

River Falls FFA Alumni

July 13th 2019 Tractor Pull Rules

Tractor General Rules

1. Be a Professional. Must have tractor registered before class starts. No exceptions made. Can call ahead of time to get registered if your tractor is arriving late.
2. Pullers must be 18 years of age or older to participate. Minors must have parent or Guardian consent forms signed. No one under the age of 18 will pull outside the Farm Stock Classes. No one younger than 12 years of age will be allowed to pull.
3. All pulls will be made from drawbar. The hitch height must not exceed 20 inches. All pullers must furnish their own twisted clevis or a 3" hoop hole. Clevis must be fastened to the drawbar with a 3/4" or larger bolt and safety pin.
4. No weights hanging directly above the draw bar. Must have 12" opening for the hook-up to the sled.
5. One fuel type only. Alcohol maybe used as fuel in Heavy Open class only.
6. Pulling order will be determined randomly by draw.
7. Operator must remain seated and drive in a safe manner.
8. Tractors must operate in a safe manner at all times. No chain jerking or hot-rodding Allowed.
9. All tractors must be in neutral or park when being hooked or unhooked from sled. "Hands up" signal by the driver will be used to indicate this is being followed.
10. Tractor must remain within the boundaries of the track. Failure to do so will result in Disqualification.
11. Tractor must be occupied while it is running.

12. Loss of any weight or part of the tractor will be grounds for disqualification.
13. All pulls must start with a tight chain and be straight in-line with the sled.
14. All drivers pull at their own risk. River Falls FFA Alumni, Total Excavating and Deiss Storage shall not be held responsible for any accident, injuries or damage to equipment.
15. Class pulling order and drivers order will be posted.
16. Tractors will be stopped if front wheels are more than 24" off the ground.
17. All tractors must scale prior to hooking to sled, immediately prior to the start of your Class. 200lbs grace over printed class weight. Once weighed, you are staged. Leaving the staging area is not allowed.
18. **NO BEER OR ALCOHOL TO BE CONSUMED FOR CONTESTENTS!!!!**
19. Track officials have the right to move a puller to a different class.
20. The first puller has no option of a re-hook. Only chance to re-hook is if the sled has adjustments made to it.
21. In the speed limit classes, the puller has 100 feet to adjust his speed, after 100 feet any time of exceeding the speed will result in disqualification.
22. Violations of any rule shall constitute a disqualification. Arguing with judges will not be Tolerated, and will result in immediate disqualification.
23. **ALL GENERAL RULES APPLY TO EVERY CLASS!!!**
24. **All JUDGES' DECISIONS ARE FINAL!!!** Failure to obey track officials will result in Disqualification and may lead to removal from event.

General Safety Equipment (Required for Heavy Open and Pro Farm Classes)

1. All tractors must be equipped with the following safety equipment:
2. Steel flywheel, SFI approved scatter blanket, wheelie bars with bumpers strong enough to support weight of tractor, fenders, kill switch, 2.5lb fire extinguisher, SFI approved roll cage, side shields and a second shutoff at the pump. Must have a spring-loaded throttle that returns to idle. Must have a 3 way dump valve a head of the injection pump operated by a cable.
3. SFI approved fire suit, helmet, gloves, shoes, and five-point harness required.
4. Electric fans are required. Stock engine driver fans are not allowed.
5. A signed driver statement required for flywheel.
6. Safety equipment and other components must be made available for inspection upon request of judges and upon protests.

Farm Stock

7500 non turbo 5 mph

9500 non turbo 5 mph

11000 turbo 8 mph

12500 turbo 8 mph

14000 turbo 8 mph

1. ALL GENERAL RULES APPLY
2. Must have OEM block, fuel system, frames, hoods, drawbar, seats, grills, and front end.
3. Cut tires not allowed.

4. Tractors must have working hydraulics and PTO.
5. Water injection not allowed.
6. Fuel source must be factory to make and model. If it's a diesel it's still a diesel.
7. Factory and M&W Turbo's allowed in all turbo classes. Must be installed in a stock appearing manner.
8. Any tractor with a blower internal or external are allowed to pull in a turbo class.
9. All oil lines, exhaust systems and intake tubing must fit in a total stock manner and must be installed on tractor in order to compete. Stock air cleaner housings and correct plumbing required. Air filter elements not mandatory.
10. 2800 RPM maximum for **Turbo Classes**.

Heavy Open

9500

1. ALL GENERAL RULES APPLY
2. ALL GENERAL SAFTEY EQUIPMENT REQUIRED
3. Engine block cannot be modified externally in anyway. Only one injection pump allowed. Intercoolers allowed. No nitrous allowed. Only one fuel allowed. Up to a P Pump allowed. Alcohol allowed.
4. Can use multiple turbos.

Borderline Pulling Series 2019
Improved Farm (2.8 x 3)
11,000 - 11,500

ALL GENERAL RULES APPLY!

