

Ohio Fruit ICM News

Volume 16, Issue 6

August 17, 2012

The Ohio State University

Greetings from Gary

Dear Ohio Fruit Growers:

What a crazy season it has been so far! I thought we had enough of the bad weather when we were done with spring freezes.

Many strong storms came our way and caused widespread power outages and serious damage to some trees, greenhouses, high tunnels and barns. It was really wild to see large trees were uprooted. Many huge tree limbs were broken off. Some of them were blown quite a distance. I saw one large branch landed on an overhead

road sign. It just did not seem possible for a branch that big to be blown that high and that far! I guess this is what happens when we get wind at 80 plus mph!

The heat wave and dry weather did not help either. Many fruit crops and vegetables were stressed by drought. It was very hard for growers to keep up with the irrigation.

On July 5, we received rain at OSU South Centers in Piketon. I was very happy, well just for 5 minutes. Then hail came. I could not help thinking what the hail could do to our fruit crops.



Dr. Gary Gao, Editor

Fortunately, our blueberries were harvested. However, our wine grapes were not as lucky as they received significant damage. Refer to my article on hail for more information.

Well, enough of the crazy weather. It was really good to see many of you at the OPGMA Summer

Continued on page 2

Inside this issue:

Greetings from Gary	1
Southeast Strawberry Expo	2
Hail damages winegrapes at OSU South Centers	3
Wayne County Trap Reports	4
USDA Map of 95° Days	5
OSU Fruit Specialists	6-7



Greetings from Gary

Continued from page 1

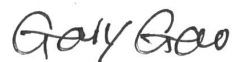
Field Day at Eshleman Orchards in Clyde, Ohio. A group of my colleagues staffed the OSU Diagnostic Table. We received quite a few questions. Drs. Mike Ellis, Celeste Welty, Fulya Baysal-Gurel, Ms. Nancy Taylor, and I were there. I would like to thank Steve Carver, Mike Hirsch, Lisa Schacht, Richard Wander, and others for their help. My appreciation also goes to the fine folks at the Eshelman's Orchards. They did a great job hosting this event. I bought a few plums there. They were delicious! It was a good day!

I would like to thank OPGMA and Ohio Vegetable and Small Fruit Research and Development Program for their support of our research and outreach programs.

These funds help make many of our projects possible. We also thank you for your financial contribution to this important program!

Apple harvest has officially started in many parts of the state. Please let us know, if we can be of any help!

Sincerely,



Gary Gao, Ph.D.
Extension Horticulturist and Associate Professor

Southeast Strawberry Expo Information

by Gary Gao

November 7-10, 2012. is the Southeast Strawberry Expo at the Hilton Charlotte University Place, Charlotte, NC. This event includes a farm tour, workshops, educational sessions, and trade show.

The Expo is the leading strawberry event in the Southeast. It focuses on commercial plasticulture production and attracts attendees from as far away as Texas, Michigan, Canada, and Massachusetts.

For more information, contact:

Debby Wechsler
North Carolina Strawberry Association
Website: www.ncstrawberry.com
info@ncstrawberry.com
Phone: 919-542-4037



Hail Damages Wine Grapes at OSU South Centers in Piketon

by Gary Gao

A hail storm hit OSU South Centers in Piketon around 5:30 pm on July 5, 2012. I was initially happy to see rain. However, hail came shortly after the storm started.

Most hail that fell that evening were about pea size. However, some of them were marble size. Once a while, I saw a few hail stones that were about cherry size.

This hail storm caused quite a bit of damage to our fruit crops, especially to our wine grapes. There were a lot of damage to fruit clusters, berries,



Hail stones from the hail storm on June 6th, 2012.
Photo by Gary Gao

Hail damage to young shoots. Photo by Gary Gao

leaves and even shoots. Just about every cluster had damaged berries.

I took a few pictures of the damage on July 9. It was definitely not a pretty sight. Some of the leaves were shredded while berries were bruised and turned brown. The hail also left marks on the shoots.



