



Muskingum Soil & Water Conservation District

"Your Soil and Water Conservation Specialists"

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Newsletter Issue 2

muskingumswcd.org

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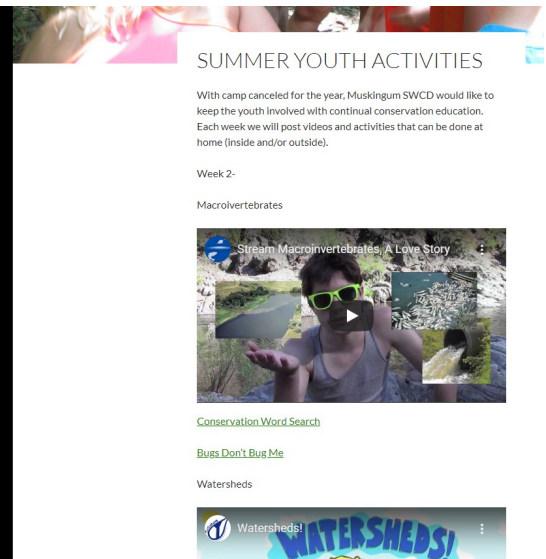
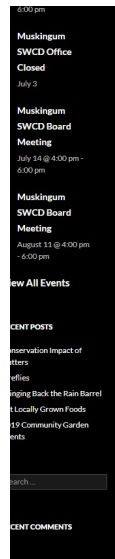


2020 ATV Conservation Tour- Postponed

Muskingum SWCD has decided to postpone the 2020 ATV Conservation Tour until 2021 because of the Covid-19 issue. We hope to see everyone next year! Next year's ATV Conservation Tour will be held in the Southwest corner of the county. If you have already paid for registration, you will receive your refund in early June.

2020 Muskingum SWCD Green Team Summer Youth Online Weekly Activities

With camp canceled for the year, Muskingum SWCD would like to keep the youth involved with continual conservation education. Each week we will post videos, activities, and crafts that can be done at home (inside and/or outside). There will be a weekly conservation or agricultural theme. An online registration form can be found at muskingumswcd.org. Children not previously participating in camp are welcome to join in! The age range for activities is 7-14.



Notice

The Muskingum Soil and Water Conservation District office is now open, but it may not always be fully staffed during regular business hours. Due to the pandemic, employees may be working from the office, in the field, or from home. We encourage you to make an appointment by calling 740-454-2027. Staff can still be reached by leaving a voice mail message or by email (email addresses can be found on our website at www.muskingumswcd.org.) We respectfully suggest you wear a mask when entering our office, for the protection of all - clients and staff. Thank You!

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Muskingum SWCD 2020 Volunteer Summer Interns



My name is Ben Phillips and I am an intern for the Muskingum County Soil and Water District this summer. I graduated from Bishop Rosecrans high school in 2019 and I currently attend Ohio State University. My major is environmental science with a specialization in water science. This summer I am looking forward to testing water sites all over Muskingum County and working in the community gardens.

My name is Allie Murphy. I will be a senior at Marietta College in the fall and study Environmental Science with a minor in Leadership Studies. I graduated from Zanesville High School and am very excited to be an intern for the Muskingum County Soil and Water Conservation District. I hope to gain a variety of experiences with environmental methods and research while building a stronger connection to my local community!



My name is Weston Starling and I currently study at Zane State College and am working for a degree in wildlife conservation. My main end goal is to land a job as a forester or a position some line of ranger work. I hope to gain experience and what it's like to work in the field of natural resources from this internship at Muskingum SWCD.

Spotted Knapweed – Another Foreign Invader

It seems like almost every day we hear about another exotic invader: autumn olive, ailanthus, gypsy moth, emerald ash borer, Asian longhorned beetle, oriental bittersweet and the list goes on and on. Unfortunately, we have another newcomer on the list that could have larger implications, especially for farmers than most of the other species listed. Spotted Knapweed, we believe, was introduced into south eastern Ohio through seed mixes or hay from western states, where Spotted Knapweed is found.

Spotted Knapweed is a small biannual or short-lived perennial plant that can take over hay fields and pastures. Once this weed gets established it can spread very rapidly, producing a thousand seeds every year as well as producing a chemical that limits the growth of surrounding vegetation. This plant blooms a pretty purple flower in July, August and September that can resemble clover. While this bloom looks pretty, it is only used by bees and is not eaten by livestock, which removes ones of the potential management options.