Engine

- No RPM and speed limits.
- No block larger than 466 cubic inches.
- Engine head must be OEM for that brand and (no aftermarket heads).
- Factory exhaust manifolds only. OEM intake and factory replacements only. No homemade intakes of any kind.
- Turbo: Maximum of a 2.8 inlet by 3 inch outlet. Must be smooth bore. No slots or slugs unless using a 2.6 inlet by 3 inch outlet than Slots or Slugs are allowed. No inner or after coolers.
- Water injection is allowed only in the intake pipe.
- Diesel fuel only. OEM pump must match make and model of manufacturer. (Example John Deere A-Pump/IH Rotary Pump). Must have OEM appearing injection pump, no injection pump larger than A-Pump. No nitrous or propane allowed.
- No exhaust pipe larger than 4 inches in diameter. Must have cross bolts in exhaust pipe.

Safety

- SFI steel flywheel, SFI approved scatter blanket or 3/8 inch plate surrounding the bellhousing (will be teched), wheelie bars, fenders, kill switch, 2.5 pound fire extinguisher, full roll cage with five point harness, if using a ROPS seatbelt is required, side shields recommended, air shutoff, and must have a spring loaded throttle that returns to idle. Must have a 3 way dump valve ahead of the injection pump operated by a cable. Electric Fan is required.
- DOT approved helmet required. Fire suit recommended.
- All competitors must sign a notarized affidavit as proof of having a SFI steel flywheel.

Frame

- Block, driveline, transmission, rear axle and sheet metal must match the model of the manufacturer.
- No custom or component frames. Stock frame only. Tractors must have stock wide front end. Must have frame ties.
- No tires larger than 20.8 x 38. No cuts or ground tire of any kind allowed. No aluminum rear rims allowed.

Borderline Pulling Series (Points) 2019
Pro Farm (3x3)
9500 - 10,000

ALL GENERAL RULES APPLY!

Engine

- No RPM and speed limits.
- No block larger than 466 cubic inches.
- Engine head must be OEM for that brand (no aftermarket heads).
- No overhead cams, 2 valves per cylinder.
- OEM intake and exhaust manifolds.
- Turbo: Maximum of a 3 inch inlet by 3 inch outlet. Must be smooth bore. No slots or slugs. No inner or after coolers. United Pullers of Minnesota Certified Turbos allowed.
- Water injection allowed in the crossover pipe and ported water is allowed in the intake manifold only, not the head.
- Diesel fuel only, no injection pump larger than a P-Pump.
- Must have cross bolts in exhaust pipe.
- All inline turbocharged engines are required to have one 3/8 inch thickness cable mounted between cylinders number 2-3 with 4 clamps at the splice, with no more than 4 inches of slack.

Safety

- SFI steel flywheel, SFI approved scatter blanket, wheelie bars, fenders, kill switch, 2.5 pound fire extinguisher, full roll cage with five point harness, side shields, air shutoff, full firewall. Must have a spring loaded throttle that returns to idle. Must have a 3 way dump valve ahead of the injection pump operated by a cable. Electric Fans are required.
- SFI approved fire suit, helmet, gloves and shoes.
- All competitors must sign notarized affidavit as proof of having a SFI steel flywheel.

Frame

- Block, driveline, transmission, rear axle and sheet metal must match the model of the manufacturer.
- Must have frame ties or a one piece frame.
- Maximum length of 13 feet from the center of the rear axle to the front of the tractor, including any type of weights.
- No tires larger than 20.8 x 38 cuts allowed. Aluminum rims allowed.

Midstate Pullers: Light Limited Pro Stock(Smokers)

Weight Class is 8000#

- M.S.P.W Tractor Class Members have agreed to follow these guidelines and place safety as our top priority followed by putting on a high quality show for the promoters and the fans.
- Stock appearing heads. No after market billet heads allowed.
- Inner coolers allowed up to 505 cubic inch with +/- 1% tolerance. This cubic inch rule will be in effect for 5 years, starting pulling season of 2016 through the end of the 2020 pulling season.
- 510 cubic inch or below max turbo is 3"x 4", which may be slotted.
- Legal Turbo Definition is the following: 3" inlet, 4" exhaust outlet, no waste gates, intake housing to be no larger than 3" at the face of the wheel. No additional openings in the compressor housing outside the 3" opening. MWE groove is allowed a maximum width of .200. MWE groove must be inside the neck area where the intake cover is measured at 3". The tips of the intake wheel shall protrude 1/8" into the cover of the intake and this is where the measurement will be done with a caliper. PPL intake cover for 505 or less cubic inch.
- Above 510 cubic inch 3" x 3" turbo (Current NTPA Super Farm legal turbo rules will apply, see next pages)
- No Nitrous Oxide, only permitted fuel is diesel, with fuel pump lubricants such as , Standayne, is permitted.
- High pressure water injection systems are allowed with water-soluble pump lubrication additives.
- Must have kill switch that can be operated from the dash and from the rear of the tractor.
- Must have 3 way dump valve and check valve on fuel system.
- Must have shatter blanket and steel flywheel (SFI approved is preferred).
- Must have roll cage and tie bars.
- Will also meet all other general safety equipment as outlined in NTPA rule book.
- Tire size limited to 24.5" x 32" or 20.8" x 42 ", any style of cut allowed.
- Maximum hitch pulling height is 20"
- Factory cast rear end and transmission housing only. No components chassis.
- Maximum size of fuel pump allowed is "P" pump
- There will be random inspections of the turbo chargers for circuit member's tractors, at any M.S.P.W. sanctioned event, with a standard measuring slug that meets the above definitions being used to conduct the inspection. The method for selection will be drawn out of all current class members. That member will be notified that he/she will need to be inspected at that event by one of the designated M.S.P.W. members either prior to the pull or after they have pulled, depending on time.

