

## **Linn Lions Club Garden Tractor Rules**

1. Tractors can pull two times in a class with different drivers.
2. A hook fee will be charged per tractor per hook, i.e. Two hook fees apply if tractor is pulled twice in a class.
3. No refunds once the class starts pulling.
4. All tractors should be signed in and weighed a least 1 hour before pull starts. All tractors will be kept in the staging area unless pulling. A driver's meeting well be held 15-30 minutes before pull starts.
5. Pulling positions will be determined as drivers sign in and pay entry fee.
6. Anytime tractor is running in the staging area or on the track, the driver must be firmly seated.
7. Gear shifting is permitted as long as forward momentum does not stop.
8. "Out of bounds" is chalk on either front or rear tires or breaking the vertical plane of the out of bounds stripe. Any tractor out of bounds is disqualified from the pull attempt. There is no out of bounds on a full pull.
9. Any parts falling off tractor while hooked to the sled will be cause for disqualification for that pull attempt.
10. No nitro, nitrous oxide or pressurized fuel tanks or systems of any kind are not permitted in any class.
11. Any violation or failure to comply with these rules can result in immediate disqualification as determined by event officials.
12. All drivers must sign a liability waiver. Any driver under 16 must have a parent or legal guardian sign for them. Youth class is for youth age 7 up to and including 14 years old.
13. A parent or legal guardian must walk along side or have a kill switch as needed for young drivers.
14. All drivers are responsible for knowing the contents of the drivers meeting and the rules.
15. Driver must be seated at all times and may not sit on the backrest. Drivers may straddle the seat, but must remain in control with one hand on the steering wheel at all times.
16. Drivers must watch the flag person at all times.
17. Unsafe driver acts will not be permitted on the grounds or the track.
18. A pull is legal when the sled is pulled beyond the 30-foot mark. Each driver will be granted a second attempt if they fail on first attempt. If sled fails to cross the 30-foot mark on second attempt, the tractor will be disqualified for that class. There is only one attempt in a pull-off.
19. Each driver will have three minutes to get hooked to the sled after it returns to the starting line or be disqualified for that class. If tractor has a mechanical problem driver may drop to the last pulling position of that class.
20. All drivers pulling first in a class are responsible for informing the flag person if accepting or declining pull before leaving sled, i.e., Thumbs Up or Thumbs Down. If driver leaves sled without informing flag personnel, this will be interpreted as driver accepting pull. If driver declines pull, they will drop to the last pulling position of that class. Disqualified pull attempts do not have the option of declining the pull.
21. During pull, drivers must be able to safely handle the tractor as determined by event officials.
22. The flagman has complete control of the pull in progress and will hold digging to a minimum and has the right to stop a pull anytime they feel an unsafe act or condition exists.
23. The flagman will flag the driver when forward momentum has stopped. Forward momentum is defined as the sled wheels are not turning.
24. The flagman is responsible for informing the scoring officials if the first driver in each class

accepts or declines their pull.

25. The flagman is responsible for informing the driver if they did not go past the 30-foot mark and that the driver has one more attempt to complete the pull.
26. The flagman is responsible for informing driver if they are out of bounds.
27. The flagman must be at least 18 years of age.
28. The flagman has the final say on what happens on the track. All disagreements will be directed to event officials.
29. Sled operator has the right to stop a pull anytime he/she feels an unsafe act or condition exists.
30. Sled operator has the right to adjust sled after the first pull of a class. The class will be restarted if sled is adjusted. First puller will have an option to pull again first or drop to last.
31. The sled operator cannot be changed while a class is pulling without restarting the class.
32. The sled is a weight transfer type sled with a 36" pull chain.
33. The sled will be spotted at or near the start line for each pull.
34. Tractors may be pushed or driven back to the sled, but must be in neutral while sled chain is being hitched or unhitched to tractor. Driver must be seated if tractor is running at this time. All pulls must start with a tight hitch/chain.
35. The tractor will be weighed with driver and all safety equipment.
36. All tractor power must be transmitted through the rear wheels.
37. No portion of the tractor will interfere with hooking and unhooking of the sled chain.
38. A tractor cannot pull until it has been through a safety inspection. Changes cannot be made to tractor after it has been inspected except for moving tractor weights. If any changes are made to tractor, it will not be allowed to pull until re-inspected.
39. All tires must be of rubber type. Dual tires, tire studs, tire chains or paddle tires and cut tires are not permitted unless stated in the class rules below.
40. All tractors will have fenders covering at least 1/4 the width of the tire.
41. Foot and hand throttles must return to the idle position (dead-man type) when released. Wires, ropes, chains, strings or tarp straps on hand throttles are not allowed. Dead-man throttles are allowed (encouraged) on stock tractors.
42. All tractors, except stock class, should have a kill switch designed with easy hookup. The switch will have at least a 1-1/2" solid ring and will be a 13" hitch height (unless noted in the class) and within 4" of center of hitch. This switch must kill all power to the engine, fuel system if electric and all electrical components.
43. All tractors may have two anti-tip-over devices with bumper bars that must support the weight of the tractor and driver. They may be constructed with wheels or skip pads. Wheels will be at least 4" in diameter and 1" wide with no plastic centers. Skid plates will be at least 2" wide and 3" long and be constructed of at least 1/8" steel.
44. Bumper bars will be a minimum of 6" in vertical height. Nothing shall extend behind the bumper bars vertical plane, i.e., skid pad or wheelie wheel.
45. The bumper bars must not extend more than 10" behind the rear tire's vertical plane. The center of wheel or skid pad must be a minimum of 5" behind the rear tire's vertical plane. Top of vertical bumper bar must be braced horizontally forward to a stabilizer bar or the frame.
46. If a cross member is installed between tip-over bars, it must not interfere with the sled chain.
47. All tractors should have a fire extinguisher of at least 1 1/2 pound dry chemical or equivalent within easy reach of the driver.
48. All seats will be secure and may not extend beyond the rear tire vertical plane. The seat must have a backrest that stands a minimum of 3" above the seat surface.
49. All tractors will have functional steering and brakes.
50. All exposed drive shafts, belts, clutches and chains (i.e., starter/generators, attachment

