

GARDEN TRACTOR PULL RULES

Superintendent – DEAN SKELLIE - 518-692-7143

COMPETITORS PLEASE USE GATE E TO ENTER PIT AREA

Entry Fee: \$10.00 per tractor / per class

Pull on Thursday, August 26th, 2010

Prizes: (per class) 1st: \$40.00; 2nd: \$30.00; 3rd: \$20.00; 4th: \$10.00

Classes:

12.5 hp & under - 1050 lbs.

12.5 & under - 1100 lbs.

20 hp & under - 1050 lbs.

20 hp & under - 1100 lbs.

Stock Altered - 1050 lbs.

Stock Altered - 1100 lbs.

Super Stock - 1050 lbs.

Super Stock - 1100 lbs.

4 Cyl Modified - 1600 lbs. (2 classes)

V8 Modified - 1900 lbs. (2 classes)

GENERAL RULES: FOR ALL CLASSES

1. Judges/Flagman decision will be final. Any disagreement on their decision on any point of controversy will result in disqualification for that class for that day.
Comment: Scale person also has final say at scales.
2. Each contestant must sign a Waiver releasing the association or any other sponsor of any liability in case of accident.
3. Drivers under 18 years of age must have a signed Parental Consent on file, unless required otherwise by the sponsor's insurance.
 - A) 8yrs. old for Stock 12 hp & 20 hp (all Stock Classes)
 - B) 13 yrs. old for Stock Altered
 - C) 16 yrs. old for Super Stock & Modified Classes.
4. Tractor will be operated in a safe and orderly manner at all times.
5. Track Official, Board Member, Sled Operator may disqualify any person under the influence of alcohol or drugs at any time.
6. Operators must be fully clothed; including shoes (no sandals or shorts).
7. Fire Suits** and Fire Resistant (boots or leather shoes) required in Stock Altered, Super Stock and Modified classes. Must be zipped and secured.
** Minimum requirement for fire suits is SFI 3.2A/1 rating.
8. Helmets (minimum 3/4 coverage, DOT approved) required in Stock Altered, Super Stock, and Modified Classes: includes tractors jumping classes.
Persons under the age of 16 are required to wear helmet in all classes.
9. Operator must have tractor out of gear and hands off wheel in view of person hooking tractor to sled.
10. Operators must remain in seat. Drivers must have at least one hand in contact with steering wheel at all times during the pull.
11. Stock Altered, Super Stock & Modified, must be equipped with a kill switch at the rear of the tractor with a minimum 1" diameter ring for connection to transfer machine.
12. All tractors must be equipped with working brakes.
13. Each tractor must have a fire extinguisher securely fastened within easy reach of the driver.
14. All tractors must be equipped with wheelie bars to prevent turnovers. Point of contact should be no more than 5" from the ground and no less than 5" behind the rear most part of the tractor tire. Skid plates are to be at least 3" x 3" at the ground contact point. Wheels shall be at least 1" wide and 4" in diameter. Must be strong enough to support the weight of the tractor.
15. L brackets(Anti-Climb bars) required in Stock Altered, Super Stock and Modified on wheelie bars; must be 6" high attaching from rear most point of wheelie bars and be attached at two points.

16. The drawbar must be horizontal and stationary in all directions. With hitching device not more than 3/8" thickness and must have a 1 1/4" hole for hook. Pulling point may not extend beyond the rear tires and not more than 13" above the ground. It shall not contact any part of the chain other than the hook. No clevis, except in Stock class (must be Okayed by an Official). Drawbar must be easily accessible.
17. Must have 6" "No Zone" around the hitch point (3" on each side of hook point).
18. All tractors must be equipped with peg, pad, running board, or floorboard and fenders. (Fenders may be fabricated).
19. Engine exhaust must discharge vertically above the hood or below the frame. Stock tractors with mufflers in place are not required to comply with this rule.
20. All safety equipment and weights must be secure. Wheel weight rods must be covered. Tractor will be disqualified if any weights or safety equipment falls off and touches the ground while hooked to sled. Unforeseen breakage does not disqualify the tractor/driver; i.e. engine failure, drive train failure, etc.
21. Any portion of tractor crossing over or touching boundary line during pull will result in disqualification. There is no "out of bounds" once the tractor passes the full pull mark.
22. Batteries must be covered on top and all sides, if not in stock location.
23. Tractor must be two-wheel drive, rubber tired tractor, no caterpillar type tractor, tire chains, steel wheels, or dual wheels.
24. All starts must be with chain tight (no jerking starts).
25. Registration will be closed for each class at the start of that class.
26. All tractors must have their entry numbers visible on the left side.
27. Number 1 puller will be the test puller; he/she may take the pull, come back third or last place. Test puller must decide before the tractor is unhooked.
28. Tractor may enter once per class. Two class maximum per tractor.
29. Each contestant will be given one pull on weighted sled or transfer machine, with all attempts in the same direction. Speed will be the decision of the driver.
30. Each contestant will be allowed two attempts or 50' to start the sled. All classes may coast past the 50' mark. Pull off contestants will be allowed only one attempt.
31. Contestants are allowed to drop to end of class to make repairs, but must be ready to pull when called at end of class.
32. Pull-Off contestant's will only be allowed to add fuel and change weights before the pull off. Repairs to broken equipment will also be allowed if time permits.
33. Hitch height will be checked in same accordance when scaled; 13" height or less. Tractor will be disqualified for being overweight (5lbs. over allowed), over drawbar height.
34. **Staging Area Procedures:** All tractors in class will be staged according to class order. No weights or air tanks will be allowed in staging area. Drivers must be with tractors at all times.
35. No one except the driver and track official will be allowed on the track during the pull. Any other person must be on outside of boundary line.
36. Working zone for the track will be 20 feet wide and 200 feet long for all tracks.
37. All tractors may be protested. \$100.00 Protest Fee. Protest may be made by another participant in that class. Must be known to an official before the completion of that class. If the tractor is found legal, that puller will keep the \$100.00. If the tractor is found illegal, the protester keeps the \$100.00. Tear down will be done at the end of the pull day. Tractor will be torn down by owner or person specified by owner.

