

National Clean Plant Network

***INNOVATIONS IN PEST
RISK MANAGEMENT***

CASE STUDIES by Country



*Nate Nourse, Sales Director, Nourse Farms Inc.
David Prokrym, NCPN Management Team*



What is NCPN?

A voluntary association of clean plant centers to promote the production, maintenance and use of pathogen-tested, vegetatively propagated plant material for specialty crops in the United States

NCPN core activities?

- **Sustain network of collaborating clean plant centers**
- **Centers focus on diagnostic and pathogen elimination services**
- **Produce clean propagative plant material**
- **Centers maintain blocks of pathogen-tested plant materials in sites throughout the USA**

How is NCPN funded?

Dear NAPPPO Members,

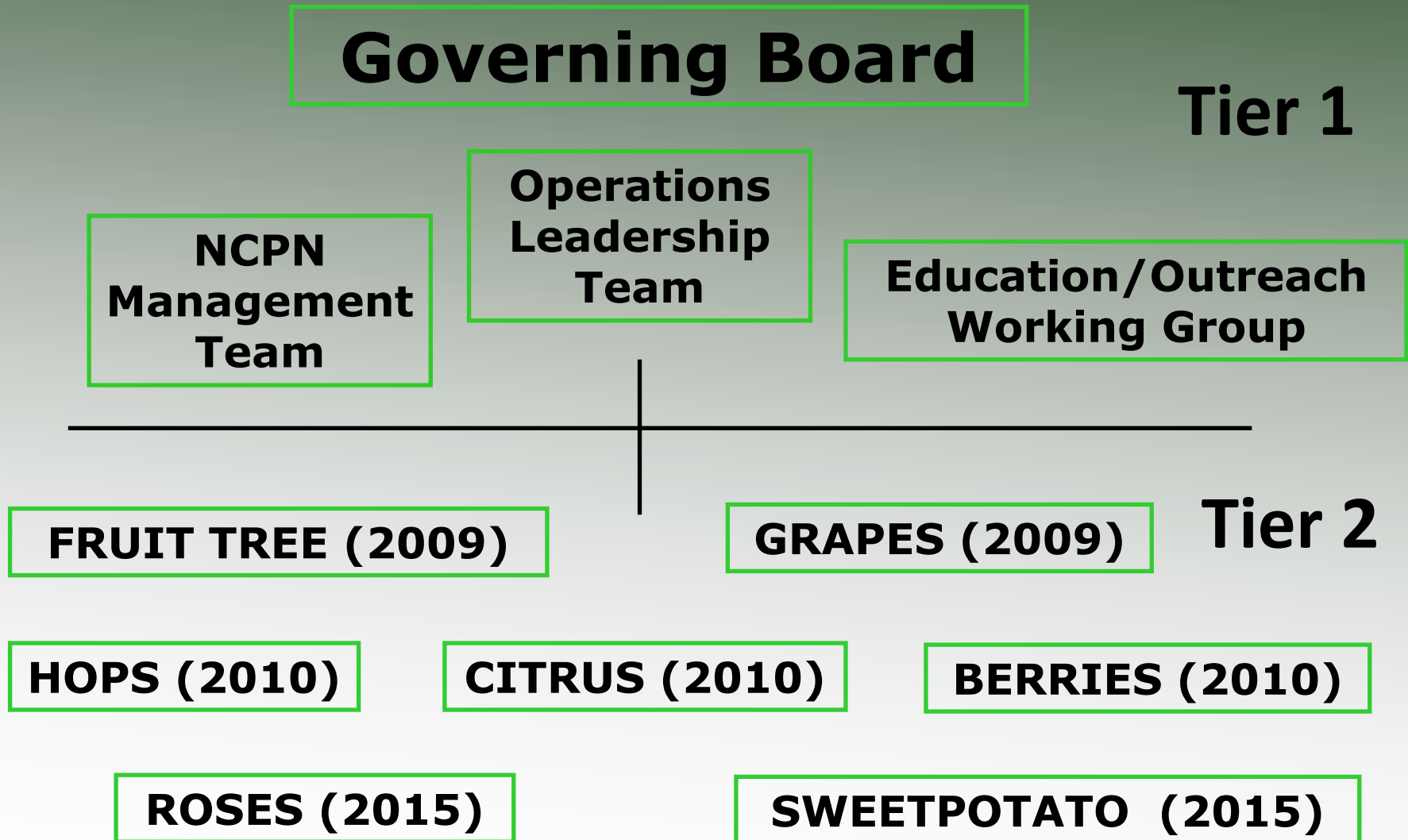
**As of September 2015 the
Network has expended**

\$29,361,883

Respectfully submitted,

Erich S. Rudyj

How is NCPN organized?





