

PAWPAW PICKIN'S



State Chapter:
Ohio Pawpaw Grower

Spring 2012 Volume 12, Issue 1

2012 OPGA Annual Meeting & Grafting Workshop

This year's workshop will be at Fox Paw Ridge Farm, located in Adams County, Ohio. The farm has approximately 50 acres, most of it rolling hills with a few ridge tops. Ron and Terry have over 80 selections of named North American pawpaws. There are also smaller plantings of apples, pears, persimmons, hazel nuts, a collection of various nut trees, hardy kiwis, jujube trees, and other fruit trees. Tony Russell and Greg Hoertt have agreed to be grill chefs this year. Activities will be held at the barn, and lunch will be served at the cabin since the interior is nearly finished, However, the only toilet facility will be Port O Let.

Except for the annual meeting after lunch, the day will be spent with expert grafters demonstrating various grafting methods on both fruit and nut trees. Those who are not into grafting can hang out with Terry at the cabin. Those who pay the full registration fee will receive a potted N. A. pawpaw plant to graft and take home.

We have extended an invitation to the Ohio Nut Growers Association and the Indiana Nut Growers Association to demonstrate grafting of nut trees. We will also demonstrate the grafting of other fruit trees besides the N. A. Pawpaw.

Don't miss this opportunity to learn grafting techniques from the best of the best. **You will need to register by May 7th** so we can have an accurate

headcount for lunch. Lunch, N. A. pawpaw scion wood, a grafting handout, grafting supplies, and a potted N. A. pawpaw seedling will be provided for the registration fee of \$12.00 for members and \$15.00 for non members.

The registration for The OPGA Annual meeting on May 19 and the directions to the farm can be found on page 7 of this newsletter.

We receive requests for information and questions about our activities. All of this information is just a few mouse clicks away on the OPGA website at Ohiopawpaw.com

All of our past newsletters are archived at Ohio State University AG link on our website.

Mission Statement

NAPGA

is an organization of pawpaw enthusiasts and backyard and commercial pawpaw growers, small and large, dedicated to promoting the superior traits of the pawpaw plant and fruit, developing a pawpaw industry and marketing plan, preserving and studying the wild pawpaw genetics.

2012 OPGA Annual Meeting May 19, 2012

Registration begins at 9 AM on Saturday, May 19th.

OPGA is pleased to welcome
The Ohio Nut Growers
Association (ONGA) at our annual meeting at Fox Paw Ridge Farm Manchester, Ohio - where they will demonstrate grafting of nut trees.

The registration form and directions may be found on page 7 of this newsletter.

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Please check your mailing label for membership status.

