



Western Washington Fruit Research Foundation September, 2008

President's Message By Kristan Johnson, WWFRF President
Hi everyone!

It seems like this summer has flown by, with the late cold spring that didn't allow for the plums and peaches to set (and our cancellation of that tasting date), and now, as I write this, it's cold and raining in the middle of August! Luckily Bradley Smith (our new Fruit Garden Manager) and his volunteers had built and installed the new information Kiosk just in time. I was able to stay dry during our talk on Drip Irrigation without getting dripped on!



First row Kneeling L-R De Arborgast, Henri Lebihan, Bill Davis, Paul Goree, Bradley Smith, Carol Butz.
2nd row L-R: Gwen Berthiez, Tom Wake, Bruce Denton, Kees Calissendorff, Jay Scott, Gayle Lebihan, Hazel Sittner, Larry Dewald, Michael Gorthy, Diane Hall, Kurt Zogorski, Rex Stillwell.

Thanks to Carol Miles for her help in finding us a Grant from SARES (Sustainable Agriculture Research and Education) to fund the Drip Irrigation Kiosk. This addresses needed water savings in both agriculture and residential usage, recognizing that nearly a third of all residential water use in the United States goes toward landscaping! A huge thanks to Kim Siebert for her tireless work in translating my ideas into high resolution graphics for the poster. It was a lot of

work, but we think that it was worth it, and the other side of the kiosk will have WWFRF information, with an orientation map of the Fruit Garden.

This great kiosk will soon have lots of handout boxes on both sides, so that vital information about techniques, varieties, maps, and sources will always be available to visitors to the Fruit Garden. Speaking of handouts, we're looking for someone who can help write a paper detailing the carbon footprint benefits of growing your own backyard fruit versus having it shipped to your store. If you're interested please contact me for background materials.



Thanks to Bill Davis for conducting the antique apple tasting.

Since we had to cancel the Sample the Harvest Day for August 9th, and the poor weather resulted in a small turnout, it was decided that we would repeat the Drip Irrigation talk on October 11 at the Sample the Harvest Day / Open House. So bring your questions about Drip Irrigation, soil fertility, Anthracnose, or even bring your apples into the lobby to be identified by Dr. Bob Norton. And back by popular demand: Bill Davis will be presenting the antique apples tasting!

The posts for the espalier on the East side of the Fruit Garden are up, and I'm excited to get started on planting and training the various stone fruit into "fan" shaped espaliers, as well as currant, gooseberry, persimmon and fig espaliers! Maybe even a Shipova or almond espalier! Any espalier ideas? Please let me know!

Special thanks to Rachel Petrich who is taking over as our official WWFRF FruitBooth administrator for the NorthWest Flower and Garden Show. If you're ready to lock in a time slot to help support this "award wining team" please contact Rachel at brunarp@hotmail.com.

See you soon,

Kristan

IN THIS ISSUE:

President's Message By Kristan Johnson, WWFRF President	1
WWFRF Financial Report: 1/1/08 – 8/17/08.....	3
2008 Calendar of Events	4
Fruit Garden Support.....	4
PLEASE SEND YOUR DONATION ALONG WITH THIS FORM	5
Fall Cleanup.....	6
Life of Apple Scab.....	6
How Resistant are these Apples?.....	7
WWFRF Tee Shirts are Coming!.....	7
Boar of Director's Meeting.....	8
Fall Field Day.....	9
Fruit Horticulture Quarterly Report.....	10
Membership Form.....	11

WWFRF Financial Report: 1/1/08 – 8/17/08

By Walt Kropp, WWFRF Treasurer, Board Member

Current Funds as of 8/17/08

Non-Restricted Funds	\$595.92
(Operating Expenses plus Research)	
Fruit Garden Funds	\$ 21,329.53
Total Funds on hand 8/17/08	\$21,925.45

