



Western Washington Fruit Research Foundation

February, 2016

President's Message

By Sue Williams, WWFRF President

Winter Greetings to fellow NWfruit.org orchardists. Happy New Year!

Winter traditionally is the time for gardeners to review the seed catalogs and plan for the new growing season. This year is no different for WWFRF Board of Directors and Garden Committee is reviewing recommendations to improve the quality of the fruit in the garden and Field Days for our members and visitors. Much needs to be done by our all-volunteer organization. We appreciate everyone's participation. If you can't help out in the Garden on Thursdays, please consider serving on the Board of Directors. See the article in this newsletter.

When you come to the Garden this year, you will see some significant additions. We are excited about the new signs that are going up to allow visitors to tour the garden on their own with additional information available through connection to our NWfruit.org web site. Trees are color coded to help WSU identify trees for the spray program.

We are putting Research back in our name! Many of our experienced volunteers have been experimenting on techniques for years. Now we are asking these valuable efforts to be documented and shared with members. During the growing season, laminated signs will be posted to detail these research projects including expected results or value. At the Winter Field Day, I will be reporting on Garden research for 2015. That way members and visitors can better understand the value of this unique garden.

We want to support WSU researchers who are currently conducting research on Anthracnose, which as many of you know is a scourge in the Maritime Northwest. We would like to ask you, our members to add to your membership dues any amount you want WWFRF to directly go towards this valuable research. This money will be collected separately and delivered to Carol Miles, WSU Mount Vernon. Carol has indicated that such research will take 2 years and an estimated \$45,000 to complete. Shouldn't we help with research that can help all fruit orchardists?

We will be having another Sample the Harvest Day the first Saturday in August when blueberries are available and stone fruits are ready for harvest. Stay tuned for more information.

Don't forget to renew your membership! You can renew during the Winter Field Day, or use the form in this newsletter. You can add additional funds to support WSU - NWREC research if you wish. Your membership helps us to do so much towards our mission of growing great fruit in the maritime northwest.

I look forward to seeing you in March for our Winter Field Day. It looks to be a great day!

Sue Williams

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Cherry Day

Please check our website in May for information about our Cherry Day.

Seattle Flower and Garden Show!

February 17-21, 2016

Come represent the Western Washington Fruit Research Foundation at the 2016 Northwest Flower and Garden Show in the convention center in Seattle. This is your opportunity to promote fruit growing to the general public from all over the Puget Sound region. There are currently shifts available on all days, but the spots fill up fast. The show is a lot of fun and volunteers get free admission to the show for the entire day. For more information, or to volunteer, please send an email to info@wwfrf.org.

Feb 20th Board Meeting

1 PM – 3 PM

In the Atrium of the Convention Center

Enter the main entrance on Pike Street (just East of Eighth street, go South and up the main lobby escalators to the 2nd floor landing and continue to the South end of the lobby where you will find our meeting place.

All members are welcome to attend.

March 5th General Membership meeting agenda

Followed by the Board meeting

12:30 – Financial Report – Mike Ewanciw

12:40 – Reports from the Garden Management Committee

12:50 – Other Committee Reports (membership)

1:00 –1:15 – Presentation/Vote of Board nominees by the Nominating Committee

Board Meeting

1:20 – Nomination of Officers – Vote

Winter Field Day / Open House: March 5, 2016

Western Washington Fruit Research Foundation
in cooperation with



Washington State University, Northwest Washington Research and Extension Center
16650 State Route 536, Mount Vernon, WA 98273

8:30 AM and after: Registration—All members & non-members must first register & pay

Admission Free for WWFRF Members: Included in annual dues
Admission Fee for Non-Members: \$15.00/ Individual; \$30.00/ Family
(Parents with non-adult children only); Caregivers free admission with paid client

West Room

8:30 – 1:00 PM Rootstock and Scionwood Sales
9:00 – 1:30 PM Grafting of Purchased Scions & Rootstock

Lectures and Panels

(Held in the Auditorium):

