

# Garden Tractor Pulling Rules 2017 / 2018

## Garden Tractor Class

A - Stock Junior Class 5 to 11 years old Max 14HP

A - Stock Single Cylinder Class 14HP Max

B - Stock Single and Twin Cylinder Class 19.5HP Max

C – Stock Twin Cylinder Class 25HP Max

D -Stock Diesel Class 25HP Max

E – Class Modified Gas 25HP Max

F –Class Modified Diesel

Note: If you have a tractor that does not fit the current class ask the committee for possible accommodations

## General Rules

1. No consumption of alcoholic beverages prior to or during an event
2. All Drivers need to be present 1 hour before the start of the pull (see scheduled for start times on the web).
3. Pullers must be weighed, inspected and signed in before pulling start time
4. Registration of tractors will close at the beginning of drivers meeting. All drivers must attend drivers meeting in order to pull at the event. Drivers meeting to be held 15 minutes before starting time of the event.
5. 3600 RPM + 20 RPM maximum Except (E) class
6. **2.5 MILE AN HOUR MAX Speed Limit will apply if a adult driver assistant is needed. If an adult driver assistant is needed they must inform the sled operator before the tractor is hooked to the sled. (An adult driver assistant is an adult that accompanies the puller on the track and stays along side of the tractor while they proceed down the track pulling the sled. The adult driver assistant will be allowed to assist the puller to operate the tractor). (New 2017)**
7. **8 MILE AN HOUR MAX Speed Limit Except (E) and (F) class (New 2017)**
8. **Any tractor tire who touches the foul line will be disqualified (New 2017.)**
9. **Rules subject to change due to safety concerns by Pull Committee (New 2017)**
10. NO late entries once a class starts / pulls begin
11. Entry fee \$10.00 per tractor additional rounds at additional fees
12. All tractors will be assigns a number which must be displayed on both sides of the hood min of 2” in size at owner’s expense.
13. All tractors will be inspected by NEATTA Tech committee

## General Rules Continued:

14. No one is allowed on the Pulling Track during a Pull, except the tractor operator and NEATTA personnel as designated to operate the track and sled
15. One person per tractor, per class
16. Dot Helmets must be worn
17. All operators must belong to NEATTA
18. Any Unsportsmanlike conduct will result in a disqualification.
19. Minimum operator age is 5 years old Junior stock Any driver under the age of 18 must have a guardian sign a waver form available at signup booth
20. All youth first time pullers 16 and under must complete the NEATTA driver training certification.
21. One hand must be on the steering wheel at all times
22. NO bouncing on the seat
23. When hooking to the sled, all tractors are to be put in neutral. Display this by holding both hands in the air so that the hook-up person knows it is safe to approach the tractor
24. The tractor is to start the pull with a tight chain, no jerking
25. Absolutely no passengers
26. Track length will be 100 ft. The pulling committee may lengthen the track and allow to (pulling for distance) at any time.
27. The Flag person has final say
28. Minimum of a three person technical committee members to rule on a controversy
29. All tractors will be inspected by technical committee the tech decals will be placed on rear of tractor or back of seat in plain view
30. The Pull and Technical Committee, at their discretion may call for a 2nd weigh out and tack RPM test for all tractors in the division in any class. Failure to do so will result in DQ for the day.
31. In the event of a protest by a puller in any given class, if the protestor requests a teardown of a tractor within his/her class, (protestor must be competing in the same class as the tractor in question) the protestor will be required to file a protest form with the Technical Committee. The protestor requesting the teardown will also be required to escrow \$100.00 per cylinder per tractor with the Pull Committee at time of the filing. At the completion of the teardown, if the tractor in question is found to be illegal, the money in escrow will be returned to the protestor. The illegal tractor will have to change back to stock and be required to be inspected by three Technical Committee members or compete in the E class. If the tractor is found legal the money will be turned over to the tractor owner for the compensation of the teardown.

