



2nd Annual Lawn Tractor Races, August 16, 2025

Lawn Mower Racing Rules, Regulations and Tech Card

Hello Race Fans!!

Welcome to the Two Hills and District Ag Society annual Lawn Mower Races

Description of Event

Lawnmower racing is a fun, family-friendly event. Racers age from 10 and up with everyone welcome to participate.

Lawnmower racing is catching on in Canada. The sport is sometimes called the “poor man’s NASCAR,” machines can reach 100 km/h with engines having from 8 to 90 horsepower and cost from \$500 to \$5,000 to build depending on the racing class.

Our Track

- 1/8 mile oval Dirt track with 220’ straights.
- Classes are based on configuration of tractors following Alberta Lawnmower Racing guidelines and classes may be added or deleted depending on number of entries. No racer will be turned away.
- The average race consists of 3 – 10 laps depending on the class.
- 4-8 drivers per race.
- Waivers must be signed by all participants.
- A pit area will be established prior to race day.
- Entrance and Exit lanes will be marked at race day.

To register use the following link or register the day of the event. **Pre-Registration is encouraged to facilitate race organization and save time on race day.**

If you have any questions, please contact:

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INTRODUCTION/HOUSEKEEPING

All rules should be read thoroughly as they will be enforced at all events, and subject to a technical inspection at the discretion of the Tech Inspector or Race Director. When in doubt, ask for a ruling in advance to ensure that you are not disqualified during the event.

The Two Hills and District Ag Society Lawnmower Racing Committee reserves the right to make changes to the rules for safety and the benefit and growth of lawnmower racing. Please forward any questions, suggestions, or concerns to the association executive.

Code of Conduct

We believe in supporting good sportsmanship and fair competition while maintaining a commonsense approach and keeping it simple and fun for everyone.

-No drugs or alcohol shall be consumed during any race event. Doing so will result in immediate disqualification from that event and continued infractions may result in being ejected from future events.

-Profanity or insulting behavior will not be tolerated.

-Each racer is responsible for his/her guests and crew while at the race event. This includes while you are on the track.

-Mowers must remain at a minimum speed while in the pit area and starting grid area.

-All racers and pit crew must obey any instructions and directions of officials.

-Anyone displaying unsportsmanlike conduct will be disqualified from the race.

Race Day Procedure

REPORT IN

All drivers must arrive within the scheduled registration times to allow for check-in and tech inspection.

All drivers must be at the driver's meeting to be held 30 minutes before the first race.

CHECK IN/WAIVER/FEES

It is the driver's responsibility to register, and obtain a "Tech Card", fill in the information and have the tech inspector review the mower and safety gear. No Drivers will be allowed to access the track until this is completed.

TECH INSPECTION

-All mowers must pass a tech inspection before racing. Any unit considered to be dangerous will not be allowed to race until the hazards have been addressed to the satisfaction of the Tech Inspector. All mowers must have safe steering, working brakes, safe tires and a kill switch.

-A "Tech Card" will be used to help the racer identify any issues with their machine or safety equipment.

- 2 technical failures may be grounds for disqualification at the discretion of the officials.

-Once cleared through tech inspection, mowers must remain in the pit area. Mowers may only leave the pit with permission from a race official.

-All decisions of tech officials or race officials are final.

Personal Protective Equipment

The following equipment must be worn at all times when operating the racer: Motorcross style CSA/DOT approved helmet, eye protection (goggles, visor, glasses), boots that cover the participants ankles, long pants, and a long-sleeved shirt or jacket (coveralls are recommended). Chest protector and neck brace are recommended for Super Stock and Pro Stock classes, **mandatory** for outlaw class.

Race/Track Rules

-Lawnmowers must give right of way to larger vehicles in the pit area. Being smaller, lawn tractors are difficult to see from larger vehicles. Be aware and avoid areas where larger vehicles are driving.

-Event officials reserve the right to further split/combine classes based on entrant attendance to make competitive and entertaining racing.

-Race lineup will be determined by either an executive member or the race director. The number of heats and racers per heat will be determined on race day. Any questions may be directed at the race director at any time.

-The start of any race is determined by the flagman. When the green flag drops race has started.