9:00 – 9:10 AM Welcome & update of WWFRF accomplishments (Sue Williams)
9:10 – 9:55 AM Cherry UFO (Tom Thornton, Cloud Mountain Farm Center)
10:00 – 10:05 AM Update of WWFRF accomplishments (Sue Williams)
10:05 – 10:50 AM Historic Orchard Preservation (Corinna Welzenbach, US Park Service)
11:00 – 11:05 AM Update of WWFRF accomplishments (Tart Cherry project – Kristan Johnson)
11:05 – 11:55 AM Panel: Best Cherries for the Pacific Northwest (Tom Thornton, Dr. Robert Norton, Sam Benowitz, Jacky King, Gary Moulton, Kristan Johnson)
1:30 – 2:30 PM Mummy Berry (Dalphy Hartevelde, NWREC)

Workshop

11:00 – 12:00 PM Bench Grafting (Greg Giuliani) *Held in WSU classroom*

Lunch and Social Time

12:00 – 12:30 PM, Auditorium (Please bring your own lunch & beverage)

Annual Business Meeting

12:30 – 1:15 PM, Auditorium (Election of Board Members)
Followed by the Board Meeting to elect officers

Demonstrations in the Fruit Garden

Take a self-guided Fruit Garden Tour following the new signs

10:00 – 10:50 AM Fruit Garden: Cherry UFO & Slender Spindle Apple Tour (Tom Thornton)
1:30 – 2:20 PM Pruning Freestanding Cherry Trees (Dr. Robert Norton)
2:40 – 3:30 PM Fruit Garden's IPM Program (Gary Moulton)
2:40 – 3:30 PM Orchard Stabilization Assessment(*long term orchard management*)(Corinna Welzenbach)

Thank you to Sunshine Paper Company for donating paper mulch for the blueberries!

Rootstocks available at the Winter Field Day

Initially there will be a limit of 4 rootstocks of each variety per person. Later in the afternoon you may buy more of a particular variety after everyone has had a chance to buy some. Available varieties are:

Apple, from smallest to largest: EMLA 27, BUDAGOVSKY 9, EMLA 26, EMLA 7, MM 111

Plum: MARIANNA 2624, KRYMSK 1

Pear: OHxF 333 (check website before event for availability), QUINCE BA29C (much more dwarfing than OHxF 333, but you must graft an interstem (Comice works well) for many European pears).

Cherry: KRYMSK 5

Notes from the Fruit Garden

We are currently finishing up the installation of the new Self-guided Fruit Garden Tour signs, one of the most ambitious projects we've ever undertaken. Visitors with mobile devices will be able to scan the QR codes embedded in each of the 40 points of interest signs to view additional pertinent information (or they can simply type in the HTML address). We want to thank the many volunteers who have helped with this long term effort! When you visit and tour the Fruit Garden you can help us by filling out the questionnaire attached to each Self-guided Fruit Garden Tour Map, to let us know what you think of the project, and how it might be improved in future signage efforts.

If you weren't on hand for the Fruit Garden Volunteer Appreciation Luncheon, you missed a really nice event held at the Skagit River Brewery, where we welcomed the new NWREC director Chad Kruger with a Fruit Garden Tee shirt. [Group Photo thanks to Scott Turrell]



Another big effort in the Fruit Garden is the **Blueberry Weed and Mummyberry Suppression Project**. This past year we observed an increase in Mummyberry infestation (see article) and after researching control methods with NWREC researchers, we are implementing the installation of a heavy duty paper mulch (donated by the Sunshine Paper Co.) and covering that paper sheeting with a few of inches of sawdust mulch. We hope that our monitoring over this next season will reveal a significant reduction of both mummyberry and weeds within the blueberry plots.

The Fruit Garden continues to be fertile ground for trialling different varieties of fruit. This year we are installing a **Tart Cherry trial** in which we plan to compare quality, production, and "ease of growing" of the most promising Pie Cherries. Instead of individually netting many free-standing trees, we are planting all 8 naturally dwarfing varieties into 2 adjoining rows to form a single rectangular block, thus allowing volunteers to net the entire trial at once.