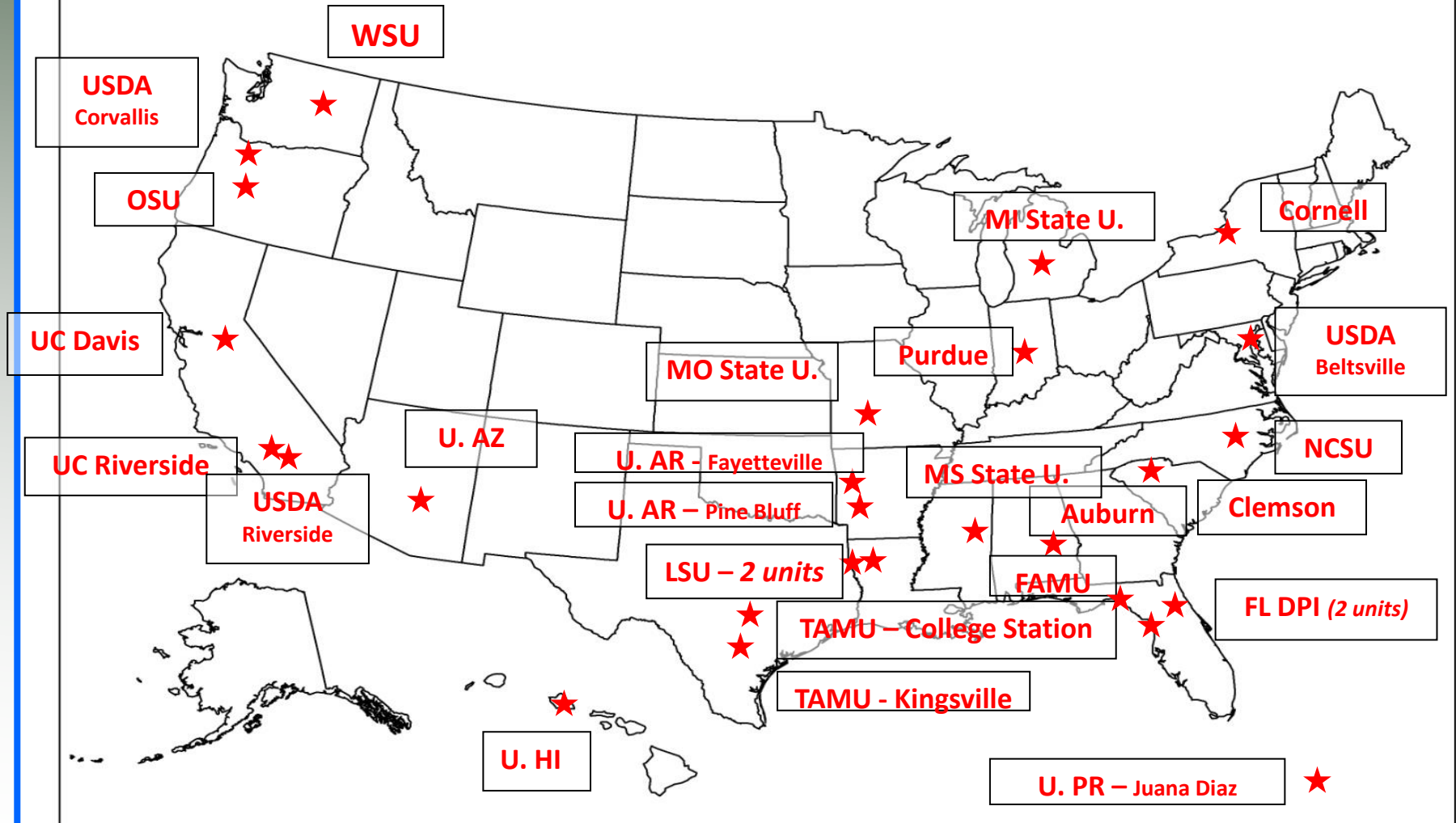
Which crops?

Specialty crops generally restricted for entry into the USA:

- **Fruit Trees** – Stone, Pome Fruits, Ornamentals
- **Grapes** – Table, Raisin, Juice, and Wine Grapes
- **Citrus** – All Types
- **Berries** – *Fragaria*, *Rubus*, and *Vaccinium*
- **Hops** – Reclaiming the 'historical' range
- **Roses** – Several Types >>> Industry Interest
- **Sweetpotato** – Food Crops and Ornamentals

Which cooperators? Where?