Spotted knapweed typically does not cause an issue in crop fields due to the chemicals used to control weeds in these fields. These chemicals do a pretty good job of controlling knapweed as well. In pastures and hay fields the chemicals that must be used to control Spotted Knapweed also kill off a lot of our desirable broadleaf plants, like clover, which can impact management decisions.

Muskingum Soil and Water Conservation District has partnered with Conservation Districts from Guernsey, Noble, and Morgan Counties along with United States Department of Agriculture Natural Resource Conservative Service to create a program to help area landowners to control knapweed. The Spotted Knapweed Treatment for Ohio Producers, STOP, program is a competitive program to assist producers who have spotted knapweed in pasture or hayfields. For more information contact the Muskingum SWCD at (740)454-2027.

2020 Muskingum SWCD Pollinator Plant Sale

I believe 2020 will go down in history as the “lost” year. So many events have been canceled or postponed. Don’t give up hope, there are still opportunities around. It seems that the Butterflies and bees have not been affected by the Covid-19 virus yet. They are still out doing their business, probably without masks, and some I’ve seen didn’t get the memo on social distancing.

In some way, shape, or form everyone has been impacted by the current pandemic. If you are looking to do something beneficial, that could have long term effects on the environment, your environment, then we have something for you. The Muskingum Soil and Water Conservation District is holding a pollinator plant sale. The sale is a collection of native wildflower plants that are highly or very highly beneficial for the Monarch Butterfly, other pollinators and beneficial insects.

We are fortunate to have a crop of native wildflower plants this year. We are able to offer a readymade wildflower butterfly / pollinator garden that consists of 10-12 different species that will provide food, cover and color from June through October for butterflies and bees. The wildflower butterfly / pollinator garden contains 48 plants and can be placed in a minimum space of 6’ x 8’ area or can be spread out further. These plants are all perennials and once established will provide years of enjoyment and positive impact on the environment.

	Bloom Time	June	July	August	September	October
# of Plants	Pollinator / Beneficial					
4	Purple Coneflower		Purple			
4	Common Milkweed	Pink				
4	Butterfly Weed	Orange				
4	Wild Bergamot		Purple			
4	Swamp Milkweed	Pink				
4	New England Aster			Purple		
4	Sawtooth Sunflower			Yellow		
4	Mountain Mint	White				
4	Great Blue Lobelia		Blue			
4	Rattlesnake Master		White			
4	Cardinal Flower		Red			
4	Lead Plant	Purple				

Pollinator/Beneficial Package

We also are offering a mix specifically geared toward the Monarch Butterfly. This mix consists of Common Milkweed, Butterfly Weed, and Swamp Milkweed, 48 plants in all. Monarch Butterfly numbers are in decline and there has been some discussion of adding them to the endangered species list. Monarchs are very specific in their habitat needs. In order to raise their young they have to have milkweed plants to lay their eggs on. The caterpillars that hatch only eat the leaves of milkweed to maturity. A single Monarch female can lay between 300-700 eggs over a 3-5 week period. Seldom does a single female lay more than 1-2 eggs on a single plant. It has been estimated, that with considering mortality of young, that it may take 20-40 plants to raise a surviving larvae to the 5th instar stage, which is right before they go into the chrysalis stage.

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	Bloom Time	June	July	August	September	October
# of Plants	Monarch Mix					
24	Common Milkweed	Pink				
16	Butterfly Weed	Orange				
8	Swamp Milkweed	Pink				

Monarch Mix

These plants mixes are available for \$40 per flat of 48 plants. 4 packs of Common Milkweed, Butterfly Milkweed, and Purple Coneflower will be available for \$5 per 4 pack. Please call the office 740-454-2027 for availability and arrange for pickup. Also check out our Facebook page and website www.muskingumswcd.org for updated information. Proceeds from the pollinator plant sale provides scholarships for our interns and program costs.