Looking forward to seeing you in the Fruit Garden,

Kristan Johnson

The Board of Directors

Are you interested volunteering to help direct the activities of WWFRF? Consider serving on the Board of Directors.

The board of directors of this all volunteer organization makes the decisions about how our organization is run. By serving on the board of directors you are an advocate for our mission, ensuring prudent use of the nonprofit's assets, and looking ahead to plan for the future.

We have 3-4 board meetings a year held in person in Seattle, Mount Vernon or elsewhere. Additionally, 1 or 2 telephone conference meetings are held when critical discussion and decisions are needed.

A director serves for a term of 2 years starting at the Winter Field Day when elections are held. A director is expected to serve on at least one committee and to attend as many of the board meetings as possible since they are usually planned well in advance. If necessary, participation by phone can often be arranged. Any director can come up with ideas for projects, and other ways to help the organization, and present them at the board meetings for discussion and adoption.

Email info@wwfrf.org for more information or contact board members before the Winter Field Day for more information.

WWFRF Financial Report: 1/1/2015 - 12/31/2015

By Mike Ewanciw, WWFRF Treasurer, Board Member

Beginning Equity Balance (1/1/15)	44548
<u>Change in Equity</u>	<u>-2828</u>
Ending Equity Balance (12/31/15)	41720

Revenue

Membership Dues	3724
Field Days	3654
<u>Apple Sales</u>	<u>145</u>
Total Income	7523

Expenses

Newsletter Expenses	1337
Field Day Expenses	1561
NW Flower & Garden	1695
Fruit Garden Expenses	3685
Other	32
Printing	755
<u>Insurance</u>	<u>1285</u>
Total Expenses	10350

WWFRF would like to thank our commercial members.

BeezNeez - www.beezneezapiary.com

Northwoods/One Green World - www.onegreenworld.com

Raintree nursery - www.raintreenursery.com

Sonshine Tree Care - www.sonshinetreecare.com

PLEASE SEND YOUR DONATION ALONG WITH THIS FORM

Enclosed is my gift of:

\$5000 \$1000 \$500 \$100 \$50 \$25 \$_____ (Make check payable to WWFRF)

To make a donation by credit card go to: NWFFruit.org and click on support.

Please designate my monetary gift toward: Where it is needed most!
 Fruit Garden
 WSU sponsored research
 Sampling and Field Days

I would like to volunteer! In the Display Garden
 On sampling and field days
 By doing work that can be done from my home

Name _____
Address _____
City _____ State _____ Zip _____
Email address _____ Phone # _____

Please make my gift: In Honor of: In Memory of:
(Name of person) _____
Address of person or person's family _____

(So we can notify them)

Thank you.. Please send to: **WWFRF**
C/O John Valentine
811 North 1 ST
Tacoma, WA 98403-2013

Your gift is tax-deductible to the fullest extent allowed by law. Please consult your tax accountant for details.

**WWFRF Board Meeting
November 21, 2015 9:00 am – 3:00 pm
Held at Sue William's home**

Board members present: Sue Williams, Kristan Johnson, Kim Siebert, Bob Baines, Jay Scott, Ira Collins, John Valentine, Sam Benowitz, Darlene Granberg, Mike Ewanciw.
Board members not present: Adam Wargacki, JoeAnne Hilgart, Mignonne Bivin
Mike Ewanciw left before the end of the meeting.
A quorum was present for the entire meeting.

Committee reports:

Fruit Garden –

1. Irrigation lines are in place now in the north row and by the columnar trees

2. We have a well organized nursery area now
3. Biosolids mulch was donated. We used it to top dress in the new Nursery and the north row of trees.
4. Some anthracnose ridden trees were removed.
5. Apple sales are very low due to apple maggot and codling moth infestations. We are working on a way to close the Garden to keep visitors out for the specified amount of time after spraying so that we can implement the Garden Management plan to deal with this problem.

Financial Report – Mike Ewanciw handed out a Report showing our actual income and expenditures alongside the budget for 2015. Income and expenses are both lower than last year. Motion to approve Financial report made by Kristan, seconded by John. Passed unanimously.

The budget for 2016 was amended and approved as amended.