2011 North American Pawpaw Fox Paw Farm Production

Variety	Location	8/19-9/9 Oz	Lbs Fruit	Av Wgt/ Fruit	9/10-10/4 Oz	Lbs Fruit	Av Wgt/ Fruit	Total Oz	Total # Fruit	Final Av/ Fruit
421	Adams Co.	4.6	1	4.6	20.6	4	5.2	25.2	5.0	5.0
Belle	Adams Co.	29.6	6	4.9	35.8	7	5.1	65.4	13.0	5.0
Cawood	Adams Co.	26.8	6	4.5	11.8	1	11.8	38.6	7.0	5.5
Cullman Late	Adams Co.	0	0	0.0	26.6	6	4.4	26.6	6.0	4.4
Estill	Adams Co.	29.4	7	4.2	7.6	2	3.8	37.0	9.0	4.1
Glaser	Adams Co.	23.6	10	2.4	29.4	9	3.3	53.0	19.0	2.8
Kristen	Adams Co.	18.4	7	2.6	0	0	0.0	18.4	7.0	2.6
LA Native	Adams Co.	18.2	8	2.3	1.2	1	1.2	19.4	9.0	2.2
Lady D	Adams Co.	0	0	0.0	42	9	4.7	42.0	9.0	4.7
Lynn's Favorite	Adams Co.	10.4	1	10.4	0	0	0.0	10.4	1.0	10.4
Mango	Adams Co.	66.4	7	9.5	0	0	0.0	66.4	7.0	9.5
Mary Foos Johnson	Adams Co.	9.8	1	9.8	38.2	6	6.4	48.0	7.0	6.9
Middletown	Adams Co.	9	4	2.3	32.2	10	3.2	41.2	14.0	2.9
Misc	Adams Co.	1554.4	355	4.4	209.2	54	3.9	1763.6	409.0	4.3
Mitchell #1	Adams Co.	15.6	6	2.6	42.4	8	5.3	58.0	14.0	4.1
Mitchell #2	Adams Co.	35.2	12	2.9	7.4	1	7.4	42.6	13.0	3.3
Mitchell #3	Adams Co.	1.2	1	1.2	0	0	0.0	1.2	1.0	1.2
Overleese	Adams Co.	87	21	4.1	0	0	0.0	87.0	21.0	4.1
PA Gold 1	Adams Co.	6.4	3	2.1	0	0	0.0	6.4	3.0	2.1
PA Gold 4 #1	Adams Co.	35.6	11	3.2	9.8	4	2.5	45.4	15.0	3.0
PA Gold 4 #2	Adams Co.	7.6	2	3.8	0	0	0.0	7.6	2.0	3.8
Pepper #1	Adams Co.	9.4	4	2.4	0	0	0.0	9.4	4.0	2.4
Pickle	Adams Co.	38.4	14	2.7	0	0	0.0	38.4	14.0	2.7
Rana	Adams Co.	4	2	2.0	0	0	0.0	4.0	2.0	2.0
Rapahannock	Adams Co.	77.4	29	2.7	0	0	0.0	77.4	29.0	2.7
Rebecca's Gold	Adams Co.	45.4	9	5.0	12.4	2	6.2	57.8	11.0	5.3
Ruby Keenan	Adams Co.	9.4	4	2.4	19.6	3	6.5	29.0	7.0	4.1
SAB Overleese	Adams Co.	0	0	0.0	56.2	6	9.4	56.2	6.0	9.4
Seedling	Adams Co.	7.8	3	2.6	10.6	2	5.3	18.4	5.0	3.7
Seedling B-5	Adams Co.	0	0	0.0	13.2	2	6.6	13.2	2.0	6.6
Shenandoah #1	Adams Co.	52.6	12	4.4	57.3	12	4.8	109.9	24.0	4.6
Shenandoah #2	Adams Co.	19	3	6.3	5.6	2	2.8	24.6	5.0	4.9
Sue	Adams Co.	13.8	3	4.6	0	0	0.0	13.8	3.0	4.6
Sun Glo	Adams Co.	84.4	30	2.8	5.2	2	2.6	89.6	32.0	2.8
Sunflower	Adams Co.	23.4	3	7.8	23	4	5.8	46.4	7.0	6.6
Susquehanna	Adams Co.	69.4	12	5.8	178.8	21	8.5	248.2	33.0	7.5
Sweet Alice	Adams Co.	45	10	4.5	0	0	0.0	45.0	10.0	4.5
Taytwo #!	Adams Co.	17	3	5.7	0	0	0.0	17.0	3.0	5.7
Taytwo #2	Adams Co.	5.2	3	1.7	0	0	0.0	5.2	3.0	1.7
Tollgate	Adams Co.	195.2	47	4.2	26.4	5	5.3	221.6	52.0	4.3
Wells	Adams Co.	2.8	2	1.4	0	0	0.0	2.8	2.0	1.4
Wild	Adams Co.	3.8	2	1.9	9.4	3	3.1	13.2	5.0	2.6
Wilson	Adams Co.	37.2	16	2.3	6.3	2	3.2	43.5	18.0	2.4

The production at the farm continues to increase as our North American pawpaw trees mature. Unfortunately, we were not able to identify the early fruit collected at the farm. The farm is located on the Ohio River about 20 miles further south than our home. The fruit at the farm began to ripen approximately one week earlier than home. If you desire to know the beginning and ending harvest dates for any cultivar, let me know and I'll get

the information for you. The earliest fruit that ripened was August 4 and the last fruit was harvested on October 4. I was not able to add up the total weight and divided the season into two parts, August 19 to September 9 and September 10 to October 4. The results (were very interesting and became obvious some of the fruit ripened the "first" half of the season and other selections ripened in the "second" half of the season. (continued on page 3)