- Racers being lapped must stay on the outside line of the track

-Intentional bumping, uncontrolled ramming, and blocking will not be tolerated. It is conceded that some light tapping is part of racing, intentional infractions will be black-flagged after a warning. Racers deliberately driving in a reckless manner will be disqualified from the event and may be banned from future events.

-Drivers are responsible for knowing their starting positions and heat numbers. They must stay near their mowers while waiting to line up. Failure to be present at a race grid immediately prior to your race may mean forfeiture of your position and you may not be allowed to participate in that race.

-If a mower quits during a race, the driver's first responsibility is to safely move the mower to a safe distance from the track.

-Any suspicious modifications in any class will be subject to a re-inspection at any time during the event at the discretion of the Tech Officials or Race Director.

-All decisions of Tech and Race Officials are final and anyone displaying unsportsmanlike conduct will be disqualified.

FLAGGERS

The head flagger controls the race. They are responsible for starting and controlling the race. Safety crews and corner workers will assist the head flagger by keeping them informed of any problems on the Track.

FLAGS

The following flags will be used:

Green- Raising of the green flag signals the start of the race.

Yellow- NO PASSING UNDER YELLOW. If the yellow flag is rolled and is waived by a corner flagger, it is a warning of a minor problem ahead. Slow for that problem then resume your speed. If the yellow flag is open and being waved at a corner and by the head flagger, CAUTION! Slow immediately. This means a full course yellow. This allows the riders involved to catch up to the pack for the restart. Racers must close on the leader in a single line formation for the restart. Yellow flag laps do not count towards the total race lap count.

Red- STOP!! All racers must stop immediately and wait for direction from the flaggers.

Black- If the flag is still rolled up, you are being given a warning for some type of violation. Pay attention. If you receive the full black flag, you are disqualified. Leave the track immediately.

White- Start of the last lap.

Checkered- End of race.

RACE SET UP

All racers will have ample time to report to the track for the start of each race. If a mower has a problem, the head flagger MAY allow additional time or adjust the field for the start. If the late racer arrives after the field has been adjusted, he/she must start at the end of the field.

STARTS/RESTARTS

For the beginning of each race, drivers will line up at the starting line and start the race from a stand still. For a yellow restart, racers will proceed around the track until the starter determines the lineup to be in order and close enough for a good start. Any driver jumping the start must restart at the rear. A second jump start is grounds for disqualification.

STALLS/OFF-TRACK

If a racer stalls on the track, their first responsibility is to move the mower to a safe position. If possible, the driver should raise their hand to signal others they are making a non-racing action. The racer may then restart and re-join the field. When you depart the track, you may rejoin the track at the first available SAFE spot. You MUST yield to oncoming traffic, and you may NOT advance your position. Drivers that go off track intentionally to gain position will be disqualified.

Basic Rules For All Classes:

- No Zero-Turn mowers are permitted.
- Any belt, chain, or moving parts must be guarded unless on the underside of the tractor.
- Absolutely no suspension in all classes.
- Rear engine mowers are allowed in Stock class only.
- If a mower's engine or drivetrain is being fixed/tested in the pit area, **DRIVER MUST BE SEATED ON THE MOWER or the rear wheels must be secured off the ground to prevent inadvertent run-away situations.**
- All tractors must have a visible race number. Minimum 3" height is recommended on a contrasting background. Numbers must be from 0-999, no more than 3 digits, no letters.

STEERING

Steering must be fully mechanical, no hydraulic or articulating steering.

No Handlebar steering setups allowed due to possibility of piercing.

See individual classes for details on the use of stock steering mechanisms. Stock steering must be in good working order as determined by the tech inspector.

KILL SWITCH

All mowers must have a manufactured tethered kill switch except for the Stock class, in which the stock seat shut-off switch may be retained and functional. A working kill switch is required to race.