Muskingum Soil and Water
Conservation District

225 Underwood Street, Suite 100, Zanesville, Ohio 43701

Phone: (740) 454-2027 Fax (740) 454-1451

2020 AWARD NOMINATION FORM

We need your help identifying those in our community who are practicing resource conservation in some way! Each year the MSWCD likes to recognize those in our county who are contributing to the betterment of the environment. Examples include a farmer you purchase produce from at the Farmers' Market; a business that has installed energy-saving lighting through-out its site; a neighbor who has established a garden of native plants for pollinators; a group that has started a community garden; or a teacher who is passionate about the environment and passes that on to his/her students. Please consider nominating a deserving individual, group, or business for one of the award categories listed below. A simple nomination form is on the reverse side; please complete as much of it as possible and be sure to give us a brief explanation as to why you are submitting this nominee. Submit the form to the MSWCD by August 3, 2020. Forms can be mailed to MSWCD, 225 Underwood Street, Ste. 100, Zanesville, Ohio 43701 or scanned/emailed to doreen.maurer@muskingumswcd.org.

1. **Resource Conservation Award, Agricultural Division**—Nominee must actively be engaged in farming (own, operate, or both). They must be actively working with the MSWCD. The farm must be located in Muskingum County. They must have demonstrated conservation practices within the last five years. The winner will receive a "Cooperator for the Year" sign, monogramed shirts or engraved tumblers, etc. (to be determined annually by the staff), and two complimentary banquet tickets. The winner will then be nominated for the Ohio Conservation Family Farm Award the following year.
2. **Resource Conservation Award, Non-Agricultural**—The site/project or business must be located within Muskingum County and demonstrate resource conservation. It must have a pleasing appearance, demonstrate community benefits and have an educational value. The winner will receive a plaque and two complimentary banquet tickets.
3. **Backyard Conservatoinist**—The nominee will need to fill out a form about their backyard and provide pictures for the awards committee to review. Awards are based on the benefit of the small-scale practices installed, not just on appearance. The winner will receive a \$25 gift certificate to a local garden center (Timber Run, McDonald's, etc.), a framed certificate and two complimentary banquet tickets.
4. **Conservation Educator of the Year**—Let us know about the nominee, the nominee's knowledge of conservation concepts, how the nominee promotes conservation beyond the job requirements, the use of creativity in teaching conservation, and/or how the nominee's students have applied their knowledge. The winner will receive a plaque to be displayed at the school, a bag of educational materials, and two complimentary banquet tickets.
5. **Special Educational Outreach Award**—The nominee is in some way helping to educate the general public about conservation and/or agriculture or, as a business, is following good conservation measures (for example, by installing solar panels). Nominees are individuals, organizations, groups or businesses that don't fit into one of the categories above (1-4). The winners receive a plaque and two complimentary banquet tickets.
6. **Friends of Conservation Award**—This award was created to recognize those businesses, organizations, groups and/or individuals that contribute to the fulfillment of the MSWCD mission in some way. That could include hosting an event for free, donating funds or supplies for projects, or volunteering for a project. The winners receive a plaque and two complimentary banquet tickets.

All winners are recognized on our social media sites, website and Newsletter as well.



Muskingum Soil and Water
Conservation District

2020 AWARD NOMINATION FORM

NOMINEE INFORMATION

Name: _____

Address: _____

Phone: _____

NOMINATOR INFORMATION

Name: _____

Address: _____

Phone: _____

Website: _____

Email: _____

AWARD CATAGORIES

- Resource Conservation Award, Agricultural Division
- Resource Conservation Award, Non-Agricultural
- Backyard Conservationist
- Conservation Educator of the Year
- Special Educational Outreach Award
- Friends of Conservation Award

Please Explain your nomination below:

Additional forms can be found at www.muskingumswcd.org

The SWCD and NRCS prohibit discrimination in any program activity or employment on the basis of race, color, national origin, sex (including gender identity and expression), religion, age, disability, political beliefs, sexual orientation, marital or family status, parental status and protected genetic information, or because all or part of an individual's income is derived from public assistance. Persons with disabilities who require alternative means of communication (Braille, large print, etc.) or who need special accommodations for meetings should contact the SWCD office at (740)454-2027.

2020 Muskingum Soil and Water Conservation District Cover Crop Program



You cannot open a current farm magazine without seeing an article about cover crops. If you are curious about cover crops and have never tried planting them, this program may be for you. We are offering \$12 per acre toward the planting of cover crops on soybean or corn silage acreage. The maximum number of acres is 200 acres. This is a competitive program and is scored on a per field basis. This program is made possible by funding from the Muskingum Watershed Conservancy District and is geared toward reducing erosion, nutrient runoff and improving water quality.