2011 North American Pawpaw Home Production

Variety	Location	8/19-9/9 Oz	# Fruit	Av Wgt/ Fruit	9/10-10/4 Oz	# Fruit	Av Wgt/ Fruit	Total Oz	Total # Fruit	Final Av/ Fruit
Attwood	Butler Co. 1	13.8	4	3.5	221.4	73	3.0	235.2	77.0	3.1
Greenriver Belle	Butler Co. 1	346.6	106	3.3	374.4	86	4.4	721.0	192.0	3.8
KYSU 2-11	Butler Co. 1	447.4	220	2.0	758.8	186	4.1	1206.2	406.0	3.0
KYSU 2-7	Butler Co. 1	6.6	3	2.2	184.8	62	3.0	191.4	65.0	2.9
Misc.	Butler Co. 1	16	10	1.6	65	19	3.4	81.0	29.0	2.8
Mitchell	Butler Co. 1	11.4	4	2.9	540.2	91	5.9	551.6	95.0	5.8
NC-1	Butler Co. 1	239	47	5.1	1368.4	253	5.4	1607.4	300.0	5.4
Overleese	Butler Co. 1	301	70	4.3	289.8	38	7.6	590.8	108.0	5.5
PA Gold 1	Butler Co. 1	417	173	2.4	205.6	71	2.9	622.6	244.0	2.6
Rappahannock	Butler Co. 1	44.2	17	2.6	0	0	0.0	44.2	17.0	2.6
Rebecca's Gold	Butler Co. 1	256.4	44	5.8	217.2	52	4.2	473.6	96.0	4.9
SAA Zimmerman	Butler Co. 1	351.1	60	5.9	448.4	78	5.7	799.5	138.0	5.8
Seedling	Butler Co. 1	6	2	3.0	219.4	68	3.2	225.4	70.0	3.2
Shenandoah	Butler Co. 1	97	21	4.6	126.8	19	6.7	223.8	40.0	5.6
Sue #1	Butler Co. 1	256.4	121	2.1	853.2	240	3.6	1109.6	361.0	3.1
Sue #2	Butler Co. 1	132.6	77	1.7	71.6	28	2.6	204.2	105.0	1.9
Sun Flower #1	Butler Co. 1	156.6	33	4.7	464	87	5.3	620.6	120.0	5.2
Sun Flower #2	Butler Co. 1	15.8	4	4.0	244.2	42	5.8	260.0	46.0	5.7
Sweet Virginia	Butler Co. 1	7.8	2	3.9	20.8	4	5.2	28.6	6.0	4.8
Taylor	Butler Co. 1	145	51	2.8	21.4	5	4.3	166.4	56.0	3.0
Wilson #1	Butler Co. 1	425.4	214	2.0	33	11	3.0	458.4	225.0	2.0
Wilson #2	Butler Co. 1	329.2	97	3.4	170.6	64	2.7	499.8	161.0	3.1
Attwood	Butler Co. 2	556	56	9.9	0	0	0.0	556.0	56.0	9.9
IXL	Butler Co. 2	53.2	11	4.8	116.8	24	4.9	170.0	35.0	4.9
KYSU 2-11	Butler Co. 2	76.8	22	3.5	219.6	50	4.4	296.4	72.0	4.1
KYSU 2-7	Butler Co. 2	101.8	52	2.0	12.2	6	2.0	114.0	58.0	2.0
Lynn's Favorite	Butler Co. 2	467.9	121	3.9	12.2	2	6.1	480.1	123.0	3.9
Mary Foos Johnson	Butler Co. 2	6.6	1	6.6	3.2	1	3.2	9.8	2.0	4.9
NC-1	Butler Co. 2	70.8	17	4.2	0	0	0.0	70.8	17.0	4.2
Overleese - Front	Butler Co. 2	350.2	71	4.9	4.4	1	4.4	354.6	72.0	4.9
Overleese - Rear	Butler Co. 2	204.8	38	5.4	0	0	0.0	204.8	38.0	5.4
Potomac	Butler Co. 2	38.2	8	4.8	0	0	0.0	38.2	8.0	4.8
Prolific	Butler Co. 2	24.2	6	4.0	25.6	9	2.8	49.8	15.0	3.3
Rappahannock - Fr	Butler Co. 2	114.6	51	2.2	0	0	0.0	114.6	51.0	2.2
Seedling	Butler Co. 2	3.6	1	3.6	0	0	0.0	3.6	1.0	3.6
Shenandoah - Rr	Butler Co. 2	21.4	3	7.1	19.2	3	6.4	40.6	6.0	6.8
Shenandoah Fr	Butler Co. 2	226.2	33	6.9	121.2	21	5.8	347.4	54.0	6.4
Taytwo	Butler Co. 2	274.8	84	3.3	0	0	0.0	274.8	84.0	3.3
Wells	Butler Co. 2	137.6	28	4.9	0	0	0.0	137.6	28.0	4.9

