National Clean Plant Network (NCPN)

A General Update

Grapes Clean Plant Network – Tier 2 Meeting

University of California at Davis
November 13, 2009

Erich S. Rudyj, M.Sc.
Coordinator - Horticulturist

USDA - National Clean Plant Network (NCPN)

November 2009
What is the National Clean Plant Network (NCPN) Mission

NCPN Mission

The NCPN provides high quality asexually propagated plant material free of targeted plant pathogens and pests that cause economic loss to protect the environment and ensure the global competitiveness of specialty crop producers.
What is the National Clean Plant Network (NCPN) - Process

NCPN Process

- Develop and Support Networks of University, State, and Federal Clean Plant Centers
- Focus on ‘starter material’ of high value, asexually propagated specialty crops
- Diagnose and treat for certain plant pathogens and pests
- Establish clean material in foundation plantings available to industry for further propagation
- Encourage certified nursery systems to help ensure material remains clean

November 2009
How Does the National Clean Plant Network (NCPN) Function

NCPN Functions

- Networking and Coordination
  - Program Governance / Harmonization / Standards
- Diagnostics and Therapy
  - Small Quantities / High-Value Material / Clean-Up
- Foundation Blocks and Distribution
  - Industry Oriented

November 2009
FARM BILL 2008

Food, Conservation, and Energy Act of 2008 Sec. 10202
National Clean Plant Network

• Establishment - USDA shall establish ‘Nat’l Clean Plant Network’ for pathogen diagnosis and elimination

• Products - Clean plant material made available to States for certification programs; and to private nurseries/producers

• Consultation - Consult w/State Depts. of Agric. and Universities

• Cooperation - Use existing Federal/State clean plant centers

• Funding - $5m/yr. x 4 years ($20m total) till expended

November 2009
NCPN – Benchmarks > 2005 - 2010

• Existing U.S. Clean Plant Programs met at UC-Davis to Discuss Early NCPN goals - 2005
  – Establish Regional Clean Plant Centers
  – Initially focus on fruit crops
  – Secure sustainable funding

• NCPN Steering Committee - 2006
  – Identify and draft initial NCPN goals/objectives
  – Report on history of existing clean plant programs
  – Propose national workshop with a broader audience

• NCPN Workshop – May 2007
  – Discuss/refine goals and objectives
  – Draft Mission and Vision Statements
  – Draft a Strategic Plan

November 2009
NCPN – Benchmarks > 2005 - 2010

- NCPN Implementation 2008-2009
  - Farm Bill 2008
  - Stop-Gap Agency Funding Sources

- NCPN Governance Forming 2008-2009
  - Governing Bodies Formed and Operational
  - Core Working Group and Tier 1 National Body
  - Tier 2 or Tier 3 Commodity Bodies Chartered
    - Grapes
    - Tree Fruits (Pomes and Stone Fruits)

- NCPN General Meeting – March 2009
  - Federal MOU – Signed
  - National Governance Body Roll-Out
  - Develop the Business Plan

November 2009
NCPN – Benchmarks > 2005 - 2010

- NCPN Citrus Clean Plant Network (C-CPN) – 2009
  - AZ, CA, FL, NM, TX and other States begin forming the C-CPN
  - Meet for 1st time in Lake Alfred, FL

- NCPN Cooperative Agreements Program - 2009
  - Request for Proposals (RFP) Issues > June 2009
  - Proposals Received, Reviewed and Funded > Sept. 2009
  - $3.1 million provided to stakeholder clean plant centers

- NCPN Berries Clean Plant Network (B-CPN) – 2009/2010
  - Strawberries, Blueberries/Cranberries, and Cane Fruit
  - Meet for 1st time in St. Louis, MO

November 2009
NCPN Major Challenges FY 2010

- Secure Funding for FY 2010/2011
- Finalize and Publish the NCPN Strategic/Business Plan
- Review and Revise the NCPN RFA for FY 2010
  - Improve the Tier 2 Pre-Proposal Review Process
- Build 2-3 New Specialty Crop Networks
  - Citrus, Berries, Hops
- Resolve 2 Significant NCPN ‘Critical Issues’
  - Grapes ‘East’ Foundation Block
  - National (and Local) Education/Outreach Program
- Determine the NCPN Role in Nursery Certification Issues
  - Fruit Trees (and now Grapes?)