From a conservation standpoint we would like to see every acre of crop ground covered with crop residue and / or a living plant. The fields targeted for this program are corn fields that have been harvested for corn silage or fields that are classified Highly Erodible Land (HEL). Those field situations are where cover crops can make the biggest impact on the reduction of soil erosion and nutrient runoff, ultimately protecting water quality.

If you are interested in this program you will need to provide a map with farm, tract and field numbers, soil tests, previous and current crop on fields that you would like to apply for. Fields that are approved will have to follow cover crop seed application rates and seeding dates based on NRCS specifications. The deadline to sign up for the cover crop program is June 26, 2020. For more information or to discuss the potential for planting cover crops contact our office at 740-454-2027.

Have you ever looked at your numbers?

By: Van Slack

I was having a discussion with a producer, this spring as they were planning for planting season about crop production costs per acre for corn, soybeans and wheat. Crop prices weren't looking good and we were talking about breakeven prices and if a profit had even a prayer under the current conditions.

One of the best sources I've found for budgeting information is at the Ohio State University. The website I reference is <https://farmoffice.osu.edu/farm-mgt-tools/farm-budgets>. They have budgets listed by year for corn, soybeans, wheat and other enterprises. These budgets are a great guide to help you look at all the costs, not just the cash or out of pocket items. There is also a custom rates survey that the university does and that is available at <https://farmoffice.osu.edu/farm-management-tools/custom-rates-and-machinery-costs> that can help you price your equipment costs.

I recently put together an Excel spreadsheet in which producers can input in their costs, yields and expected price and see what combinations of price and yield, based on their costs, might be profitable. If you would like a copy to play with contact the office and we can email you a copy of the spreadsheet. Based on OSU's updated information I put those costs into the spreadsheet I created and that information is on the next page.

Year	Ohio			Muskingum County		
	Corn	Soy-beans	Wheat	Corn	Soy-beans	Wheat
2015	153	50	67	159	52.2	57.1
2016	159	54.5	80	149	58	55.1
2017	177	49.5	74	177.2	54.9	N/A
2018	187	56	75	178.6	52.1	54.3
2019	164	49	56	179.4	59.5	51

