

CLEARWATER VALLEY GRASS ASSASSINS DIRT DRAG RACING RULES & REGULATIONS

GENERAL RULES

1. No alcoholic beverages will be consumed before, during, or after any race, by any Clearwater Valley Grass Assassins (CVGA) racing member, helper, or participant.
2. Entry fees must be paid prior to racing. These fees are subject to change, but are as follows:
\$30 per class entry
3. All drivers under the age eighteen (18) must have a parental release form filled out by their parent or legal guardian at every race.
4. The competition and pit area will be closed during the race. Pits will be open for the public to view mowers and ask questions up to time of time trials.
5. All drivers in the STOCK class need to be at least eight (8) years old. To race in the MODIFIED and SUPER MODIFIED class drivers must be twelve (12) years old. In order to race a OMG mower; the driver must be fifteen (15) years of age.
6. Registration will begin two (2) hours prior to start of each race and will close prior to the start of each race. This does not mean that you cannot arrive earlier than that to help with track preparations. Release of Liability waivers must be signed during registration and witnessed by staff.
7. Tech inspection will take place prior to the race.
8. Prior to the race, contestants will be required to make two (2) time trial runs. Both runs will be averaged and that average time will be used to group racers into competitive classes. Brackets will then be seeded by 1) drivers drawing chips with assigned seeds OR 2) seeds being randomly assigned by the computer.
9. All races will be double elimination.
10. The dirt track will consist of two (2) fifteen (15) foot wide lanes, each being two hundred (200) feet long from start to finish line with an additional 100 feet of deceleration zone.
11. A starting light will be used. A red light will be an automatic loss unless the other driver gives chase.
12. Drivers must stay in assigned lanes or it will be an automatic loss.
13. Drivers must have their mower on the starting line and be ready to race no later than two (2) minutes from the finish of the previous race.
14. If a mower crosses the center line or hits any of the outside boundaries between the start and the end of the track, it will be considered an automatic loss.
15. A driver must qualify on the machine for each class he or she wishes to race.



- 16.** A driver may not change mowers (in the event of breakdown).
- 17.** A driver who begins a race in each class, must finish the race in that class. No switching of drivers will be allowed (for any reason) once the races have begun. If the driver is unable to finish racing, the mower will be retired in that class for the remainder of the day.
- 18.** If a driver violates the safety rules, it will be up to the Safety and Tech Committees to enforce the severity of the punishment. This may include being told to load your mower.
- 19.** Grudge matches may be held at the discretion of race staff following completion of all race finals. These will be dependent on the willingness of race staff to stay and supervise as well as whether time will allow. Grudge matches will not be allowed prior to any race event or between heats.
- 20.** If anyone is found to be violating these rules, disciplinary action will be taken. These punishments may be minor to severe. Severe action will include, but is not limited to, not being able to participate in future CVGA events. The CVGA leadership team will decide this.

SAFETY RULES

- 1.** All lawn mowers must be equipped with adequate brakes to stop and be able to hold the machine on the starting line.
- 2.** All lawn mowers must be equipped with a functional safety switch. (see tech rules).
- 3.** Steering must be tight.
- 4.** Wheelie bars must be metal and bolted or welded securely to mower frame to prevent the front wheels of the machine from lifting more than twelve (12) inches off the racing surface (no more than 50 degrees). This is for your safety and that of the spectators. Wheelie bars are MANDATORY for all machines other than Stock class.
- 5.** All drivers must wear DOT approved helmets. Full-face is recommend, but not required. No bicycle helmets are permitted.
- 6.** All drivers must wear long pants (denim preferred) and shoes/boots (no sandals/open toe footwear). While not mandatory, gloves and eye protection are recommended.
- 7.** All drivers must be able to reach and operate the clutch/brake pedal.
- 8.** All drivers must drive slowly and carefully when leaving and returning to the pit area to prevent accidents. Only one verbal warning will be given.
- 9.** Any mower involved in any accident must be re-inspected and approved by the Tech and Safety Committees before the mower can continue to race. Their ruling is final.
- 10.** If there is enough room in the pit area, you will be allowed to start your mower and idle your machine to the starting line. However, there may be times when this is not possible. In those cases, you will be required to push your machine to the starting line before starting it.
- 11.** An adult is allowed to be present for a driver under the age twelve (12) to stand at the starting line.
- 12.** All mowers will be required to reduce speed after crossing the finish line. When returning to the pit area, all mowers will use idle speed down the return lane. When the mower reaches the start line, engines will be turned off and pushed to pit location, unless directed otherwise during safety meeting.

No celebration "hot dogging" or showing off (i.e. burning brodies/cookies) is permitted for safety reasons.