Foundation Sponsored Research

Income

Donations	\$0.00
-----------	--------

Expenses

WSU Addendum #18 (for fruit research)	\$6,450.00
Narf fee	\$169.00

Total Expenses	\$6,619.00
-----------------------	-------------------

Fruit Garden Funds Summary

Income

Donations	\$15,138.97
Cap Sales	\$180.00

Total Income	\$15,318.97
---------------------	--------------------

Fruit Garden Sign	\$760.97
Cost of caps	\$965.32
Fruit Garden expenses	\$2402.62

Total Expenses	\$ 4128.91
Difference	\$11,190.06

Operating Expenses

Income

Book Sales	\$80.00
Membership Dues	\$4,855.00
Spring Field Day	\$1,130.90

Total Income	\$ 6,065.90
---------------------	--------------------

Expenses

Fall Field Day (2007)	\$ 187.52
Spring Field Day	\$ 80.13
Bank Charges	\$ 21.50
Flower and Garden Show (Deposit for 2009)	\$300.00
General Liability Insurance	\$730.00
Director's Liability Insurance	\$772.00
Travel Expenses	\$168.00
Internet Connection Fee	\$120.00
Printing & Mailing	\$2,889.13
WA State Filing Fee	\$10.00

Total Expenses	\$5,278.28
Difference	\$787.62

Totals

Total Income (All Categories)	\$ 21,384.87
All Expenses (All Categories)	\$16,026.19
Difference	\$5,358.68

We owe \$2150 on Addendum #18 (2007)

Letter of Intent to Fund Addendum #19 has been mailed.

Donations eligible for matching funds: \$15,138.97.

Currently our non-restricted funds are low because we are routing as much of the funding as possible through the Fruit Garden to obtain the matching funds. This is a temporary situation. Your membership dues are going to pay operating expenses, as well as help fund research. It is normal for many members to pay their dues in the fourth quarter. Please renew your membership promptly if your renewal time is near.

All unmarked donations will be allotted to the Fruit Garden in order to obtain the matching funds until either the deadline is reached in November or the goal of \$27,500 for matching is reached.

2008 Calendar of Events



September 6 (Sat)

Sample Harvest: Asian Pears, Apples 11:00

October 11 (Sat)

Fall Open House 9:00-2:00

Apple ID!! Professional w/ graduates of Systematic Pomology

Anthracoze report: Chang-Lin Xiao Tree Fruit Research WSU

Soil Fertility: Darin Heiland

Sample The Harvest Day: Apples, Pears 1:00

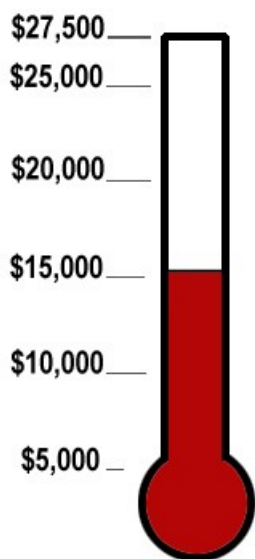
Visit our 7-acre **Fruit Display Garden** exhibiting espaliers, antique apples, rootstock comparisons, and many of the best fruit varieties for Western Washington!

LOCATION: Events held at Washington State University,
Northwest Washington Research and Extension Center, 16650 State Route 536, Mount Vernon, WA.

Always check the website before attending Sample Harvest days to make sure the harvest is proceeding as scheduled!

MORE INFO AT: <http://www.wwfrf.org>

Fruit Display Garden Support



Fruit Garden Donation Thermometer

We are over half way to our goal of \$27,500, which will be matched to make \$55,000 for the Fruit Garden!

Only two months to go. Make a donation by November 10th to see your money double before it's too late!

Credit cards now accepted!

Western Washington Fruit Research Foundation has teamed with Network for Good, an organization assisting non-profit organizations and charities with fundraising. Through Network for Good, charge cards can now be accepted for dues and donation payments. Here's how to donate:

- 1) Go to www.networkforgood.org (we will soon have a direct link on our website to Network for Good.)
- 2) On the first screen, type 'Western Washington Fruit Research Foundation' in the box labeled 'charity'

- 3) On the second screen click 'donate now'
- 4) On the third screen, type in the amount you wish to give and specify whether this is a one-time or recurring donation. Also, in the box labeled 'designation', please specify whether you are paying membership dues or giving a donation, or giving a donation specified for the demonstration garden.
- 5) The fourth screen gives you the option to change the information you have given. Click 'proceed to checkout'.
- 6) Subsequent screens ask you for your email address, credit card information and other relevant data. You also have the option to add an additional 4.75% of your donation to your total to cover the amount we pay Network for Good for processing.
- 7) You will receive an acknowledgement of your donation by email.