pulleys) will be shielded 360° with a minimum of 1/8" steel or 1/4" aluminum unless class rules state differently. Stock classes may have all stock safety shields.

51. All tractors will have vertical upright exhaust pipe(s) a minimum of 12" and plus or minus 10° from vertical. The only exception is for a muffler, which may be used in place of vertical exhaust pipes.
52. All tractors must have a hood and grill.
53. The hitch must be rigid in all directions. A vertically mounted hitch is allowed. Hitch height will be defined as the center of the hole for vertical or top of hitch plate for horizontal hitches.
54. The hitch must extend at least 6" from the center of the axle. The hole will not be any smaller than 1-1/2" and not more than 2-1/4" in diameter and will have at least 1/2" of material all the way around it and will be at minimum 3/8" thick. Not axle hitching is permitted.
55. The rear most part of hitch must not extend beyond vertical plane of rear tire.
56. All fuel tanks will have a shut off valve. Only stock tractors may have tank mounted on engine.
57. All engines, except stock, will have shields on right or starter side of the block a minimum of 1/8" steel or .090 (3/32)" aluminum. Shields will cover the block to the bottom of the cylinder head mounted no more than 4" away from the block. They will not be bolted to the block at any point and will be supported on the top and bottom. Heads will be strapped with hold downs secured to tractor, not block.
58. All fuel lines must be routed away from hot engine components.
59. All weights must be secured to the tractor. Any weights or ballast falling off tractor while hooked to the sled will be cause for disqualification for that pull attempt.
60. Weights or weight holding devices cannot extend beyond the rear tires vertical plane.
61. Wheel weights cannot have any threaded rods protruding from the weights.
62. Only drivers in the class may protest, parent or guardian in youth class.
63. All protests must be made while the class is pulling, not after the puller left.
64. An event official will inform tractor owner/driver of protest and tractor will be placed in a designated area for inspection and/or tear down after the event is over.
65. Event officials and owner/driver will be the only people allowed during inspection and/or tear down. The owner/driver may designate a person to do tear down.

## **CLASS BREAK DOWN**

### **YOUTH CLASS**

- a. Weight is 900 lbs.
- b. Hitch height is 10".
- c. Max tire size is 23 x 10.5 x 12. **NO CUT TIRES ARE PERMITTED!**
- d. Tractors will be stock, up to 12 HP tractors and must conform to stock tractor rules.
- e. Parent or another adult must walk with the youth so they can make a safe shut down if needed.

### **STOCK 10, 12, 14, 16 HP CLASS**

- a. Weight is 1050 lbs. with driver and all safety equipment.
- b. Hitch height is 10".
- c. Max tire size is 23x10.5x12. **NO CUT TIRES ARE PERMITTED!**
- d. Must have all OEM parts, no aftermarket or performance parts. Double stock air filters allowed. Aftermarket filters not allowed.
- e. Engine shall be naturally aspirated.
- f. Fuel pump fuel only (no nitrous oxide or alcohol mixing).
- g. Carburetor should be stock, Ventura no larger than Kohler #30. No extensions, no velocity stacks, and No FLOWING ALLOWED.

- h. Max bore is to be .030" over stock including wear.
- i. Stock stroke with .020" wear
- j. Stock frame, may be widened to accommodate big flywheel, but cannot be lengthened and aftermarket sheet metal is allowed.
- k. Rear weights or brackets shall not exceed 8" from rear of back tires.
- l. Front weights or brackets shall not to exceed 12" from grill.
- m. The governor may be unhooked.
- n. All safety requirements and shields mandatory
- o. Exhausts may be straight pipe or stock, clutch and drive line altered to prevent breakage.

