

# LAWN MOWER PULLING RULES

MID CO. ANTIQUE POWER CLUB



## LAWNMOWER PULLING

Rules may be subject to change

Revised 3-20-2024

Mid County Antique Power Club

Lawnmower Pulling Rules

General Rules

1. The track official has the final say.
2. All mowers will have a hood, shielding of drive components, and floorboards or pegs for the driver to put their feet. Additional weights must be carried in a way that they cannot fall off during the pull. Loose parts or weights falling from the mower will result in disqualification. Duct tape, bungee cords or anything of that nature used to secure parts to the mower will not be allowed, lets at least try to look like professionals.
3. Mowers must have brakes, the only exception will be mowers that are hydrostatic driven.
4. Drivers will be required to wear long pants, closed toe shoes, eye and hearing protection and a DOT approved helmet.
5. A bolt-on combination wheelie bar/hitch will be provided and is required to pull unless the mower has its own custom wheelie bar and hitch. Hitch heights will not exceed eight (8) inches for factory stock, thirteen (13) inches for all other classes. Hitches must have a 1 ¼ hole to accommodate the hook and must extend a minimum of six (6) inches from the center of the rear wheels. Custom hitches must be approved by track officials prior to pulling. Wheelie bars must be able to support the weight of the tractor.
6. Power must be transmitted through the rear wheels only. Four wheel drives will be allowed to pull but with the rear wheels only.
7. Engines must be garden/lawn tractor type. Engines must be naturally aspirated, no turbochargers, blowers, or superchargers will be allowed. Engines must be gasoline fueled by a carburetor only. No alcohol, nitrous oxide, or other form of oxidizer will be allowed.
8. All vehicles must have wide front axles. The front wheels must track within the outer width of the rear tires.
9. Vehicles must have a tether switch that will stop the engine in the case of an emergency.
10. Rear engine mowers will be allowed.
11. Maximum tire size will be 26x12x12. No studs, chains, wires, dual wheels, or radials will be allowed. Tires must be of a garden/lawn tractor type, no ATV or automotive tires will be allowed. Tires must be turf or agricultural (bar) tread.
12. A qualified person will remain with their mower while the engine is running. Excessive idling of mowers will not be tolerated.
13. Age limits for minors and young adults. (All minors must have a parent or guardian sign a waiver before entering the pit area.
  - a. Eight (8) years of age for factory stock and hot stock classes.
  - b. Ten (10) years of age for altered stock.

14. Minors will be required to show the track officials that they have the skills required to control the vehicle that they will be pulling with before they will be allowed to pull. Drivers must be able to reach all controls and be able to start, stop, and steer in a safe manner and know how to stop the engine.

#### Weight Classes

1. Mowers will be put into different classes which will be determined by the combined weight of the mower and any technical modifications that may have been made to the mower.
2. The mower will not exceed the maximum weight for that class. Vehicle weight is the total combined weight which will include the vehicle itself along with the driver, safety gear, and fuel. Additional weight may be added to reach the maximum weight for that class. If weight is added after the weigh-in for that event, the vehicle must be weighed-in again.
3. Fuel may be added if required however the following conditions must be met.
  - a. The driver must show the tech inspectors at the initial weigh-in that the tank is full.
  - b. When adding fuel a track official must be present.
4. Mowers can pull in as many weight classes as they can qualify for.
5. Mowers can pull multiple times in a given class, however, the first hook will be the one that will be counted for points.
6. The weight classes will be as follows
  - a. Featherlight Hot Stock 500# and under
  - b. Lightweight Factory Stock 500#-700#
  - c. Lightweight Hot Stock 500#-700#
  - d. 700#-900# Factory Stock
  - e. 700#-900# Hot Stock
  - f. 900#-1000# Factory Stock
  - g. 900#-1000# Hot Stock
  - h. 1000#-1200# Factory Stock
  - i. 1000#-1200# Hot Stock
  - j. 1100# Altered Stock A class 0-16 HP
  - k. 1100# Altered Stock B class 17-25 HP
  - l. 1100# Pro Stock
  - m. 1200#-1500# Heavy Weight
  - n. 1500#-2000# Super Weight
7. Weight classes may be adjusted based on the field of competitors. Example, If there is a group of mowers ranging in weight from 700#-750# we may split that group into a separate class.
8. Mowers may pull up in the next class if the driver chooses to do so. Example, a mower from the Hot stock class may pull in an Altered stock class. However, if that mower takes first place in the Altered stock class then that mower will no longer be able to pull in the Hot stock class.