Membership – John Valentine – the membership numbers are low with only 85 regular and 5 long-term. 55 memberships have expired in 2015.

After some discussion regarding alternatives for encouraging membership renewal, John motioned that we spend up to \$500 to send out a mailing large enough to qualify for bulk mailing to encourage former members to renew their memberships, which was seconded and unanimously approved. A Membership committee was formed to complete this mailing and to send out an email, with the newsletter attached, to go even farther back in the expired membership list, and to work to improve our visibility and promote our organization: John (chair), Kim, Bob, Darlene, Sam.

Unfinished Business:

As a tribute to Dr. Bob Norton his name will be on the Donor Appreciation sign. The publicity point have now been put on the website. A PowerPoint presentation has been made to be used for presentations about WWFRF. A 5 minute version of the PowerPoint will also be made. Data entry-we still have not entered the archived research data to get it online.

Business cards and Trifold brochure for Fruit Garden Tour –Two business cards were proposed, one for the organization as a whole and another one for Fruit Garden volunteers. It was moved that up to \$1300 be approved for the printing of the trifold brochures for the Fruit Garden Tour and the two types of business cards. Passed unanimously.

New Business:

Finance committee – A finance committee was formed with Mike and Darlene.

WSU sponsored business – WSU has asked if we will commit to contributing financially to a specific project regarding fruit culture. No action was taken but this will be taken up at a meeting in Januray or February. With our current low income we will have to look at ways that we can raise the money before we can commit to doing this because we can not use funds that have been donated for the Fruit Garden. Sue proposed that we contact Carol Miles for more details about what this would entail. The possibility of including WSU sponsored research in the donation areas on the website and membership form to start a fund for research was mentioned.

Donor Appreciation Sign – Kim notified the board that work is moving forward to design a donor appreciation sign that will cost less than \$1000. The project should be ready for vote at the February meeting.

Insurance – We now we need insurance for the NW Flower and Garden Show. We need to get a certificate and maybe a rider.

August Sample the Harvest Day – It was motioned that we hold another harvest day the first Saturday in August featuring blueberries and plums. Passed unanimously.

Winter Field Day for 2016 – Has no lead organizer to coordinate with WSU, talk to speakers, and organize the staff for the day of. Bob Baines agreed to be the person to organize the staff for the day of the event only. Kim Siebert agreed to find 4 people to help with setup, and 4 other people to help with cleanup for the event. We might have the Annual Membership meeting immediately after the Panel Discussion in the hopes of increasing the attendance.

WWFRF Board Meeting

January 5, 2016 7:00 pm – 8:00 pm
Conference call

Board members online: Sue Williams, Kim Siebert, Sam Benowitz, John Valentine, Adam Wargacki, Kristan Johnson, Jay Scott, Ira Collins

Board members not online: Mike Ewanciw, JoeAnne Hilgart, Mignonne Bivin, Darlene Granberg, Bob Baines

A quorum was present for the entire meeting.

Minutes – The minutes of the November 21, 2015, board meeting were read. Sam motioned that we approve the minutes as read. Kristan seconded. Approved unanimously.

Reports of Standing Committees –

Winter Field Day – Mike will send template for event so that Ira and Kristan can write a letter asking for volunteers for specific jobs. After the board of directors reviews the letter it will be sent out to the membership by email. Measures will be implemented to curtail losses from people taking scionwood and rootstocks without paying. Sam requested that we ask Susan Dolan for her ideas to better promote and educate.

Fruit Garden Committee – Kristan motioned that we spend up to \$1500 for the mummyberry suppression mulch proposal which has been approved by the Fruit Garden Committee. Ira seconded. Approved unanimously.

Reports of Special Committees –

Membership mailing – John Valentine. 45 cents per piece to print fold and mail. Will be sent near the

end of January. Kim suggested that we initially send out 200 to more recent members. Ira to work out how we can gather emails at the Flower and Garden Show for future emailings.

Unfinished Business – None for this special meeting

New Business –

Standing Rules – Kim Siebert. The Standing Rules will define roles and responsibilities. Procedures will be in the same document. As each section is finished we will email it to the BOD for comments and then it will be voted on at the next meeting.