BUMPERS

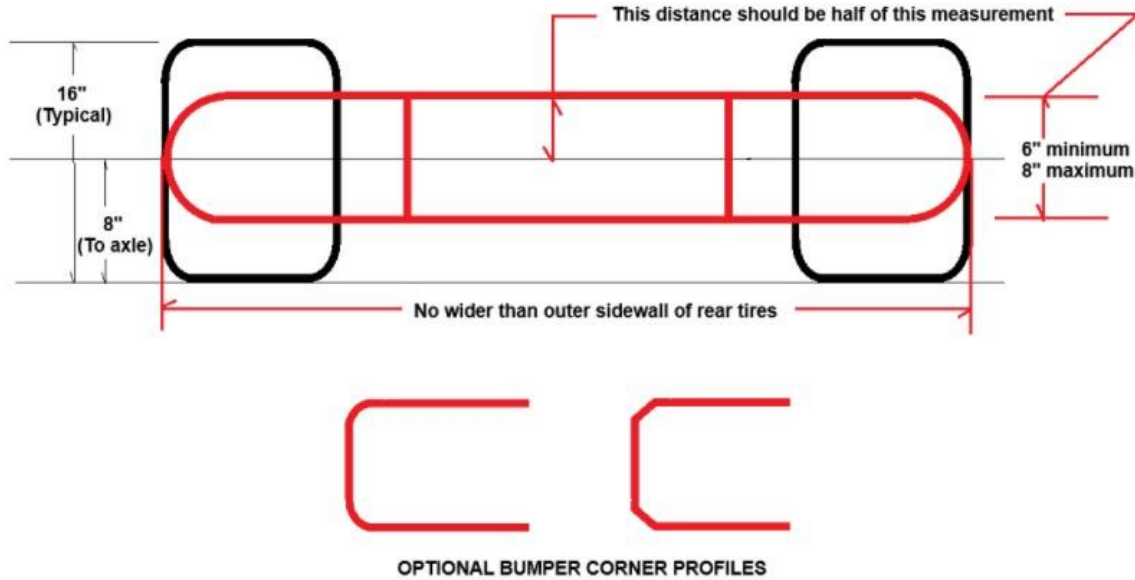
No straight pipe bumpers.

If required (see specific class rules), should be no wider than the rear tires. It is recommended to use $\frac{3}{4}$ " - 1" round, square or hex steel tube material tubing with 6" - 8" between the top and bottom tube. It is to be installed a maximum of 2" from the closest surface of the rear tire. The bumper should be vertically centered on the rear axle. **The intent of the bumper is to prevent mowers from climbing the rear tires and contacting a driver.**

No other bumpers are permitted, even those offered as factory options.

Front Bumpers are optional but cannot exceed 2" pass the sides of the hood, and at no time will the front bumper cover or protect the front tires. They are intended to protect the hood only.

REAR BUMPER SIZING AND LOCATING



SIDE / NERF BARS (IF REQUIRED)

Side nerf bars are flush to the outside of tires. No sharp edges. Side bars must be installed no more than 1.5" in from outside of tires. They will be made of round or square stock not exceeding 1-1/2" in diameter. The maximum height of the bar is 6" from the footrest platform and should be blanked with a panel to prevent a driver's foot from being trapped.

TIRES

Tires must be turf type lawn tractor style, unless otherwise specified in that class. ATV tires are not permitted. Go kart tires are allowed if specified in that class's rules.

Turf Saver style example



Turf Master style example



Race Tire style example



FUEL SYSTEM

Fuel tanks must be proper metal or plastic fuel tanks, mounted securely and protected. Stock tanks/mounting are acceptable.

Shut-off valves are recommended.

Electric fuel pumps may have switches but must shut off when the tethered kill switch is tripped.

Pump fuel only - all classes but Super Modified/Outlaw.

Race fuel (i.e. VP) is allowed in Super Modified/Outlaw.

No methanol.

No nitrous.

BODY WORK

Mowers must retain a lawn tractor appearance. Stock, Super Stock and Pro Stock classes are to use original mower hoods, fenders and consoles. OEM style Consoles are optional for all other classes, but a panel separating the driver from the engine compartment is required.

Fenders are required to the extent of maintaining the appearance of a mower.

Sharp corners, edges, or protrusions should be removed, blunted or protected for racer safety.

ELECTRICAL

Batteries must be fastened securely and covered. Positive terminals and connections must be covered to prevent shorting, arcing and sparking.

TORQUE CONVERTERS

No torque converters except in Outlaw class.