Hail damage to grape berries at OSU South Centers in Piketon. Photo by Gary Gao



Wayne County Trap Reports

By Rory Lewendowski

Week of June 25:

Codling Moth (4 orchards): 16
Oriental Fruit Moth (peaches, 3 orchards): 3
Peach Tree Borers (3 orchards): 0
Lesser Peach Tree Borers (3 orchards): 22
Brown Marmorated Stink Bug (4 traps in black raspberries): 0
2-spotted Drosophila fly: (6 traps: 4 in raspberries and 2 in grapes): 0

Week of July 2:

Codling Moth (4 orchards): 21
Oriental Fruit Moth (peaches, 3 orchards): 15
Peach Tree Borers (3 orchards): 37
Lesser Peach Tree Borers (3 orchards): 40
Corn Earworm: 4
Brown Marmorated Stink Bug (4 traps in black raspberries): 0
2-spotted Drosophila fly: (6 traps: 4 in raspberries and 2 in grapes): 0

Week of July 9:

Codling Moth (4 orchards): 94
Oriental Fruit Moth (peaches, 3 orchards): 3
Peach Tree Borers (3 orchards): 9
Lesser Peach Tree Borers (3 orchards): 10
Corn Earworm: 20
Brown Marmorated Stink Bug (4 traps in black raspberries): 0
2-spotted Drosophila fly: (6 traps: 4 in raspberries and 2 in grapes): 0

Week of July 16:

Codling Moth (4 orchards): 116
Oriental Fruit Moth (peaches, 3 orchards): 7
Peach Tree Borers (3 orchards): 0
Lesser Peach Tree Borers (3 orchards): 12
European Corn Borer: 13
Corn Earworm: 5
Brown Marmorated Stink Bug (4 traps in black raspberries): 0
2-spotted Drosophila fly: (6 traps: 4 in raspberries and 2 in grapes): 0
Apple Maggot (3 orchards): 39

