



# Garden Tractor Sport Stock

## 1050 lbs – 1150 lbs

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### DRIVER ELIGIBILITY

1. General Rules apply.
2. Youth ages 16 and older may pull sport stock classes with written parental consent.
3. Helmet, full-length pants, and closed-toe shoes REQUIRED.
4. A tractor may be entered only once per class.
5. A sport stock tractor competing in the sport stock class cannot move up a class in the same event.

### Chassis

1. Transaxle housing and chassis must be OEM available in a commercially produced garden tractor.
2. No aftermarket multi-range gearbox.
3. The engine must be OEM available for lawn and garden. No automotive, motorcycle, ATV, marine, snowmobile, etc., type engines allowed.
4. The tractor must have stock appearing hood and grill (nose piece). Switching to another factory sheet metal is permissible.
5. Maximum wheelbase is 52 inches.
6. Maximum distance from the center of the rear axle to the farthest point forward is 96 inches.
7. No additional power source is attached to the drive line.
8. Flywheel and clutch must be shielded with stock shields or 1/8-inch steel or 3/16-inch aluminum 360 degrees.
9. Single-cylinder tractors not running stock side panels need to be shielded with 1/8-inch steel or 3/16-inch aluminum plate opposite cam side height and width of block. This plate would need to be mounted with two bolts to the frame and at least one bolt to the head.
10. Wheelie bars must be rigid in all directions and able to support the tractor and driver in the heaviest class. Each skid shoe must be a minimum of 1.5" x 2" or the use of 5" wheels 1" wide is allowed. The tractor must have 2 skid shoes or 2 wheels. The wheelie bars must be a minimum of 5" from the rear part of the tire and a maximum of 10". The bars must be a maximum of 5" from ground to bottom of skid shoes or wheels. A vertical bumper bar 6" in height in rearmost position



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is required. Weights on the back of the tractor must be contained up to 1" before the end of the wheelie bars. (Refer to the diagram in the back of the book)

11. Maximum hitch height is 14". Must provide own clevis or straight flat plate with 1 ½" hole with a dead man zone of 3" on each side of the hitch. The hitch must be rigid in all directions. The kill switch must be centered approximately 10"-12" above the hitch in this area. (Refer to the diagram in the back of the book)
12. ALL TRACTORS MUST HAVE a minimum of 2 lb. fully charged fire extinguisher on board within reach of the operator. A functional gauge on the fire extinguisher is REQUIRED.
13. ALL TRACTORS MUST HAVE rear fenders extending a minimum of 4 inches out over the tires. OEM fenders are acceptable. It is recommended that the foot well and rear fender be attached to avoid the possibility of the operator's foot being pulled through to come in contact with the tire.
14. ALL TRACTORS MUST HAVE at least a 3-inch seat back.

### Engines

1.
  - a. One or two cylinders, flat head or overhead valve, naturally aspirated, carbureted, cast block, four-cycle gasoline engines.
  - b. Naturally aspirated Diesel engines up to 42 cubic inches and up to 3- cylinders allowed.
2. Engine blocks must remain stock appearing on the exterior.
3. Stock intake manifolds must be used on all engines.
4. In all engines the following engine components must remain in their original position: a. Crankshaft b. Camshaft c. Valves d. Rocker arms.
5. Stock valve diameter must be maintained for all engines.
6. Stock crankshaft stroke must be maintained for all v-twin engines.
7. Engine RPMs must be controlled by a mechanical governor. Maximum limit: 4500 RPM for Gasoline engines and 4000 RPM for Diesel engines.
8. ALL TRACTORS MUST HAVE a functional breakaway kill switch to cut ignition and fuel pump. Diesel engines MUST HAVE air shut off to cut the engine, as well as electronic fuel pump disconnect. (Refer to the diagram in the back of the book)



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9. All Tractors must have a “dead man” throttle. The throttle must return to the idle or closed position when the pedal or lever is released.
10. Exhaust must discharge within 10 degrees of vertical.
11. All flat-head engines must have head plates or straps. Minimum of ¼ inch x 2-inch steel or ¾ inch x 3-inch aluminum.

### **Gasoline Powered Tractors**

1. Overhead Valve engines have a maximum of 38.8 cubic inches. No aftermarket cylinder heads for overhead valve engines.
2. Flathead engines have a maximum total engine displacement of 45 cubic inches. Opposed flathead engines have a maximum total engine displacement of 50.5 cubic inches.
3. Carburetor airflow must be controlled by a throttle shaft actuated butterfly. The carburetor must be stock-appearing, lawn/garden type.
4. Intake tract must pass through a maximum 1.2-inch diameter round restricted area or equivalent. Explanation: a. One-barrel carburetors may be a maximum 1.2-inch diameter. OR b. Two-barrel carburetors may be a maximum of .866 inch diameter per barrel. AND c. No air may enter the intake tract downstream of the 1.2-inch (or equivalent) restriction.
5. No electronic rev limiters
6. Gasoline only.



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### **Diesel Powered Tractors:**

1. Engine blocks must be marked with the engine model number. A valve cover tag with engine displacement must be in place for engine identification.
2. Diesel fuel only.
3. No other injection will be allowed. (water, propane, alcohol, etc.)
4. Stock manifolds only.
5. No ice boxes or intercoolers.

### **Tires and Wheels**

1. Maximum tire size: 26 x 12.00 x 12.