

POWERHOUSE PULLS

GARDEN TRACTOR AND ATV RULES

GARDEN TRACTOR GENERAL RULES

1. Judge's decisions will be final. Any disagreement will result in disqualification.
2. Contest is open to garden tractors with rubber tires. No four wheel drive allowed. No dual tires, tire studs, or chains permitted. Only naturally aspirated engines.
3. No portion of the tractor, including weights, may exceed 8' forward of the center of the rear axle (7' for Max Stock and Stock Altered), 6' in width or 6" outside the tire sidewalls.
4. All weights must be safely secured to the tractor. Any ballast or parts lost while hooked to the sled will be cause for disqualification. No weights behind rear tires.
5. All tractors **MUST** have wheelie bars to prevent turn over. A pair of these devices are to have minimum 5" diameter wheels, 1" wide or skid plates a minimum of 1"x4" each. Devices must be no less than 5" behind rear wheels and not more than 5" above the ground, allowing the front axle to rise no more than 24" from its normal position and be strong enough to support the weight of the tractor.
6. Drawbar will be stationary in all directions and a minimum of 1½" diameter hold for sled hook. No portion of the tractor may interfere with sled hookup.
7. All tractors must be equipped with workable brakes, a hood and grill, and safety shields in place.
8. Steel or bill aluminum flywheel and starter pulley (when used) are mandatory on any engine exceeding 4,000 RPM's at full throttle. Must be accessible for inspection.
9. Ungoverned engines must have head plates or straps. Minimum of ¼" x 2" steel or 3/8" x 3 aluminum.
10. Ungoverned engines must have flywheel and clutch components must be shielded 360° with 1/8" steel or 3/16" aluminum. Must be accessible for inspection.
11. Driver must remain seated during the pull and have complete control of tractor at all times with one hand on steering wheel and no fingers between tires and fenders, if flagman sees this it will be cause for disqualification. A safety secured normal seat must be used.

12. Helmets mandatory in all ungoverned and open classes.
13. Fuel specifications: gas, specific gravity not to exceed .750 alcohol .792 and clear.
14. All contestants must register, starting at 3:00 on the day of the event. Scales open at 3:00. Tractor may only be entered once in each weight class.
15. Any tractor may be spot weighed with driver and hitch height checked before leaving track area after being unhooked from the sled.
16. Each contestant must recognize that he/she may be held responsible for injuries or property damage caused by him/her or his/her tractor. Neither the committee nor the Powerhouse Pull board will be held responsible for any accidents or injuries occurring on the grounds.
17. No prizes will be awarded before the end of the event.
18. **Drivers have 3 minutes from the time the sled gets to the start line to hook to the sled before forfeiting their hook or drop to last.**
19. Driver may register no more than 2 machines per class.

LAWN STOCK – YOUTH ONLY

RULES:

1. This class is open to lawn and garden tractors, stock in appearance with standard factory engine or its equivalent replacement and drive train for the make and model tractor being entered. Mower lift and PTO clutch must be on the tractor. No modifications to chassis.
2. No engine modification other than maximum overbore of .030 inches from the stock bore of the engine
3. 23x10.50x12 tire size maximum. Turf tires only! **No tire cutting permitted.**
4. Drawbar height .10" maximum and 1½" diameter hole for hook.
5. Exhaust muffler required! No straight pipes.
6. No engine RPM's over 3,600. Will be checked.
7. Youth class ages 7-14 years old.

8. Gas, specific gravity not to exceed .750.

STOCK 0-16 HP

RULES:

1. This class is open to lawn and garden tractors, the engine does not have to match the frame and factory appearing drive train for the make and model tractor being entered. Mower lift, PTO clutch or related parts are not needed on the tractor. No modifications to chassis.
2. No engine modification other than maximum overbore of .030" from stock bore of engine. Governor must be installed and working. No engine RPM's over 4,000. Will be checked.
3. 23x10.50x12 tire size maximum. Turf or Ag tires. **No tire cutting permitted.**
4. Drawbar height 10" maximum and 1½" diameter hole for hook.
5. Exhaust may be straight pipes or muffled.
6. Tractors run in small tire class may not change to a bigger tire for the Big Tire class.
7. Gas, specific gravity not to exceed .750.

STOCK 0-20 TWINS

RULES:

1. This class is open to lawn and garden tractors, the engine does not have to match the frame and factory appearing drive train for the make and model tractor being entered. Mower lift, PTO clutch or related parts are not needed on the tractor. No modifications to chassis.
2. No engine modification other than maximum overbore of .030" from stock bore of engine. Governor must be installed and working. No engine RPM's over 4,000. Will be checked.
3. 24x12x12 tire size maximum. Turf or Ag tires. **No tire cutting permitted.**
4. Drawbar height 10" maximum and 1½" diameter hole for hook.
5. Exhaust may be straight pipes or muffled.
6. Tractors run in small tire class may not change to a bigger tire for the Big Tire class.
7. Gas, specific gravity not to exceed .750.

