

## Rough and Tumble

### **Garden Tractor Pull Rules for 2023**

These rules are designed to provide for the orderly conduct of the garden tractor pulling event and to reduce the risk of injury to both participants and spectators. It is ultimately the obligation of each participant to ensure that their conduct and equipment comply with all applicable rules and regulations and to use common sense. No expressed or implied warranty of safety shall result from the compliance with these rules. They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to pullers or spectators. Neither Rough and Tumble nor the officials are liable for any death, injuries or loss that may occur before, during or after the event. Rules may be subject to change by event officials as deemed for safety, fairness or function of the pull.

#### General rules pertaining to all drivers

#1 No alcohol beverages or drugs allowed on the grounds whatsoever. If you are seen with anything that resembles it you'll be asked to leave the property, no if's and's or but's.

#2 All drivers under the age of 16 must have an adult responsible for them at all times and with them when the tractor is running or operating.

#3 No unsafe acts or un-sportsmanship conduct is permitted on the track or in the pits.

#4 Drivers must wear a shirt and closed shoes, shorts is allowed but it's your responsibility if you burn your legs. Rough and Tumble is not responsible.

#5 Drivers must watch flagman at all times. Tractor must stop upon signal from the flagman. Decision from the officials are final.

#6 Drivers must remain in the seat at all times and one hand on the steering wheel at all times. No hopping up and down on seat.

#7 Any driver wrapping fingers under the fenders will be disqualified as determined by any officials or track worker.

#8 Each tractor may be entered only once per class. The only exception is in the youth class where each tractor can be entered twice by two drivers. One tractor in the class unless you are the test puller, a tie or you stop before the 35' line. Your second attempt is the official distance. Test puller will repull in 6th or last place.

#9 If your tractor tires touch the white line or over the white line you will be disqualified.

#10 Event officials will have the final decision as to the class a tractor may compete or any safety item.

#11 The promoter(s) may do a safety or rules check at any time. Any failure to comply with these rules will result immediate disqualification. No tractor may pull in any future pull until it is inspected and is in compliance.

#12 All drivers must attend the driver's meeting before the pull and are responsible for the information presented.

#### Rules pertaining all tractors

#1 Contest is open to two wheel drive, rear wheel drive and rubber tired tractors.

#2 No portion of the tractor may interfere with the sled or chain during the pull.

#3 Rear fenders must be in place. Clutches, belts and drive shafts must be shielded.

#4 No tractor may exceed 6' in width or extend more than 7' in front of the rear axle.

#5 Weight may not exceed behind the rear of the rear tires, except for the hydro class. All weights must be securely fastened. Anything falling off on the track while hooked to the sled will be cause for disqualification.

#6 All tractors must have working brakes capable of safely stopping the machine.

#7 Driver's seat must be stock type or have a 3" high back and may not protrude beyond the rear wheels.

#8 Mower attachment must be removed or have the drive mechanism removed.

#9 Wheelie bars are mandatory on all tractors. 1,400 and 1,500lb tractors are exempt due to they're a much bigger and heavier then the lighter tractors. They must hold the weight of the tractor with you on it. Maximum of 5" above the ground and must be at least 5" behind the rear wheels. May have wheels or skid plates that are at least 1.5"x3".

#10 All tractors must have a working stock governor set at or below the maximum engine speed for the class at full throttle. Kill switches with a 1" diameter hole are require for the 1050lb classes. No rain caps are allowed.

#11 Gasoline or racing fuel only. No methanol or E 85 allowed. Specific gravity must be between 0.700-0.770 at 60 degrees. No fuel with strong, harmful or sickening fumes, this includes but not limited to VP-MR fuels and any other similar fuels.

#12 Tractors must have a stable hitch with a minimum 1.5 diameter hole and be 1/2" thick at point of hook for the 1050 classes. Clevis's are ok for the other weight classes.

#### Factory Stock Classes

Youth--900lb 16hp and under

Adult--16hp single: 1050lb

Adult--16hp twin: 1050lb

Note: The adult class will be divided into singles and twins unless there are less than 5 in either class.

#1 These classes are open to tractors, stock in appearance and stock stance. Frame and transmission must be for the make and model tractor being entered. You are allowed the change the engine to the

max of 16hp. It must be the same engine manufacture and same number of cylinders as originally equipped. Frame may be altered to fit the flywheel.

#2 May be 6 or 8 inch diameter front wheels with three rib tires permitted. Maximum rear tire size is 23x10.5x12" any type tread. No pro puller tires. No cutting permitted. No aftermarket wheels, steel only.

#3 Maximum 10" hitch height

#4 Stock stroke and .030" overbore maximum for engine used.

#5 OEM cam with OEM specifications only. Stock ignition only.

#6 No welding, grinding or polishing on cylinder head. No aftermarket heads.

#7 Stock OEM size valves and valve seats. No porting or polishing intake or exhaust ports.

#8 OEM cast flywheel only with no cutting, welding or adding weight.

#9 Gearing or pulley changes are allowed. Foot and handle throttle permitted. Max 3,600 RPM.

#10 OEM carburetor for engine used with no carburetor to engine spacers or velocity stacks. Must have stock air cleaner assembly for engine. Max venturi diameter of 1.00". No high-performance fuel pumps. Low volume universal electric pumps are allowed, if connected to the kill switch. Choke must be installed and working.