### **SUPER STOCK CLASS**

- a. Weight is 1050 lbs.
- b. 16 hp, 60 over bore engines aftermarket blocks allowed
- c. Maximum bore 3.830, Maximum Stroke is 3.250, Maximum cubic inches 37.5"
- d. Methanol Fuel, no nitrous or mixing. Fuel injection or blowers are not permitted.
- e. Open valve size, billet heads, port welding allowed, but no bore welding.
- f. Stock appearing Kohler type carburetor must be used.
- g. Standoff pipe or ram tubes are permitted.
- h. Single carburetor used.
- i. Venture must be in stock position, and no larger than 1.200" naturally aspirated only.
- j. Max tire size 26x12x12 cut tires allowed.
- k. Steel or billet flywheel with minimum 1/8" steel or 1/4" billet 360° mandatory.

### **STOCK ALTERED CLASS**

- a. Weight is 1050 lb. with driver and all safety equipment.
- b. Max tire size is 26 x 12 x 12. CUT TIRES ALLOWED!
- c. Tractor width shall not exceed 60 inches. Maximum tractor length is 96" as measured from center of rear axle to farthest most forward part.
- d. Engine shall be naturally aspirated.
- e. Fuel is gasoline or alcohol only, (no nitrous oxide or mixing). Fuel injection or blowers not allowed.
- f. Carburetor: Stock appearing with max of 1.20" Ventura, 1"-inch extensions only, velocity stacks and porting and polishing allowed.
- g. Bore: Maximum .040" over including wear.
- h. Stroke: Stock with .020" wear.
- i. Stock appearing heads, but may be modified.
- j. Engine RPM may be modified. Over 4000 RPM requires steel or billet flywheel with minimum 1/8" steel or 1/4" aluminum 360° shield.
- k. Dead-man throttle or accelerator mandatory.
- l. All safety requirements and shields mandatory!

### **MODIFIED CLASS**

- a. Max engine displacement: 50.5 cubic inches, single or twin cylinder, naturally aspirated.
- b. Weight is 1050 lbs. with driver and all safety equipment.
- c. **Max** tire size 26 x 12 x 12. CUT TIRES ALLOWED!
- d. Steel or billet flywheel with minimum 1/8" steel or 1/4" billet 360° should have a shield.
- e. Fuel: Gas or alcohol only (no nitrous oxide or mixing).
- f. All other engine modifications allowed.
- g. Transmission and rear-end shall be lawn and garden tractor type.
- h. Transmission gear ratio changes allowed.
- i. Frame modifications allowed.

- j. Tractor width shall not exceed 60 inches. Maximum tractor length is 96" as measured from center of rear axle to farthest most forward part of weight extension.
- k. All safety requirements and shields mandatory.

### **PRO-GARDEN CLASS**

- a. Weight is 1050 lbs. with driver and all safety equipment.
- b. Max tire size: 26 x 12 x 12. CUT TIRES ALLOWED!
- c. Tractor width shall not exceed 60 inches. Maximum tractor length is 96" as measured from center of rear axle to farthest most forward part of weight extension.
- d. Engine shall be naturally aspirated.
- e. Fuel: Gasoline only (no nitrous oxide or alcohol or mixing).
- f. Carburetor: Stock, OEM type, max 30mm or 1" Ventura with 1" extensions only and velocity stacks allowed. POLISHING AND PORTING NOT ALLOWED!
- g. Bore: Maximum .030" over stock including wear.
- h. Stroke: Stock with .020" wear.
- i. Stock appearing heads, but may be modified.
- j. All other modifications allowed.
- k. Engine RPM may be modified. Steel fly wheel required with minimum 1/8" steel or 1/4" billet 360° shield if engine will exceed 4000 RPM.
- l. All safety requirements and shields mandatory!

### **30 CC / OUTLAW CLASS**

- a. 30 Cube weight is 950 lbs. with driver and all safety equipment.
- b. 16 Stock altered weight 1000 lbs. with driver and all safety equipment.
- c. Max tire size: 26 x 12 x 12. CUT TIRES ALLOWED!
- d. Tractor width shall not exceed 60 inches. Maximum tractor length is 96" as measured from center of rear axle to farthest most forward part of weight extension.
- e. Engine: Single or twin cylinder, naturally aspirated.
- f. Fuel: Gasoline only (no nitrous oxide or alcohol or mixing).

### **Diesel Class – V Twin – 1150 LBS**

- a. 30 Cube weight is 950 lbs. with driver and all safety equipment.
- b. 16 Stock altered weight 1000 lbs. with driver and all safety equipment.
- c. Max tire size: 26 x 12 x 12. CUT TIRES ALLOWED!
- d. Stock frames, stock appearance, tractor width shall not exceed 60 inches. Maximum tractor length is 96" as measured from center of rear axle to farthest most forward part of weight extension.
- e. Engine, single or twin cylinder, no more than 3 cylinders, single turbo charger is permitted.
- f. Fuel is diesel fuel only, no propane, (no nitrous oxide or alcohol or mixing).