STOCK BIG TIRE 0-25 HP

RULES:

1. Stock appearing tractors with standard type 1 or 2 cylinder engine or equivalent replacement and stock appearing drive train for make and model.
2. No engine modifications other than maximum of .030" from stock bore of engine. Governor must be installed and working. No engine RPM's over 4,000 – will be checked.
3. 26x12x12 tire size maximum. Turf or Ag thread. NO PRO PULLER or TIRE CUTTING.
4. Drawbar height 13" maximum with 1.5" diameter hole for hook.
5. Wheelie bars...see general rules.
6. Exhaust may be straight pipe or muffled.

MODIFIED STOCK 0-16 HP

RULES:

1. This class is open to tractors stock in appearance, stock engine, factory OEM replacement engine, or stock appearing commercially produced engine. Crankshaft and camshaft must be in original position.
2. Engines must use stock stroke. Any bore, valves, cams, etc. are permitted. No welding or cutting to jugs. Air restricting venture in carburetor may not be larger than 1.200" diameter. Air controlled by butterfly, in the stock position. No air may enter after venture. Choke may be removed. Recast carburetors are permitted.
3. Ungoverned engines must use steel or billet aluminum flywheel. Ungoverned engines must have heat plates or straps. Minimum of 1/4"x2" steel or 3/8"x3" aluminum.
4. No carburetor to block spacers. Velocity stacks permitted.
5. Deadman throttle spring and kill switch are mandatory.
6. Starter pulleys must have sleeve, bolt, and washer on crank end.
7. Single cylinders must have a shield opposite from camshaft. The width of engine from frame to top of head, 1/8" steel or 3/16" aluminum minimum. Must be accessible for inspection.
8. 23x10.50x12 rear tires maximum. Tire cutting allowed

9. Gasoline specific gravity of .750 alcohol .792 and clear.
10. Drawbar height 10" maximum, 1½" diameter hole for hook, ½" thick.
11. Wheel base and axle placement must be in original stock location.

STOCK ALTERED

RULES:

1. This class is open to tractors stock in appearance. Single cylinder four cycle flathead engines only. Engines must be Kohler, Wisconsin, Tecumseh or Briggs. Engines must be factory productions or OEM replacements.
2. Maximum crankshaft stroke 3.25". Maximum bore 3.780". 36.5000 cubic inch limit. Maximum valve size 1.380". Maximum valve lift .330".
3. Carburetor must be Kohler-type. Air restricting venturi in carburetor may not be larger than 1.000". Air controlled by butterfly in stock position. No air entering after 1.000" restriction. No slides or injection. Carburetor must be mounted to the engine with no more than 1" spacer.
4. Deadman throttle spring and kill switch are mandatory.
5. Billet heads are permitted. Porting and polishing allowed.
6. No external welding or external modifications allowed. All thread through finned area is acceptable.
7. Welding permitted in crackcase area of the block for repair.
8. Gasoline with specific gravity of .750 maximum or alcohol .792 clear. No pressurized fuel tanks.
9. Drawbar height 13" maximum. 1.5" diameter hole for hook, ½" thick.
10. 26x12x12 maximum tire size.
11. Must run a factory appearing hood and grill. Foot pegs, platforms, and seats must be in stock location.
12. Tractors must have garden tractor rear-end and use stock garden tractor frames. Frames must maintain factory length with a maximum wheel base of 52" and a maximum tractor length of 7' from centerline of rear axle forward.

PRO STOCK

RULES:

1. Pro stock is defined as any tractor having one or two cylinders, air cooled, four cycle, flat head, commercially produced engine. Crankshaft and camshaft must be in original position.
2. Stock carburetor with 1.200" venture. No air may enter after 1.200" venture. Choke may be removed.
3. 26x12x12 maximum tire size, any type thread.
4. Exhaust must be discharged via vertical pipe.
5. Drawbar height maximum 13". 1.5" diameter hole for hook, 1/2" thick.
6. Gasoline with specific gravity of .750 or alcohol .792 clear.
7. Deadman throttle spring and kill switch are mandatory.
8. Single cylinders must have a shield opposite from camshaft, the width of engine from frame to top of head. 1/8" steel or 3/16" aluminum.

OPEN

RULES:

1. Open class is defined as any tractor/ATV having one to four cylinders, two or four cycle motorcycle or snowmobile engine only.
2. The 950 lbs. class has a 750cc limit, the 1,000 lbs. class has a 1200 cc limit and the 1,100 lbs. class is unlimited ccs.
3. Rim diameter 12", 26x12x12 tire size maximum. Any type tread.
4. Exhaust must have 45° vertical or horizontal to the rear.
5. Drawbar height 13" maximum. 1.5" diameter hole for hook 1/2" thick.
6. Gasoline or alcohol permitted.
7. Seat and fenders must be installed. Must have wheelie bars.
8. Deadman throttle spring and kill switch are mandatory.