STOCK CLASS RULES

1. Tractor must be in stock appearance O.E.M, hood, grill and fenders. Fenders may be fabricated, must be able to hold weight of driver.
2. All seats must have 3" back.
3. Tractor frame may be modified, but not lengthened.
4. Wheelbase may not be changed from original equipment.
5. Engine may not be part of frame.

6. Engine need not be original equipment, but must be in stock form.
7. Maximum 3 cylinder, 20HP allowed.
8. Stock lift camshaft.
9. Stock bore with up to .030 clean up bore.
10. Stock stroke for engine.
11. Must use stock piston and rod design must be flush or below deck of block.
12. Must use stock unaltered carburetor.
13. Must have an air cleaner.
14. Must use stock O.E.M. head and head gasket.
15. Must use stock ignition system.
16. No electric fuel pumps unless factory equipped.
17. No pressurized fuel tanks.
18. No intake standoffs or velocity stacks.
19. No porting and polishing.
20. RPM must be controlled by a governor.
 - A) Maximum limit 4000 RPM's for 12.5HP and under, limit no load.
 - B) Maximum limit 4500 RPM's for 13HP - 20HP, limit no load.
21. Must have working reverse.
22. Transmission or Transaxle must be original equipment for the tractor.
23. Modification to clutch, driveline, and transaxle assembly are allowed.
24. All flywheels, clutches, and pulleys must be equipped with original factory shielding. If other than factory shielding; should be minimum 1/8" thick steel or equivalent.
25. Tires need not be original equipment, maximum size 26 x 12 x 12, up to 8.50 x 16 or 9.50 x 15 tires and wheels will be allowed if originally equipped.
 - A) No Professional pulling tires or paddle type tires allowed. (Cepek, PitBull or VM's)
 - B) Tread design may be Bar or Turf type.
 - C) Any style tire cutting permitted.
26. Tractor front weights may not be extended further than 7' from center of rear axle forward and weights are not to extend more than 6" beyond rear tires.
27. Gas or diesel only, no alcohol or nitrous.

STOCK ALTERED RULES ***

1. Must run factory looking hood and grill. Must have stock length frame.
2. Single cylinder four cycle Flathead engines only (16HP maximum).

*** NQS Stock Altered and 30 Cubic Inch Super Stock allowed to run in this class per NQS Rules.
3. Tractors with OHV engine, Twin Cylinder engine or engines without steel flywheel or shielding will be allowed to compete, but will be limited to 4500 RPM's regardless of flywheel or shielding (20HP maximum).
4. Engines must be Kohler, Wisconsin, Tecumseh, Briggs, Onan, Kawasaki, or Honda.
5. Engine blocks must be O.E.M. stock appearance.
6. Maximum Engine Bore 3.780".

Maximum Crankshaft Stroke 3.25".

36.50 Cubic Inch limit.
7. Carburetor must be Kohler type. Chokes may be removed.
8. Carburetor must be mounted to the engine with no more than 1" spacer.
9. Carburetor may not exceed one inch venturi (must be in stock location).
10. Billet heads are permitted along with after market stock heads.
11. Porting and Polishing are permitted.
12. Blocks may be relieved.
13. Air cleaner and velocity stacks allowed.
14. Camshaft may be reground.
15. Maximum valve lift .330.
16. No welding allowed in engine blocks. No external modifications allowed on engine blocks.