TECH RULES

1. Only production riding lawn mower engines are allowed for all classes. These are to be one or two cylinder lawn mower type: Briggs & Stratton, Kohler, Kawasaki, Tecumseh, Honda. All approved engines are 4 cycle only.
2. Riding lawn mower must be four wheeled residential lawn mower that had belly mounted decks. No sharp protruding objects on mowers. All mowers must have body parts intact (i.e., wrap over hoods and grills) to create a shield for engine. ALL MOWERS MUST HAVE BODY PARTS IN PLACE TO LOOK LIKE A TYPICAL RESIDENTIAL LAWN MOWER. Cosmetic additions will be reviewed by tech judges to determine safety. No large industrial mowers or tractors are allowed. Mower decks must be removed or disabled (drive belt or blades removed) for safety reasons.
3. Accepted fuels are gasoline, alcohol/methanol, and diesel fuel only.
4. All mowers must have visible and legible numbers before racing. Drivers may use tape, shoe polish, etc. to make these numbers visible. These numbers are assigned when the mower is registered with a CVGA event.
5. All lawn mowers must be equipped with a functional safety switch.
 - a) Stock mowers may have keyed ignition kill switch or pressure switch under seat.
 - b) All Modified, Super Modified, and OMG mowers must have tethered kill switch.
6. All exhausts must be turned in a safe direction away from engine and riders.
7. Any mower meeting safety but failing to meet specific build requirements may be allowed to race as exhibition only (ineligible for prizes). This will be at the discretion of the Grass Assassins race staff.

RACE CLASSES:

Racers will be placed in the following classes. These classes will be based on the average of two separate time trial runs down a 200 ft track. If a racer experiences a technical issue during a time trial run, they will be asked run again as to prevent skewing the average and placing a faster machine into a slower class.

CLIPPER CLASS: 13 seconds or greater

MODIFIED CLASS: 9.0 – 12.99 seconds

SUPER MODIFIED CLASS: 7.0 – 8.99 seconds

OMG CLASS: 6.99 seconds or less

BUILD RULES FOR MOWERS

Please note that all race builds must involve a riding mower frame and a motor that came from the factory on a riding mower. Any build that utilizes a go-kart frame, ATV frame, or motor from anything other than a riding mower will be disqualified from competing. The goal of our lawnmower drag racing club is to push the limits of how fast a riding mower can go through modification of lawn equipment drive components. Permitted modifications are outlined below:

STOCK/UNMODIFIED MOWERS

Stock mowers are defined as original riding mower gear minus mowing deck or blades (if mower deck is present, tech inspector will verify lawn cutting blades or belt have been removed). Cosmetic modifications will be allowed. Please note that the mower does not have to have the original motor that came with the machine, but must have an unmodified factory class mower engine. A bone stock mower is not required to have a tethered kill switch, but must have a functional seat kill switch.

For builds involving modifications:

MODIFIED/SUPER-MODIFIED/OMG BUILDS

FRAME & CHASSIS

Frame may be stock or modified but must be present. It can be extended, raised, lowered, or shortened as long as the frame and chassis is still recognizable by the Tech Judge. A modified frame can be extended or reinforced with round or square steel or moly tubing. No galvanized tubing is allowed.

All body parts (i.e. rear fenders, hoods, grille, running boards, etc.) must be installed on the mower. Any customized additions must be deemed safe for the racer, opponent, volunteers, and spectators. No spikes and sharp protruding accessories will be allowed.

Steering may be stock or modified for improved durability. Front axle may be pinned, bolted, or welded to prevent sway at high speed and possible rollover. Front axles may be custom fabricated steel tubing. Wheelie bars are mandatory for race mowers in Modified and OMG classes. Wheelie bars may be fixed or detachable, but must only allow a maximum of 12" of lift from the bottom of the front tires.

ENGINE & DRIVE ASSEMBLY

The engine must have originated on a riding lawnmower. Naturally aspirated motors may be modified internally and externally (i.e. pistons, rods, heads, cams, valves, oil pumps, bearings, flywheels, fuel injectors, carburetors, exhaust, ignitions, gaskets, plugs, etc.). Factory production blocks may be machined, bored, milled, decked, or ported. Non-factory sprockets, pulleys, and tires may be used. Factory engines are limited to a maximum of 2 cylinders and/or 1000cc and must be four stroke. Mowers may run stock, steel, or billet aluminum flywheels. For any motor that has been governor deleted, a billet flywheel must be used unless protected by a reinforced cage (no expanded metal or porous material permitted)

Turbos, blowers, and nitrous injection may be utilized as performance mods. Mowers engine must be properly covered/encased for safety.

Race mowers may utilize a shiftable gear box connected to a live axle (sprocket, chain, and brake assembly). No centrifugal or CVT drives will be permitted. A functional reverse gear is optional. Permitted transaxles are Foote, Dana-Spicer, Tecumseh-Peerless, and MTD. Internal reverse chains may be removed.

PERMITTED FOR USE

PERMITTED FRAME EXAMPLES:



PERMITTED TRANSAXLE EXAMPLES:

*Peerless: MST-205, MST-206, 801, 820, and 930 series

*Dana Spicer: 4360 series

*Foote: 3865



PERMITTED GEAR BOX EXAMPLES: (can be used in conjunction with a live axle):

*Peerless 700 (3 – 6 speed)



NOT PERMITTED

Prohibited Frame Examples: No go-kart or ATV frames! Just because you can put a lawnmower hood on something, doesn't make it a riding mower...



Prohibited Drive Component Examples: None of these ever came as a factory option on a riding mower.



CVT



Centrifugal Clutch



Driver Clutches

Prohibited Engine Examples: Motorcycle, Snowmobile, Automobile engines, electric motors, etc



Prohibited Lawn Mowers/Tractors: No zero-turns and industrial size tractors



IF NOT STATED IN THESE RULES, IT IS NOT APPROVED