

# Garden Tractor Rules

## Tuesday, July 25, 2023 – 7:00pm

### Classes:

1. Youth – 900 lb. 12 HP and under
2. Youth – 900 lb. 16 HP and under
3. 1,050 lb. 16 HP & under
4. 1,050 lb. 14 HP Single 4000 RPM
5. 1,050 lb. 16 HP Single 4000 RPM
6. 1,050 lb. 20 HP Single 4000 RPM
7. 1,050 lb. 25 HP Single 4000 RPM
8. 1,050 lb. Max 14 HP Single 4000 RPM

### Premiums:

- 1<sup>st</sup>- \$30; 2<sup>nd</sup>- \$25; 3<sup>rd</sup>- \$20; 4<sup>th</sup>-\$15; 5<sup>th</sup> to 8<sup>th</sup>-\$10
- 1<sup>st</sup>- \$30; 2<sup>nd</sup>- \$25; 3<sup>rd</sup>- \$20; 4<sup>th</sup>-\$15; 5<sup>th</sup> to 8<sup>th</sup>-\$10
- 1<sup>st</sup>- \$30; 2<sup>nd</sup>- \$25; 3<sup>rd</sup>- \$20; 4<sup>th</sup>-\$15; 5<sup>th</sup> to 8<sup>th</sup>-\$10
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**ENTRY FEE: \$15.00** per person at Cornwall Road gate includes 1 hook; \$5.00 for each additional hook. Weekly pass or Weekly Track Pass are not good at Cornwall Road gate.

## LEBANON AREA FAIR GARDEN TRACTOR PULL RULES

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. The Lebanon Area Fair, The Lebanon Expo Center nor the pull 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 necessary for safety, fairness or function of the pull.

### GENERAL RULES PERTAINING TO ALL DRIVERS

- 1)** No alcoholic beverages or drugs allowed. Any person under the influence during a pull will not be allowed to pull at the event and maybe asked to leave the property.
- 2)** All drivers under 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 unsportsmanlike conduct is permitted on the track or in the pits.
- 4)** Drivers must wear a shirt, long pants and shoes.
- 5)** DRIVERS MUST WATCH THE FLAGMAN AT ALL TIMES. Tractor must stop upon signal from flagman. Decisions by event officials are final.

- 6) Drivers must remain in the seat with one hand on the steering wheel at all times during the pull.
- 7) Any driver that wraps their fingers under the fenders will be disqualified, as determined by any event official or track worker.
- 8) Each tractor may be entered only once per class. The only exception is in the youth classes where each tractor can be entered twice by two different drivers. One pull per tractor in each class unless you are the test puller, a tie is declared or you stop before the 35" line. The second attempt is the official distance. Test puller will repull in 6th or last place.
- 9) If the tractor's tires touch the boundary lines or outside them they 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 in immediate disqualification. No tractor may pull in any future pull until it is inspected and in compliance.
- 12) All drivers must attend the driver's meeting before the pull and are responsible for the information presented.

### **RULES PERTAINING TO 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 extend behind the rear of the rear tires, except the hydro classes. All weights must be securely fastened. Anything falling 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 a stock type or have a 3" high back and may not protrude beyond rear wheels.
- 8) Mower attachments must be removed or have the drive mechanism removed.
- 9) Wheelie bars are mandatory on all tractors. They must be able to hold the weight of the tractor. Maximum of 5" above the ground and must be a least 5" behind the rear tire. May have wheels or skid plates that are at least 1.5" x 3".

**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 inch diameter hole are required. No rain caps allowed.

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

**12)** All rotating counterweight on the PTO side of the engine must be securely fastened. A bolt and washer are encouraged.

