

Allegheny Mini Tractor Pullers 2022 – 2024 RULES

WEIGHT CLASSES

The following weight classes will be pulled at all Club Pulls. If a tractor is required to reweigh after pulling an additional 10 lbs. over the weight class will be allowed for mud, scale drift, etc.

Division & Weight Class

OFF THE LAWN STOCK CLASS

Lite 1000lbs Heavy 1050 lbs

14 HP AND UNDER CLASS

Lite 900 lbs Heavy 1000lbs

.16 HP CLASS

Lite: 1050 lbs. Heavy: 1100 lbs.

.16 HP STOCK BIG TIRE CLASS

Lite 1050 lbs Heavy 1100 lbs

20 HP TWIN CLASS

Lite: 1100 lbs. Heavy: 1200 lbs.

COMBO CLASS

(45 cubic inch stock altered twin Lite 1050 lbs Heavy 1100 lbs)

(sport stock Lite 1100 lbs Heavy 1150 lbs)

(stock altered Lite 1150 lbs Heavy 1200 lbs)

4 CYLINDER CLASS

Lite: 1450 lbs. Heavy: 1550 lbs.

ALL DIESELS WILL COMPETE IN 1350 & 1450 4 CYLINDER CLASS

*** (All rules are subject to change for safety OR for the betterment of the club)

GENERAL RULES

- ☐ A full pull is when the front of the sled is over the Full Pull Line or the electronic measuring device shows a distance greater than the length of the track.

- ☐ Hitch must be solid mounted and in no case may be more than 13" high at the hitch point. Stock hitch may be modified to move up to the 13" limit. No portion of the hitch may extend behind the rear tires unless in the original, unmodified stock position.
- ☐ A hitch hole 1 ½ inches in diameter is highly recommended. If the hitch hole is smaller than this a clevis will be used to hitch to.
- ☐ Engine speed cannot exceed 4000 RPM. Tractors may be checked at the Track Judges request. An additional 100 RPM (4100 RPM total) will be allowed if the tractor is checked after it pulls. When a digital tachometer is used, if at any time (even momentarily) the RPM exceeds 4100 the tractor will be disqualified. This includes momentary governor surges, etc. The throttle will be operated by a club official.
- ☐ 10mm Head Studs in factory location, No Welding of the Block.
- ☐ OEM Ignition ONLY
- ☐ Engine must be stock appearing.
- ☐ Rollover protection bars or wheels are required.
- ☐ Weights are allowed a maximum of 6 inches behind the rear tires with a maximum distance of 7 feet from the center line of the rear axle to the front of any weights.
- ☐ Steel flywheels allowed.
- ☐ OEM down draft carbs.
- ☐ Stock crank
- ☐ Adjustable stock appearing rockers.

TWIN CYLINDER STOCK ALTERED RULES

- ☐ Engines: Must be a commercially available lawn and/or garden tractor engine.
- ☐ 25 HP Engine Allowed
- ☐ 44 Cubic Inch Max
- ☐ Cylinder Head: Must be stock head with no external welding. Epoxy is Okay. No valve restrictions. No inverting the heads STOCK APPEARING.
- ☐ No Limit on Cam Shaft
- ☐ OEM Crank Shaft

16 HP STOCK BIG TIRE CLASS RULE

16HP Flathead or over head

16Hp flat head max bore to 3.780

16Hp over head valve stock valves

Porting & polishing permitted

NO decking of block other then clean up

16Hp over head may be bore to 90mm or 3.55

Both classes stock cm No regrinde

Both classes stock length rods

Billet Rods ok must be stock length

Steel flywheel mandntory in flat heads

over head class and flat head must remove plantic fin on flywheel if stock

Both class stock must run stock valve size and length no after market valves allowed

No moving of valve or ports on both classes

Tire size no bigger then 26x12x12

Must run stock ignition

K series crab no modes

ALL SAFTY RULRS APPLY ALL SHEILDS MUST BE IN PLACE

Wheel base is 54 inches

No head strapes

if there is any gray area you think of dont do

hitch hole must be 1.5 round kill switch must work with I inch ring on it

Hitch hight 12inch

TWIN CYLINDER STOCK RULES

☐ Commercially built garden tractors only.

☐ Tractor must be stock appearing with hood and grill.

☐ Stock or replacement OEM 2 cylinder engines only. No aftermarket blocks allowed.

The block can be no larger than 25 horsepower bore .030 and stock stroke. No

auxiliary starters (such as non-tractor mounted). Stock-appearing OEM carburetors

only and no plated heads or head hold- down straps.

☐ Tire size not to exceed 26 X 12 X 12. Cut or special pulling tires allowed.

4 CYLINDER & DIESEL RULES

☐ Tractors may be hand-made, any frame permitted, any transmission and/or rear end allowed. No portion of tractor or weights may be more than 6 feet wide. The length from the center of the rear axle to the furthest point on the front cannot be more 8 feet for the Super Modified division.

☐ No weight is permitted behind the rear tires.

☐ All tractors limited to a total of 4 cylinders. Multiple engines allowed as long as total number of cylinders does not exceed 4.

☐ Tires:

Super Modified – no larger than 31 X 15.5 X 15 Cut tires allowed. No special pulling tires allowed larger than 26x12x12

☐ All engines must be a production motor. Natural aspirated engines only. No turbos or blowers

☐ Fuel Injection Allowed up to 2,000cc Only!