November 2009
NCPN Governance – November 2009

Tier 1

3 Agency Federal Core Working Group

5-7 Member Governing Board

NCPN Governing Board

Tier 2

NCPN Coordinator and Admin Support

Others Pending

Fruit tree CPN Governing Body

Grape CPN (GCPN) Governing Body

Tier 3

No Regional networks at this time

Eastern GCPN

Western GCPN

November 2009
NCPN MOU

- Lays NCPN Foundation at Federal Level
  - Program Goals and Governance
  - 3 Agency Partners >>> APHIS / ARS / CSREES

- Suggests Direction for Crop Specific Programs
  - Fruit Trees, Grapes, Citrus, Berries, Hops, others

- Signed at NCPN General Meeting
  - US Nat’l Arboretum
  - March 26, 2009

Dr. Meryl Broussard, CSREES
Mr. Kevin Shea, APHIS
Dr. Edward Knipling, ARS

November 2009
National Clean Plant Network Governance – National (Primary or Tier-I) - UPDATE

NCPN Governing Body

- Invited members (5-7) must be state or federal employees and have voting rights
- SME can be non federal or state employees with no voting rights
- Invites proposals for funding
- Makes the funding distribution decisions among the commodity clean plant networks
- CWG has no voting rights but can veto the governing body recommendations

November 2009
## NCPN CWG and Tier 1 Governance

<table>
<thead>
<tr>
<th>Core Working Group</th>
<th>National Governing Body Tier 1</th>
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<tbody>
<tr>
<td><em>Murali Bandla – APHIS</em></td>
<td>Ken Rauscher – MI</td>
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<td>Robert Johnson - APHIS</td>
<td>Tom Wessels – WA</td>
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<td>Tom Bewick – NIFA (CSREES)</td>
<td>Wayne Dixon – FL</td>
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<tr>
<td>Gail Wisler - ARS</td>
<td>Joseph Postman – ARS</td>
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<td>Bill Dickerson - APHIS</td>
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**NCPN Coordinator**

- Erich Rudyj - APHIS

**NCPN CWG Admin Support**

- Tammy Kolt - APHIS

November 2009
United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection and Quarantine

USDA National Governing Board (NCPN-GB) including the ‘Core Working Group’ (APHIS, ARS, NIFA)

NCPN Coordinator and Associated Staff

Fruit Tree CPN (FT-CPN) Governing Body

Grape CPN (G-CPN) Governing Body

No Regional Networks at this time

Tier 2 Crop

Tier 3 Local

Eastern GCPN

Western GCPN

Citrus CPN (C-CPN) Governing Body (Forming)

Berries CPN (B-CPN) Governing Body (Forming)

Hops CPN (H-CPN) Governing Body (Pending)

Other Specialty Crop Groups (Pending)

NCPN Governance

Mid FY 2010?

Through Nov. 2009

November 2009
NCPN Program Responsibilities and Establishing an NCPN Specialty Crop Group
NCPN Specialty Crop Committee
Industries, States & Universities

1. Network Membership
2. Organizational Development and Governance
3. Working Groups Establishment
4. Plant Accessions Sourcing
5. Diagnostics and Treatments
6. Foundation Plantings
7. Education, Outreach, and Extension
8. Best Mgmt Programs and Certification
9. Funding

November 2009
Some existing clean plant programs and cooperators for grapevines, fruit and nut trees, citrus, hops, and berries

- NRSP 5: Northwest Grape Foundation Services, WSU, Prosser, WA; Pome and Stone Fruit Diagnostic Project, and Hops WSU, Prosser, WA
- USDA and OSU ‘Berries’ Program
- National Grape and Wine Initiative (NGWI); Wine America, Others
- Grape Quaranline Program – Cornell Univ., NY
- Mid Atlantic Grape Consortium
- Nat’l Berry Crops Initiative
- USDA/APHIS Beltsville, MD
- NC SU – ‘Berries’ Program
- SE Fruit Tree Consortium
- SE Budwood Program – Clemson Univ., SC
- Florida Dept. of Plant Industries – Citrus Program
- EAST Regional Grape Clean Plant Network
- WEST Regional Grape Clean Plant Network
- Citrus Clonal Protection Program (CCPP), UC Riverside
- Clean Plant Berries Network
- Clean Plant Citrus Network

