

David Thompson Snow Riders

GRASS DRAGS

Class Specifications:

******Please note that any rule changes are in bold******

If there are any questions about rules not stated here – refer to International Snowmobile Racing (ISR) rules, check the rules section of the SSRA website at www.racessra.com or call the SSRA Tech and Race Director - Dale Roger at (306) 236-4411

General:

- TETHERS ARE REQUIRED ON ALL MACHINES
- Limiter straps allowed in all classes (except Mountain);
- must be OEM material, cable and chains not allowed
- **STUDED TIRES WILL NOT BE ALLOWED IN QUAD CLASS**
- All classes require 2 inches of remaining compression travel with the driver in place
- Cleated tracks are not allowed
- All picked tracks require tunnel enclosure
- Drivers require appropriate footwear (no sandals) and full-length pants
- Must have snow flap
- Cleaning out or spinning of tracks only allowed on stand with backboard
- Must have hoops on ski tips

A scale will be present at these races –

- In **Stock** - Driver and gear weight must be **180** lbs including fuel. For example, if you have a dry weight machine of 470 lbs, it has to tip the scales at **650** lbs.
- Please note that if you are a light rider and will have trouble making the **180** lbs – you need to bring fuel, or weights that can be secured on to the sled to make up the additional weight. If more than one racer is using the same sled and there is considerable difference in weight, you need to make sure the sled is **180** lbs over dry weight, even with the lightest rider on it
- In **Improved Stock** the sleds and drivers combined weights must be as follows:
 - 600cc – 700 lbs (3 cylinder) or **645** lbs (2 cylinder)
 - 700cc – 750 lbs (3 cylinder) or **695** lbs (2 cylinder)

- 800cc and 1000 cc – 775 lbs (3 cylinder) or 685 lbs (2 cylinder)
- Pro Stock, Open Modified and Heavy Modified will run by ISR guidelines
- Scale will be used in **all classes except** Women's, Junior, Junior Novice, Mini Sled, Stock Mountain, Modified Mountain, and Vintage
- Drivers in all classes, except Mini, Junior and Junior Novice must be 16 years old or older

Unique Sled Rulings:

- Yamaha Attak, Rx 1 and Artic Cat 660 are classed as triple piped machines and can't run in 600s or 700s classes
- Polaris 750 Turbo may enter 500 class
- ANY modifications to the stock turbo sleds, or if you add a turbo to any machine, the machine can only run in 1000 Modified Mountain, Open Modified 1000 and King classes
- Yamaha Vector, Rage, Nytro, Phazar may all run in the 500 class
- Turbo Yamaha may run in Open Modified 1000 and King, and must weigh 625 lbs

Stock (including Women's, Junior and Junior Novice)

No traction products allowed

Must have OEM (or factory designed replacement) engine, hood, frame, cowl, gas tank, carburetion, suspension and variable speed converter

No component of the engine may be altered; this is to include polishing, port matching or blueprinting

No changes in engine dimensions can be made by gasket adjustments

Maximum cylinder overbore for wear cannot exceed 0.020 inches (0.5 mm)

No carb modifications

No additional fuel pumps

Oil injection pump must remain functional

Exhaust system must be stock, complete and unaltered (Stingers are allowed)

Air box can be replaced with after market filter. Air boxes cannot be modified

Any springs or weights may be used, after market helixes are allowed

Track sprockets/drivers must remain OEM for the model

Track changes allowed but no grass drag tracks, cutting or porting of tracks

OEM shocks must remain in place

No chassis or suspension alterations

Marginal snow wheels and related hardware may be added or removed from the slide rails

Rear idler wheels must remain OEM

After market skis are allowed

Improved Stock

Traction Products Allowed

Any alterations allowed in Stock allowed in Improved
Must have OEM engine, belly pan, fuel tank and frame,
Any hood that maintains stock appearance is allowed
Engine modifications allowed, with no more than 1 % overbore, no strokers
Engine modifications must be done from original casting
No pressurized fuel systems allowed
No turbos or blowers
No open pipes
Air box may be removed; oil pumps may be removed
Carbs and flanges must be OEM
Reed changes and shorty covers allowed
Commercially available, aftermarket heads allowed

Drop and Roll allowed

Stab wheels and Clutch must be in place
(Some discretion will be allowed on machines with only minor modifications)
If traction products are used, must have wrap around safety shielding

Improved Stock 1000

Same as improved except:

Stroke may be changed

After market cylinders allowed (must be commercially available)

Stock Mountain

Same as stock, but must have a 1 ¾ " or 2" track 136" or longer
Any commercially available track allowed
No cutting of tracks

Modified Mountain Class

Any modifications allowed in Stock, Improved or Pro Stock allowed in Mountain
Must have a 1 3/4" or 2" track
Hood may be removed
360o clutch cover required on Modified Machines
No bolt on traction products
No trimming of tracks
Track porting allowed
Fuel tank must be from stock qualified snowmobile
Turbos and nitrous allowed

Pro Stock Class

Any alterations allowed in Stock or Improved allowed in Pro Stock
Must have stock belly pan and stock appearing seat, hood and tank
Must have stock appearing chassis
Any tracked suspension is allowed
Traction devices are allowed. No screws
If traction products are used, must have wrap around safety shielding

All carb changes are allowed

Maximum of 2% over cc displacement for class is allowed

If plate is used to raise cylinders, can be no more than 0.5 inch thick No super charge, turbos or pressurized fuel systems

Head changes allowed

Strokers allowed

Any ignition allowed in 800 and 1000

Pro Stock Clutch Guard required on Pro Stock Machines

Stab wheels must be in place

Open Modified Class

Must have 360 degree clutch covers or belly pan and clutch cover

If traction products used, wrap around shielding is required

Stab wheels must be in place

King Class

Maximum engine size in King is 1000c plus 5% overbore (1050cc). Four strokes may be turbo charged, but must incorporate a restrictor plate as per ISR regulations. No use of turbo or super charging on two strokes. No use of nitrous oxide injection on any engine.

Heavy Modified Class

Stab wheels must be in place

Naturally aspired machines only

Minimum class weight is 550 lbs combined

Women's Class

STOCK machines only

Vintage Class

Machines must be 15 years or older

Mini Sleds

Kitty Kats, Mini Z's and the like

Free registration

Parental Consent must be signed

Junior Class

600cc **STOCK** machines and under only drivers must be 14 - 16 years of age

Parental Consent must be signed

Junior Novice

400cc or smaller **STOCK** machines

Drivers must be 10 - 13 years old

Parental Consent must be signed