

## **DRAFT MINUTES**

### **NATIONAL CLEAN PLANT NETWORK – HOP TIER 2 BOARD MEETING**

**Tuesday, January 18, 2012 – Hyatt Regency Newport Beach (CA)**

The meeting was called to order at 3:00 pm by Jason Perrault, Chair, followed by announcements and introductions.

**MINUTES/MOTION:** FRED GESCHWILL MOVED TO APPROVE THE MINUTES OF THE 8/1/11 MEETING AS PRESENTED; SECONDED BY REGGIE BRULOTTE; APPROVED UNANIMOUSLY.

The Root Fund balance was reviewed, and plans for 2012 payment for Clean Plant Center material distributions was discussed.

**2012-13 Requests for Applications and Project Status:** Ken Eastwell reviewed the current status of the RFA for 2012-13, which is expected to be similar to the 2011 process. He is starting to work on the new proposal. Board members were encouraged to provide input regarding this program's work plan for the coming year and beyond. Ken also reviewed the current project work plan and status. NCPN accepted Hops into the program in 2010. There are now 5 crops in the program, and funding requests exceed available funds. The program is still very dependent on HRC and WHC funds. Currently NCPN funding is scheduled to end in 2012, and will need to be retained in the 2013 Farm Bill. Priorities discussed in conjunction with the 2012 RFA process were reviewed.

Clean Plant programs for tree fruit, grapes and hops that are based at WSU-IAREC, Prosser, were consolidated into one program in August – the Clean Plant Center of the Northwest (CPC-NW). Infrastructure improvements are anticipated in 2012, including consolidation of activities at WSU-IAREC into one location.

Eastwell reviewed the progress on testing and cleanup of HSVd and viruses (see Addendum). He suggested that future announcements of available material be included in the November issue of HOP NEWS. The status of proprietary material was discussed. As the screen house fills up, these plants will be pulled out unless the owners authorize their release.

**2012 Priorities for Clean-up:** The USDA National Clonal Germplasm Repository (NCGR), Corvallis, submitted one selection for cleanup in August 2012. Two additional slots for cleanup are allocated to NCGR for 2012. The Priority Nomination process was discussed. Only one formal nomination has been received, from OHC for the two Triploid Perle experimental selections, USDA 2006009-055 and USDA 2006009-079. While these are not yet released, OHC would like to propose more proactive clean-up and testing of promising new selections before release as named commercial varieties.

**MOTION:** PAUL MATTHEWS MOVED TO APPROVE THE INCLUSION OF USDA 2006009-055 and USDA 2006009-079 IN THE TESTING AND CLEAN-UP PROGRAM FOR 2012; SECONDED BY REGGIE BRULOTTE, APPROVED UNANIMOUSLY.

The target number for testing and clean-up in 2012 is 14 selections: 2 for NCGR, 2 for CPC-NW, and 10 for public and private selections. With 2 approvals noted above, 8 are still available. We will cross-reference the list of varieties that are currently in the program with the commercially available variety list and send it out to the Tier 2 board for statements of interest, along with encouraging the private and public breeding programs to nominate late-stage experimental or released material. Once an updated list of nominees is compiled, it will be sent to the Tier 2 board for final selection of 2012 cleanup priorities.

**Outreach activities:** The website and other outreach activities are largely on hold until Terri Reddout's position can be filled. The search process is underway, and a replacement should be in place within the next 2 months.

**NCPN Updates:** Fred Geschwill reported on the November 2011 NCPN National Leadership Workshop, held in the Washington DC area. He is serving on the steering committee for the NCPN Industry Leadership Team. While the Clean Plant Centers are funded through 2012 with the initial \$20 million over 5 years that was included in the current Farm Bill, a new authorization will be needed in the next Farm Bill. There is a need for all Clean Plant Centers to work toward self-funding. Current NCPN funding for hops is \$154,000 plus HRC and WHC funding. NCPN wants existing crops in the network to start decreasing their reliance on the program, so that additional crops can come into the network.

Deborah Galino at UC Davis is developing a Collaborative Tool to compare certification programs across crops. We need to email a copy of the WSDA hop certification rules to her.