## Factory Stock Class

The following is in addition to the general rules

1. Absolutely no modifications to the performance of the mower will be allowed.
2. This class will run lawn turf tires only, no exceptions.
3. The mower must pull from the factory hitch point not exceeding eight (8) inches. Mowers must use our combination wheelie bar hitch.
4. Mower decks may be left on the mower for this class but must be disabled in some way, belt removal, blade removal, removing a fuse or relay.
5. Pullers under twelve (12) years of age must have a parent or guardian present. A parent or guardian may walk along side the mower while it is pulling but must not have any influence on the controls.
6. Mowers must have a tether switch at the rear of the vehicle.
7. Engines must have a functioning governor set to the manufacturer specifications.

## Hot Stock Class

The following is in addition to the general rules

1. Adjustable hitches are allowed with a maximum hitch height of thirteen (13) inches.
2. Allowable tires will consist of turf or agricultural (bar) tires if they were offered as optional equipment. Absolutely no modifications can be made to the tread pattern.
3. Mower decks may be left on the mower for this class but must be disabled in some way, belt removal, blade removal, removing a fuse or relay.
4. Pullers under twelve (12) years of age must have a parent or guardian present. A parent or guardian may walk along side the mower while it is pulling but must not have any influence on the controls.
5. Mower must have wheelie bars or use our combination wheelie bar hitch if needed.
6. Mower must have a tether switch at the rear of the vehicle.
7. The engine must have a properly functioning governor.
8. Engine throttle must be hand operated, no foot throttle.
9. Mowers must maintain the stock wheel base, no stretched frames.

## Altered Stock Class

The following is in addition to the general rules

1. Altered stock class A can have an engine ranging from 0 up to 16 (sixteen) horsepower. Altered stock class B can have an engine ranging from 17 (seventeen) horsepower up to 26 (twenty-six) horsepower. Mowers eligible to pull in altered stock class A can pull in altered stock class B, however, if a class A mower takes first place in class B that mower will no longer be eligible to pull in class A.
2. Mower must have a stock type engine and drive components.
3. Turf or agricultural (bar) tires will be allowed in this class. Modifications to the tread design will be allowed. No knobby or ATV tires.

4. Engine throttle control may be hand or foot control. Foot control throttle must return to idle when released.
5. Modifications to the operation of the governor will be allowed in this class.
6. Maximum frame length for this class will be 84 (eighty-four) inches from the center of the rear axle to the farthest forward point including added weights and or front tires.
7. Mower must have a working tether switch located in the center of the rear of the mower.

#### Pro Stock Class

The following is in addition to the general rules

1. Mower may change to a higher horsepower engine. The engine must be four stroke. Twin cylinder lawn and garden or single cylinder motorcycle or ATV engine up to 400cc or 50 horsepower will be allowed in this class.
2. Mower may have a straight (ATV) rear axle.
3. Mower must have a functional brake mechanism.
4. Maximum frame length for this class will be 84 (eighty-four) inches from the center of the rear axle to the farthest forward point including added weights and or front tires.
5. Mower must have a working tether switch located in the center of the rear of the mower.
6. Engine may run on alcohol in this class.
7. Driver must wear a fire suit while pulling.

#### Track Rules

1. The track officials will control the contest. They will enforce the rules in a fair manner. All official's decisions are final. A puller will be disqualified for any of the following: a blatant disregard of the rules, arguing with track officials, and unsportsmanlike conduct.
2. Only track officials and the competitor will be allowed on the track during competition. The only exception will be when a parent or guardian may walk alongside.
3. The flagman will indicate when the competitor will begin pulling with a green flag. When the flagman waves the red flag the pull is over, the driver must stop the tractor as soon as possible after the red flag.
4. Any loose parts or weights falling from the mower during competition will result in disqualification and no points will be awarded. If the parts fall off due to a mechanical malfunction, the driver will be awarded points.
5. Drivers must remain seated during the pull. At no time during the pull will the driver be allowed to have their hands in the engine compartment. Drivers must keep one hand on the steering wheel. Drivers may not place their hands on the fenders. Drivers may use a fender mounted grab bar or handle if the mower has one and must be of solid construction.
6. Drivers are responsible for knowing where they are in the running order and lining up accordingly. The next puller should have their mower lined up and ready to pull when the mower ahead of them in the line-up is going down the track. If there is a minor mechanical issue that can be resolved in a