17. Starter pulleys must be billet aluminum or steel. Factory starter pulleys and stamped steel are not allowed.
18. All other engines cannot exceed Kohler specifications.
19. All engines must have a scatter shield opposite the cam shaft of the motor, must be made of 1/8" steel or 3/16" aluminum, must cover full height and width of block, be attached in secure manner to frame and head or head plate.
20. Steel flywheels mandatory, if running Unlimited RPM's
21. All thread through finned are acceptable.
22. No pressurized fuel tanks. No nitrous oxide.
23. Pumped Gas or Alcohol (alcohol must be clear)
24. Gas specified gravity. 750 maximum (tested with dielectric tester).
25. No over-sized valves. Stock size only, 1.380".
26. Kill-switch required. Must kill ignition and fuel pump.
27. Wheelbase 52" maximum.
28. No portion of any tractor may exceed 7' from the center of the rear wheels, including weight.
29. Maximum tire size 26 x 12 x 12. Tire tread pattern be Bar or Turf Type (no paddle type). Professional pulling tires allowed.
30. Foot peg, platform and seat must be in stock location.
31. Tractor must have Garden Tractor Rear-Ends. Locked Rear-Ends permitted.

~~ Things we will tech ~~

- Bore 3.780 max.
- Valve lift .330 max
- Carb size 1.0 venturi
- Stroke 3.250 max.
- Valve size 1.380 max.
- Fuel .750 specific gravity max.

SUPER STOCK RULES

1. Tractor must be in stock appearance and must have hood, grill, seat and fenders in place.
2. Tractor frame may be modified, but may not be lengthened.
3. Transmission and rear axle housing need not be original equipment for the tractor, but must have been originally manufactured for garden tractor use. Interior parts may be modified.
4. Engine need not be original equipment, but must meet the following rules:
 - A) 1, 2 or 3 cylinder (50.5 cubic inch)
 - B) 4 cycle
 - C) Originally rated at 20HP or less.
5. 1/16" Metal Shield must be provided over all belts, chains, etc.
6. 1/16" Metal Shield must be provided over Turbocharger.
7. 1/8" Steel or 3/16" Aluminum Shields must be provided 360 degrees around the flywheel (Steel flywheel only) and clutch for unlimited RPM motors.
8. 4500 RPM maximum limit for cast flywheels.
9. Oxidizers (i.e. nitrous oxide), pressurized fuel tanks are not allowed. There are no other limitations on fuel or fuel system.
10. Maximum tire size 26 x 12 x 12. Tire tread pattern may be Bar or Turf Type. (no paddle tires). Professional pulling tires allowed.
11. Maximum length of 8' feet, from center of rear axle forward, including weights. Maximum wheel base length 56".
12. NQS Pro-Stock and Super Stock 50.5 Cubic inch maximum are legal to run in this class. NQS Pro Altered also allowed running in this class.
13. All tractors running turbo's will have two (2) 3/8" bolts crossed in the exhaust and have air shut-off.
14. Kill switch required; must kill ignition & fuel pump.

SUPER STOCK OPEN DIESEL

1. General Rules apply, see VTPA Garden Division Rule Book.
2. Drivers must be at least 16 years old and capable of operating the tractor.
3. Engine will be no more than 3 cylinders. May be liquid or air cooled.
4. Engine will be no more than 75 cubic inches.
5. Water injection will be allowed.
6. Engine modifications are permitted = Rods, Pistons, Cam, Fuel System.
7. Engine must have block casting model and serial numbers, not grounded off.
8. Engine should have OEM intake manifolds and exhaust manifolds, polishing is permitted.
9. Head work is permitted on stock heads. No Billet heads. No over head cams.
10. Injector and injector pump modifications allowed. No Billet injector pumps.
11. Turbo charging is permitted, but limited to one turbo only.
 - A). Turbo will be fitted with an air shut off on the compressor inlet side of the turbo.
 - B). Exhaust "L" of turbo must have minimum of 5/16 cross in elbow with exhaust to discharge vertically.
12. Electric fuel supply pump is permitted with positive power wire to have a disconnect at rear of tractor.
13. No propane or nitrous of any kind will be permitted.
14. Tractor must have a stock appearing hood and grill (nose piece). Switching to another factory sheet metal is permissible.
15. Must use a lawn mower rear end / transaxle. No cut down automotive rear ends or Panzers.
16. Engine Shielding Rules: Minimum thickness of 16 gauge steel on external side of cylinders extending from head gasket to frame. Shield must be attached to frame at the bottom and the block at both upper corners.
17. Must run 5/16" cable around oil pan over top of valve cover in a complete circle connected with cable clamps.
18. No Fin or Cast Flywheels, along with the general flywheel shielding rules of 1/8 inch steel or 3/16 inch aluminum 360 degrees.