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: <http://www.networkforgood.org/> and type in "Western Washington Fruit Research Foundation" in the box labeled "charity".

Please designate my monetary gift toward:

- ☐ Where it is needed most!
- ☐ Fruit Display Garden
- ☐ Fruit Variety Trials
- ☐ Sampling and Field Days

I would like to volunteer!

- ☐ In the Display Garden
- ☐ On a WWFRF committee
- ☐ On sampling and field days
- ☐ Tell me how I can help

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: Walter Kropp
WWFRF Treasurer
29838 Marine View Dr. SW
Federal Way, WA 98023

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

Fall Cleanup!

Destroy those leaves!!!

Here you see our goat Spirit and her 3 kids. Did you know that goats love to eat apple leaves? Since every apple leaf left on the ground over the winter is my enemy in the fight against scab I plan to set them loose as seek and destroy missiles once our apple leaves have fallen since they will sniff out and eat the leaves off the ground. Apple scab over winters in the leaves on the ground, and sends out spores from the time the trees begin to show growth until after bloom, so if there are no leaves in which to over winter, there will be very little scab to infect your trees next spring.

If you don't have goats, you can rake the leaves to burn or compost them. If your neighbors have apple trees near yours you may need to volunteer to help them rake their leaves, too, because the scab spores can travel quite a distance. *By Kim Siebert*



The Life of Apple Scab



Ever had an apple that looked like this?

The spores that caused these lesions began their journey from a leaf lying on the ground. Maybe it came from the same tree as the apple or maybe it came from a neighboring tree, but scab colonized the leaf and in the spring it burst out with a multitude of spores and drifted through the air until it landed on an apple blossom and the conditions were damp for long enough that the spore hatched and gave birth to the ugliness you see here. The scientific name for apple scab is *Venturia inaequalis*. The amount of time the leaves or blossoms must stay wet in order for the spores to germinate varies with the temperature, but there is really no need to worry about that, because it would be a rare spring indeed that did not deliver ideal conditions for germination of scab spores in Western Washington. You can safely assume that whatever spores manage to land on your trees will have the opportunity to germinate.

The initial infection, which came from leaves, will create a new batch of spores which are in turn released from the live leaves and fruit to cause secondary infections which can be worse than the first infections although the fruit gradually becomes more resistant to new infection as the season progresses. In the fall the cycle starts all over again when the leaves fall to the ground to become colonized with next year's batch of spores.

What can a home grower do? Meticulously remove the leaves and fallen fruit in the fall and avoid susceptible varieties. The less you want to pick up leaves and spray, the more resistant the varieties you plant should be, but for best results pick up the leaves even if you have resistant varieties. Pruning for good air circulation will also help. Since I don't spray poisonous substances on my trees I am not addressing that method, but it is acceptable to some people and you can learn more about it at our winter field day if you wish. It is not practical for commercial growers to remove all of the leaves so they rely on sprays, but homeowners are able to reduce exposure by removing the leaves and should be able to get good results most years without spraying if they avoid susceptible varieties. But there are some very delicious varieties that are very susceptible, so what if you just have to plant one of those? Try to plant as few as possible and don't plant susceptible varieties near each other and be religious about leaf cleanup in the fall. *By Kim Siebert*

Tell us your experiences with scab...

Which apples get the least scab in your garden? Which ones the most? Do you feel that some of the apples in the boxes below should go in different boxes? Send an email to KimSiebert@gmail.com and tell me and I will report the comments in the Spring, 2009 newsletter.

Kim Siebert

How Resistant Are these Apples?

When you are looking for scab resistant apples, which will you choose?

Box number 1, box number 2, or box number 3?

Check on page 9 for the answers.

Box number 1

McIntosh
Red Delicious
Melrose
Cox's Orange
Elstar
Gala
Fuji
Rubinette
Jonagold
Gravenstein
Northern Spy
Mutsu

Box number 2

Enterprise
Liberty
Chehalis
William's Pride
Pristine
Spartan
Hudson's Golden Gem
Tompkin's King
Releika
Resi
Goldstar
Bramley
Dayton
Prima
Rajka

Box number 3

Ashmead
Fiesta
Honeycrisp
Jonathan
Karmijn de Sonnaville
Alkmene (Alkemene)
Boskoop
Spartan

WWFRF Tee Shirts are coming!!

