

Ohio Two Cylinder Club  
**EASTERN NATIONAL**  
**EXPO X**

**June 21 - 22 - 23, 2018**

**Wayne County Fairgrounds, Wooster, Ohio**

*Safety is the responsibility of everyone. Let's have a safe and enjoyable show!*



Feature  
Tractor  
John Deere  
Model 4010



Feature  
Lawn & Garden  
Tractor  
John Deere  
Model 110 Patio

[www.ohiotwocylinderclub.org](http://www.ohiotwocylinderclub.org)



# Welcome

The Ohio Two Cylinder Club, Inc. welcomes you to the 2018 Eastern National Expo X, featuring the John Deere Model 4010 tractor and the John Deere Model 110 Patio Lawn and Garden Tractor, here in Wooster, Ohio.

Please enjoy the seminars, equipment displays, exhibits, vendors, auctions, tours, food, games, and all of the family-friendly things we have available for you. We hope you have a wonderful time.

I'd like to thank the Ohio Two Cylinder Club's officers, directors, club members and volunteers for their exceptional willingness to make this show successful. We'd also like to thank the Wayne County Fair Board for their location and our generous sponsors.

Welcome, and thank you for attending! -- Shaun Pickering, President, Ohio Two Cylinder Club

## Contents

Welcome.....	3
Expo Show Rules .....	3
Sponsors .....	4
Mechanical Help.....	5
Courtesy Cart .....	5
Expo Committees .....	5
JR Acres Museum Tour .....	7
Bus Tour of Amish Country .....	7
Thank You for Assistance .....	7
The Trading Post .....	9
Golf Carts, Gators, Utility Vehicles... ..	9
Seminars & Presenters.....	11
Memorabilia Auction .....	13
Machinery Auction .....	13
Future Expos .....	13
Tractor Parade.....	15
Tractor Games.....	15
<b>Schedule of Events .....</b>	<b>16</b>
<b>Map of Fairgrounds .....</b>	<b>17</b>
Model 110 Patio Feature Tractor ....	19
Model 4010 Feature Tractor .....	21
Tractor Pull Rules; Classic Class ..	22
Tractor Pull Rules; Div. II .....	23
“Left, NOT Right!” Competition .....	23
Kid’s Activities.....	25
Kiddie Pedal Tractor Pull .....	25
Ohio Two Cylinder Club Contacts...25	
OTCC Membership.....	25
In Memorium.....	27

## Expo Show Rules

*Safety must not be overlooked in any of our show activities.*

- Look out for spectators and pedestrians at all times.
- Speed limit on the show grounds for all vehicles is at a walking speed.
- Never leave any equipment running unattended.
- Belted machinery shall be roped off to protect spectators.
- Use caution loading and unloading your equipment. Spectators like to watch that, too.
- Equipment must be stopped and cooled off before refueling.
- No smoking or open flame present at time of refueling.
- Fuel to be stored in approved safety containers.
- Vehicles with any unsafe conditions will not be driven during the show.
- All mounted equipment must be lowered to the ground when parked.
- Mower cutter bars must have a protective cover.
- Use extreme caution when riders are on your equipment.
- Be on the lookout when backing.
- No equipment or displays allowed in camping area.
- Post your camper pass in window facing the travel area.
- No alcoholic beverages, firearms, or explosive devices permitted.
- No bicycles or foot-propelled scooters should be ridden during the show hours.
- No ATVs, golf carts, Gators, etc., allowed in buildings (handicapped scooters only).
- No tractor or equipment drivers under 16-years old without adult supervision.
- Please park trucks, trailers, and other vehicles in designated areas.
- Any displays in aisles / driveways are prohibited to keep them open for fire lanes.



## Need Assistance? Need a Courtesy Cart?

We're here for you! Just give us a call. If you have questions or concerns about the Expo, please come to the Registration Desk in Building #7, under the Grandstand.

**Mechanical Help** - For help on the grounds, call Ned Brokaw at 740-504-7763, or Bill Pride at 740-360-3286. They will try to be of assistance.

**Courtesy Cart** - A Courtesy Cart may be arranged to transport campers to the showgrounds, or as assistance to seniors. Call Paul Snoddy 330-601-6458 or Ned Brokaw at 740-504-7763 to arrange for a golf cart and driver to pick you up and transport you to or from the show.

## Expo Committees: How to Reach Us

	<u>Committee Chair is Underlined</u>	<u>Committee Chair's Cell</u>
Expo Chairman.....	Dave Howman.....	330-466-0197
Expo Assistant.....	Vicki Slater.....	330-201-1935
Auction, Equipment.....	Craig Shepherd 419-673-7440 or Kelly Irwin 740-701-1954	
Auction, Memorabilia.....	Joe Slater.....	330-262-1993
Bus Tour of Amish Country.....	Molly Pletcher.....	740-964-4194
Camping.....	Skip Shepherd.....	567-674-8132
Courtesy Carts.....	Paul Snoddy 330-601-6458 or Ned Brokaw 740-504-7763	
Entrance Gate / Admissions.....	<u>Paul Ickes</u> , Gerald Payn..... with Northwestern Ruritan Club & Lodi Ruritan Club	330-749-4700
Food Vendors.....	Dave Howman.....	330-466-0197
The Gathering Place.....	Molly Pletcher.....	740-964-4194
Golf Cart Rental.....	Larry Ackert.....	740-507-2869
Greeter.....	Shaun Pickering.....	913-706-1894
Kiddie Tractor Pull.....	<u>Brian Starcher</u> , Town & Country Fire Dept.....	330-439-3408
Kid's Activities.....	Brian Starcher.....	330-439-3408
Left, NOT Right Competition.....	Derek Snider.....	567-674-5592
Loader Tractors.....	<u>Ted Payn</u> , Carl Rehm.....	248-765-5464
Mechanical Help Needs.....	<u>Ned Brokaw</u> , Bill Pride, Roger Haulman.....	740-504-7763
Membership.....	Judy Brokaw.....	740-504-2405
Parking, Cars.....	Paul Ickes, Northwestern FFA.....	330-749-4700
Parking, Feature Tractors.....	<u>Craig Shepherd</u> , Kenny Smith.....	419-673-8210
Parking, Lawn & Garden Tractors ...	Derek Snider.....	567-674-5592
Parking, Outside Tractors.....	<u>Duane Howman</u> , Lee Pletcher.....	740-404-9613
P.A. Announcements.....	<u>Vicki Slater</u> , Emily Weldon.....	330-201-1935
Registration.....	Fred & Nancy Seanson.....	419-674-1390
Sales Table.....	Arlene Haulman.....	937-652-3436
Seminars, Videos.....	<u>Dave Badger</u> , Joe Slater.....	419-564-6515
Tractor Games.....	Ted Payn.....	248-765-5464
Tractor Parades.....	Shaun Pickering.....	913-706-1894
Tractor Pull.....	<u>Dave Howman</u> , Duane Howman.....	330-466-0197
Trading Post.....	<u>Kevin Fox</u> , Bill Pride.....	740-225-4598
Vendors.....	Dave Howman.....	330-466-0197