Funding opportunities – Jacky has sent us information about a grant opportunity. Time frame is to submit by August this year. The BOD will consider whether we can move forward on this opportunity.

President retiring – Sue announced that she will be retiring from the BOD at the Winter Field Day. She will not be able to attend the board meeting in February so the task of running the meeting will fall to the next person in line as the position of Vice-President is vacant.

Stop the Mummyberry Fungus!

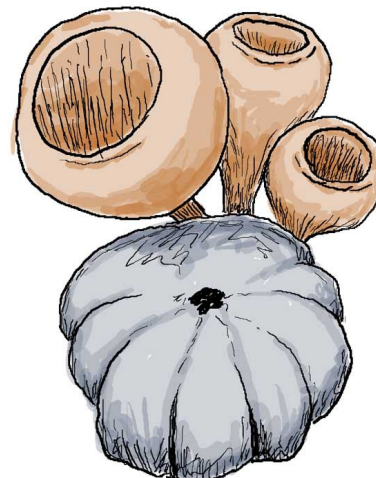
Mummy berry is a disease of blueberries caused by the fungus, *Monilinia vaccinii-corymbosi*, which causes the berries to shrink, turn dusty pink and then shrivel up to a metallic gray, when they are called mummies.

It can also affect new growth in the spring, causing new stems and leaves to shrivel and turn brown or black.

The mummies fall to the ground and in the spring small goblet shaped mushrooms called apotheciam grow to release spores to infect the plants all over again. The apotheca will be appearing near the end of February so about the middle of this month is a good time to begin implementing your strategy to thwart their efforts to damage your blueberry crop.

Raking the surface of the soil around the blueberry plants disturbs the apotheca. After raking mulching with about 2 inches of Douglas fir sawdust also helps reduce the number of apotheca.

Blueberry mummy with apotheca



During the summer when green infected berries are cut open the white fungal growth looks like a white “flower” in the center of the berry.

Dalphy Hartevelde will be teaching about mummyberry at 1:30 pm in the auditorium at the Winter Field Day.

Scionwood available at the Winter Field Day

APPLE

Alkmene
Brown Rasset
Dayton
Shay
Arkansas Black
Ashmeads Kernel
Belle de Boskoop
Ben Davis
Beni Shogun
Braeburn, Hillwell
Daliest
Fall Pippin
Fameuse
Golden Russet
Grand Alexander
Hatsuaki
Jonagold (Decoster)
Liberty
Melrose
Pristine
Roxbury
Silken
Akane
Bramley
Tompkin's King
Twenty Ounce
Wagener
Wealthy
Westfield Seek No Furthur
Willuams' Pride
Winesap
Winter Banana
Winter Pearmain
Wolf River
Yellow Bellflower
Yellow Newtown Pippin

APPLE GRAVENSTEIN VARIATIONS

Sheets
Candystripe
Washington
Green
Common
Yellow
Bloodred
Schwartz
Black
Fall
Rosebrook
Eastcoast
Worthen
Starr

APPLE CIDER

Brown Snout
Campfield
Cap of Liberty
Dabinett
Harrison
Kingston Black
Reine des Hatives
Tom Putt
Vilberie
Yarlington Mill
Others as available

SHIPOVA

QUINCE

Aromatnaya
Ermer

CHERRY

All star
Angela
Bing
Danube
Early Burlat
Hartland
Hudson
Kristen
Lapins
Montmorency
Rainier
Schneider
Surefire
Sweetheart
Tehranavee
Vandalay
Victory
White Gold

PEACH

Betty
Redstar
Q1-8

PLUM

Beauty
Cambridge Gage
Early Golden
Hollywood
Imperial Epineuse
Jam Session
Kuban Comet
Methley
Mount Royal
Pozegaca
Seneca
Shiro
Valor

PEAR

Atago
Bella de Giugno
Bosc
Chojuro
Clapps Favorite
Comice
Concorde
Conference
Hamese
Harrow Delight
Highland
Ichiban Nashi
Kikisui
Mishirasu
Rescue
Seuri
Spaulding
Starkrimson
Taylor's Gold
Ubileen