#11 Exhaust pipes with no muffler must be discharged vertically, 12" minimum from center of the bend.

Hydro Factory Stock Class 1,200lb 20hp and under

#1 Tractors with original frame, transmission (hydro only) and 1&2 cylinder type standard factory engine with no alterations.

#2 May be 6 or 8" front wheels with 3 rib tires permitted. Maximum rear tire size is 23x10.5x12 any type tread. No aftermarket wheels, steel only.

#3 Maximum hitch height is 10".

#4 Stock stroke and .030" overbore maximum for engine used.

#5 OEM cam with OEM specifications only. Stock ignition only.

#6 No welding, grinding or polishing on cylinder head. No aftermarket heads.

#7 Stock OEM size valves and valve seats. No porting or polishing intake or exhaust ports.

#8 OEM cast flywheel only, with no cutting, welding or adding weight.

#9 Foot or hand throttle permitted. Max 4,000 rpm.

#10 OEM carburetor for engine. Must have stock air cleaner assembly for engine. Max venturi diameter of 1.00". No high-performance fuel pumps, low volume universal electric pumps are allowed, if connected to kill switch. Choke must be installed and working.

#11 Exhaust pipes with no muffler must discharge vertically. 12" minimum from center of bend.

#12 Weights may extend a max of 12" behind the rear tires.

#### 16hp Stock 1050 Class

#1 Stock appearing tractors with standard type 1 cylinder engine or equivalent replacement and stock appearing drive train for make and model. No aftermarket blocks. Head strap and scatter shield allowed.

#2 23x10.5x12" max rear tire size. No cutting permitted. No pro puller tires. 6 or 8 inch diameter front tires. After market wheels and 3 rib tires permitted.

#3 Maximum 10" hitch height

#4 Stock stroke and .030 maximum overbore for engine used.

#5 Any camshaft allowed with maximum lift at valve of .325" at .010" lash. Porting is allowed.

#6 No welding, grinding or polishing on cylinder head. No after-market heads.

#7 OEM valve seats and valves for factory rated H.P. of the engine being used.

#8 OEM type carburetor for engine used. No carburetor spacers or velocity stacks. Maximum venturi diameter of 1.00". No high-performance fuel pumps. Low volume universal electric pumps are ok, if connected to the kill switch.

#9 Steel or OEM cast flywheel with no cutting, welding or adding weight.

#10 Foot or hand throttle permitted, max 4,000 rpm

#11 Exhaust pipes with no muffler must discharge vertically, 12" minimum from center of bend.

#12 Stock ignition system only. No aftermarket crank trigger, ignition systems.

#13 Must remain factory stance.

20hp (40 cu. in. Overhead valve/ 50 cu in. flathead max 4,000 rpm 1050lb

25hp (47 cu in. Overhead valve/ 60 cu. in. flathead max 4,000 rpm 1050lb

#1 Stock appearing tractors with small engine type 1 or 2 cylinder engine and stock appearing drive train for make and model.

#2 26x12.00x12 max rear tire size. No pro puller tires. No cutting permitted. 6 or 8 inch diameter front wheels. After market wheels and 3 rib tires permitted.

#3 Maximum 13" hitch height.

#4 Stock stroke and .030" maximum overbore for engine used.

#5 Any camshaft allowed with maximum lift at valve of .325" at .010" lash. No roller cams. No aftermarket heads. Porting is allowed.

#6 OEM valve seats and valves for factory rated HP of the engine model being used.

#7 OEM carburetor for engine used, no fuel injection with no carburetor adapters, spacers or velocity stacks. Maximum venturi diameter of 1.00". Two barrel carb (22mm or .866") allowed only in the 25hp class. No high performance fuel pumps. Low volume universal electric pumps are ok if hooked to the kill switch.

#8 Steel or OEM cast flywheel with no cutting, welding or adding weight.

#9 Foot or hand throttle permitted. Max 4,000rpm

#10 Exhaust pipes with no muffler must discharge vertically 12" minimum from center of bend.

#11 Must maintain factory stance.

Weight classes

800, 900, 1,200, 1,400 and 1,500

#1 Wheelie bars are mandatory except for 1,400 and 1,500lb classes as they are a much heavier tractor to where the front end never comes up.

#2 Maximum hitch height is 10".

#3 If you wish not to have wheelie bars and still come to the pull you're more than welcome. If your front end comes up just once your distance is final.

If you don't see the weight class in which you pulled before, doesn't mean you can't still come out and pull. We'll fit you in!!

Reunion Rules:

If you wish to pull to keep the uniformity of all participants, you must have your equipment set up and displayed all four days. This requirement has been enforced for the big tractors and has been for years. With how much this show has grown they can't have trucks and trailers parking on the grounds as every square inch is taken up with show pieces. During the show there is night time security. If you can't make it for the whole show partner up with someone who's going to be there.

In order to make it fair for others there's going to be a pre-registration in which you must get a display placard that's at the booth in the show area and come to the Garden Tractor Pull Pre Registration spot to get your placard stamped. It'll be open till Friday at 4:00pm. If you come Saturday morning to the pull and you don't have a stamp then you won't be able to compete.

Rough And Tumble Membership

In order to pull at any event at Rough and Tumble you must be a member. You can get a new membership or renew your membership at the Gift Shop at any of our events.