- All M.S.P.W. Smoker Class Circuit Members agree to be inspected prior to the season by a non tractor class member. The engines shall have a seal placed on the oil pan indicating that they were inspected and a seal number shall be recorded with the secretary. If a new seal is needed due to mechanical work. That member will need to contact one of the designated non class members to get reinspected and resealed.

M.S.P.W. Smoker Class Rules 2019

Hot Farm Tractor Rules (To run with M.S.P.W. Smoker Class)

- Will run at 9500 lbs
- Can use a 3x3 slotted turbo no bigger and will follow same rules as NTPA Super Farm Tractors on the intake and exhaust sides of the turbo
- Maximum tire size 20.8" x 42"
- Maximum cubic inch limit of 510, NO BIGGER
- Will also meet all other general safety equipment as outlined in NTPA rule book.
- Bryan Pretzman will be Grand Fathered in with a 600ci motor for 3 years starting 2017 pulling season

Midstate Pullers: Diesel Light Limited Super Stock

Class Contacts: Chad Zachow 715 613 5130 & Luke Rindt 715 613 4179

Class Weights: 6500lbs

Engines

- Engine crankcase, block and cylinder head must be of same manufacturer or factory replacement and can be used in any agricultural transmission and rear end that used that brand of engine. Through its company mergers used that brand of engine

Example: CNH = Case, Farmall, International, Case IH, Ford and New Holland

AGCO = Oliver, Moline, White, Massey Ferguson, AC and Deutz

- Engine must match brand of tractor

- Rear of tractor must be in a stock location for make and model of rear end and transmission housing with a maximum tolerance of a 1" adapter plate
- No V-8 engines allowed
- Cylinder heads must be the OEM manufacturer casting for said tractor and engine block or factory replacement block at the time of manufacture. Original casting must be retained. Porting and polishing of the original ports is allowed. Modifications to the cylinder head(s) to accept for billet, casted, recast, molded or any other kind of insert is NOT allowed. Cylinder heads limited to two valves per cylinder head. No overhead camshafts allowed
- Use of supercharger(s) is not allowed
- Maximum of 315 cid (+ or – 1 percent) for twin turbo charged diesel engines. Intercoolers allowed
- Turbocharger(s) shall not exceed a 3" inlet and a 4" outlet measured at the face of the wheels. Slot cannot feed inlet face of wheel and .200 MAF enhancement allowed
- Maximum of 410 cid (+ or – 1 percent) for single turbo charged diesel engines. Intercoolers allowed
- Turbochargers(s) shall not exceed a 3" inlet and 4" outlet measured at the face of the wheels. Slot cannot feed inlet face of wheel and .200 MAF enhancement allowed
- Maximum of 470 cid (+ or – 1 percent) for single turbo charged diesel engines. No intercoolers allowed
- Turbocharger(s) shall not exceed a 3" inlet and a 4" outlet measured at the face of the wheels. Slot cannot feed inlet face of wheel and .200 MAF enhancement allowed
- The Maximum allowed size pump for diesel injection is a P7100 P-Pump. No aftermarket housing. Only one plunger per cylinder allowed

Chassis

- OEM tractor rear end and transmission housings only will be accepted, no component tractors allowed
- Maximum length 13 feet measured from center of rear axle to forward most point, excluding tow hook
- Maximum wheelbase 114"
- No type of front end suspension will be allowed, swivel axle front ends will be accepted
- Skid plate should be mounted in-line with each frame rail and extend from the center of the front axle forward
- Tractors should have a full running frame rail from the axle housing to the front of the tractor or tie bars running from the axle housing to the frame. The tie bars must be able to support the weight of the tractor with all of the bolts from the transmission housing removed
- Wheelie bars independent of hitch. Must be able to lift tractor with jack under pad in heaviest class tractor participates in

- Maximum hitch height 20" and will be no shorter than 18" measured from the center of the rear axle to the hooking point

Tires

- 24.5 x 32 with a maximum of 210 inch circumference when inflated to 10 psi. Tread width not to exceed 25 inches (30.5 x 32 tires will pull at 6250#)

Safety

- All competitors will wear helmet. Snell 2005 rating or better
- All tractors will have steel flywheel assembly. No cast iron
- All tractors will use bellhousing blanket
- A safety kill switch at the rear of the tractor
- Must have at least 2 ½ lbs fire extinguisher and be convenient to the operator
- Roll cage or roll over protection is required and safety belt is required
- Fenders must be constructed so that when the driver is secured in the competition position no part of the driver's body can touch the tire