NCPN Clean Plant Centers and Programs



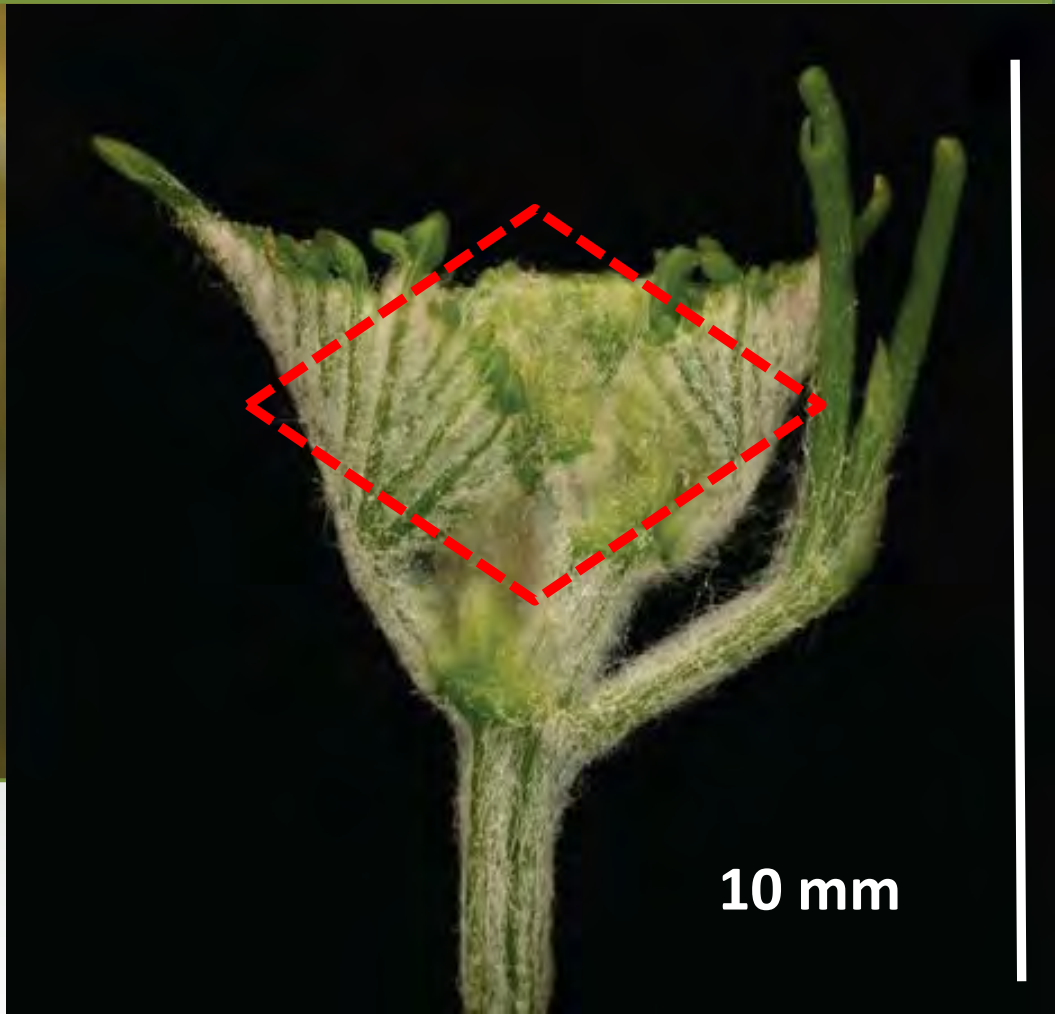
Benefits?



- Provide clean, tested propagation stock to nurseries throughout the United States
- Develop state of the art techniques for detecting pathogens



Benefits?



- Eliminate viruses (e.g., using heat therapy and microshoot tip culture)



All photos by UC Davis

Benefits?



- Import and quarantine new varieties of interest to growers
- Rigorously test mother plants using standards that are often stricter than state and federal requirements

Benefits!

Fruit Trees

- **2,000** accessions maintained in the Foundation; delivered over **350,000** cutting/scions/plantlets & over **1.2 million** buds to nurseries & growers

Grapes

- **625,000** - Number of Clean Cuttings, Buds, Plants, or Special Seed Distributed to Industry

Berries

- Foundation material used by industry to produce **20-30 million** clean plants **annually**

Citrus

- Over **230 million** citrus trees produced from 'clean plant' material in last five years

Hops

- Over **30%** of the World's hops come from the USA –the major source of clean plant material



Start clean, stay clean

NCPN

**National Clean
Plant Network**