**"Hop Network" Vision:** This will be the focus of the August 2012 meeting.

**Other business:** The next meeting will be held in May 2012 at WSU-IAREC, Prosser. The date and time will be determined when the schedule for the 2012 RFA is known.

The meeting was adjourned at 5:00 pm.

**Attendance:** Bernard Gamache, Reggie Brulotte, Ann George, Ken Eastwell, Jason Perrault, Ed Atkins, David Gent, Ron Brulotte, Erick Smith, Jeff Butsch, Diane Haas, Dave Wyckoff, Paul Matthews, Fred Geschwill, Gene Probasco, Marty Ungewitter, Harald Schwarz, Gayle Goschie.

**Addendum #1:** Clean Plant Center – NW for Hops – January, 2012 – attached.



## Clean Plant Center – NW for Hops

### CY 2011 Progress

- seven new selections added to the foundation screenhouse
- ten selections used to generate 1,086 meristems
- initiated heat therapy
  - tested 0, 15, 30 and 45 days (8 hr at 39C (102F) / 4 hr at 32C (90F))
    - 70% of surviving plants produced from meristems without heat treatment and 73% of the plants generated with heat treatment are virus-free (early results)
- initiated cold and chemotherapy to eliminate viroids (Hop latent viroid)
  - 30 days at 4C (39F) with Ribavirin (10, 20 50 mg/L)
  - no success to date
- infrastructure:
  - obtained new heat therapy chamber to increase throughput
  - replaced low temperature incubator to perform cold therapy
- distributions in 2011:
  - 476 green cuttings distributed
  - 17 potted screenhouse plants
  - 25 tissue culture plants
  - 102 custom tissue culture plants

## Clean Plant Center – NW for Hops

### Summary of distributions in 2010-2011:

- every cultivar in the program has been distributed

| <b>cultivar</b>       | <b>cuttings</b> | <b>plants</b> | <b>total</b> |
|-----------------------|-----------------|---------------|--------------|
| 9517-044              | 0               | 2             | 2            |
| Brewer's Gold         | 23              | 0             | 23           |
| Cascade               | 43              | 0             | 43           |
| Chinook               | 43              | 0             | 43           |
| Cluster E-2           | 3               | 2             | 5            |
| Cluster L-1           | 13              | 3             | 16           |
| Cluster L-8           | 13              | 3             | 16           |
| Crystal (T/C derived) | 0               | 25            | 25           |
| Fuggle H (Oregon)     | 23              | 4             | 27           |
| Galena                | 23              | 1             | 24           |
| Glacier               | 43              | 0             | 43           |
| Kent Golding          | 3               | 6             | 9            |
| Liberty               | 169             | 1             | 170          |
| Mt. Hood              | 53              | 1             | 54           |
| Newport               | 43              | 1             | 44           |
| Nugget                | 13              | 0             | 13           |
| Perle                 | 43              | 3             | 46           |
| Tettnang              | 23              | 5             | 28           |
| UK Serebrianka        | 13              | 0             | 13           |
| Ultra                 | 33              | 1             | 34           |
| Vanguard              | 33              | 1             | 34           |
| Willamette            | 23              | 3             | 26           |
| <b>Total</b>          | <b>676</b>      | <b>62</b>     | <b>738</b>   |