Historic bushel per acre data for Ohio and Muskingum County

Bu./Ac	140.00	150.00	160.00	170.00	180.00	190.00	200.00	210.00	220.00	230.00	240.00	250.00	
Price/ Bu.													
\$ 2.00	\$(479.00)	\$(459.00)	\$(439.00)	\$(419.00)	\$(399.00)	\$(379.00)	\$(359.00)	\$(339.00)	\$(319.00)	\$(299.00)	\$(279.00)	\$(259.00)	
\$ 2.10	\$(465.00)	\$(444.00)	\$(423.00)	\$(402.00)	\$(381.00)	\$(360.00)	\$(339.00)	\$(318.00)	\$(297.00)	\$(276.00)	\$(255.00)	\$(234.00)	
\$ 2.20	\$(451.00)	\$(429.00)	\$(407.00)	\$(385.00)	\$(363.00)	\$(341.00)	\$(319.00)	\$(297.00)	\$(275.00)	\$(253.00)	\$(231.00)	\$(209.00)	
\$ 2.30	\$(437.00)	\$(414.00)	\$(391.00)	\$(368.00)	\$(345.00)	\$(322.00)	\$(299.00)	\$(276.00)	\$(253.00)	\$(230.00)	\$(207.00)	\$(184.00)	
\$ 2.40	\$(423.00)	\$(399.00)	\$(375.00)	\$(351.00)	\$(327.00)	\$(303.00)	\$(279.00)	\$(255.00)	\$(231.00)	\$(207.00)	\$(183.00)	\$(159.00)	
\$ 2.50	\$(409.00)	\$(384.00)	\$(359.00)	\$(334.00)	\$(309.00)	\$(284.00)	\$(259.00)	\$(234.00)	\$(209.00)	\$(184.00)	\$(159.00)	\$(134.00)	
\$ 2.60	\$(395.00)	\$(369.00)	\$(343.00)	\$(317.00)	\$(291.00)	\$(265.00)	\$(239.00)	\$(213.00)	\$(187.00)	\$(161.00)	\$(135.00)	\$(109.00)	
\$ 2.70	\$(381.00)	\$(354.00)	\$(327.00)	\$(300.00)	\$(273.00)	\$(246.00)	\$(219.00)	\$(192.00)	\$(165.00)	\$(138.00)	\$(111.00)	\$(84.00)	
\$ 2.80	\$(367.00)	\$(339.00)	\$(311.00)	\$(283.00)	\$(255.00)	\$(227.00)	\$(199.00)	\$(171.00)	\$(143.00)	\$(115.00)	\$(87.00)	\$(59.00)	
\$ 2.90	\$(353.00)	\$(324.00)	\$(295.00)	\$(266.00)	\$(237.00)	\$(208.00)	\$(179.00)	\$(150.00)	\$(121.00)	\$(92.00)	\$(63.00)	\$(34.00)	
\$ 3.00	\$(339.00)	\$(309.00)	\$(279.00)	\$(249.00)	\$(219.00)	\$(189.00)	\$(159.00)	\$(129.00)	\$(99.00)	\$(69.00)	\$(39.00)	\$(9.00)	
\$ 3.10	\$(325.00)	\$(294.00)	\$(263.00)	\$(232.00)	\$(201.00)	\$(170.00)	\$(139.00)	\$(108.00)	\$(77.00)	\$(46.00)	\$(15.00)	\$ 16.00	
\$ 3.20	\$(311.00)	\$(279.00)	\$(247.00)	\$(215.00)	\$(183.00)	\$(151.00)	\$(119.00)	\$(87.00)	\$(55.00)	\$(23.00)	\$ 9.00	\$ 41.00	
\$ 3.30	\$(297.00)	\$(264.00)	\$(231.00)	\$(198.00)	\$(165.00)	\$(132.00)	\$(99.00)	\$(66.00)	\$(33.00)	\$ -	\$ 33.00	\$ 66.00	
\$ 3.40	\$(283.00)	\$(249.00)	\$(215.00)	\$(181.00)	\$(147.00)	\$(113.00)	\$(79.00)	\$(45.00)	\$(11.00)	\$ 23.00	\$ 57.00	\$ 91.00	
\$ 3.50	\$(269.00)	\$(234.00)	\$(199.00)	\$(164.00)	\$(129.00)	\$(94.00)	\$(59.00)	\$(24.00)	\$ 11.00	\$ 46.00	\$ 81.00	\$ 116.00	
\$ 3.60	\$(255.00)	\$(219.00)	\$(183.00)	\$(147.00)	\$(111.00)	\$(75.00)	\$(39.00)	\$(3.00)	\$ 33.00	\$ 69.00	\$ 105.00	\$ 141.00	
\$ 3.70	\$(241.00)	\$(204.00)	\$(167.00)	\$(130.00)	\$(93.00)	\$(56.00)	\$(19.00)	\$ 18.00	\$ 55.00	\$ 92.00	\$ 129.00	\$ 166.00	
\$ 3.80	\$(227.00)	\$(189.00)	\$(151.00)	\$(113.00)	\$(75.00)	\$(37.00)	\$ 1.00	\$ 39.00	\$ 77.00	\$ 115.00	\$ 153.00	\$ 191.00	
\$ 3.90	\$(213.00)	\$(174.00)	\$(135.00)	\$(96.00)	\$(57.00)	\$(18.00)	\$ 21.00	\$ 60.00	\$ 99.00	\$ 138.00	\$ 177.00	\$ 216.00	
\$ 4.00	\$(199.00)	\$(159.00)	\$(119.00)	\$(79.00)	\$(39.00)	\$ 1.00	\$ 41.00	\$ 81.00	\$ 121.00	\$ 161.00	\$ 201.00	\$ 241.00	
\$ 4.10	\$(185.00)	\$(144.00)	\$(103.00)	\$(62.00)	\$(21.00)	\$ 20.00	\$ 61.00	\$ 102.00	\$ 143.00	\$ 184.00	\$ 225.00	\$ 266.00	
\$ 4.20	\$(171.00)	\$(129.00)	\$(87.00)	\$(45.00)	\$(3.00)	\$ 39.00	\$ 81.00	\$ 123.00	\$ 165.00	\$ 207.00	\$ 249.00	\$ 291.00	
			Corn				Cost per Acre			\$ 759.00			

The Ohio State University just recently updated their budgets for the 2020 crop year. The updated estimates for corn production cost per acre of \$759.00 and an estimated \$3.20 per bushel cash price.