At the October Field Day.





Zach and Zayn had a great time at the Cherry Sample Day!

Photo by Richard Fairfield

WWFRF July 26, 2008 Board Meeting Held at WSU Mount Vernon

By Kim Siebert, WWFRF Recording Secretary, Board Member

Meeting begun at 8:00 am in the Gazebo.

Members present: De Arbogast, Tom Wake. Walter Kropp, Bradley Smith, Kristan Johnson, Kim Siebert, JoAnn Alidina, Marlene Falkenbury, Tarn Mower.

Treasurer's Report – Walt – Donations this year are going to the Fruit Garden for the matching funds. The Fruit Garden has \$21,898.00, not counting the matching funds.

Kristan made a motion to authorize Walt to make arrangements to invest the money in CD's. Seconded by Tarn. Passed.

We have \$-390.42 in non-restricted funds. (*See treasurer's report for current level*)

We may need new insurance to protect against discrimination suits if we hire personnel.

Kristan made a motion that we accept the Treasurer's report, seconded by Brad. Passed.

Membership – Jo – We currently have 249 members. A committee was formed to improve data base management with Jo as the chair and Brad and Tarn as members.

Kristan motioned that we authorize Brad to spend up to \$300 for Access and other technical support programs we may need through Tech Soup, a company which provides donated and discounted technology for non-profit organizations. Seconded by Kim. Passed.

Fund Raising – Tom made a motion that we hire Brad Smith on a contractual basis at \$835 a month for the rest of this year, to be reviewed at the November meeting. Brad will be doing education and outreach in addition to managing the Fruit Garden. Seconded by Jo. Passed.

Display Garden Sign – Kristan made a motion that he be authorized to have a panel made with the partnership logo to add to the Display Garden entry sign. Seconded by Brad. Passed with 1 vote against.

Speakers for Fall Open House – Dr. Norton and Bill Davis will be doing apple ID. There will be a presentation on anthracnose by Dr. Chang-Lin Xiao and possibly a presentation on irrigation.

Flower and Garden Show – Rachael Petrich will chair the committee for the Flower and Garden Show.

Meeting ended at 10:30 am.

Answers for scab resistant apples.

Box number 2 has scab immune and very resistant apples.

Box number 3 has somewhat resistant apples.

Box number 1 has scab magnets.



Fall Field Day / Apple ID

October 11, 2008

Western Washington Fruit Research Foundation

Held at:

Washington State University, Northwest Washington Research and Extension Center

16650 State Route 536, Mount Vernon, WA 98273



8:30 - 9:00 AM Registration—All members & non-members must first register and pay (if membership is not up-to-date)

Admission Fee for WWFRF Members: Included in annual paid dues

Admission Fee for Non-Members: \$15.00/ Individual; \$25.00/ Family (One household only, does not include parents or grown children not living with members)

Free/ Children age 12 and below; Free/ Caregivers

9:00 – 9:45 AM Apple Identification – Dr. Bob Norton
(Auditorium)

9:45 – 9:55 AM BREAK

9:55 - 10:10 AM Anthracnose Report – Chang-Lin Xiao
(Auditorium) Panel will allow time for questions.

10:15 – 10:55 AM Soil Fertility - Darin Heiland

10:00 – Noon Apple ID and Antique Apple Tasting
(Lobby)

10:25 - 10:35 AM BREAK

11:05 – 12:00 PM Drip Irrigation – Kristan Johnson

Fruit Horticulture – Quarterly Report August 2008

Jacky King & Gary Moulton

Due to the cold late spring which delayed fruit set and ripening, the first of the seasonal orchard tours and harvest sampling for WWFRF members had to be postponed for two weeks. It took place on Saturday, July 28; a meeting of the Board of Directors was held from 8 – 11 AM, followed by a tour and harvest of the netted cherry block. The cherry crop was good this year and due to the dry weather there was very little cracking or rot, so plenty of good varieties were available for evaluation and sampling.