Several of the earliest selections this year were: Lynn's Favorite, Overleese, Wilson and PA Golden 1 and the latest fruiting selections this year were: Cullman Late, Sue, NC-1, SAB Overleese, Mitchell, and KYSU 2-11. Several selections that bear fruit the entire season were: SAA Zimmerman, Rebecca's Gold, and Green River Belle. As the pawpaw trees mature, additional pawpaw selections will be added to the data base in future years.

The largest fruit harvested were Shenandoah: 17.2 oz.; NC-1: 10 oz.; Mary Foos Johnson: 9.8 oz.; Wells: 10.4 oz.; Cawood; 11.8 oz.; SAB Overleese: 13.4 oz.; Belle: 10.2 oz.; SAA Zimmerman: 9 oz.; and Lynn's Favorite: 9.2 oz.

~ Ron

What are your pawpaw harvest results?



NAPGA Educational Publication Mr. Neal Peterson & Ms. Elaine Norman

Blossom Development in North American Pawpaw

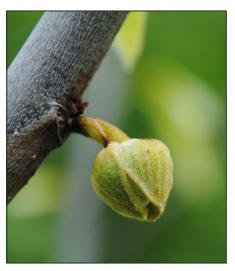
NAPGA & OPGA web sites: NAPGA.com & Ohiopawpaw.com
Online OPGA Discussion Group: http://yahoo.com/group/Ohiopawpaw/

The text is by Mr. Neal Peterson and Ms. Elaine Norman which originally appeared in an article titled, "Sequence and Consequence, Blossom development in Asimina triloba," in the Pawpaw Foundation's newsletter, From the Pawpaw Patch, Spring 2005. With Mr. Peterson's permission the edited article is reprinted here. The pictures are by Dr. Ron Powell. Often times we read that hand pollination of N. A. pawpaws is an effective way of obtaining N. A. pawpaw fruit when flies and beetles fail to do their jobs. But how do we know when to collect pollen? And when is a flower ready to receive pollen? The following descriptions and pictures are a helpful guide.

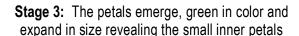


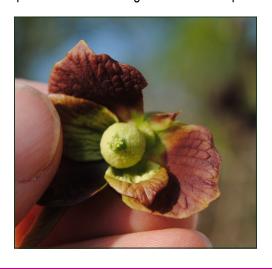


Stage 1: The dark brown velvety bud expands in size; the pedicel (flower stem) elongates and bends downward.



Stage 2: The sepals separate, revealing the outer petals, green in color.







Stage 4: The petals begin to turn color, show a mixture of green and maroon, and continue expanding. The stigmas appear swollen and glossy (or fuzzy white).

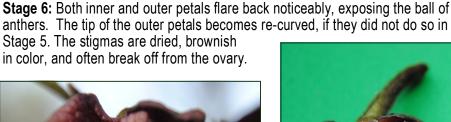


Stage 5: The petals reach full size; the color is wholly maroon; the nectary band (found in the inner whorl of petals) is usually of a paler color. The flower shape is bell-like; the outer petals are positioned mostly downward and are somewhat closed; the tips of the inner petals become re-curved and although mostly closed, they leave a small gap for the admission of insects. One must pull back the inner petals in order to view the pistils and anthers. The stigmas appear swollen and glossy, pale green or almost white in color (sometimes more fuzzy than glossy). The ball of anthers is a hard, tightly packed mass, green in color or rarely pinkish.





