS

- » Maintains foundation greenhouse and propagates clean plants
- » Maintains virus-tested tissue culture stock of commercially significant cultivars
- » Propagates and disseminates clean slips to seed growers
- » Conducts outreach programs



NCPN SWEETPOTATO

National Clean Plant Network Sweetpotato



About the National Clean Plant Network (NCPN)

Established in 2008 and supported by the US Department of Agriculture, the NCPN is a national network of clean plant centers, scientists, educators, regulators and industry representatives who are concerned with the health of vegetatively propagated specialty crops.

nationalcleanplantnetwork.org



Start clean, stay clean. ncpnsweetpotato.org

Sweetpotato

National Clean Plant Network



Chlorotic spots on sweetpotato leaves are caused by a complex of four potyviruses that are common in the U.S.

What is the NCPN-Sweetpotato?

The National Clean Plant Network for Sweetpotato is an association of clean plant centers, scientists, educators, state and federal regulators, certified seed growers, and commercial growers from the fresh market and processing industries concerned with the health of planting stock (seed roots and vine cuttings). It joined the NCPN specialty crops network in 2015. The network operates under the umbrella of the United States Department of Agriculture (USDA).



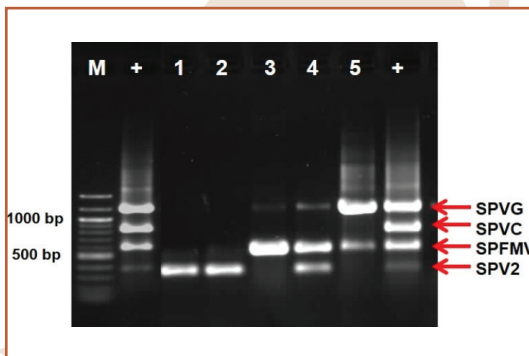
Sweetpotato virus diseases commonly reduce yield, depending on cultivar and viruses by as much as 25 to 40%. They also reduce quality in several ways including by causing russet crack seen here.



Viruses are eliminated by meristem-tip culture.



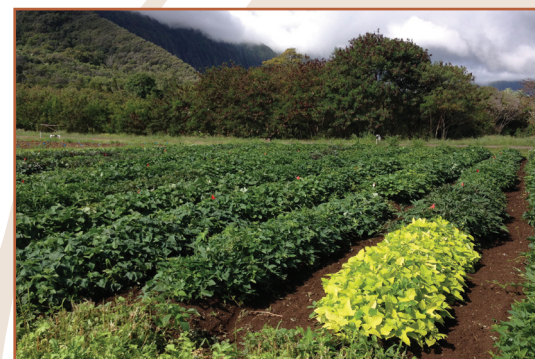
Plants are rigorously tested for viruses using testing standards that are the strictest possible.



If a plant is infected with a virus, a bright band appears.



Foundation stock is propagated in carefully controlled greenhouses and monitored for diseases.



Clean, tested propagation material is provided to certified seed growers, commercial growers and other clean plant centers throughout the United States and world.



The final product – attractive, high-yielding sweetpotatoes.

Production of sweetpotato crops starts with clean plant material. Clean plants are easier to propagate, and produce greater yields and higher quality sweetpotatoes.

May 2016