Have you renewed your membership yet? WWFRF membership is valid for 12 months from the date your check is **received**. Your membership expiration date is printed above your name on the mailing label indicating the month and year that your membership expires. Renew your membership before it expires by completing the **Membership Form** and mailing it in. You can also renew online. (see credit cards on page 6)



Western Washington Fruit Research Foundation Membership Form

Please check one box ONLY: Renewal New Member

NAME: _____ DATE: _____

ADDRESS: _____

CITY: _____ STATE: _____ 9-DIGIT ZIP: _____

TELEPHONE: () _____ EMAIL ADDRESS: _____

Please check all applicable lines to designate type of membership, extra donation, and/or individual or family open house/field day:

_____ \$25 FOR ANNUAL **INDIVIDUAL** MEMBERSHIP (One person only)

_____ \$40 FOR ANNUAL **FAMILY** MEMBERSHIP (One immediate household only; maximum 4 persons)

_____ \$15 FOR ANNUAL **FRUIT HORTICULTURE STUDENT** MEMBERSHIP (1st year only; must show student ID card)

_____ \$ _____ FOR **GIFT** MEMBERSHIP FOR: (Please note for Whom Above)

_____ \$60 FOR ANNUAL **SUSTAINING** MEMBERSHIP (Individual or family membership with higher level of financial support)

_____ \$125 FOR ANNUAL **COMMERCIAL (List Only)** MEMBERSHIP (Includes 3 people, and also includes business name on our website)

_____ \$200 FOR ANNUAL **COMMERCIAL (Full)** MEMBERSHIP
(Includes 3 people, and also includes a link from our website to the commercial members' website)

_____ AN **EXTRA DONATION** of \$ _____ for WWFRF

_____ \$15 FOR **INDIVIDUAL One-Day** OPEN HOUSE/FIELD DAY **ONLY**

_____ \$30 FOR **FAMILY One-Day** OPEN HOUSE/FIELD DAY **ONLY** (Parents with their minor children)

I WOULD LIKE TO VOLUNTEER TO DO THE FOLLOWING FOR WWFRF (please check all applicable lines):

_____ TO HELP WITH FIELD WORK AT THE **WWFRF FRUIT DISPLAY GARDEN** (usually held every Thursday from 9am-12noon; March-Nov.)

_____ TO HELP WITH FIELD WORK AT THE **WSU NWREC** in Mount Vernon

_____ TO HELP SET UP THE DAY BEFORE THE **WINTER FIELD DAY** (FEBRUARY)

_____ TO HELP AT A **SAMPLING DAY**: Please check ALL applicable boxes: Parking Registration Bags Distribution

_____ TO HELP AT **FRUIT TASTING/ROOTSTOCK SALES**

_____ TO HELP WWFRF ON AN **ONGOING BASIS**

_____ TO HELP WWFRF AT THE **NORTHWEST FLOWER & GARDEN SHOW** in Seattle (usually held in February every year)

_____ TO HELP WWFRF AT VARIOUS **DISPLAY BOOTHS** presented in _____ COUNTY

_____ TO HELP WWFRF SELL FRUIT at the **FALL FRUIT SHOW**

_____ TO HELP **BY DOING WORK I CAN DO IN MY OWN HOME USING MY COMPUTER OR TELEPHONE**

Please make your check payable to: WWFRF and MAIL your completed membership form and check to:

**WWFRF
C/O John Valentine, Membership
811 North 1 st
Tacoma, WA 98403-2013**

Western Washington Fruit Research Foundation (WWFRF)
C/O John Valentine
811 North 1 ST
Tacoma, WA 98403-2013

NON-PROFIT ORG
U.S.POSTAGE
PAID
SAM INC

Please check your label to see if your membership needs renewing.



Winter Field Day!
Notes from the Fruit Garden!
Mummyberry!

Mission: WWFRF exists to advance fruit horticultural programs for our unique Western Washington maritime climate through advocacy, research, education, and demonstration for the benefit of the general public and the small farmer.