NOTE: This rule can be substituted with the use of factory steel side shields.
19. Clutch assembly and fly wheel must be surrounded 360 degrees with 1/8" metal or 3/8" aluminum.
20. Maximum wheelbase: 56 inches.
21. Max. distance from center of rear axle to farthest point forward: 96".
22. ALL TRACTORS MUST HAVE maximum hitch height of 13 inches. Flat plate with 2 inch hole. Hitches rigid in all directions with 3 inches on either side of the hitch as dead-man zone from hitch to top of seat. No weights in the dead-man zone, only the kill switch entered approximately 10 – 12 inches above the hitch in this area
23. Maximum tire size: 26 x 12.00 x 12 alterations allowed.
24. Wheelie Bars must be rigid in all directions and able to support the tractor and driver in the heaviest class. Each skid show must be a minimum of 2 inch x 3 inch or use of 5 inch round wheels is allowed. Tractor must have 2 skid shoes or 2 wheels. The wheelie bars must be a minimum of 5 inches from rear most part of tire and maximum of 10 inches. The wheelie bars must also be a maximum of 5 inches from ground to bottom of skid shoes or wheels. A bumper bar 6 inches in length vertical in rear most position is required. Refer to diagram to page 19. Weights on back of tractor must be contained up to 1 inch before the end of the wheelie bars
25. Helmet, fire suits and closed toe shoes REQUIRED for all drivers.
26. Must have a "dead man" throttle. Throttle shaft must have return spring in case of a breakage in linkage
27. Kill switch device mounted on rear of tractor must disconnect power to electric fuel pump along with activating turbo air shut off.
28. All tractors must have fenders to protect driver from the rear tires. Fenders should extend at a minimum of 4 inches out over the tires. All tractors must have a least a 3 inch seat back on all seats.
29. ALL TRACTORS MUST HAVE at least a fully charged 2 lb fire extinguisher on board in reach of operator. A functional gauge on the fire extinguisher is REQUIRED.

30. A tractor may be entered only once per class.
31. PROTEST RULE: If a puller protests another puller, he must put up \$50. If a tractor is found to be legitimate, that puller will get to keep \$40 and the other \$10 goes to the club. If the tractor is found to be illegal, the puller making the protest will get \$40 back and the other \$10 goes to the club.
32. These rules can be changed in order to promote fairness to the type's tractors at anytime during the season.
33. Competitors wishing to compete for points in the class must contact VTPA for a competition number. This number needs to be displayed on the side of the tractor. Must be a VTPA member.

MODIFIED CLASS RULES

1. Tractor may be homemade, but they are limited to 8' in length from the center of the rear axle to the furthest point forward (including weights)
2. Engine will be limited as follows:
 - A) Internal combustion, piston or rotary (no turbines).
 - B) Any combination of single or multiple engines (total of 4 pistons or 2 rotors).
 - C) 2.5 L Piston type
 - a) Fuel System: Carburetors or Fuel Injection allowed
 - b) No Turbo's or Superchargers
 - D) 1.5 L Rotary type - Maximum 2 Rotors
 - a) Fuel System: Carburetor Only
 - b) No Fuel Injection, No Turbo's, No Superchargers
 - E) 2.55 L Diesel Engines
 - a) Fuel System: Fuel Injection
 - b) Diesel Fuel only
 - c) No Alcohol Injection
 - d) One (1) Single Stage Turbo allowed:
 1. Must have two (2) 3/8" bolts crossed in exhaust pipe with air shutoff.
 - F) Fuels allowed
 - a) Gasoline
 - b) Diesel
 - c) Alcohol
 - d) Octane Boosters
 - e) Lead Additives
 - f) No Oxidizers (i.e. Nitrous Oxide)
 - g) No Pressurized Tanks
3. Tire tread pattern may be Bar or Turf type (no paddle tires).
Maximum size is 31 x 15.50 x 15
4. 1/16" Metal Shields must be provided over all belts, chains, and fans.
5. 1/8" Steel Shields or an approved Safety Blanket, must be provided
360 degrees around clutches (the shield must cover the area from the front of the bell housing a minimum of 4" to the rear) and around automatic transmission.
6. 1/8" metal shield must be provided on both sides of engine. Each shield must be as long as the block and must extend from the top of the oil pan to the under side of the cylinders.
7. Tractor must have fenders to protect the driver from the rear tires.
8. Tractor with automatic transmission shall be equipped with positive lockout to prevent accidental engagement of reverse gear.
9. The hook hole in the drawbar must be a minimum of 1-1/4" diameter. The material around the rear of the hole in the drawbar must be equal to a 3/8" chain link. (Must be able to hook from behind sled pan.)
10. Kill switch required; must kill ignition & fuel pump.