Continued on page 5

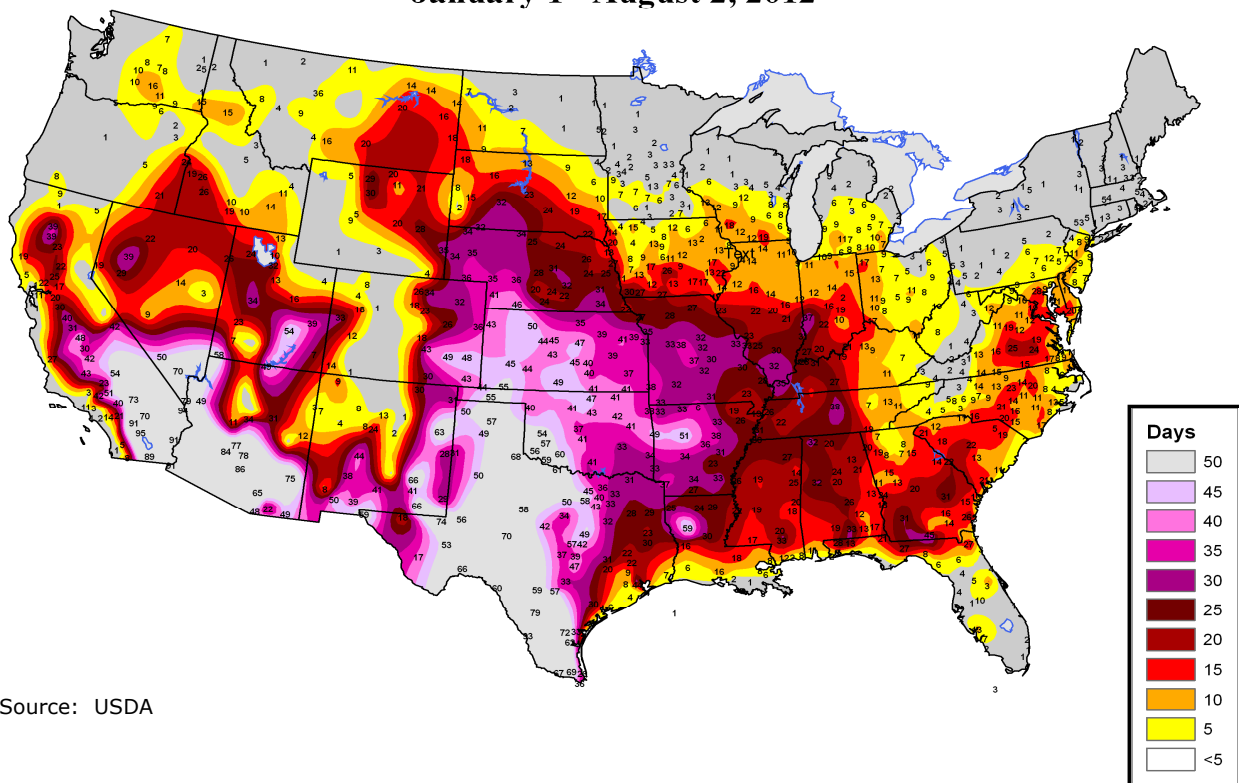
Wayne County Trap Reports

(continued from page 4)

Week of July 23:

Codling Moth (4 orchards): 91
 Oriental Fruit Moth (peaches, 3 orchards): 6
 Peach Tree Borers (3 orchards): 0
 Lesser Peach Tree Borers (3 orchards): 4
 European Corn Borer: 4
 Corn Earworm: 3
 Brown Marmorated Stink Bug (4 traps in black raspberries): 0
 2-spotted Drosophila fly: (6 traps: 4 in raspberries and 2 in grapes): 0
 Apple Maggot (4 orchards): 1

Number Days $\geq 95^{\circ}\text{F}$ January 1 - August 2, 2012



OSU Fruit Specialists

Name and Title	Contact Information	Expertise
Brad Bergefurd Horticulture Specialist OSU South Centers 1864 Shyville Rd. Piketon, OH 45661	Phone: 740-289-2071, ext. 136 Email: bergefurd.1@osu.edu Website: http://southcenters.osu.edu/hort	Small fruit crops and wholesale produce auction development and operations.
Dr. Imed Dami, Associate Professor & Viticulture State Specialist Dept. of Hort. & Crop Science 216 Gourley Hall—OARDC 1680 Madison Avenue Wooster, OH 44691	Phone: 330-263-3881 Email: dami.1@osu.edu Website: oardc.osu.edu/grapeweb/	Viticulture research and statewide Extension & outreach programs. Recommendation on variety selection. Imed is the primary research contact of the viticulture program.
Dr. Doug Doohan, Associate Professor Dept. of Hort. & Crop Science 205 Gourley Hall – OARDC 1680 Madison Avenue Wooster, OH 44691	Phone: 330-202-3593 Email: doohan.1@osu.edu Website: http://www.oardc.ohio-state.edu/weedworkshop/	Weed control in fruit crops.
Dr. Mike Ellis, Professor Dept. of Plant Pathology 224 Selby Hall—OARDC 1680 Madison Avenue Wooster, OH 44691	Phone: 330-263-3849 Email: ellis.7@osu.edu Website: http://plantpath.osu.edu/	Tree fruit and small fruit disease control.
Dr. Gary Gao, Small Fruit Specialist & Associate Professor OSU South Centers 1864 Shyville Rd. Piketon, OH 45661	Phone: 740-289-2071. ext. 123 Email: gao.2@osu.edu Website: http://southcenters.osu.edu/hort	Management of blackberries, raspberries, blueberries, currants, gooseberries, grapes, and strawberries.
Dr. Joseph Kovach Associate Professor, Entomology 138 Selby—OARDC Wooster, OH 44691	Phone: 330-263-3846 Email: kovach.49@osu.edu Website: http://ipm.osu.edu	Fruit IPM, high tunnels
Rory Lewandowski Extension Educator, Ag/NR OSU Extension Wayne County 428 W. Liberty St. Wooster, OH 44691	Phone: 330-264-8722 Email: lewandowski.11@osu.edu Website: http://wayne.osu.edu	Fruit IPM
David Marrison, County Director, Assistant Professor & Extension Educator, Ag/NROSU Extension – Ashtabula County, 39 Wall Street, Jefferson, OH 44047	Phone: 440-576-9008 Email: marrison.2@osu.edu Website: http://ashtabula.osu.edu/	Grape production in northeast Ohio.