The ball of anthers runs tan or brown in color, is no longer hard, is instead loose and friable. The individual anthers dehisce (release their pollen) and pollen grains are visible as a yellowish powder among the anthers.









Stage 7: The anthers drop off the torus of the flower. The petals wither and detach. If the flower was successfully fertilized, the pistils begin expanding in size, and the pedicel begins to thicken.

Otherwise the pistils detach from the torus, and the flower pedicel detaches from the branch.



Note: The flower is female and receptive in stages 4 and 5, provided that the stigmas appear receptive as described above. The flowers being receptive in Stage 6, becoming male when the flower enters anthesis (the shedding of pollen). The length of time that the flower spends in Stage 5 varies, depending on weather, especially temperature, but typically is two or three days. The length of stage 6 is briefer, usually one day. Pollen is most easily collected by means of harvesting whole anthers just as the flower enters Stage 6, when the anther ball turns color and loses its compactness, but prior to anthesis.

Hummingbird Pawpaw Cake

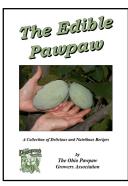
An adaptation of Hummingbird Cake by Terry Powell. Ohio

- Mix together:
 - 3 cups all-purpose flour
 - 2 cups sugar
 - 1 tsp. baking soda
 - 1 tsp. salt
 - ½ tsp. cinnamon or other spice (optional)
 - 2 cups chopped nuts
- In a separate bowl, mix together
 - 3 eggs well beaten
 - 1 tsp. vanilla or other flavor
 - 2 cups mashed pawpaw pulp
 - 1 small can crushed pineapple
 - 1 1/4 cups vegetable oil
- Mix & blend contents of both bowls together
- Don't beat.
- Pour batter into well-greased Bundt or tube pan
- Bake at 325 degrees for about 1 hour about 15 minutes.
- Frosting:

8 oz. finely pureed pawpaw 8 oz. package light cream cheese confectioner's sugar to taste 1/2 tsp. vanilla

- Cream together and apply to cake when cool.
- Refrigerate.

The cinnamon or other flavorings are optional if you want more of the delicate pawpaw flavor.



Request for Pawpaw Recipes

The Edible Pawpaw recipe book is nearly sold out. Time to start work on another! Please send your pawpaw recipes to

Ron Powell, 6549 Amelia Dr. Cincinnati, OH 45241 or Email: Botrytis@fuse.net.

Don't let your OPGA membership lapse. Check your mailing label, call Ron or send him an email. Don't miss any important benefits of OPGA membership.

Greenriver Belle

The variety 'Greenriver Belle' is a relative newcomer being selected by Carol Friedman in 1998. It originated in Hart Co. KY growing near the Green River and was introduced by Nolin River Nut Tree nursery. I have found this variety to be quite productive with medium to large sized fruit and to be a relatively fast growing tree. It's fruits which can have a nice yellowish blush upon ripening are not generally as large as 'Overleese' or 'Sunflower' but are still good sized and the flavor is excellent. Some individuals note a cinnamon aftertaste in the fruit but I personally have not noticed this trait. But for those who like their pawpaws very sweet this one will be a favorite as it is quite sweet with a nice rich "tropical fruity" flavor.

Seed count to flesh ratio is average. The flesh texture is medium-firm, being softer than 'Overleese' and 'Sunflower' but not quite as soft as the variety 'Mango'. I have never noticed any bitter or strong notes in the aftertaste of 'Greenriver belle' and it ages fairly well, almost but not quite as good as 'Overleese'. As with most pawpaws it can take on rich caramel/butterscotch notes as it ages but I think this one is best before much aging or skin darkening when it's bright "tropical" flavor really comes through.

Overall I believe this is a very good variety based on flavor and productivity and most people who have tasted this one find it among their favorites.

by Derek Morris, North Carolina

Natural Sciences and Engineering Research Council of Canada (NSERC) Approves Research Grant

NSERC has approved a co-sponsored research grant submitted by Brevo Agro Inc. and the University of British Columbia. The purpose of the grant is to develop a new cultivar of the North American pawpaw, *Asimina triloba*. This is a four year research grant aimed at establishing a new patentable N. A. pawpaw cultivar. Due to certain genetic traits including a short shelf life, large inedible seeds, and low fruit yields, to date, the N. A. pawpaw has not been an attractive candidate for broad commercialization. The research program aims to create commercially viable cultivar.