# JR Acres Tractor & Equipment Museum

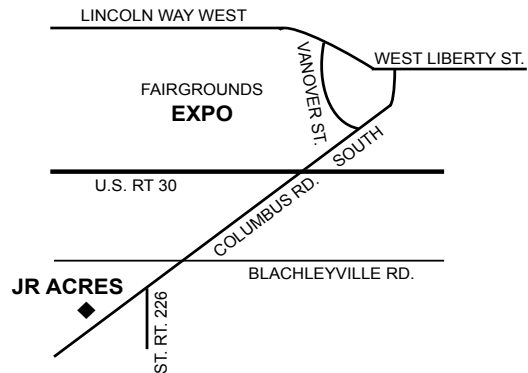
Thursday, June 21, 5:00 - 8:00 p.m. -- Tour on your own

Located at 2459 Old Columbus Rd., Wooster

Drive it yourself, just 3 miles south of Expo

Don't miss this vast agricultural museum, owned by the Ron Grosjean family. Expo attendees are invited once again to visit this mecca of farm equipment and tools and so much more, all at no charge.

You will drive yourself -- there's plenty of parking. It's located just three miles from the Wayne County Fairgrounds, traveling down St. Rt. 3 South, just past the St. Rt. 226 junction. Allow plenty of time to view!



## Enjoy a Bus Tour of Shopping & Dining in Amish Country Friday, June 22, boarding at 8:15 a.m., just inside Gate 1

Enjoy a comfortable motorcoach tour with friends and the best retail therapy and delicious foods in Amish Country, on Friday, June 22. The tour includes **Lehman's**, in Kidron, where you'll find "simple products for a simpler life", a mouth-watering buffet dinner at **Mrs. Yoder's Kitchen**, in Mount Hope, (featuring fried chicken, roast turkey, roast beef, real mashed potatoes, homemade dressing, Inn Maid noodles, sides, a piece of pie and a beverage). Next, a lovely afternoon of shopping on your own in the **Village of Berlin**, with a stop at **Kauffman's Country Bakery** and **Heini's Cheese** before returning to the Expo at 5:00 p.m. Join us on this get-a-way to Amish Country for just \$55.00 per person, with seating available for 48 people.

**Reservations must be received by June 21 at 5:00 p.m. by one of these methods:**



- **Online** - Reserve your seat at <https://expo-bus-tour-golf-carts.eventbrite.com>. (Add'l fees will apply.)
- **By mail** - Mail us a completed Bus Tour Reservation Form (available on our website) with your check.
- **In Person** - Register at the Expo Registration Desk under the Grandstand, Building #7.

Come along for the fun. We hope you'll join us! For more info, call Molly Pletcher at 740-964-4194.



## Thank you for your assistance

Much appreciation to our volunteers who've put in countless hours to bring you this show, and to the people and organizations who've been helpful with Expo X. Through our partnerships, we're able to come together and celebrate all things John Deere.

- Northwestern FFA Chapter members and advisor, Mrs. Tegtmeier, for parking cars
- Jerry Payn and members of Northwestern and Lodi Ruritan Clubs for working the gates
- John Badger for providing his John Deere Model 71 corn sheller and Model 4030 tractor for the corn shelling demonstration
- Elias Keim for providing his Model D tractor, John Deere threshing machine and wheat bundles for demonstration
- Louie Rehm for providing corn and a hay baler
- Shearer Equipment for use of equipment
- Town & Country Fire Department for helping with the Kiddie Pedal Tractor Pull
- Larry Ackert for use of his shuttle wagon, which is made with John Deere running gears
- Duane Keener for photo of his Model 4010 tractor on show book.
- Donn Tower for photo of his Model 4010 tractor on show plaques
- Derek Snider for photo of his Model 110 Patio tractors on show book and plaques
- Brian Starcher for his JD Model 1B, one-hole, hand-crank corn sheller for demonstrations



## Buy & Sell at The Trading Post

Consign your John Deere parts, tires, tractors, toys, memorabilia, antiques, or farm-related items, big or small, and turn them into cash!

We will be accepting items on consignment at The Trading Post, beginning June 21 at 9:00 a.m. The Trading Post is located in the FFA Building, #9A, located just inside Gate 1, at the Vanover Street entrance. Anyone may bring items for sale, you do not need to be an OTCC member.

Owners will be given a seller I.D. number, and will set a price for each item brought in. A receipt will be given for each item taken on consignment. Ohio Two Cylinder Club accepts a 10% commission on items sold. We reserve the right to refuse items which are deemed unacceptable.

Unsold items must be reclaimed before Saturday, June 23, at 6:00 p.m. Unclaimed items will become the property of the Ohio Two Cylinder Club.

For more information, contact Kevin Fox at 740-225-4598.

### Shop daily for John Deere parts and memorabilia

Come and browse through The Trading Post several times a day as new items show up for sale. You never know what will turn up! You may find just the items you've been looking for.

The Trading Post will be open from 9:00 a.m. to 6:00 p.m. each day of the Expo. This endeavor is a fundraiser for the Ohio Two Cylinder Club.

## Golf Carts, Gators & Utility Vehicles

### Personal vehicles

Expo attendees may bring their personal golf cart, Gator, or utility vehicle onto the Expo grounds, with proper registration. Please stop at the Registration Desk under the Grandstand. A \$5.00 fee will be charged per vehicle. Personal golf carts and utility vehicles must have their registration tag visible at all times. This will be a wristband that we ask you to place around the steering column or canopy support.

