

Sugar River Raceway 2023 Competition Classes

Check out our competition classes. Many kart, driver, engine, and experience level combinations to get you involved in this great sport.

Kid Kart Classes, Ages 5 through 7. Any tire sized 10-4.5x5. 150# kart and driver combined weight at the end of the race.

Comer C-51 Engine, 10-89 gear ratio. Max tire pressure 30 PSI. Max circumference 32 5/8". Must use C-50 or C-51 block. Engine must remain stock appearing. Kids 5 years of age must run a restrictor on Outlaw engine.

Honda GXH50 Sealed Engine, Open gear ratio. Tech per [NKA Manual](#).

Briggs LO206 Sealed Engine, 17/57 gear ratio. LO206 with carb lock, RLV pipe (#5507), .310" Slide (#555732) 4,100 RPM Rev Limiter. Tech per [Briggs Manual](#).

Jr. Box Stock

Ages 7 through 11, Hoosier R80 tires 4.5 and 6.0 rears, or 4.5's all the way around.

Black Restrictor @ 225#'s

Gold Restrictor @ 275#'s

Unrestricted @ 320#'s

Tech per Sugar River Raceway Honda Manual

Jr. Super Stock

Ages 11 through 15, Hoosier R80 tires, 4.5 front and 6.0 rear tires

Red Restrictor @ 260#'s

Green Restrictor @ 300#'s

Unrestricted @ 330#'s

Tech per Sugar River Raceway Honda Manual

Sr. Super Stock

Ages 16+ (14+ with a previous year race experience). Hoosier R80 tires, 4.5 front, and 6.0 or 7.1 rear tires.

Red Restrictor @300#'s

Green Restrictor @ 340#'s

Unrestricted @ 370#'s

Milled GX200 Head @390#'s

Tech per Sugar River Raceway Honda Manual

Super Stock Legends

Ages 40+, Hoosier R80 tires, 4.5 front and 6.0 or 7.1 rear tires.

Red Restrictor @320#'s

Green Restrictor @ 360#'s

Unrestricted @ 390#'s

Milled GX200 Head @410#'s

Tech per Sugar River Raceway Honda Manual

Jr. 1 Club

8 through 12 years, Hoosier R60B tires, 4.5" front and rear. Green Slide #555740 w/lock, RLV #5506 or 5507 header & silencer, 260#'s'.

Tech is per [Briggs Manual](#).

Junior

12 through 15 years, Hoosier R60B tires, 4.5 front & 6.0 rear tires, Yellow Slide #555741 w/lock, RLV #5506 or 5507 header & silencer, 310#'s'.

Engine tech per [Briggs Manual](#).

Senior

340# Lite

15+ on age, Hoosier R60B or Vega Red 4.5 front & 6.0 rear tires, Red Slide, RLV #5506 or 5507 header and silencer. Open Bodywork.

375# Heavy

15+ on age, Hoosier R60B or Vega Red 4.5 front & 6.0 rear tires, Red Slide, RLV #5506 or 5507 header and silencer. Open Bodywork.

Engine tech per [Briggs Manual](#).

[Ignite Karting Series Class Link](#)

Sugar River Raceway will begin running the Ignite Series by Margay in 2021. We will start with the Senior Medium class. Chassis and series rules can be viewed on the Ignite Karting link above. Use this [Engine Tech Link](#) for the Briggs Engine Tech that corresponds to the series.

The Ignite Series at Brodhead will run a 15T clutch driver only.

Jr. Sportsman

8-12 years, Open tire rule using four 4.5" tires, RLV SSX-V #7548 can muffler, Walbro WA55B carb, 245#'s. Per [NKA tech](#) starting page 49.

All bodywork must be CIK-style in appearance and must meet WKA Manufacturer's Cup specifications. Front nose must be equipped with a CIK-homologated pushback nose system with a maximum of two CIK-homologated clamps.

Junior

12-15 years, Open tire rule using 4.5 front & 6.0 rear tires, RLV SSX-V #7548 can muffler, Walbro WB3A carb, 320#'s. Per [NKA tech](#) starting page 49.

All bodywork must be CIK-style in appearance and must meet WKA Manufacturer's Cup specifications. Front nose must be equipped with a CIK-homologated pushback nose system with a maximum of two CIK-homologated clamps.

Senior Supercan

15+ on age, Open tire rule using 4.5 front & 7.1 rear tires. Gas and oil fuel. 355# minimum kart & driver weight. . Per [NKA tech](#) starting page 49.

100cc Stock Yamaha KT100S. Walbro WB3A carb. Must use RLV-SSX stock box muffler only. RLV-SSX box muffler must be original unaltered part #7548 (the can with four outlet holes spaced 90 degrees to each other) or part #7543 (the can with the four outlet holes evenly spaced between the 12 and 3 o'clock positions) or Part #7540 (4 holes, holes up).

All bodywork must be CIK-style in appearance and must meet WKA Manufacturer's Cup specifications. Front nose must be equipped with a CIK-homologated pushback nose system with a maximum of two CIK-homologated clamps.

Are you a karter from another area thinking about trying out Sugar River Raceway? Bring us three (3) entries and you can make the class that is not on our class listing. Be it KA100 or some version of TAG.