Bevo Agro is North America's leading supplier of propagated agricultural plants, growing and distributing vegetable, flower, berry and other plant seedlings to North America growers.

For full story: see: http://cnw.ca/dEGQ0



Directions to OPGA Annual Meeting & Workshop at Fox Paw Ridge Farm in Adams County, Ohio Saturday, May 19, 2012 ~ 9 AM

Fox Paw Ridge Farm is located about 1/2 mile from the Ohio River in Sprigg Township, Adams County, Ohio.

We currently have a pole barn and a newly constructed cabin available for the meeting.

The road back to the farm has been improved and you no longer need a truck or 4-wheel drive vehicle to get back to the farm. Be careful on Fishing Gut Road as the locals like to drive down the center!

Directions from Cincinnati: Take I-275 East to St. Rt. 32 East exit. Then exit at Mt. Orab, St. Rt. 68. Follow to St. Rt. 52 at Ripley, Ohio. Turn left and follow to Aberdeen, Ohio Turn left at St. Rt. 41, in about 2 blocks, turn right on Fishing Gut Rd (marked with orange sign). Follow to Fox Road (yellow ranch house at east corner; look for an orange sign). Fox Road, a gravel lane, has been re-graveled and ends at the farm.

From Northern Kentucky: Take AA Highway to St. Rt. 68 in Maysville, Kentucky and go north. Take St. Rt. 68 and cross the Ohio River to St. Rt. 52. Turn left after crossing the bridge over the Ohio river & follow directions above from Aberdeen, Ohio.

From Central & Northern Ohio: It may be best to Google and make your way to West Union. There are several routes that you can take to West Union. Take St. Rt. 41 south from West Union, Ohio, about 16 miles to Aberdeen, Ohio. Turn left onto Fishing Gut Rd. at the edge of Aberdeen and follow directions as given above.

If you get lost, call Ron @ 513-382-9031

2012 OPGA Annual Meeting Registration Form

By mail: Complete the information section below and return with the registration fee to: OPGA, % Ron Powell, 6549 Amelia Dr., Cincinnati, OH 45241



\$12 — each for OPGA members in good standing \$15 — each for non OPGA members



Or by Phone: Ron @ 513-777-8367 or Email: Botrytis@fuse.net

Completed registrations by May 7th are appreciated Make checks payable to NAPGA or OPGA

Name:	
Address:	
Phone:	E-mail:





Pawpaw Pickin's

A publication of NAPGA/OPGA

6549 Amelia Dr. Cincinnati, Ohio 45241

Spring 2012

North American Pawpaw, Asimina triloba, is the largest edible fruit native to North America. It is found in 26 states and 1 Canadian Province.



Gene Pouly, Ohio



Ron Powell, Ohio - Chapter President Dick Glaser, Ohio-Chapter 1st - Vice President Tony Russell, Ohio - Chapter 2nd Vice President Dave Simpson, Ohio - Chapter Treasurer Terry Powell, Ohio - Secretary Deanna Powell, Ohio - Web Mistress Dale Brooks, Alabama Lee Brumley, Indiana **Board of Directors** Cliff England, Kentucky Gary Gottenbusch, Ohio & Officers Hope Keller, Ohio Jerry Lehman, Indiana Jason Newmann, Ohio NAPGA/OPGA Joe Petrie, Ohio

NAPGA/OPGA Dues

We are now able to print mailing labels with each member's anniversary date when dues are due. Dues will now be collected on your anniversary date.

Please renew your membership in NAPGA/OPGA and show your support. Your continued support is needed for the education and promotion of North American pawpaws.

> Go to the NAPGA/OPGA web site — Ohiopawpaw.com for a membership form.

Please check the address panel above for your dues/account status

NAPGA / OPGA Editor

visit us at our web site:

www.Ohiopawpaw.com

Pawpaw Pickin's is published biannually by the NAPGA/OPGA, an organization dedicated to advancing education and knowledge of North American pawpaw culture, encouraging the planting of pawpaws, the management of native pawpaws, and perpetuating the utilization of all N.A. pawpaw products.