### Golf Cart Rentals

Pre-registration of golf carts are available for three-day rentals. ***Pre-Registrations must be received no later than June 3, 2018.*** Send us your check, with a completed Golf Cart Registration Form (located on our website at [www.ohiotwoylinderclub.org](http://www.ohiotwoylinderclub.org)).

Or, you may pre-register online at: <https://expo-bus-tour-golf-carts.eventbrite.com>. Additional fees will apply.

One-, two-, and three-day rentals may be available at the Expo on a first come, first served basis, as quantities allow.

All renters must be at least 18 years of age and will be required to sign a rental agreement at the Expo. All drivers must have a valid driver's license.

### On-site Golf Cart Rental Rates

1 Day	\$ 75 + tax
2 Days	\$ 125 + tax
3 Days	\$ 175 + tax

Golf Cart Rentals will be located at the east end of the Grandstand, Building #7. Carts will be stored inside overnight.

### Safety first!

- Golf carts, Gators, and utility vehicles are not permitted in the buildings. Handicapped scooters may be used.
- All passengers must have a seat.
- Pedestrians always have the right of way.

For more information about pre-registration, call Vicki Slater at 330-201-1935.

At the Expo, contact Larry Ackert at 740-507-2869.

# Expo X Schedule of Events

Rev. 5-14-2018

## Headquarters are located under Grandstand, Building 7 - Open Daily:

Registration: 8 a.m.-6 p.m.

OTCC Sales Booth: 9 a.m.-6 p.m. - OTCC T-shirts available

Membership: 8 a.m.-6 p.m.

The Gathering Place: 9 a.m.-3 p.m. - A place to relax and socialize

## FFA, Building 9A:

The Trading Post: 9 a.m.-6 p.m.

## Grange, Building 8:

Seminars and Videos: 9 a.m.-6 p.m.

## THURSDAY, JUNE 21, 2018

		<u>Location</u>
7:00 a.m.	Gates Open	
9:00 a.m.	Opening Ceremonies	Outside Bldg. 53
10:00 a.m. - 11:00 a.m.	Seminar: "Model 140 L&G Tractor" - Mark & Darren Redding	Grange, Bldg. 8
11:30 a.m. - 12:00 noon	Ring Around the Tractor (See pg. 25)	Outside Bldg. 10
12:00 noon - 1:15 p.m.	Tractor Parade (See pg. 15)	On Race Track
1:15 p.m. - Until done	Tractor Games (Start time: immediately following Tractor Parade. See pg. 15)	On Pulling Track
2:30 p.m. - 3:30 p.m.	Seminar: "All About Gauges" - Jerry Trcka, Evergreen Restoration	Grange, Bldg. 8
3:30 p.m. - 4:30 p.m.	Threshing & Shelling Demo	Area inside Gate 1
5:00 p.m. - 8:00 p.m.	JR Acres Tractor & Equipment Museum (See pg. 7)	Off site