- reasonable amount of time the driver may drop to last place. If the issue can not be resolved by the end of the class the driver will have to forfeit their chance to pull, we will not hold up the event.
7. Shifting gears will be permitted as long as the forward motion does not stop.
  8. The mower must drive onto the track under its own power. The mower may be pushed back to the sled to hook if there is no reverse gear.
  9. The driver will remain seated with their hands and feet off of the steering wheel and all controls during hooking and unhooking.
  10. Drivers will pull the sled in a safe manner. The driver will tighten the chain first, then proceed to pull. No jerking of the sled will be allowed. Track officials are allowed to stop a pull at any time if they feel the driver is unsafe.
  11. Drivers must keep the mower within the marked boundaries of the track while pulling. If at any time the mower crosses the boundary of the track the pull will be stopped. Boundary lines will extend 15 (fifteen) feet past the full pull mark. In addition there will be a boundary across the end of the track that will be 15 (fifteen) feet past the full pull mark. If a tractor goes out of bounds in the factory stock class the distance will be measured to the approximate point where the boundary was crossed. In all other classes, the pull will be disqualified and only hook points will be awarded.
  12. If the driver is not satisfied with their start, they have the option of resetting the sled and starting the pull over as long as the sled did not pass the 35 (thirty-five) foot mark. The sled will be pulled back to the starting line and reset to zero. The driver only gets one restart and the second start will be the one that will be counted.
  13. Track officials may request that any tractor be reweighed or go through a random tech inspection after any pull.

#### Event Procedures

1. The mower must weigh in for the lightest class it will be pulling in first, then drive off and add weights, then scale again. No adding or removing weights while the mower is on the scale.
2. Fuel tanks should either be full or have enough fuel for the event prior to weigh-in. If fuel needs to be added after weigh-in, the mower will have to be weighed again. In the event that the fuel tank does not have enough capacity to hold enough fuel for the entire event, drivers will be permitted to refuel if they: a. Show the track officials that the fuel tank is full at weigh in. b. Have a track official present while are refueling.
3. After the mower is weighed in for all the classes it is competing in, the mower will go to the designated impound area. If the mower leaves the impound area it will have to be reweighed before it will be allowed to compete.
4. After weigh-in the driver is responsible for paying dues, hook fees, signing a safety waiver, and drawing for running order.
5. Any competitor who arrives and is weighed in after the running order is posted will be added in at the bottom of the order. The scale will be closed before the drivers meeting and no mowers will be entered unless other arrangements have been made.

6. If a pull has to be redone due to a sled or operator malfunction the driver will be given the option to either pull immediately or pull at the end of the class.
7. If two or more competitors get a full pull in a class, there will be a pull off. In the event of a pull off, the sled will be adjusted and the competitors who qualified for the pull off will run in the same order that they pulled in the class. We will reset the sled and have pull offs as many times as necessary unless the drivers wish to call a draw, in that case any prize money will be distributed evenly.

#### Points

1. Points will be awarded in all classes. Points will be accumulative and will be tallied at the end of the season to determine a points champion. Points will be awarded to mowers that comply with the following.
2. Mowers will be given 10 (ten) points at our test and tune event for going through a tech inspection.
3. Mowers will be given 10 (ten) points when the sled chain is hooked to it.
4. After each pull, one point will be given for each full foot pulled, inches will be converted to the nearest decimal. Example: A mower that pulls a distance of 139 feet six inches would be awarded ten points for hooking to the sled and 139.5 points for the distance pulled for a total of 149.5 points for that pull.
5. Drivers can only take a points championship in one class. In the event that a driver wins a points championship in two classes the driver will be given a choice of which class they want to take the championship in. The runner up in points in the class that the driver opted out of will be awarded the championship for that class.
6. In the event of a pull off, points will be awarded as follows, Each driver that qualifies for the pull off will be awarded hook points and one point per foot for the total distance of the track. A full pull on a 160 foot track would give an initial point score of 170 points. Pull off points will correspond with the number of drivers that qualify for the pull off. If four drivers qualify for the pull off, pull off points will be awarded as follows. First place will be awarded four extra points, three points for second, two points for third, and one extra point for fourth place. Therefore the total number of points would be 174 for first place, 173 for second place, 172 for third place, and 171 points for fourth place.

#### Acknowledgements

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