**Custom T/C**

**102**

## Clean Plant Center – NW for Hops

### Cultivars in the program (January 2012)

| Cultivar                           | Screenhouse potted plants | Availability                  |                     |
|------------------------------------|---------------------------|-------------------------------|---------------------|
|                                    |                           | Potted plants                 | Green cuttings      |
| <i>Public varieties completed:</i> |                           |                               |                     |
| Brewer's Gold (VF #1139)           | 3                         | 2 small (prop 2011)           | green cuttings 2012 |
| Cascade (VF #1140)                 | 3                         | 2 small (prop 2011)           | green cuttings 2012 |
| Chinook (VF #1142)                 | 3                         | 2 small (prop 2011)           | green cuttings 2012 |
| Cluster E-2 (VF#1120)              | 3                         | 1 small (prop 2011)<br>plus 1 | green cuttings 2012 |
| Cluster L-1 (VF#1129)              | 4                         | 2 small (prop 2011)<br>plus 1 | green cuttings 2012 |
| Cluster L-8 (VF#1130)              | 4                         | 2 small (prop 2011)<br>plus 1 | green cuttings 2012 |
| Crystal (VF#1145)                  | 1                         | 0                             | green cuttings 2012 |
| Fuggle H (VF#1126)                 | 3                         | 2 small (prop 2011)<br>plus 1 | green cuttings 2012 |
| Galena (VF#1127)                   | 4                         | 3                             | green cuttings 2012 |
| Glacier (VF#814)                   | 3                         | 2                             | green cuttings 2012 |
| Kent Golding (VF#1128)             | 3                         | 2 small (prop 2011)           | green cuttings 2012 |
| Liberty (VF#1137)                  | 3                         | 2 small (prop 2011)           | green cuttings 2012 |
| Mt. Hood (VF#1132)                 | 3                         | 2 small (prop 2011)           | green cuttings 2012 |
| Newport (VF#1057)                  | 3                         | 1 small (prop 2011)<br>plus 1 | green cuttings 2012 |
| Nugget (VF#1112)                   | 3                         | 2                             | green cuttings 2012 |
| Perle (VF#1133)                    | 3                         | 2 small (prop 2011)           | green cuttings 2012 |
| Tettnang (VF#1134)                 | 3                         | 2 small (prop 2011)           | green cuttings 2012 |
| UK Serebrianka (VF#1105)           | 4                         | 3                             | green cuttings 2012 |
| Ultra (VF#1110)                    | 3                         | 2 small (prop 2011)           | green cuttings 2012 |
| Vanguard (VF#771)                  | 3                         | 2                             | green cuttings 2012 |
| Willamette (VF#1136)               | 6                         | 5                             | green cuttings 2012 |
| Willamette (VF#1138)               | 3                         | 2 small (prop 2011)           | green cuttings 2012 |
| Willamette (VF#1144)               | 3                         | 2 small (prop 2011)           | green cuttings 2012 |
| 9517-044 (VF#1021)                 | 3                         | 2 small (prop 2011)           | green cuttings 2012 |
| <i>Proprietary completed:</i>      |                           |                               |                     |
| Chelan (VF#1141)                   | 1                         | 0                             | no distributions    |
| Millenium (VF#1131)                | 3                         | 0                             | no distributions    |
| Tillicum (VF#1135)                 | 4                         | 0                             | no distributions    |
| Tomahawk (VF#1143)                 | 1                         | 0                             | no distributions    |

## Clean Plant Center – NW for Hops

### Cultivars in the program (January 2012)

| Cultivar                        | Plants | Testing Status*   | Availability             |                       |
|---------------------------------|--------|---|--------------------------|-----------------------|
| <i>Public in progress:</i>      |        |   |                          |                       |
| Alpharoma                       | 4      | 1 test complete (1)   | -                        | -                     |
| Centennial                      | 22     | all testing complete (2)<br>2 tests complete (1)<br>1 test complete (2) | Potted plants<br>2012/13 | Limited cuttings 2012 |
| Columbia                        | 10     | 1 test complete (3)   | -                        | -                     |
| Hallertauer<br>Magnum           | 8      | 1 test complete (1)   | -                        | -                     |
| Mt. Rainier                     | 20     | all testing<br>complete(1)  | Potted plants<br>2012/13 | Limited cuttings 2012 |
| Northern<br>Brewer              | 8      | 1 test complete (2)   | -                        | -                     |
| Saaz 72                         | 5      | -   | -                        | -                     |
| Sterling                        | 20     | all testing<br>complete(1)<br>1 test complete (3)                       | Potted plants<br>2012/13 | Limited cuttings 2012 |
| Teamaker                        | 25     | 2 tests complete (3)  | Potted plants<br>2012/13 | Limited cuttings 2012 |
| <i>Proprietary in progress:</i> |        |   |                          |                       |
| First Gold                      | 8      | 1 test complete (3)   | Under consideration      |                       |

\* Three successful negative tests are required before material is considered free of the pathogen