November 2009
Farm Bill Update
Section 10202 – NCPN Appropriations, Apportionments, Rescissions, and Authorizations

November 2009
The Principle Activities Associated With NCPN

- Diagnostics and Therapy
- Extension, Education & Outreach
- Nursery Networks
- Establishment and Maintenance of Mother Blocks
- Audit & Quality Control

Imports → Network Building → Clean Plant → Mother Blocks → Nurseries

Domestic varieties

November 2009
Some Ancillary Activities Impacted By NCPN

NCPN Centers → Clean Plant → Establishment & Maintenance of mother blocks → Nurseries

Imports

Domestic varieties

Harmonized state Certification Programs

Audit & Quality Control

BMP’s

November 2009
Nursery Certification Programs

Funding and Challenges

- Funding – Farm Bill Sec. 10201(d)
- Harmonization of standards towards a national program

November 2009
NCPN Farm Bill 2008 Funding – Update Section 10202

- $5 million each year for 4 years
- FY 2009 – 2012 ($20 million total)
- Funds are ‘No-Year’ – Available Until Expended
- FY 2009 Status
  - Apportionment to APHIS – April, 2009
  - Available to APHIS - May, 2009
  - $3.1 million ‘Let’ – Sept., 2009
- FY 2010 Status
  - Apportioned and Available to APHIS – October 2009
- The ‘Rescission’ Issue
  - Discussion
- FY 2011-2012 Availability?
  - Discussion
Actual NCPN Program Funding Logistics – 2009

Cooperative Agreements Program

- Competitive Cooperative Agreements Program
- Actual Funds Availability FY 2009 >>> $4,250,000 (+)
- Request for Proposals ‘Published’ June 4, 2009
- Funding Applications Due July 6, 2009
- Cooperator Access to Funds >>> September 2009
- Actual Funds Distributed FY 2009 >>> $3,100,000

Funding Distribution
- Operation > 60%
- Methods > 10%
- Extension > 10%
- Governance > 10%
- Audits/Evaluations/Improvements > 10%

November 2009
NCPN Funding Program Criteria – 2009

Must Be Met

- Specialty Crops
- Clean Plant Pest Mgmt Focus
  - Governance
  - Diagnostics / Therapy
  - Foundation Planting
- Eligibility
  - States
  - Universities
- Regulatory Requirements
  - Permits / Inspections
- Program Goals
<table>
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<tr>
<th>NCPN Funding Program Priorities - 2009</th>
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<td>Should Be Met for Competitive Advantage</td>
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- Quarantine Crops
- Crops in State Certification Programs
- Propagatively Transmitted Pathogens
- Existing Facilities
- Established ‘Tier 2’ Governance
- Multiple Cooperators
- Meeting Industry Goals
- Extension / Outreach
- Cost Sharing / Matches
- Program Self Sufficiency

November 2009
NCPN Funding Recipients – FY 2009

- UC-Davis > ‘FPS Funding 2009’
  - $1,034,957

- Clemson (SC) > ‘Southeast Budwood Program’
  - $229,262

- Cornell (NY) > ‘East/Central Grapes Program’
  - $264,325

- Missouri State Univ. > ‘Midwest Grapevine Program’
  - $230,483

- Washington State Univ. > ‘Prosser Funding 2009’
  - $1,300,816

November 2009
Programs not Funding in the FY 2009 Round

- Virginia Tech > ‘Mid-Atlantic Foundation’
  - $115,000

- Univ. of Maryland > ‘Mid-Atlantic Foundation’
  - $125,000

- NC State Univ. > ‘Strawberry Clean Plant’
  - $115,000
NCPN Support to FPS – FY 2009
$1,034,957

- Grape Importation and Quarantine Program - $345k
- Russell Ranch Foundation Vineyard - $263k
- PCR and Technology Support - $142k
- Orchard Equipment - $77k
- Laboratory Equipment - $57k
- Growth Chambers and Greenhouse Systems - $41k
- NCPN Tier 2 Governance and Admin - $110k