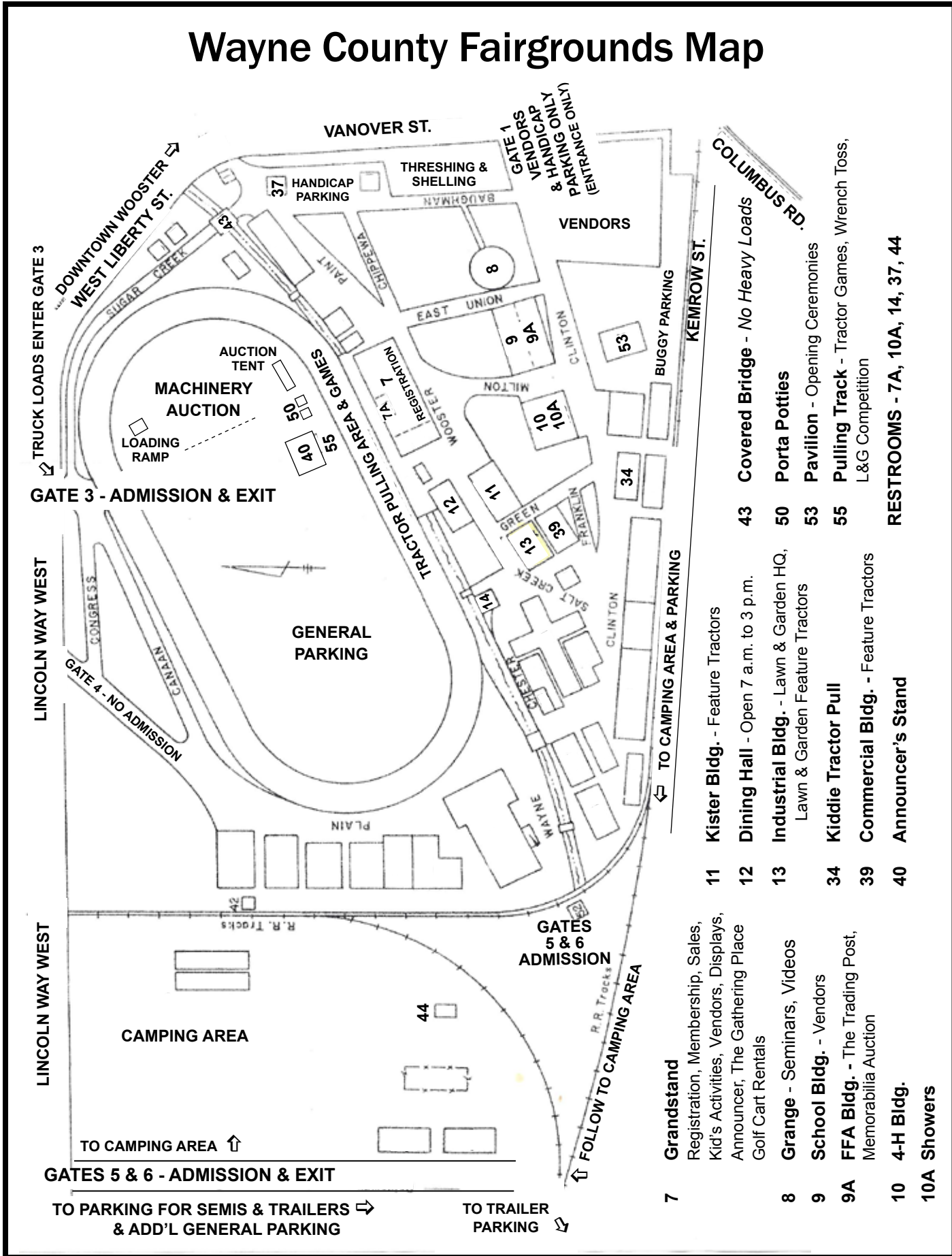
## FRIDAY, JUNE 22, 2018

7:00 a.m.	Gates Open	
8:15 a.m. - 5:00 p.m.	Bus Tour: Shopping & Dining in Amish Country (See pg. 7)	Meet bus inside Gate 1
9:00 a.m.	Opening Ceremonies	Outside Bldg. #53
9:15 a.m. - 10:15 a.m.	Seminar: "The Straight Furrow" - Tyler Buchheit & Dave Wolfe	Grange, Bldg. 8
10:30 a.m. - 11:30 a.m.	Seminar: "Painting Your Tractor" - Steve Fender	Grange, Bldg. 8
10:30 a.m. - 11:30 a.m.	Threshing & Shelling Demo	Area inside Gate 1
11:30 a.m. - 12:00 noon	Ring Around the Tractor (See pg. 25)	Outside Bldg. 10
12:00 noon - 1:15 p.m.	Tractor Parade (See pg. 15)	On Race Track
2:00 p.m. - 3:00 p.m.	Seminar: "Step Safety" - Dave Wolfe & Norman Quay	Grange, Bldg. 8
3:00 p.m. - 4:00 p.m.	Tractor Pull Sign Up / Weigh In (Any time until Class starts)	Front of Grandstand
4:00 p.m. - Until done	Tractor Pull (Light to Heavy; See pg. 22-23)	On Pulling Track
5:00 p.m. - 7:00 p.m.	Memorabilia Consignment Auction (See pg. 13)	FFA, Bldg. 9A

## SATURDAY, JUNE 23, 2018

7:00 a.m.	Gates Open	
9:00 a.m.	Opening Ceremonies	Outside Bldg. #53
9:30 a.m. - 10:30 a.m.	"Left, NOT Right!" Garden Tractor Competition (See pg. 23)	On Pulling Track
9:30 a.m. - 10:30 a.m.	Seminar: "Peanut Farming" - Hamilton Halford	Grange, Bldg. 8
10:00 a.m. - 11:00 p.m.	Kiddie Tractor Pull Sign Up (See pg. 25)	Bldg. 34
11:00 a.m. - 1:00 p.m.	Kiddie Tractor Pull (See pg. 25)	Bldg. 34
12:00 noon - 1:15 p.m.	Tractor Parade (See pg. 15)	On racetrack
1:00 p.m. - Until done	Machinery Consignment Auction (See pg. 13)	SE end of Race Track
1:30 p.m. - 2:30 p.m.	Wrench Toss (Age 8 to 18. Will follow Kiddie Tractor Pull. See pg. 25)	On Pulling Track
3:00 p.m. - 3:30 p.m.	Ring Around the Tractor (See pg. 25)	Outside Bldg. 10
5:00 p.m.	Closing Time	

# Wayne County Fairgrounds Map



TRUCK LOADS ENTER GATE 3

GATE 3 - ADMISSION & EXIT

LINCOLN WAY WEST

LINCOLN WAY WEST

GATES 5 & 6 - ADMISSION & EXIT

TO PARKING FOR SEMIS & TRAILERS & ADD'L GENERAL PARKING

TO TRAILER PARKING

- 7 **Grandstand**  
Registration, Membership, Sales, Kid's Activities, Vendors, Displays, Announcer, The Gathering Place Golf Cart Rentals
- 8 **Grange** - Seminars, Videos
- 9 **School Bldg.** - Vendors
- 9A **FFA Bldg.** - The Trading Post, Memorabilia Auction
- 10 **4-H Bldg.**
- 10A **Showers**
- 11 **Kister Bldg.** - Feature Tractors
- 12 **Dining Hall** - Open 7 a.m. to 3 p.m.
- 13 **Industrial Bldg.** - Lawn & Garden HQ, Lawn & Garden Feature Tractors
- 34 **Kiddie Tractor Pull**
- 39 **Commercial Bldg.** - Feature Tractors
- 40 **Announcer's Stand**
- 43 **Covered Bridge** - No Heavy Loads
- 50 **Porta Potties**
- 53 **Pavilion** - Opening Ceremonies
- 55 **Pulling Track** - Tractor Games, Wrench Toss, L&G Competition
- RESTROOMS** - 7A, 10A, 14, 37, 44



## Seminars & Presenters

Located in Grange, Building 8

### Mark Redding & Darren Redding

**“John Deere Model 140 Lawn & Garden Tractor: Happy Birthday!” - Thurs., June 21, 10:00-11:00 a.m.**

Mark Redding comes to us from Burlington, Indiana, and Darren Redding, Mark's son, is from Kokomo Indiana. They will give us a seminar on the John Deere Model 140 Lawn & Garden tractor.

The 140, introduced in 1968, celebrates its 50th anniversary this year. This was the start of hydrostatic transmissions and hydraulically-controlled attachments.

The Reddings write articles for *Lawn & Garden Tractor Magazine* and *Green Magazine*. Darren owns DMR Lawncare LLC. and is a U.S. Army veteran who was part of Desert Storm. Mark owns Redding Mowing Service, is retired from Chrysler Corporation, and is a retired U.S. Army veteran. In 1993, Mark and Darren started Redding Toy Farms, a JD collecting and restoration business, especially enjoying the “Patio” tractors, rare and low-production number models of lawn and garden. Darren enjoys researching JD history and JD snowmobiles.

### Jerry Trcka

**“All About Gauges” - Thurs., June 21, 2:30-3:30 p.m.**

Jerry Trcka comes from Spooner, Wisconsin, where he advertises as Evergreen Restoration in *Two-Cylinder* magazine and *Green Magazine*. Jerry will talk All About Gauges and take your questions.

Evergreen Restoration has oil, amp, and temperature gauges available in white or black faces for most two-cylinder Waterloo and Dubuque built tractors. Jerry's gauges are made in the U.S.A., and come painted and with hardware. Faces are made by Jorde Decals and have all the details of original John Deere gauges. All gauges are calibrated.