☐ Draw bar can be no higher than 13 inches from the ground to the hitch point of the tractor and no closer than 6 inches from the center of the rear axle or extend past the rear tires. Must be rigidly mounted in all directions. All hitches must have a minimum 1 ½ -inch hole in maximum 1-inch thick plate. The maximum distance from the hole to the rear of the hitch plate is 1 inch. Must have 3 inch clearance above and below to be hooked to the sled. No part of the tractor may obstruct the free hanging of the chain.

☐ Tractors must be equipped with an engine kill switch. The kill switch must be 6 inches minimum, 12 inches maximum, above the hitch point and within 6 inches of the centerline of the tractor.

☐ All flywheels, clutch assemblies, and all moving parts such as fans, belts, chains, universals, and drive lines, must be adequately shielded with a minimum 1/8 inch sheet metal, minimum 1/4 inch mine belting, or scatter shield material all the way around, except at the bottom, as to direct any broken part to the track beneath the tractor. Any engine exceeding 6000 RPM must have flywheel shielded with 3/16 sheet metal in addition to the bell housing or have a SFI rated bell housing. Remember, SAFETY FIRST!

OFF THE LAWN CLASS

All tractors must be stock

Tractors must have stock engine for tractors

All tractors must have rollover bars

Hitch height is 12 inch

3800 rpm

Tires size 23x10.5x12 can be bar tires or turf no cutting

adjustable hitch can be used but must be in stock place

NO weight put the rear tires weight can not be more than 6 inch from front of tractors

stock points must be used

14 HP AND UNDER CLASS RULES

☐ All engines in stock class must meet all factory specs !

- Working Governor

- Stock un-modified carb that came with engine

- Carb must have choke plate in it

- Stock timing-no aftermarket ignition

- Stock valves, valve springs, and piston for that engine model

- Stock head (NO ECAST HEADS)

- stock unbalanced crankshaft and crank bearings (no mini bearings)

- Must have stock fuel system

- No carb Spacer

- No aftermarket piston rods are allowed but must be stock length (no offset bearings or long rods)

- The engines can be bored .030 inches over, have the head shaved port and polished

- 12 inch hitch height

16 HP CLASS RULES

This class is for kids 15 years and under. The following rules are guidelines and may be modified by the club officers at any time to make sure the intent of the class is followed. This class does participate in the season point's series. Trophies will be provided for the top 3 winners. The standard hook fees will apply.

- ☐ Commercially built garden tractors only.
- ☐ Tractor must be stock appearing with hood and grill.
- ☐ Maximum Wheelbase 54 inches. Axles can be moved as long as its 54 inches.
- ☐ Single cylinder engines only, 16hp max.
- ☐ Single cylinder engines only. OEM Blocks ONLY. They may be bored up to 0.030in over stock for that particular engine.
- ☐ No external cam pins, must be stock!
- ☐ Tire size not to exceed 23 X 10.5 X 12, cut or uncut tire allowed.
- ☐ Cut tires are allowed however, no special design pulling tires may be used.
- ☐ Hitch must be solid mounted and in no case may be more than 12" high at the hitch point. Stock hitch may be modified to move up to the 12" limit. No portion of the hitch may extend behind the rear ti

- ☐ Clean up on top of block is Okay
- ☐ Down draft stock appearing carb.
- ☐ Stock plastic alum intake only.
- ☐ Steel fly wheel mandatory
- ☐ Spark Plug to remain in stock location
- ☐ Air cleaner or velocity stack is allowed
- ☐ KILL SWITCH REQUIRED
- ☐ Electric fuel pump is allowed
- ☐ Wheelbase: 56 inches max, front weight boom is 8ft from centerline of rear axle forward.
- ☐ Fuel: Gas
- ☐ No Welding of the Block
- ☐ Any ignition allowed.
- ☐ All other general club rules apply!

20 HP TWIN

- Stock bore
- Stock cam
- Stock stroke
- 26x12x12 tire
- 13 inch hitch

- ☐ Sides of engine must be shielded up to the bottom of the head with the same materials as stated above. The shields must be partially secured to the frame. For driver safety, inner fenders are required.
- ☐ All automatic transmissions are to be covered with a safety scatter blanket or materials stated above.
- ☐ All exhausts must exit vertically upward.
- ☐ All tractors must be equipped with working brakes sufficient to reasonably stop the tractor.
- ☐ All tractors must be equipped with a spring-loaded deadman throttle that works forward and returns back to idle.
- ☐ All fuel must go through the fuel tank. No nitrous oxide, etc.
- ☐ All Seats must have a back, which stands a minimum of 3" high above the seat surface. Driver's rear must stay in the seat.

DIESEL Specific Rules:

- ☐ Limited to a maximum of 3 cylinders,
- ☐ Block and head can be billet, but must be based upon an OEM produced lawn and garden or compact tractor engine.
- ☐ Diesel Fuel ONLY. No pressurized fuel tanks. NO Nitrous, Propane, or other additives.
- ☐ Turbocharging allowed on Diesels only
- ☐ Wheelbase 56 inches maximum.
- ☐ 26 x 12 x 12 tire size maximum (cut or pulling tires allowed)
- ☐ Tractors will compete in the 1250/1350 Modified/Super Modified class.
- ☐ NQS General Safety rules apply.

(These rules may be adjusted to maintain what is in the best interests of the class)