Unfortunately, most of the peaches, nectarines and plums set very poorly this year. After looking over the test orchards, we decided to cancel the fruit sampling day on August 11. However, the scheduled talks by Kristan Johnson and Gary Moulton on “How-To Methods for Drip Irrigation in Home Gardens” were presented at 2 PM, and a new informational kiosk on drip irrigation basics, located in the Demonstration Fruit Garden, was officially opened. The funds for this informational display were provided in part through a grant from Western Region SARE (Sustainable Agriculture Research & Education) to Dr. Carol Miles.

On June 30, 2008 a beginners’ workshop on starting a winery and making wine was held at WSU Mount Vernon NWREC. The workshop included a number of topics by various speakers, both from WSU and from commercial wineries. The presentations can be viewed at the website here: <http://learningcenters.wsu.edu/skagit/wine.html#viti>

WWFRF and other interested parties continue to work on finding new sources of funding for the tree fruit program at Mount Vernon or ways to expand the existing funding. We are setting priorities so that most of the required maintenance can be handled by current staff, since funds for other help are very limited. Some of the test plots have been downsized or eliminated. We are focusing more intensively on a few areas and looking at possible new varieties to include in future trials.

BENEFITS OF MEMBERSHIP

Annual memberships cost \$25/year for Individuals and \$40/year per Family (One Household only). Membership entitles you to the newsletter, participation at all Field Days/Open Houses and Harvest Days, at no additional charge; other types of memberships are also available. Visit www.wwfrf.org and download the membership form OR contact **JoAnn Alidina, Membership Chair at (206) 789-1106, email: alidina.j@comcast.net** for a membership form.

The **WWFRF Newsletter** is printed 3x/ year in February, June, and September and mailed or emailed to all members.

FIELD DAYS/ OPEN HOUSES are free to members, and open to non-members for One-Day only fees of @ \$15/ Individual and \$25.00/ Family

(One immediate household only, max. 4 persons/household) at **each** event.

- The **Spring Field Day/ Open House** is usually held at the end of **February**, and consists of hands-on pruning, grafting and budding, talks on insects and pests, scion wood sale, and root stock sale.
- The **Fall Field Day/ Open House** is usually held in **October** (and includes the *Fall Sample Day for the same fee*), and covers various topics e.g., best fruit varieties for our area, harvest techniques, preservation and storage, orchard mason bees, fertilizer and nutrition, home wine and cider production, and fruit tasting.

SAMPLE DAYS are free to members, and open to non-members @ \$15/ Individual and \$25.00/ Family (One household only) at **each** event:

- **Sample Days** are held in **July, August, September, and October**. The following fruit is harvested in season: cherries, peaches, nectarines, pears, plums, and apples. Paid members and non-members are allowed to keep their portion of the harvested fruit.
- **Special Volunteer Harvests** occur on an as-needed basis to assist the WSU NWREC staff in harvesting specific fruit for data collection. This harvest is open to paid members only, and paid members are allowed to keep a portion of the harvest.

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.**



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*)
- _____ \$ _____ FOR **GIFT** MEMBERSHIP FOR: (Please note for Whom Above)
- _____ \$60 FOR ANNUAL **SUSTAINING** MEMBERSHIP (*Individual or family membership with higher level of financial support*)
- _____ \$60 FOR ANNUAL **CIDER APPLE SUSTAINING** MEMBERSHIP (*Sustaining membership with interest in cider apples*)
- _____ \$60 FOR ANNUAL **WINE GRAPE SUSTAINING** MEMBERSHIP (*Sustaining membership with interest in wine grapes*)
- _____ \$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**
- _____ \$25 FOR **FAMILY One-Day** OPEN HOUSE/FIELD DAY **ONLY** (*One household only; maximum 4 persons*)

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 A **FIELD DAY** (Field Days are usually held in February and October every year)
- _____ TO HELP AT THE **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 WITH **SPECIAL FRUIT HARVESTING DAYS**, IN SEASON, AT THE WSU NWREC

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

WWFRF
C/O Walter Kropp, Treasurer
29838 Marine View Drive SW
Federal Way, WA 98023



In this Issue!

The Kiosk

Fall Field Day

Apple Scab

WWFRF Tee Shirts Coming!

The color version of this newsletter may be found on our website at:
www.wwfrf.org

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.

Western Washington Fruit Research Foundation (WWFRF)

C/O Walter Kropp
29838 Marine View Dr. SW
Federal Way, WA 98023
www.wwfrf.org

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

ADDRESS SERVICE REQUESTED

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