### Tyler Buchheit & Dave Wolfe

**“The Straight Furrow” - Fri., June 22, 9:15-10:15 a.m.**

Tyler Buchheit comes from Ellis Grove, Illinois, which is a few miles from the Mississippi River. He writes “The Young Timer” articles in *Green Magazine*. If you check his website, [www.mrbtractors.com](http://www.mrbtractors.com), you will learn that he is “The Plow Guy”. Tyler works for an after-market parts company. He is knowledgeable about moldboard and disk plows and can supply many plow parts. Moldboards went out-of-favor in the 1980s, so it is becoming a lost art to use one.

Dave Wolfe comes to us from Arcadia, Wisconsin. He advertises every month in *Green Magazine* under Beda Company. He has written four books on John Deere plows and made a DVD about plow use. He also sells a few hard-to-find plow parts.

Tyler and Dave will share their knowledge on John Deere plows.

### Steve Fender

**“Tractor Restoration”, Fri., June 22, 10:30-11:30 a.m.**

Steve Fender lives at Baltic, Ohio, and is known for his Fender's Fish Hatchery. He is an OTCC member and a contributor to our newsletter. In the wintertime, he and his helpers restore tractors under the name Ageless Iron Restoration.

“We specialize in restoring tractors and anything customers drag into our body shop. We handle most of the body shop supply brands. I have spent the last twenty years researching the major tractor colors and currently have over sixty colors crossed into automotive quality finishes.” Steve will host a forum on Tractor Restoration to answer your questions.

### Dave Wolfe & Norman Quay

**“Step Safety” - Fri., June 22, 2:00-3:00 p.m.**

As the farm population ages, the bodies also wear down and safety of getting on and off machinery becomes a concern. Dave Wolfe has a program on Step Safety and Norman Quay makes the steps. They will have a step installed on a tractor to see how it fits.

Dave Wolfe has been a presenter on various topics all over the country. He is the main writer, researcher and speaker for the Beda Company.

Norman Quay's business is Unique Design Workshop in DeGraff, Ohio, where he has a workshop to make steps for all makes of tractors.

### Hamilton Halford

**“Peanut Farming” - Sat., June 23, 9:30-10:30 a.m.**

Y'all know he's not from Ohio when he talks! Hamilton Halford comes from Perry, Georgia. He will tell us about farming in his state. Hamilton helps a farmer who has 5,000 acres total, with 3,500 in row-crop cultivation. They grow corn, peanuts, cotton, soybeans, wheat, hay, and pecans. These crops are supported with a crop-dusting strip and a modern cotton gin. He has been involved with law enforcement since 1987, driving a helicopter for the Georgia State Patrol. When phoned, he said he had been up the night before until 3 a.m. chasing the bad guys with his helicopter.

He plans to bring a 420 LP and a 430 LP tractor to our show among his collection of 55 JD tractors.

For more information on our speakers, contact David Badger at 419-564-6515.





## New auctioneer this year

We welcome trusted auctioneers, Steve and Seth Andrews, of Wooster, to handle our Memorabilia and Machinery Auction this year. Andrews is licensed and insured, and has been in business since 1971.

Early consignments appreciated for listing in advertising.

You may phone or email Andrews with your consignment details at 330-262-9186 or [steveandrews@sssnet.com](mailto:steveandrews@sssnet.com).

## Memorabilia Consignment Auction

**Friday, June 22, 5:00-7:00 p.m., Bldg. 9A**

Consign your John Deere memorabilia items for auction! We're accepting small, medium, or large items: dealer promotional items, paper, decals, magazines, ephemera, artwork, John Deere parts, signs, toys, model tractors, pedal cars, hand-made items, videos, display cases... anything Deere related!

To consign your memorabilia, bring it to the Expo to the FFA Building where the Auction will

be held. We will provide you with a form to list your items (or bring your itemized list with you). Items will be on display on Friday.

The Memorabilia consignment fee is 15%, with a \$5.00 minimum.

For more information, contact Joe Slater at [ohiotwoylinderclub@gmail.com](mailto:ohiotwoylinderclub@gmail.com) or phone 330-262-1993.

## Machinery Consignment Auction

**Saturday, June 23, 1:00 p.m., East end of Race Track**

We're accepting John Deere tractors, equipment, lawn & garden tractors, implements, parts, tires, and related items for auction.

Consigning your machinery is simple. Bring your John Deere items to inside the east end of the Race Track, preferably on Wednesday, June 20. A loading dock, loader trailer, and skid steer will be available, as well as volunteers to help. Items must be in before noon on Saturday.

Volunteers will be present to register your items. At that time, you will receive a detailed receipt of the items we accept for consignment.

After the auction, you will receive an itemized reconciliation, along with your proceeds.

Contact Andrews Auctioneers with your consignment details at 330-262-9186 or [steveandrews@sssnet.com](mailto:steveandrews@sssnet.com).

### **Machinery Auction consignment fees:**

10% on purchases of \$1 - \$999

8% on purchases of \$1,000 - \$4,999

6% on purchases of \$5,000 and up.

\$25 No sale fee.

For more information, contact Craig Shepherd at 419-673-7440 or Kelly Irwin at 740-701-1954.

## Mark your calendar for future Expos

Get those tractors ready for future Expos! Plans are already in process for these upcoming shows.

The **New York State Two Cylinder Expo** will be held in Canandaigua, New York in July, 2019, featuring John Deere Model M tractors. Visit [www.newyorkstateexpo.com](http://www.newyorkstateexpo.com) for more information.

The 2020 **Eastern National Expo XI**, hosted by Ohio Two Cylinder Club, will be held June 18-20, 2020 at the Wayne County Fairgrounds in Wooster, Ohio. The feature tractors will be the 20 series in both the two cylinder and New Generation tractors, and the 120 series in lawn and garden tractors. Visit [www.ohiotwoylinderclub.org](http://www.ohiotwoylinderclub.org) for information as it becomes available, and keep in touch with our two facebook pages, Eastern National Expo X, and Ohio Two Cylinder Club.



## Feature Lawn & Garden Tractor JD Model 110 Patio Colored

*By Dave Badger, of Polk, Ohio, retired John Deere Service Instructor for Columbus, Ohio Training Center, and OTCC member*

Back in 1969, we began to hear rumors that we would have different colors of lawn and garden tractors. We wondered what this was all about.

Deere and Company has used Henry Dreyfuss Associates to help sell their products. Dreyfuss is an industrial engineering group in New York that works with many clients to do thinking “out of the box” to help sales. Dreyfuss first worked with Deere on styling for their farm tractors introduced in 1939. Styling to give a new modern look did help sell tractors.