## General Rules Continued:

32. Chevy points allowed and no after market Ignition controls Except ( E ) class
33. Tractors must remain in the pulling ring until the pull results are declared "official" by the Pull committee. Leaving the pulling ring will be a DQ.
34. 2 tries on 1st pull if shut down before 15 FT except for pull-offs
35. All tractors will have stock wheel base
36. Dead man switch required on rear of tractor and will be checked and tagged by the Tech Committee Except (D & F) class
37. Pumped Gasoline type fuels only No nitrous, nitro, methane, or alcohol fuels will be allowed.
38. Mufflers must be on all tractors, must be vertical or horizontal
39. If the muffler/exhaust is modified in any fashion it must have a vertical (upward) discharge.
40. All engines must have factory stock starter, flywheel, carburetor, and sheet metal. Spacer between carburetor and block shall be no more than ½ inch thick, unless documentation is provided. Except (E & F) class
41. Stock engine Compression as per engine spec's Except (E & F) class
42. 4-wheel drive tractors are allowed if the front axle is disengaged
43. Front Weights cannot extend any more than 75" from the center of the rear axle of the tractor
44. Weights cannot extend any more than 6" beyond the sides of the rear tires Weights must be secured
45. 23x10.50x12 is max rear tire size turf, or chevron age style only no ATV,
46. no lawn Tec no cut tires Except (E & F) class
47. 13" hitch height rigid in all directions no clevises and clearance on all sides of hitch for hook access of sled hook must fully engage in tractor hitch with no restriction
48. Wheelie bars must be on all tractors, 5" off the ground and extended 4" behind the tires
49. No posi traction or locked rear ends unless factory installed Except(E & F)Class
50. All pulleys, belts, chains and drivelines must be covered per tech inspection.
51. Rules and Schedule subject to change as deemed necessary, by Pull Committee
52. Any person under the age of sixteen shall not be allowed in any critical pinch points of machinery, rigging or hoisting of weights..... I.E. but not limited to hitching, unhitching, hoisting weights onto sleds or machinery. Any other safety concerns shall be addressed by the safety officer.

## **A-Stock Junior Class 5 to 11 years old**

1. Max 14h.p 1050 lbs. max weight include driver and helmet
2. Only can pull in Junior class
3. A parent or spotter may accompany the child and be on the side where the kill switch is located and holding a 6 ft cable to shut down the tractor whenever the tractor is moving, both on and off the track.
4. Once the tractor has started pulling, the steering wheel, throttle, clutch or gearing cannot be changed by the parent or spotter.
5. All General rules apply

## **A-Stock Single Cylinder Class**

1. Max 14h.p Stock gasoline Single Cylinder only
2. 1150 lbs. max weight include driver and helmet
3. No Jumping classes
4. All General rules apply

## **B-Stock Single and Twin Cylinder Class**

1. 14HP to Max 19.5HP Stock gasoline Single and Twin **Cylinder**
2. 1150 lbs max weight include driver and helmet
3. No Jumping classes
4. All General rules apply

## **C-Stock Twin Cylinder Class**

1. 20HP to Max 25HP. Twin cylinder stock gasoline engines
2. 1150 lbs. max weight include driver and helmet
3. No Jumping classes
4. All General rules apply

## **D-Stock Diesel Class**

1. Max 1000cc (25HP). stock Diesel engines air or liquid cooled
2. Multi-cylinder engine
3. 1200 lbs. max weight include driver and helmet
4. No Turbo, Natural Aspirated, No injectables into motor
5. All clutches and pulleys must be shielded
6. All factor serial numbers must be on engine block
7. Guillotine Air Gate shut off kill switch on intake of motor. Will be checked and tagged by the Tech Committee
8. No Jumping classes
9. All General rules apply to D stock class other than noted exceptions
10. Rules subject to change due to safety concerns by Pull Committee