Brakes/Clutches

Must be intact and working. If not equipped with a neutral gear, tractors must have a clutch lockout so the machine can be pushed by hand. When running centrifugal clutches, the driver must be seated on the machine to have it started or have the rear wheels securely off the ground.

Throttle

No fixed throttles other than Stock class. The throttle must have an effective spring return, and the engine must return to an idle when the throttle is released. Both foot throttles and squeeze or trigger-type steering wheel-mounted throttles are acceptable.

Exhaust

Open is allowed if it points away from the driver and poses no apparent hazard. Recommended to point toward the ground. There are existing machines with exhaust modifications that may continue to race.

CLASS: Stock

This class is intended for people to drop the deck (if they want) or **BLADES MUST BE REMOVED** from their working mower and come out to race. This will be the first racing experience for some folks and could be the start of something great. This is the only class where rear engine mowers are allowed. The race will be close if the rules are followed.

AGE: Minimum age to race is 10, parental consent is required under the age of 18

ENGINE: All residential mowers commercially sold vertical and horizontal shaft engines as they were delivered from the factory. The maximum allowable displacement is 49 cubic inches. Engine mods are limited to exhaust only, which should point toward the ground away from the racer. The engine must be governed to max 3750 RPM.

THROTTLE: Stock throttle acceptable.

STEERING: Stock steering is acceptable and in good operating condition.

DRIVELINE: The transaxle / transmission must be as delivered from the factory. Must retain stock pulleys, factory wheelbase and track, as well as factory ride height.

BODYWORK: No performance modifications allowed. Cosmetic modifications allowed at the discretion of the organizer.

RIMS/TIRES: Stock and bolt-on rear wheels are allowed as delivered from the factory. Tires must be as delivered from the factory.

CLASS: Super Stock

This class is the next step in the search for speed with minimal modifications allowed. Super Stock encourages you to develop your mechanical skills, gradually. The race will be close if the rules are followed.

AGE: Minimum age to race is 14, parental consent is required under the age of 18

ENGINE: All vertical and horizontal shaft engines as they were delivered from the factory. The maximum allowable displacement is 49 cubic inches. Generally there are no modifications allowed, but there are existing machines with modified exhaust that will be allowed to continue racing. Engine must be governed to max 4000 RPM.

PULLEYS: The drive pulleys may be changed from stock. *FOR THE 2026 SEASON* the pulleys must not be cast iron as they may come apart (explode) at the high rpm it will now experience. Factory style clutches only.

STEERING: Stock steering with minimal slop / play is acceptable but direct (kart style) steering is recommended. No handlebars.

DRIVELINE: The transaxle / transmission may have the differential locked and have the reverse chain removed. **Must retain factory ride height, wheelbase and track.**

BRAKES: Stock brakes are acceptable. **The driver must be able to stop the mower within a reasonable distance.**

BODYWORK: Body modifications to facilitate lowering of the seat are allowed. No other performance modifications are allowed. Reinforcement of the frame is allowed. Any wheelie bars must be limited to 18" maximum from the rear tires.

BUMPERS: not required

RIMS/TIRES: Rear rims maximum diameter allowed is 10", front rim maximum diameter is 6". Tires must be standard Turf Saver, Turf Master style patterns as shown in the General Requirements.

CLASS: Pro Stock

Pro Stock will test you and your mechanical skills right from the start; you can lower your machine, upgrade or replace the steering, and minor mods to the engine are allowed.

Age: Minimum age to race is 16, parental consent is required under the age of 18

Engine: Maximum 32 hp OHV engine. Ungoverned engines are allowed, if over 4500 rpm, we recommend a billet flywheel. All vertical and horizontal shaft engines. Air filters can be replaced. The exhaust system can be modified but should exit toward the ground. There are existing Pro Stock class machines with modified exhaust that do not exit toward the ground but will be allowed to continue racing.

Drivetrain: Driveline pulleys and sprockets may be changed. All moving chains/belts not covered by the underside of the tractor must have guards in place. The drive pulleys may be changed from stock. *FOR THE 2026 SEASON* The rear pulley must not be a cast iron part as it may come apart (explode) at the high rpm it will now experience. If a jackshaft is used to accommodate lowering the mower, the input / output pulley size ratio must be 1:1. Live axles are allowed.

