The National Clean Plant Network is an association of clean plant centers, scientists, educators, state and federal regulators, large and small nurseries, and growers of specialty crops that work together to ensure that plant propagation material is clean and available. The Network helps U.S. agriculture remain internationally competitive in two essential ways:

» Providing a safe, quick, and cost-effective conduit for securing promising new cultivars

» Preventing the introduction of pathogens from domestic and imported sources.

Our specialized centers focus on the needs of nurseries and growers. Clean plant centers and programs are hosted by universities across the United States and staffed by scientists and educators who are committed to sustainable agricultural practices.

Virus diseases in specialty crops reduce yield and quality. Once plants are infected, there is no cure. Viruses are easily spread through infected planting stock and often not noticed until a crop is established.

Citrus is susceptible to many diseases caused by viruses and other graft transmissible pathogens. These diseases severely limit tree growth and reduce yields.

Mission Statement

The Network produces and distributes asexually propagated plant material free of targeted graft transmissible plant pathogens to ensure the global competitiveness of specialty crop producers and to protect the environment.

The Economic Benefits of starting a planting with clean stock are huge. For example:

In grapevines, the benefits of starting with clean grapevine planting stock have been documented in the Northcoast region of California to exceed $50 million annually. In New York’s Finger Lakes region, planting clean plants could raise net economic returns by $9,693 to $16,014 per acre over the 25-year life of the vineyard by eliminating grapevine leafroll virus.

In fruit trees the economic benefit to nurseries, producers, and consumers that used material from one clean plant center in Prosser, WA was approximately $227 million annually based on projected yield loss and quality decline.
A clean plant is one that has tested free of damaging viruses and other virus-like pathogens. Clean plants are key to high quality crops and cost effective, sustainable agriculture.

NCPN Clean Plant Centers improve the health and productivity of specialty crops in the U.S.

**Distribution.** Clean, tested propagation material is provided to nurseries and growers throughout the United States.

**Foundation plantings.** Extensive collections are established, maintained and regularly monitored for disease.

**Importation.** New cultivars are imported and then quarantined to reduce the risk of introducing pests and diseases that can be difficult and costly to control.

**Therapy.** Viruses are eliminated using microshoot tip culture.

**Retention.** Tissue culture plants of G1 berries are held at 4°C for long-term storage.

**Diagnostics.** Plants are rigorously tested for viruses using laboratory and field tests. Network members develop state-of-the-art techniques for detecting pathogens as well as establish diagnostic guidelines and standards.

NCPN was established in the 2008 Farm Bill.

**NCPN-Fruit Trees**  
» Since 2008  
» ncpnft.org

**NCPN-Grapes**  
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**NCPN-Citrus**  
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**NCPN-Berries**  
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**NCPN-Roses**  
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**NCPN-Sweetpotato**  
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