

Lawn Mower Derby Rules

Lawn Mower Demo Derby General Rules

- Remove all glass, cast iron, and plastic.
- No zero turn radiuses (ZTR) allowed.
- No rear engine lawnmowers are allowed.
- No “Garden Tractor” conversions. No adapting a “Garden Tractor” into a mower.
- Do not make you mower in a tank, you will be disqualified.
- DO NOT weld brackets and joints that raise and lower the deck they must remain intact before derby.
- No reinforcing of the frame. All frames MUST remain stock.
- All mowers must use lawnmower wheels (clip axle mount wheels or single bolt axles NO BIGGER than 5/8) NO bolt on lug style (farm tractor style) tires are allowed. Stock type lawn mower tires only allowed. No tire chains, no dual wheels, no all steel tires, no AG tires, no ATV or Go-Kart tires. LAWN MOWER TIRF TIRES ONLY. Tires may be checked for air pressure at check-in time.

Mower:

- Electric start mowers are preferred, not required. If your mower does pull start, you must be able to start your mower while remaining on your lawnmower and your legs and arms must remain inside of the safety cage.
- No spikes or any protrusions on the mower.
- Mower must have a number on each side, its encouraged to have the number on top.
- Original and clever names are also strongly encouraged, but not required.
- NO profanity or demeaning language will be tolerated.
- Mower deck MUST be removed.
- Mowers must have good working brakes at the start of the heat.
- Mowers must have forward and reverse gears at the start of the heat.

Safety Cage:

- Mowers MUST have a safety cage installed for drivers' protection. The purpose of the safety cage is to protect the driver, NOT to reinforce the strength and durability of the mower.
- Safety cage may be as far forward as the engine crankshaft and extend to the fenders.
- This must be 1 ¼"-2" square tubing, angle iron, or round tubing, this is to protect feet and legs.
- Safety cage must have at least 4 solid welds or bolt points to the frame or fenders.
- Safety cage must NOT protect tires.
- The tires must remain FULLY open and exposed.
- Close the sides of the safety along the drivers' legs with bars no more than 4" apart. You may use bars or sheet metal.
- The top of the safety cage rail must come to just below the drivers' knees (when seated) AND be colored red between the tires, so it is visible to the others and officials. This is the "NO HIT ZONE".
- NO direct hits to the red areas. These will be treated like a direct hit to the driver's door just like those in a car demo derby.
- Drivers will receive 1 warning and then they will be disqualified for a second illegal hit.
- You may use a 1 1/4"-2' square tubing, angle iron, or round tubing that can go underneath to hold the guards in place. This bar IS NOT to be welded to the surface underneath the mower or to the frame of the mower. 1 only is allowed. If chose to have a bar in front of your seat it can ONLY be welded to the body in 2 places and must NOT be welded to the frame in anyway!
- All mowers must have a hood able to be opened for inspection then bolted with no more than 4 ¼" by 3" bolts at the dash around the drivers' area.

Bumpers:

- Front bumper is not to exceed 8 INCHES and Rear bumper is not extend more than 4 INCHES from the mower and must stay inside of the tires.
- No pipe bigger than 2 INCHES square or round may be used for bumper material.
- Bumper must remain flat across
- NO spikes, sharp edges, points, etc.

- MUST be no more than 15 inches off the ground.
- Back bumper may have a “hoop” weld off the bumper going up behind the back seat. Hoop can NOT be any wider than 15 inches for protection of the drivers’ seat only.
- No double stacking of bumpers.

A bumper height inspection tool will be onsite at all derbies.

Engine:

- Air cooled engines only. Engines are limited to a maximum of 20 HP.
- Engine must be a factory lawnmower engine such as Briggs & Stratton, Tecumseh, Onan, Kohler, Etc.
- Internal engine performance modifications NOT allowed.
- Exhaust modifications are encouraged; however all pipes must be securely mounted.
- Broken or loose exhaust pipes may disqualify the mower from the heat.
- If engine has a governor override it must still operate at a safe speed. Speed will be determined by officials.

Electrical:

- ANY OCCUPANT MUST HAVE A KILL SWITCH. Examples include any boat/jet ski type of kill switch.
- Key switches are NOT kill switches.
- Battery MUST be covered with a non-conductive material and anchored securely down.

Fuel Tank:

- You will be disqualified for any leaking gas.
- Fuel tank must be secured and have a cap.
- Tank may be relocated to a more secure location IF stock position is in a compromising area.

Modifications:

- You may use any seat that will fit on top of the back of the mower.
- You may build a chair cage on top of the fenders around the seat to protect your ribs and back. This may not be wider than the fenders.

- CAUTION: Modifying mowers may cause it to be top heavy and tip over easier.
- Changing pulleys is permitted and encouraged.
- Drive train modifications are permitted if it stays belt driven. NO chain driven or shaft driven tractors allowed.
- No motor cages allowed.
- Spark plug and overhead valve protector are allowed. Must be one piece. It can only be bolted to the engine only. NO welding to the frame. It must protect ONLY the spark plug and overhead valve.
- Protector can be no bigger than 8x8 using 5/16th inch thick metal, BOLTED in 2 places only.
- Pre-run mowers can have 1 plate per-side on frame. Plate must remain same thickness as mower frame and can not exceed more than 2" on either side of the bend. Bend must be a VISIBLE bend.

Rear-End:

- If rear-end is welded mower cannot ride high wheelies.
- Factory rear ends only
- Must remain stock, NO after markets front or rear ends.
- No welding. No reinforcements allowed.

Drivers:

- Participate at your own risk.
 - All drivers must show a legal I.D.
 - All drivers must be at least 16 years of age.
 - Drivers under 18 of age must provide a parental consent form.
 - Drivers must wear a helmet, long sleeves, long pants, closed toes shoes and eye protection.
- NO EXCEPTIONS!

- No sandbagging allowed. Driver must administer at least one hit every 30 seconds to be disqualified.

Event:

- All mowers must pass inspection before the derby.

- If your mower does rollover, you can restart ONE TIME if the officials deem your mower safe. Two rollovers result in disqualification.
- All drivers must stop and wait until the officials give drivers instructions to restart.
- Each mower will get 1 minute total to restart. Once the 1 minute is up, you are eliminated.
- Any mower catches on fire is black flagged.
- SAFETY FIRST!
- Judges' rulings are FINAL. NO EXCEPTIONS!

Protest Rule:

- If you want to protest one of the mowers there is \$50 fee to protest. If you lose the protest, you will not receive your money back, the mower you protest will receive the \$50. If you win the protest, you will receive your money back and the mower will be disqualified.