## **E- Class Modified Gas**

1. Max 25HP Single and Multi-cylinder engine
2. 1150 lbs. max weight include driver and helmet
3. Engine can have Modifications; Engine blocks must be stock OEM (no after market blocks).
4. Gasoline type fuels No NITROUS, NITRO METHANE, or ALCOHOL fuels will be allowed.
5. Maximum tire size 26x12x12, pulling type cutting allowed
6. Mufflers must be on all tractors, must be vertical or horizontal
7. 4000 RPM + 20 RPM maximum
8. 8 Miles hour to 10 Miles hour Max speed limit to be determined by the Pulling committee after sled modifications are tested for safety and track conditions are evaluated (New for 2017)
9. Weights cannot extend any more than 6" beyond the sides of the rear tires Weights have to be secured
10. Dead man switch required on rear of tractor and will be checked and tagged by the Tech Committee
11. 13" hitch height rigid in all directions no clevises and clearance on all sides of hitch for hook access of sled hook must fully engage in tractor hitch with no restriction
12. Wheelie bars must be on all tractors, 5" off the ground and extended 4" behind the tires
13. All Safety rules apply
14. Rules subject to change due to safety concerns by Pull Committee

## F – Class Modified Diesel

1. Engine must be commercially produced with at least 1000 units built. Engines may be no more than 3 cylinders. May be liquid or air cooled. Engine block must have factory casting model and serial numbers visible and not ground off. Ag or `cylinders allowed.
2. Engine will be no more than 75 cubic inches. This is based on the factory casting numbers. No sleeving down or de-stroking larger engines.
3. Water injection will be allowed. Must be plain water only. Combustible agents (alcohol, oxygenators ) are NOT allowed in water injection. Soluble oil lube additives are permitted.
4. Engine modifications are permitted = Rods, pistons, cam, fuel system.
5. Engine must have OEM intake and exhaust manifolds, polishing is permitted. No tube headers or custom intakes.
6. Head work is permitted on stock OEM heads. No billet heads. No overhead cams.
7. Injector and injector pump modifications are allowed. No billet injector pumps.
8. Must be “Cam box” or “PFR” injector pump. No electronic or common rail injection systems.
9. Turbo charging is permitted, but limited to a single turbo only. Turbo will be fitted with a shut down guillotine on the compressor inlet side of the turbo. Exhaust “L” of turbo must have minimum of 5/16 cross in elbow with the exhaust to discharge vertically.
10. Electric fuel supply pump is permitted with positive power wire to have shut off disconnect at rear of tractor.
11. No propane, nitrous injection or any type of secondary fuel system of any kind will be permitted.
12. All tractors must be compression ignition and use Diesel fuel only. No spark plugs or alcohol as a fuel.
13. Stock frames, stock appearing frame rails, and tube frames are permitted. Tube frames must be covered with sheet metal.
14. This class is for stock appearing tractors with full hood, grill, and side shields. Must be recognizable as an actual modern production garden tractor or small farm tractor. Hood and grill can be from a different make than frame/rear end. Has to look like a tractor.
15. Must use garden tractor drive line components, modifications are allowed. Internal gears, front reduction housing and planetaries are allowed. No cut down automotive rear ends.
16. Full metal side shields to cover engine area minimum 16 gauge steel or 14 gauge aluminum.
17. Must run 5/16” cable around oil pan over top of valve cover in a complete circle connected with (2) cable clamps

## F – Class Modified Diesel Continued:

18. 1250 lb. weight class (New for 2017)
19. Kill switch device mounted on rear of tractor must disconnect power to electric fuel pump.
20. Intercoolers and ice boxes are not permitted
21. All general rules apply unless stated.
22. Max 3600 R.P.M.
23. Max tire size 26-12-12 allowed. Pulling tires and cut tires allowed
24. Must have air guillotine shut off on intake with easy access to operator or tech crew.
25. Custom intake and exhaust manifolds are allowed on naturally aspirated engines.
26. 8 Miles hour to 10 Miles hour Max speed limit to be determined by the Pulling committee after sled modifications are tested for safety and track conditions are evaluated (New for 2017)
27. Max 8 m.p.h. limit.
28. Wheelbase to not exceed 56” and tractor length may not exceed 75” from center of rear wheel to the furthest point forward.
29. Rules subject to change due to safety concerns by Pull Committee