November 2009
FPS Initiatives **not** Funded in FY 2009

- FPS Fruit and Nut Tree Program
- Sequencing Technology and Software
- Testing Protocol Standardization
- Facility Construction and Rehabilitation
- FPS Information Database
- Clean Plant Outreach and Extension
- Web Based Outreach and Registry
NCPN Support to WSU – FY 2009
$1,300,816

- Fruit Tree and Nut Tree Clean Plant - $905k
- Grapes Operations - $296k
- NCPN Tier 2 Governance and Admin – $100k
WSU Initiatives **not** Funded in FY 2009

- Hops Clean Plant Operations
- Clean Plant Outreach and Extension
NCPN Support to Cornell – FY 2009
$264,325

- Grape Importation, Diagnostic, and Therapy - $264k
Cornell Initiatives *not* Funded in FY 2009

- ‘East’ Foundation Planting
NCPN Support to Missouri State Univ. – FY 2009
$ 230,483

- Grape Importation, Diagnostic, and Therapy
- Maintenance of a Small ‘Heartland Grapes’ Foundation
NCPN Support to Clemson – FY 2009
$ 229,262

- Southeast Budwood (Peaches) Program
  - Unique Seasonality Needs
  - GA, KY, NC, SC, TN
NCPN Funding Reiteration – FY 2009

- UC-Davis > ‘FPS Funding 2009’
  - $1,034,957

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November 2009
NCPN FY 2010
Anticipated Program Funding
Anticipated NCPN Prog. Funding Logistics - 2010

- Competitive Cooperative Agreements Program
- Anticipated Funds Availability FY 2009 >>> $5,000,000 (+)
- Anticipated Request for Proposals ‘Published’ - April 2010
- Anticipated Funding Applications Due - May 2010
- Cooperator Access to Funds – July 2010

- Possible Specialty Crop Group Applicants?
  - Fruit Trees (Pome and Stone Fruits)
  - Grapes
  - Citrus
  - Berries (Strawberries, Blueberries/Cranberries, and Cane Fruit)
  - Hops
  - Others?

November 2009
NCPN RFA – FY 2010 >>> Discussion

• **IMPORTANT**
  - Review the RFA FY 2009 and Provide Feedback

• **Possible** Changes in FY 2010?
  - Added ‘Criterion’ – Certain Federal Applicants
  - Renewed ‘Criterion’ – Refreshed USDA Goals
  - Strengthened ‘Priority’ – Industry Driven Pre-Proposal Review Process
  - Strengthened ‘Priority’ – More Clearly Indicate Meeting Industry Goals
  - New ‘Priority’ – Seek Added, External Program Funding
  - New ‘Priority’ – Cost Sharing / Matching up to 50%

November 2009
Grapes `East’ Foundation Planting Discussion
The NCPN ‘Core Working Group’ Position on this Question

For NCPN ‘Grapes’ Network to Thrive, consideration on the establishment of a ‘Grapes East’ Foundation Planting is High Recommended

Understandings:

- The Foundation Planting must not be in competition w/others; it is part of a collaborative network
- Several Eastern clean plant ‘players’ might serve in coalition to establish/advise/counsel on Foundation establishment, material, activities, etc.
- An ‘east’ Admin Support person is suggested for consideration
Grapes ‘East’ Foundation – Discussion Points

- Eastern Wine Industry Expanding – High Value
- Concerns – Certain Disease Manifest in ‘East’
- Ready Access to Special/Certain Clones
- Prudent to Establish Network Collaboration Foundation
  - Cooperate w/West, PNW, and Heartland
  - Desired Redundancy
  - Specialized Services
- Other?
The Process and the Future

It’s Yours

November 2009
NCPN Federal Website – ‘On-Line’

Launched:
June 17, 2009

Location:
APHIS website


November 2009
For more information about NCPN:

Erich S. Rudyj, Coordinator
National Clean Plant Network (NCPN)
USDA, APHIS, PPQ, PHP
Accreditation, Certification, and Networking Services
4700 River Road, Unit 60, Room 4A.03.13
Riverdale, Maryland 20737
Phone >>> (301) 734-6748

E-Mail >>> Erich.S.Rudyj@aphis.usda.gov
or
E-Mail >>> NCPN@aphis.usda.gov

November 2009
Questions and Discussions

Thanks!