



NAPGA E-zine

A Publication of the North American Pawpaw Growers Association

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Suckers or Unwanted Shoots On Grafted NA Pawpaws

Be sure to check your grafted plants for buds breaking below the graft or even root suckers. These all need to be removed or they will outgrow the graft. The picture was sent by NAPGA member, Tony Burwell of a grafted NA pawpaw, a Peterson selection named Allegheny. The stem painted with white paint is the grafted stem and the two other non-green stems are root suckers. As you can see, the root suckers have out grown the graft.



New Use for the NA Pawpaw: Shrubs

Marc Boone pictured here is showing Jess Sanchez McClary his pawpaws.



Marc is harvesting fruit for McClary Bros to make a Drinking Vinegar.

Drinking Vinegars, more commonly referred to as "Shrubs", are a

Colonial-era drink mixer, combining organic, unpasteurized fruit cider vinegar with fresh, seasonal ingredients and organic cane sugar. The result is a refreshing, exciting mixer that can be used as a cocktail or shrub soda.

The pawpaw-flavored vinegar is part of a new product line, Forgotten Flavors, that will feature unusual Michigan crops. The source for the majority of their fruits, vegetables and herbs are from local farmers. These farmers grow in Detroit, in the Detroit-Metro area and in the Southeast Michigan region.

All of their Vinegars are manufactured at Forgotten Harvest, the metro Detroit food rescue. Through Workforce Development programs, the individuals handcrafting our products are being retrained in food manufacturing.

Contact NAPGA or OPGA: <http://www.NAPGA.com> or www.Ohiopawpaw.com

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The Fourth International Pawpaw Conference

"100 years of pawpaw"

September 1-3, 2016
Frankfort, Kentucky

Registration Form

Name: _____

Address: _____

City: _____ State/province: _____

ZIP/postal code _____

Country: _____

University or Company Affiliation _____

Phone: Day (_____) _____ Evening (_____) _____

Email: _____ Number of guests attending: _____

Name you would like on name tag: _____

Guest's name on tag, if attending: _____

Registration for one person	\$90.00
Additional Guest Registration	\$80.00
Total tendered:	

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Pre-Registration is required before the meeting and must be paid by August 19, 2016. Mail this form and check made payable to The Ohio Pawpaw Growers Association (do not send cash) to: Blair Hess/Conference Registration, Cooperative Extension Building, Kentucky State University, Frankfort, KY 40601

The registration fee covers: abstract book, conference proceedings, conference gift items, coffee breaks/ continental breakfast, lunches and Friday and Saturday night dinners. Call Blair Hess at 502-597-5120 if you have questions. There are 40 rooms (\$89 per night) being held at the Capital Plaza Hotel in Frankfort until August 1, 2016 for the conference. You must call the Capital Plaza Hotel (502-227-5100) and make your own reservations on your own credit card before this date. The rooms are blocked under "KSU Pawpaw." Information on other Frankfort accommodations is available at: <http://www.visitfrankfort.com>

Schedule of Events

Thursday, September 1st, 2016

Pawpaw Tour

8:30 am Depart Frankfort
 10:30 am Arrive at England's Orchard and Nursery, McKee, KY for nursery and orchard tour
 1:00 pm Depart England's Orchard and Nursery

Lunch

2:45 pm Arrive Cove Spring Park in Frankfort
 3:45 pm Depart Park
 4:00 pm Return to Frankfort
 Dinner on your own

Friday, September 2nd, 2016

Campus Presentations, Kentucky State University Extension Building

8:00 am Registration and Continental Breakfast and Entries for Best Pawpaw Contest Submitted
 9:00 am Welcome, President Thompson (KSU), Kirk Pomper (KSU), and Ron Powell (Ohio Pawpaw Growers Association)
 9:15 am Recognition of the 100th Anniversary of the 1916 American Genetics Best pawpaw Contest, Neal Peterson (Peterson Pawpaws)

Pawpaw Around the World

10:00 am Pawpaws in Romania, Florin Stanica, University of Agricultural Sciences and Veterinary Medicine, Bucuresti, Romania