Soybean costs were predicted to be \$517.00 per acre with a cash price of \$8.30.

Bu./Ac	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00	90.00	95.00
Price/ Bu.												
\$ 7.00	\$(237.00)	\$(202.00)	\$(167.00)	\$(132.00)	\$(97.00)	\$(62.00)	\$(27.00)	\$ 8.00	\$ 43.00	\$ 78.00	\$ 113.00	\$ 148.00
\$ 7.10	\$(233.00)	\$(197.50)	\$(162.00)	\$(126.50)	\$(91.00)	\$(55.50)	\$(20.00)	\$ 15.50	\$ 51.00	\$ 86.50	\$ 122.00	\$ 157.50
\$ 7.20	\$(229.00)	\$(193.00)	\$(157.00)	\$(121.00)	\$(85.00)	\$(49.00)	\$(13.00)	\$ 23.00	\$ 59.00	\$ 95.00	\$ 131.00	\$ 167.00
\$ 7.30	\$(225.00)	\$(188.50)	\$(152.00)	\$(115.50)	\$(79.00)	\$(42.50)	\$(6.00)	\$ 30.50	\$ 67.00	\$ 103.50	\$ 140.00	\$ 176.50
\$ 7.40	\$(221.00)	\$(184.00)	\$(147.00)	\$(110.00)	\$(73.00)	\$(36.00)	\$ 1.00	\$ 38.00	\$ 75.00	\$ 112.00	\$ 149.00	\$ 186.00
\$ 7.50	\$(217.00)	\$(179.50)	\$(142.00)	\$(104.50)	\$(67.00)	\$(29.50)	\$ 8.00	\$ 45.50	\$ 83.00	\$ 120.50	\$ 158.00	\$ 195.50
\$ 7.60	\$(213.00)	\$(175.00)	\$(137.00)	\$(99.00)	\$(61.00)	\$(23.00)	\$ 15.00	\$ 53.00	\$ 91.00	\$ 129.00	\$ 167.00	\$ 205.00
\$ 7.70	\$(209.00)	\$(170.50)	\$(132.00)	\$(93.50)	\$(55.00)	\$(16.50)	\$ 22.00	\$ 60.50	\$ 99.00	\$ 137.50	\$ 176.00	\$ 214.50
\$ 7.80	\$(205.00)	\$(166.00)	\$(127.00)	\$(88.00)	\$(49.00)	\$(10.00)	\$ 29.00	\$ 68.00	\$ 107.00	\$ 146.00	\$ 185.00	\$ 224.00
\$ 7.90	\$(201.00)	\$(161.50)	\$(122.00)	\$(82.50)	\$(43.00)	\$(3.50)	\$ 36.00	\$ 75.50	\$ 115.00	\$ 154.50	\$ 194.00	\$ 233.50
\$ 8.00	\$(197.00)	\$(157.00)	\$(117.00)	\$(77.00)	\$(37.00)	\$ 3.00	\$ 43.00	\$ 83.00	\$ 123.00	\$ 163.00	\$ 203.00	\$ 243.00
\$ 8.10	\$(193.00)	\$(152.50)	\$(112.00)	\$(71.50)	\$(31.00)	\$ 9.50	\$ 50.00	\$ 90.50	\$ 131.00	\$ 171.50	\$ 212.00	\$ 252.50
\$ 8.20	\$(189.00)	\$(148.00)	\$(107.00)	\$(66.00)	\$(25.00)	\$ 16.00	\$ 57.00	\$ 98.00	\$ 139.00	\$ 180.00	\$ 221.00	\$ 262.00
\$ 8.30	\$(185.00)	\$(143.50)	\$(102.00)	\$(60.50)	\$(19.00)	\$ 22.50	\$ 64.00	\$ 105.50	\$ 147.00	\$ 188.50	\$ 230.00	\$ 271.50
\$ 8.40	\$(181.00)	\$(139.00)	\$(97.00)	\$(55.00)	\$(13.00)	\$ 29.00	\$ 71.00	\$ 113.00	\$ 155.00	\$ 197.00	\$ 239.00	\$ 281.00
\$ 8.50	\$(177.00)	\$(134.50)	\$(92.00)	\$(49.50)	\$(7.00)	\$ 35.50	\$ 78.00	\$ 120.50	\$ 163.00	\$ 205.50	\$ 248.00	\$ 290.50
\$ 8.60	\$(173.00)	\$(130.00)	\$(87.00)	\$(44.00)	\$(1.00)	\$ 42.00	\$ 85.00	\$ 128.00	\$ 171.00	\$ 214.00	\$ 257.00	\$ 300.00
\$ 8.70	\$(169.00)	\$(125.50)	\$(82.00)	\$(38.50)	\$ 5.00	\$ 48.50	\$ 92.00	\$ 135.50	\$ 179.00	\$ 222.50	\$ 266.00	\$ 309.50
			Soybeans				Cost per Acre			\$ 517.00		