STEERING To be determined safe by Tech Inspector. Stock steering rod ends must be upgraded, and steering slop minimized. Direct (kart style) steering is recommended. No handlebars.

Chassis: Modification is allowed. Reinforcement of the frame is recommended. There must be a minimum 4" frame ground clearance.

BRAKES: Functioning stock brakes that stop the mower in a reasonable distance are acceptable. Upgraded mechanical or hydraulic brakes are recommended.

BUMPERS: A rear bumper is required as per the general requirements. No other bumpers are permitted, even those offered as factory options.

Tires/Wheels: Turf or Kart tires are all allowed.

WHEELBASE / TRACK: The maximum allowable width (or track) is 42" from outside to outside of the wheels. The allowable wheelbase is 56" maximum.

CLASS: Outlaw

This class is the ultimate step in the search for mower speed with the highest level of modifications allowed. It isn't unlimited...but nearly. Be ready though - a high level of mechanical and fabrication skills is required.

AGE: Minimum age to race is 16, parental consent is required under the age of 18

ENGINE: Vertical shaft - Flathead / OHV Single / V-twin & Flathead Twin, Horizontal shaft - Honda Clone / Vanguard / Kohler type, motorcycle, quad and snowmobile all allowed (no automotive engines). The maximum allowable displacement is 62 cubic inches (1000 cc). Internal and external engine modifications are allowed. Engines can be ungoverned, the use of a billet flywheel is required above 4500 RPM

BRAKES: Brakes must be upgraded to caliper/disc setup. Hydraulic brakes are HIGHLY recommended.

STEERING: Direct (kart style) steering is required. No handlebars.

THROTTLE: All mowers MUST be equipped with an automatic throttle closing device.

DRIVELINE: The driveline must include a clutch. Right angle gearboxes, transmissions and live axles are allowed. Centrifugal clutch and jackshaft style drivelines are allowed.

Chains and belts on the top side of the mower must have a protective cover of steel or aluminum. Torque converters rated to the HP of the engine are allowed.

FRAME: Reinforcement of the frame is allowed. The frame may use stock rails. The maximum frame width is 15" to the outside. Custom fabricated frames are allowed and limited to 15" width.

RIDE HEIGHT: The minimum clearance between the frame and ground is 2".

BUMPERS: A rear bumper is required for the general requirements. Front bumpers are optional.

SIDE / NERF BARS: Side nerf bars are required per the general requirements.

RIMS/TIRES: Reinforced stock wheels are allowed. Alloy kart, golf kart and ATV rims are allowed. Rear wheels can be up to 10" while maintaining the required ride height. Front wheels can be up to 6". Tires styles are open within the types as shown in the General Requirements. Tire cleats/spikes are not permitted. No ATV tires are allowed.

WHEELBASE / TRACK: The maximum allowable width (or track) is 42" from outside to outside of the wheels. The allowable wheelbase is 58" maximum.

Two Hills Ag Society Lawn Mower Racing Check List

NAME: _____ CHECKED BY: _____

CLASS: _____

- WAIVER SIGNED
- FULL FACE HELMET
- BOOTS
- COVERALLS
- GLOVES
- SATISFACTORY BRAKES
- SATISFACTORY STEERING
- STEERING WHEEL
- HOOD AND FENDERS
- BUMPERS AS REQUIRED BY CLASS
- BATTERY SECURED
- FUEL TANK SECURED
- NO SUSPENSION
- TURF TIRES
- NO PROTRUSION PAST TIRES
- NO SHARP EDGES OR CORNERS
- HEIGHT REQUIREMENT
- ENGINE SIZE
- ENGINE RPM
 - 3750 STOCK GOVERNED
 - 4000 SUPER STOCK GOVERNED
 - UP TO 4500 PRO STOCK UNPROTECTED
 - OVER 4500 PRO STOCK BILLET FLYWHEEL OR SHIELDED
- THROTTLE-SPRING RETURN TO IDLE
- KILL SWITCH

OUTLAW CLASS – ALL ABOVE PLUS:

- CHEST PROTECTOR
- NECK BRACE