**13)** All tractors must have a stable hitch with a minimum 1.5" diameter hole and be 1/2" thick at point of hook.

### **FACTORY STOCK CLASSES:**

**Youth -- 900 Lb. 12 HP and under - under age 14**

**Youth -- 900 Lb. 16HP and under - under age 14**

**Adult -- 1050 Lb. 16 HP – [Note: 20 hp for hydro transmissions] 1050 lb.**

**1)** This class is 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 to change the engine to a max of 16 hp, but it must be of the same engine manufacturer, and same number of cylinders as originally equipped, frame maybe altered to fit the flywheel. Head strap and scatter shield allowed.

**2)** May be 6 or 8 inch diameter front wheels with 3 rib tires permitted. Maximum rear tire size is 23 x10.50 x 12" 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 and pulley changes are allowed. Foot or hand throttle permitted. Stock governor at 3600 rpm max.

**10)** OEM carburetor for engine used with no carburetor to engine spacers or velocity stacks. A stock air cleaner assembly is required. Max venturi diameter of 1.00". No high performance fuel pumps, low volume universal electric pumps are OK, if connected to the kill switch. Choke must be installed and working.

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

### **14 & 16 HP Single 4000 RPM CLASSES 1050 Lb.**

**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)** 23 x 10.50x 12" max. rear tire size. No cutting permitted. No pro puller tires. 6 or 8 inch diameter front wheels. 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 aftermarket heads.

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

**8)** OEM type carburetor for engine used, No carburetor spacers or velocity slacks. 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. Stock governor at 4000 rpm Max.

**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 maintain factory stance.

### **20 & 25 HP 4000 RPM CLASSES 1050 Lbs.**

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

- 2) 26 x 12.00x 12" 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 H.P. of the engine model being used.
- 7) OEM carburetor for engine used, no fuel injection, with No carburetor spacers or velocity stacks. Maximum venturi diameter of 1.00". Two barrel carb [22mm or .866"] allowed only in the 25 hp class. No high performance fuel pumps, low volume universal electric pumps are OK, if connected to the kill switch.
- 8) Steel or OEM cast flywheel with no cutting, welding, or adding weight.
- 9) Foot or hand throttle permitted. Stock governor at 4000 rpm max.
- 10) Exhaust pipes, with no muffler, must discharge vertically, 12" minimum from center of bend.
- 11) Must maintain factory stance.

### **MAX 14 HP 4000 RPM CLASSES 1050 Lb.**

- 1) Must be stock block Kohler, Briggs or Tecumseh single cylinder, flat head engines 15 hp and under, with nine bolt heads. Stock governor with 4000 RPM max. Foot or hand throttle permitted.
- 2) The engine must look stock on the outside. Must have stock stroke for engine, all other internal modifications are acceptable. An access hole over the piston is recommended for checking purposes. Aftermarket points and electronic ignition allowed.
- 3) The head may be aftermarket or billet. Head bolts must match a stock OEM head gasket. A scatter shield covering the entire width and height of the engine and securely fastened on the OPPOSITE side of the cam side of 1/8" steel or 3/16" aluminum is required. A head restraint of 1/2" steel or 1" aluminum securely fastened is required.
- 4) Steel or OEM cast flywheel with no cutting, welding, or adding weight.
- 5) Carburetor must be stock carb for engine or a Kohler or Walbro, carb spacers, velocity stacks and bottom adjusts are acceptable. No high performance fuel pumps, low volume universal electric pumps are OK, if connected to the kill switch.

- 6)** Exhaust pipes, with no muffler, must discharge vertically, 12" minimum from center of bend.
- 7)** 26 x 12.00 x 12" max. rear tire size, permitted. Pro pulling tires and cutting allowed. After market wheels permitted.
- 8)** Maximum 13" hitch height.
- 9)** Must use a garden tractor frame and transaxle, but may be modified for engine installation. Sheet metal may be changed. No portion of any tractor may exceed 7 feet forward of the center of the rear wheel, including weights. 52" wheelbase maximum. Front axle may be altered.
- 10)** Engine tech items will be RPM with no tolerance, stock stroke, exterior appearance and fuel. If engine is other than K-Kohler you must supply tech person with a stock head gasket for your engine.