And wheat is predicted to cost \$452.00 per acre to produce with a predicted cash price of \$5.10.

Bu./Ac	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.00	80.00	85.00	90.00	95.00
Price/ Bu.												
\$ 4.00	\$(292.00)	\$(272.00)	\$(252.00)	\$(232.00)	\$(212.00)	\$(192.00)	\$(172.00)	\$(152.00)	\$(132.00)	\$(112.00)	\$(92.00)	\$(72.00)
\$ 4.10	\$(288.00)	\$(267.50)	\$(247.00)	\$(226.50)	\$(206.00)	\$(185.50)	\$(165.00)	\$(144.50)	\$(124.00)	\$(103.50)	\$(83.00)	\$(62.50)
\$ 4.20	\$(284.00)	\$(263.00)	\$(242.00)	\$(221.00)	\$(200.00)	\$(179.00)	\$(158.00)	\$(137.00)	\$(116.00)	\$(95.00)	\$(74.00)	\$(53.00)
\$ 4.30	\$(280.00)	\$(258.50)	\$(237.00)	\$(215.50)	\$(194.00)	\$(172.50)	\$(151.00)	\$(129.50)	\$(108.00)	\$(86.50)	\$(65.00)	\$(43.50)
\$ 4.40	\$(276.00)	\$(254.00)	\$(232.00)	\$(210.00)	\$(188.00)	\$(166.00)	\$(144.00)	\$(122.00)	\$(100.00)	\$(78.00)	\$(56.00)	\$(34.00)
\$ 4.50	\$(272.00)	\$(249.50)	\$(227.00)	\$(204.50)	\$(182.00)	\$(159.50)	\$(137.00)	\$(114.50)	\$(92.00)	\$(69.50)	\$(47.00)	\$(24.50)
\$ 4.60	\$(268.00)	\$(245.00)	\$(222.00)	\$(199.00)	\$(176.00)	\$(153.00)	\$(130.00)	\$(107.00)	\$(84.00)	\$(61.00)	\$(38.00)	\$(15.00)
\$ 4.70	\$(264.00)	\$(240.50)	\$(217.00)	\$(193.50)	\$(170.00)	\$(146.50)	\$(123.00)	\$(99.50)	\$(76.00)	\$(52.50)	\$(29.00)	\$(5.50)
\$ 4.80	\$(260.00)	\$(236.00)	\$(212.00)	\$(188.00)	\$(164.00)	\$(140.00)	\$(116.00)	\$(92.00)	\$(68.00)	\$(44.00)	\$(20.00)	\$ 4.00
\$ 4.90	\$(256.00)	\$(231.50)	\$(207.00)	\$(182.50)	\$(158.00)	\$(133.50)	\$(109.00)	\$(84.50)	\$(60.00)	\$(35.50)	\$(11.00)	\$ 13.50
\$ 5.00	\$(252.00)	\$(227.00)	\$(202.00)	\$(177.00)	\$(152.00)	\$(127.00)	\$(102.00)	\$(77.00)	\$(52.00)	\$(27.00)	\$(2.00)	\$ 23.00
\$ 5.10	\$(248.00)	\$(222.50)	\$(197.00)	\$(171.50)	\$(146.00)	\$(120.50)	\$(95.00)	\$(69.50)	\$(44.00)	\$(18.50)	\$ 7.00	\$ 32.50
\$ 5.20	\$(244.00)	\$(218.00)	\$(192.00)	\$(166.00)	\$(140.00)	\$(114.00)	\$(88.00)	\$(62.00)	\$(36.00)	\$(10.00)	\$ 16.00	\$ 42.00
\$ 5.30	\$(240.00)	\$(213.50)	\$(187.00)	\$(160.50)	\$(134.00)	\$(107.50)	\$(81.00)	\$(54.50)	\$(28.00)	\$(1.50)	\$ 25.00	\$ 51.50
\$ 5.40	\$(236.00)	\$(209.00)	\$(182.00)	\$(155.00)	\$(128.00)	\$(101.00)	\$(74.00)	\$(47.00)	\$(20.00)	\$ 7.00	\$ 34.00	\$ 61.00
\$ 5.50	\$(232.00)	\$(204.50)	\$(177.00)	\$(149.50)	\$(122.00)	\$(94.50)	\$(67.00)	\$(39.50)	\$(12.00)	\$ 15.50	\$ 43.00	\$ 70.50
\$ 5.60	\$(228.00)	\$(200.00)	\$(172.00)	\$(144.00)	\$(116.00)	\$(88.00)	\$(60.00)	\$(32.00)	\$(4.00)	\$ 24.00	\$ 52.00	\$ 80.00
\$ 5.70	\$(224.00)	\$(195.50)	\$(167.00)	\$(138.50)	\$(110.00)	\$(81.50)	\$(53.00)	\$(24.50)	\$ 4.00	\$ 32.50	\$ 61.00	\$ 89.50
			Wheat				Cost per Acre			\$ 452.00		