Dreyfuss noticed that John Deere lawn and garden tractors and equipment sit “side-by-side” next to competitive makes in many lawn and garden dealerships. The thinking was that women are influential in decision making when buying a lawn and garden tractor because they will be using and viewing it. Dreyfuss thought providing John Deere lawn and garden tractors in different colors would increase sales.

Many colored tractors were made in Horicon, Wisconsin and shipped down to Moline, Illinois for Deere & Company executives to view. Four colors were selected: Patio Red, Spruce Blue, April Yellow, and Sunset Orange. Tractors and implements were painted Dogwood White. The seats and hoods had the different colors. Dealers could quickly change these to suit a customer’s preferences. Tractors included were: Models 110, 112, 120, and 140.

So, we had colored tractors for the 1970 season. Some customers liked the new colors, and some did not. Those who did not bought

the green and yellow tractors. When a colored tractor was traded in, many dealers would take these tractors to the back room and paint them green and yellow. Attachments such as mower decks, snow blowers, and carts were available in white or traditional green and yellow. This made duplication in inventory with which dealers struggled.

The colored tractors came in 1970 and about halfway into 1971. Then all tractors and attachments reverted to green and yellow. The word Patio came later to identify these tractors just as happens with usage of many words.

Today colored “Patios” command a higher price because there are fewer of them than the green tractors. Authentic seats and hoods are becoming scarce and costly. Also, those persons restoring colored tractors, please be aware that dogwood white will not cover as well or as easily as green. The paint does not have the same “body” as the green. Also, grass stains are worse on white than on yellow. A word of warning: there are white tractors out there painted green, and green tractors painted white! Some people have made them to be what they wanted, rather than what they were originally, usually a second-hand ownership. A clue is to look underneath the machine for paint that does not match or incomplete coverage of one color over another.

We look forward to seeing the colorful Patio tractors at this year’s Expo.

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## Feature Tractor

# John Deere Model 4010

*By Dave Badger, of Polk, Ohio, retired John Deere Service Instructor for Columbus, Ohio Training Center, and OTCC member*

In the early 1950's, some Deere executives realized the two-cylinder tractors had pushed as high in horse-power that they could go with two cylinders. In 1953, a separate select group of engineers started from scratch at a downtown store (called The Meat Market) to develop new tractors originally scheduled for introduction in 1958.

Dubuque Works took the 430 and added a four-cylinder engine to make the 1010. A completely new design was used for the next larger tractor, the 2010. Waterloo Works tried to make something new and exclusive by building V4 and V6 engines. These were too wide for row-crop use and they threw heat back on the operator. This tangent effort took up time and they soon had to change the introduction date to 1960.

Waterloo engineers started with clean sheets of paper and arrived at in-line, four-cylinder and six-cylinder engines which shared many internal parts. Engine speed was doubled to give 2200 rpm at top speed. This gave them a variable speed engine with power from 1500 rpm up to 2200 rpm. Engines were available with gasoline, LP, and diesel. The Roosa-Master injection pump had variable timing to make the diesel engines run smooth at any speed. This gives a much higher horse-power to weight ratio that gives nimble performance like we never saw before. The frame width was set at 20 inches but the two cylinders were 16 inches. Styling was just beautiful. The hood was curved such that if the front end was a bit high or low, it still looked nice. These were available in standard, row-crop, and hi-crop.

Waterloo Works was responsible for the larger two tractors. The transmissions of the 3010 and 4010 have four gears on the bottom shaft with synchronized low, high, and reverse on the top shaft, giving eight speeds forward and three reverses. (Fourth reverse was locked out for safety reasons.) The shift lever has four stations giving low high, and reverse. The gears, in constant mesh-only collars, are shifted to give a much stronger transmission. Oil was pumped, under pressure, inside the gears to keep them running freely. The rear wheels were available with spiral rails to make for easy adjustment for spin in or spin out. Front wheels could be readily changed from single wheel, dual fixed, dual with Roll-O-Matic,

and wide front wheels.

The engineers selected a closed-center hydraulic system, meaning the valves are closed while in neutral position. This requires a piston pump that has variable stroke pistons. The concept came from the 707 Boeing airplane. When not needed, there is no drain on horse-power, but when needed, can produce lots of oil flow, quickly. Standby pressure is 2250 psi. This higher pressure allows keeping the hydraulic cylinders relatively small and still raise large implements quickly. This type of system can run all hydraulic functions on the tractor simultaneously. Functions on these tractors include power steering, power brakes, rockshaft, and selective control valves for remote hydraulic cylinders. Steering is done with oil pressure through steel lines. The steering valve has provision for manual steering if needed. There is no mechanical link for manual steering – this was a first for agricultural tractors! Power brakes gave easy use and braking capacity not known before. The rockshaft had lower link sensing, and worked well with 4 or 5 bottom-semi-mounted 145 plows. A Quik-Coupler made hitching to 3-point implements easily done with tractor hydraulics from the tractor seat.

The final drives use planetary gears to spread out the torque load and reduce pressure at contact points. This allows using much thinner oil in the transmission. The brake disks are incorporated into the final drive so they run in oil and are cooled by oil. This feature was patented. Transmission oil and hydraulic oil are the same, making the transmission a nice reservoir for the oil. Oil, pumped through the transmission, is filtered before getting to the hydraulic system. Oil goes through a cooler which sits beside the radiator to keep the oil cool.

Even the seat was redesigned to be more comfortable for operators. Dr. Janet Travell was called in to assist in the design of the deluxe Personal-Posture seat for improved comfort. The seat soon became standard equipment. Later, she was the physician for President John F. Kennedy.

The 4010 was the flag-ship of the New Generation tractors. The six-cylinder engine has a sound of its own that speaks power. Farmers loved the handling and power of the new tractors. These tractors made competition scurry to their drawing boards to improve their tractors. The 3010 and 4010 were way above the competition.



# Classic Class Tractor Pull Rules

Friday, June 22, 4:00 p.m.

John Deere Only - Up to 1973

Fun Pull - \$15 per hook. You must display/show in order to pull.