OSU Fruit Specialists

Name and Title	Contact Information	Expertise
Dr. Diane Miller, Associate Professor, Tree Fruit Specialist Dept. of Hort. & Crop Science 203A Williams Hall 1680 Madison Ave. Wooster, OH 44691	Phone: 330-263-3824 Email: miller.87@osu.edu	Tree fruit research and Extension.
Steve Prochaska, Extension Educator and Associate Professor, OSU Extension - Crawford County 112 E Mansfield St Bucyrus, OH 44820	Phone: 419-562-8731 Email: prochaska.1@osu.edu	Grape production in northeastern Ohio.
Dr. Jozsef Racsko, Tree Fruit Coordinator & Outreach Specialist 205A Williams Hall OARDC-Wooster Wooster, OH 44691	Phone: 330-263-3883 Email: racsko.1@osu.edu	Tree fruit production.
David Scurlock Viticulture Outreach Specialist 118 Gourley Hall – OARDC 1680 Madison Avenue Wooster, OH 44691	Phone: 330-263-3825 Email: scurlock.2@osu.edu Website: oardc.osu.edu/grapeweb/	Evaluation of site suitability for vineyard establishment and all aspects of grape production practices in northern Ohio. David is the primary Extension contact of the viticulture program.
Dr. Celeste Welty, Associate Professor & Extension Entomologist Extension Entomology Rothenbuhler Labs 2501 Carmack Rd. Columbus, Ohio 43210	Phone: 614-292-2803 Email: welty.1@osu.edu http://bugs.osu.edu/welty/index.html	Tree fruit insect and mite control.
Dr. Roger Williams, Professor Dept. of Entomology 202 Thorne Hall OARDC 1680 Madison Avenue Wooster, OH 44691	Phone: 330-263-3731 Email: williams.14@osu.edu Website: http://entomology.osu.edu/	Small fruit insect and mite control.

Ohio Fruit ICM News

**Ohio Fruit ICM
News is archived
at**

**[http://go.osu.edu/
ICMNews](http://go.osu.edu/ICMNews)**

If you have articles or events for possible inclusion in upcoming issues of this newsletter, please submit them to:
Dr. Gary Gao
gao.2@osu.edu



Subscribe to OGEN—Ohio Grape Electronic News—for the latest commercial grape growing and vineyard news by emailing:

Dave Scurlock

scurlock.2@osu.edu

<http://www.oardc.ohio-state.edu/grapeweb/>

**Ohio Fruit ICM News
Dr. Gary Gao, Editor
Small Fruit Specialist & Associate Professor
OSU South Centers**

**1864 Shyville Road, Piketon, OH 45661
<http://southcenters.osu.edu/hort>
740-289-2071, ext. 123
gao.2@osu.edu**

NOTE: Disclaimer - This publication may contain pesticide recommendations that are subject to change at any time. These recommendations are provided only as a guide. It is always the pesticide applicator's responsibility, by law, to read and follow all current label directions for the specific pesticide being used.

Due to constantly changing labels and product registrations, some of the recommendations given in this writing may no longer be legal by the time you read them. If any information in these recommendations disagrees with the label, the recommendation must be disregarded. No endorsement is intended for products mentioned, nor is

criticism meant for products not mentioned. The author and Ohio State University Extension assume no liability resulting from the use of these recommendations.

**Central Ohio Poison
Control Number
(800) 222-1222**

Ohio State University Extension embraces human diversity and is committed to ensuring that all research and related educational programs are available to clientele on a nondiscriminatory basis without regard to race, color, religion, sex, age, national origin, sexual orientation, gender identity or expression, disability, or veteran status. This statement is in accordance with United States Civil Rights Laws and the USDA.

Keith L. Smith, Ph.D., Associate Vice President for Agricultural Administration and Director, Ohio State University Extension

TDD No. 800-589-8292 (Ohio only) or 614-292-1868