2020 Big Tree Contest

A Red Oak wins this year's prize for the biggest tree in Muskingum County. The tree was measured by Muskingum SWCD staff this spring. The tree, owned by Rix Mills Presbyterian Church, scored 312.375 points. This points total was calculated by adding the circumference in inches (198 inches or 5.22 feet in diameter), the height (92 feet) and the crown spread average times .25 (89.5 ft x .25). Congratulations, Rix Mills Presbyterian Church.

This year we actually had three entries for the big tree contest. Unfortunately, due to the weather conditions and the location of the tree, we were unable to get to the third tree and measure it.

Everyone out there knows of a tree that they have thought for years "That may be the largest tree I've ever seen in Muskingum County". Let's round up as many big trees as possible. All of the non-winners this year will be entered into the contest next year, so that's a mark to beat. Let's find the biggest tree in Muskingum County.

If you are interested in submitting a tree for next year's contest you may want to log on to the state's website to see how your tree might measure up. This site can be found at: <http://www.dnr.state.oh.us/forestry/bigtrees/nativechamps/tabid/4810/Default.aspx>

You may be surprised to find that you have the next Ohio big tree sitting right in your back yard! For more information on big trees you can contact Robert Boehle at (740) 454-2027.



2020 Big Tree Contest						
Name	Species	Height	Crown Average	Circumference	Points	Rank
Rix Mills Presbyterian	Red Oak	92	89.5	198	312.4	1st
Gene and Polly Michael	White Oak	72	85.25	177.6	270.9	2nd



MUSKINGUM SOIL AND WATER CONSERVATION DISTRICT
 225 UNDERWOOD STREET, SUITE 100
 ZANESVILLE, OH 43701

Return Service Requested

NON-PROFIT ORG.
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Save the Date

Ag Breakfast	June 2	MSWCD Board Meeting	July 14
Live at Noon	June 9	Live at Noon	July 28
MSWCD Board Meeting	June 9	Ag Breakfast	August 4
Live at Noon	June 23	Live at Noon	August 11
Live at Noon	June 29	MSWCD Board Meeting	August 11
MSWCD Office Closed	July 3	Movie Night at Restoration Park	August 14
Movie Night at Restoration Park	July 10	Live at Noon	August 25
Live at Noon	July 14	Live at Noon	August 31

Muskingum SWCD “Live at Noon” appearances have been and may continue to be pre-empted by the live local Covid-19 weekly updates. However, staff members have begun virtual interviews with WHIZ that will be aired on other dates for the “Live at Noon” segments.