1. Any tractor or puller found to be unsafe or illegal might be disqualified or barred from hooking. **No** alcoholic beverages will be permitted.
2. Drivers must stay on the seat of the tractor at all times.
3. Any part falling off the tractor after being hooked, and until the tractor is unhooked, will result in disqualification.
4. When starting engines, operator must be in the seat. Starting engines while standing on the ground is prohibited, except for hand crank engines.
5. Unattended tractors with the engines running are prohibited. These rules apply to the pit area, staging area, track area, and ALL show ground areas.
6. **Age** - Those under 18 years of age must have a written parental/guardian permission.
7. Two hooks per class. One trophy per tractor.
8. **Entry** - A tractor cannot be entered in classes below its manufactured shipping weight.
9. **Speed** - Any gear, not to exceed 2.5 MPH.
10. Speed exceeding the limit and sounding the horn 3 times will result in disqualification for that hook. A driver may stop once before the 50-foot cone and allowed a restart.
11. **Weights** - Weights of a bolt-on type to either the front or the back wheels only. Factory Front's are allowed if they are made for that tractor.
12. Stock plus 10% RPM. Distributors can be used on Antique tractor.
13. **Hitches** - Maximum 18" height. Hitches must be as from factory – unaltered for that specific tractor. Operator must furnish a clevis with a minimum opening of 2.5 inches. Hitch measured at hook point of clevis. All tractors must pull from an original draw bar hooked to the original belly hook point.
14. **Safety** - The front wheels of the tractor are not to exceed 16 inches (or be declared unsafe by the flagman) off the ground during a pull.
15. **Kill Switches** - Will be mandatory in 2019. At 2018 pull, we will have some temporary switches available to use. If you are a puller, please put your own on.
16. **Appearance** - Tractors must maintain original stock appearance. No homemade rear end/PTO covers allowed.
17. **Tires** - No alterations permitted. 15.5 x 38 – 18.4 x 38 – 7500# and 8500# class.
18. **Exhibition Puller** - Any show participant who has a pure stock tractor that does not comply with the rules or does not have enough tractors to qualify in weight class may pull Exhibition. Paid entry fee required. Tractor cannot place in a class. Exhibition tractors will be the last pullers in the class.

## Classic Weight Classes

3000# • 3500# • 4000# • 4500# • 5000#  
5500# Powder Puff • 5500# • 6500#  
7500# • 8500#  
Open Class – up to 10,000#

For more information or questions, please contact  
David Howman at 330-466-0197 or Duane Howman at 740-707-9613.



# Div. II Tractor Pull Rules

Friday, June 22, 4:00 p.m.

John Deere Only - Up to 1973

\$15 per hook. You must display/show in order to pull.

1. Maximum tire size 15.5 inches, 7500#  
18.4 x 38 inches.
2. Cut tires permitted in all classes.
3. No RPM limit (unchecked).
4. Maximum 4.0 MPH with speedometer on sled.
5. Stationary draw bar 18 inch height maximum,  
18 inch back from center of rear wheel  
minimum.
6. Kill switches are mandatory. Wheelie bars are  
recommended.
7. Speed exceeding the limit and sounding the  
horn 3 times will result in disqualification for  
that hook. A driver may stop once before the  
50 ft. cone and allowed a restart.
8. **Safety** - The front wheels of the tractor are  
not allowed to exceed 16 inches (or be  
declared unsafe by the flagman) off the  
ground during a pull.

## Div. II Weight Classes

4500# • 5500# • 6500# • 7500#

## Weight Class Pulling Order

### Classic

### Div. II

- |     |                    |        |
|-----|--------------------|--------|
| 1.  | 3000 #             |        |
| 2.  | 3500 #             |        |
| 3.  | 4000 #             |        |
| 4.  | 4500 #             |        |
| 5.  | .....              | 4500 # |
| 6.  | 5000 #             |        |
| 7.  | 5500 #             |        |
| 8.  | 5500 # Powder Puff |        |
| 9.  | .....              | 5500 # |
| 10. | 6500 #             |        |
| 11. | .....              | 6500 # |
| 12. | 7500 #             |        |
| 13. | .....              | 7500 # |
| 14. | 8500 #             |        |
| 15. | Open Class         |        |

- Line-up is in order of sign-up.
- If you are not in line when you are called,  
you will pull last in class.

For more information or questions, please contact  
David Howman at 330-466-0197 or Duane Howman at 740-707-9613.

## “Left, NOT Right!” Garden Tractor Competition

Saturday, June 23, 9:30 - 10:30 a.m.

Have you always wanted to tell that tractor man where to go? Here’s your opportunity! Grab your tractor man and participate in this light-hearted garden tractor competition. Guide your blind-folded, tractor-driving man through an obstacle course with no verbal communication. Pre-register for this event by Friday, June 22 at 6:00 p.m. at the Lawn & Garden Headquarters, Building #13. Competition will be held on the Pulling Track in front of the Grandstand. Limited to 25 participants.

Visitors are welcome to cheer the participants on from the Grandstand seating.

For more information, contact Derek Snider at 567-674-5592.

# Tractor Parade

Thursday, Friday, Saturday, June 21-23, 12:00 noon

Join the parade! A Tractor Parade will be held at noon each day, Thursday, Friday and Saturday, on the track in front of the Grandstand. Anyone who displays a tractor is invited to participate.

The parade's Master of Ceremonies is Ohio Two Cylinder Club president Shaun Pickering, who will announce information about each tractor. Visitors are invited to sit in the grandstand seating to view the parade.

Tractors in the parade should line up on the south end of the track, starting at 11:00 a.m. You will be given a Parade Entry Card to fill out. Questions include your name, city and state, tractor year, model number and any interesting information about your tractor. As you approach the MC, hand him your Parade Entry Card, and pause while he announces your tractor.

If you participate in the parade another day, let them know your name. We'll have previously-completed cards on hand, listed alphabetically by last name.

For more information, contact Shaun Pickering at 913-706-1894.

## Tractor Games

Friday, June 22, 1:15 p.m., immediately following the Tractor Parade



Tractor Games are silly, fun exercises in competition and frustration. Anyone who displays a tractor is invited to join the contest and show off your skills! Tractor Games will be held on the Pulling Track in front of the Grandstand. Just show up with your tractor and sign up at the Track Announcer's Stand. For age 16 and over. The only thing you win is bragging rights. Visitors are invited to sit in the Grandstand seating to watch the antics.