10:30 am The Indiana Banana, Helmut Pirc, Austria
 11:00 am Break
 11:10 am Propagation of Pawpaw and All Year Grafting. Marko Viher, Slovenia
 11:40 am Propagation of Pawpaw, Stephan von Rundstedt, Bock Bio Science
 12:10 pm Lunch
 1:00 pm Pawpaw in Japan, Hideka Kobayashi (KSU) New Topics in Pawpaw
 1:30 pm Pawpaw: Production/Market Research and Outreach to Advance the Development of this Unique Native Specialty Crop Michael A Gold and Zhen Cai (University of Missouri Center for Agroforestry)
 2:00 pm Ohio Pawpaw Festival: 18 years of Celebrating The Pawpaw, Chris Chmiel (Integration Acres)
 2:30 pm Understanding Controls on Fruit Production in Wild Pawpaw Patches, G. Matt Davies*, Liberty Brigner & Brad Bergefurd (Ohio State University)
 3:00 pm Break
 3:15 pm A Decade of Pawpaw Fruit Research: A Food Scientist's Perspective, Rob Brannan (University of Ohio)
 3:45 pm Effects Of Hot Water and Acidic Electrolyzed Water on Microbial Load and Quality Characteristics of Pawpaw Fruits, Changzheng Wang*, Gidgett Taylor, Lingyu Huang, Cheri Crabtree, Jeremy Lowe, Kirk Pomper, and Cecil Butler (KSU)
 4:00 pm Selecting a Better Pawpaw, Jerry Lehman (Indiana Nut Growers Association)
 4:30 pm Acetogenin Update, Kirk Pomper (KSU)
 5:00 pm Break and Networking
 6:00 pm Dinner in the KSU Student Center Ball Room (Show and Tell Session and State Reports)

Saturday, September 3rd, 2016

Farm Presentations and Roundtables
 KSU Harold R. Benson Research and Demonstration Farm
 9:00 am Pawpaw 101, Kirk Pomper (KSU)
 9:30 am Pests and Diseases of Pawpaw, Jeremy Lowe (KSU)
 9:50 am Processing Pawpaw, Sheri Crabtree (KSU)
 10:10 am Bark inlay Grafting and SARE project, Neal Peterson (Peterson Pawpaws)

10:40 am Break

10:50 am Growing Pawpaw in Ohio, Ron Powell (Ohio Pawpaw Growers Association)
 11:10 am Grower Round Tables and Discussion, Moderator: Ron Powell (Ohio Pawpaw Growers Association)

12:10 pm Lunch

1:00 pm Pawpaw Marketing Roundtable
 1:30 pm Orchard Tours, Propagation Demonstration, and Processing Demonstration
 3:00 pm Introduction of KSU-Benson™
 3:15 pm Pawpaw Tasting, Networking, and Poster Viewing
 5:30 pm Best Pawpaw Competition Winners

6:00 pm Dinner with Featured Speaker Mr. Andy Moore

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Irrigation

by Tony Russell

Keeping your pawpaw tree watered during summer months is critical to its health and development. Trees that don't get enough water will usually drop a substantial amount of their fruit.

When you cultivate pawpaws at or near your home, it is reasonably easy to adjust your watering as needed to cope with hot and dry conditions. But when your growing site is located some distance from where you live, keeping your trees water can be a real challenge.

The two primary challenges with remote cultivation are how to provide a supply of water to your site and then how to get there to administer it.

On-Site Water Supply: ideally you have a water source onsite or nearby. A pond or stream usually make ideal sources of water for your trees. If you have one of these sources, the next step is figure out how to transport them. Simply using a bucket or other container will work with just a few trees. But where a larger number of trees or a substantial distance from your water source are involved, you need to examine a pumping solution. I have some suggestions that I'll cover shortly.

Transporting Water: If you have to bring water to your site, you can reuse one gallon milk jugs as we did for several years. But as you increase the number of trees, the gallon jug approach becomes impractical. Another idea is to obtain a plastic barrel. These are readily available in 30 and 55 gallon sizes. Along with the barrel, you will have to devise a method of pumping the water to where you need it. You can find manual hand pumps online for very little money which connect to a common garden

hose. This is probably the least expensive solution. At our place, we use a 55 gallon drum and a 12 volt fresh water pump that is rated at 3.0 gallons per minute (GPM). Any faster rate than that means that much of the water will run off rather than being absorbed. It is also important for the pump to be the "on-demand" type so it shuts off when you don't need it. With this configuration, you need to water each tree about 20 seconds to dispense one gallon to each of them. We will adjust the amount of water up or down based on the condition or the leaves and surrounding soil.

In clay soils with very dry conditions, the soil can actually form a crust that allows the water to run off instead of absorbing into the soil. To combat this, we will lightly break up the soil for about 12 inches around the tree a few times over the growing season. We also replace mulch where necessary to slow this process down and to hold moisture.

Whatever method you choose to irrigate your pawpaw trees, be sure to regularly examine leaves for signs of stress. It is also a good idea to check the stem for signs of insects who use the opportunity of hot dry periods to wreak havoc on young fruit trees.

Winter is a great time to design your solution and order the irrigation supplies you will need for the growing season ahead.

A New Pawpaw Farm and Bed & Breakfast

Pawpaw Pursuits of Nashville, TN intend to create a Pawpaw farm and bed and breakfast to help raise awareness of this great North American tropical fruit. The bed and breakfast will make fresh pies, jellies and jams, cakes, breads and even ice cream and wine from the Pawpaw to sell to local restaurants and stores. Stays at the Bed and Breakfast will include possible Pawpaw picking, tours of the facilities and cooking classes.

<http://dc3690.wix.com/pawpaw-paradise>

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