1. **Slow Race** - In this race, the last tractor to cross the finish line wins. It's harder than you think!
2. **Barrel Roll** - This one's a doozy! Roll a 55-gallon barrel with your front wheels down the track, around a stationary barrel, and back. A timed event - shortest time wins.
3. **Ball Drop** - Drop golf balls into buckets as you drive through an obstacle course. The person with the most balls inside the buckets wins.
4. **Blindfolded Obstacle Course** - With two persons on a tractor, the driver is blindfolded, with the passenger serving as a coach to give instructions through an obstacle course. A timed event -- best time and accuracy wins.
5. **Blindfolded Driver** - At the starting line, you are blindfolded and will drive slowly and stop when you think you are at the second line, or are told to stop. Closest to the line wins.
6. **Chain in a Box** - A six to eight foot chain is hooked behind the tractor. Contestants maneuver their tractor (again and again) to get that chain into the box. A timed event -- shortest time wins.
7. **Basketball** - Shoot a basketball from your tractor when stopped at a predetermined distance from the hoop, then turn around and come back for a second shot. There will be a "shoot-off" if more than one person makes both shots.
8. **Wagon Parking** - With the clock ticking, and a wagon hitched to your tractor, pull the wagon out of the "shed", make a loop with it, and back the wagon back into the "shed". You will be disqualified if you hit anything or turn too short.

For more information, contact Ted Payn at 248-765-5464.

## Kid's Activities

- **Ring Around the Tractor** - Thursday and Friday at 11:30 a.m.; Saturday at 3:00 p.m.  
This activity is for the kid at heart -- **at any age!** For a \$1.00 entry in advance of playing, you will be given a number. As a participant, you will place your numbered mat in a circle on the lawn around a toy tractor, and stand on your mat. As music plays, participants will walk around the circle. When the music stops, players will stand on the nearest mat. A number is then drawn. The person standing on the corresponding numbered mat will *WIN* the toy tractor. You have a 1-in-24 chance of winning. This activity, which is sponsored by our toy vendors, will be held outside Building 10. Maximum 24 participants.
- **Wrench Toss** - Saturday, June 23, at 1:30 p.m. (or immediately following the Kiddie Tractor Pull). How far can you toss a wrench into a bucket? Located on the Pulling Track in front of the Grandstand. Ages 8-18. Winner gets bragging rights and an ice cream cone.
- **Corn "Sandbox"** - Located under the Grandstand, across from The Gathering Place. Kids can enjoy playing in this 8-foot sandbox full of shelled corn. Parents may rest in The Gathering Place while keeping an eye on their kids at play.
- **Shell corn** - Watch for the vintage John Deere one hole, hand-crank corn sheller under the grandstand which will be periodically pulled out for demonstrations.

## Kiddie Pedal Tractor Pull

**Saturday, June 23, 2018 • 11:00 a.m.**

Bring the kids to try out their tractor skills and enjoy some friendly competition at the Kiddie Pedal Tractor Pull, located in Building 34. Bleacher seating is available for parents and on-lookers. This event is provided compliments of the OTCC and Town & Country Fire Department.

- Open to girls and boys, age 3 to 10 years old.
- Age classes: 3 to 4 years; 5 to 6 years; 7 to 8 years; and 9 to 10 years.
- Sign up on Saturday, June 23, 10:00 a.m. to 11:00 a.m., in Building 34. No entry fee.
- Winners will receive an ice cream cone.
- Kiddie pullers must use pedal tractors provided.
- Ohio Two Cylinder Club and Town & Country Fire Department are not responsible for accidents.

## Ohio Two Cylinder Club

### Officers

Shaun Pickering, President ..... 913-706-1894  
Dave Howman, Vice President..... 330-466-0197  
Joe Slater, Secretary ..... 330-262-1993  
Mike & Denise Smith, Treasurers.. 740-225-3469

### Directors

Rodger Haulman ..... 937-652-3436  
Ted Payn..... 330-948-1902  
Lee Pletcher ..... 740-927-6388  
Fred Searson, Sr. .... 419-673-0470  
Craig Shepherd ..... 419-673-8210  
Skip Shepherd..... 567-674-8132  
Kenny Smith ..... 740-389-2791  
Derek Snider..... 567-674-5592  
Don Willson ..... 419-310-1884

### Other

David Howman, Expo Chair ..... 330-466-0197  
Vicki Slater, Expo Asst., Newsletter 330-201-1935  
Linda Howman, Website..... 419-564-5452  
Dave Badger, Historian..... 419-869-9022

### Membership

Join the Ohio Two Cylinder Club and enjoy the friendships you'll make and the common interest of green tractors. For only \$10 annually, you will receive four newsletters per year. There are usually three meetings per year held throughout Ohio.

Stop by to see Judy Brokaw at the Registration Desk under the Grandstand about your membership.

# In Memorium

The memories we hold dear of our friendships with these Club members help to ease the sorrow of their passing. Our thoughts go out to their families as we take a moment to remember them.

## **M. Ruth Price**

M. Ruth Price, 88, of London, Ohio, passed away August 20, 2016.

Ruth was a member of the Ohio Two Cylinder Club, along with her husband, Wayne. They were generous hosts of Plow Days for our Club on their family farm.

## **M. Dean Dulin**

M. Dean Dulin, 79, of Kenton, Ohio, passed away December 20, 2016.

Dean was a member of the Ohio Two Cylinder Club and was involved with the Lawn & Garden

displays at our past Expos.

Dean is the grandfather of OTCC board member, Derek Snider.

## **Earl F. Shepherd**

Earl F. Shepherd Sr., 86, of Kenton, Ohio, passed away April 3, 2017.

Earl was a member of the Ohio Two Cylinder Club and enjoyed collecting and restoring two cylinder John Deere tractors.

Earl is the father of OTCC board member Skip Shepherd.

## **Ronald E. Grimes**

Ronald E. Grimes, 77, of Lakeview, Ohio, passed away June 1, 2017.

Ron was an active member of the Ohio Two Cylinder Club and had served as director of the Club for a time.

Ron is the brother and brother-in-law of OTCC member Arlean Haulman and her husband, OTCC board member Rodger Haulman.

## **Harold "Hank" Mansfield**

Harold "Hank" Mansfield, 79, of Mentor,

Ohio, passed away July 29, 2017.

Hank was a member of the Ohio Two Cylinder Club and had been a part of the committee which organizes and runs The Trading Post at our Expo.

He had restored over twenty tractors, some of which may be seen photographed in magazines of John Deere enthusiasts.