



## 2025 FV Tire Survey

It is recommended that this preamble be read well and considered while the survey

The survey concerns tires being considered to be run in SCCA FV U.S. Majors and/or Regional events.

Please answer the survey questions accordingly. All questions are related to racing Formula Vee cars, and not a different class.

This survey is being conducted partially in response to the CRB letters regarding the FV tires received in recent months. The letters are varied, but some letters ask about FVs with radial tires, as described below, being run alongside of FVs with the FVS slicks to increase participation at U.S. Majors events, while acknowledging that the cars running radial tires would not be competitive with the cars running slick tires. The survey covers the range of concerns and requests contained in the letters received.

### TIRE/WHEEL COMBINATIONS:

The survey concerns questions regarding the following tire/wheel combinations:

Combination	Tire	Wheel	Weight Designation
A	GCR FVS Slicks	GCR Steel Wheels	Slick/SW Weight

B	GCR FVS Slicks	Aftermarket Wide Wheels	Slick /AWW Weight
C	Hoosier R55A Slicks	GCR Steel Wheels	Slick/SW Weight
D	Hoosier R55A Slicks	Aftermarket Wide Wheels	Slick /AWW Weight
E	Treaded Race Radials	Aftermarket Wide Wheels	TRR/AWW Weight
F	Treaded DOT Radials	Aftermarket Wide Wheels	TDR/AWW Weight

### TIRE DEFINITIONS:

#### - GCR FVS Slicks:

The spec Hoosier tires as defined in the GCR.

- FVS slicks
- WET or W3 rain tires

#### - Hoosier R55A Slicks:

The Hoosier R55A tire is the predecessor to the FVS slick. Many writers state that they prefer the greater grip and the predictability of the fall-off of the R55A over the FVS slick.

- Hoosier R55A Slicks
- WET or W3 rain tires

#### - Treaded Radials: Two tire type options:

The treaded radial tire types considered for this survey are a “Race Radial” or a “DOT Radial.”

- DOT Radial: A DOT compliant radial tire that meets

U.S. Department of Transportation safety standards; however, they are not necessarily for highway use. Examples: Currently Challenge Cup and Driverz cup use the Yokohama Advan A052 195/50/R15 86V, and the Canadian Formula 1200 uses the Falken Azenis RT 615, RT 615K, or RT 615K+ 195/60/R14.

· Race Radial: A non-DOT compliant radial tire.

An expectation for this survey is that a race radial could be built significantly lighter than a DOT radial and that this would influence the feel and experience.

Example: Hoosier has been working on the development of a race radial for Formula Vee.

Radial tires of sizes: 165/50/15 (front only), 195/50/15 or 205/50/15 (front or rear)

Rain Tires: Treaded tires would not have the ability to handle the severe rain rates that a dedicated rain tire could but can handle light rain rates due to their siping. A dedicated rain tire may be proposed for those who want to run more safely in the higher rain rate scenarios.

· General Tire Considerations:

- Slicks are generally lighter, more responsive, and reward the more skilled driver. Slicks require companion rain tires for rain events.
- Treaded tires, to get similar grip performance, are substantially larger and weigh more. The size affects top speed, the weight affects acceleration, deceleration, and feel, and the treaded construction affects feel. The treaded nature of the construction results in a more “forgiving” tire.
- The treaded radials, primarily due to their larger size and contact patch, are expected to have a longer life when compared with the standard Combination A tire/wheel set.
- Treaded radials may not require the purchase of

dedicated rain tires but may be limited to running in lighter rain rate conditions.

- Dedicated rain tires can handle significantly higher rain rates.

#### WHEEL DEFINITIONS:

##### - GCR Steel Wheels (SW):

Defined herein as FV allowed wheels as defined in the GCR.

##### - Aftermarket Wide Wheels (AWW):

A 5.5x15" Aluminum wheel.

Wheels must use the 5-bolt pattern or 4-bolt pattern as would be defined in the FV section in the GCR.

NOTE: GCR FVS Slicks run on Aftermarket Wide Wheels - Combination B

#### Alternative Tire/Wheel Combination for Consideration

Regarding this combination, there has been some testing where four rear FVS Hoosier slicks were run on the Aftermarket Wide Wheels. Early testing showed this to have a possibly significant performance advantage over the standard FV setup of FVS slicks on GCR FV steel wheels. The FVS tire on the wider rim puts more rubber on the ground and has a larger contact patch.

Such a setup has the possibility to provide a combination of improved performance, longer lifetime, and, if one size is used, four-tire rotation capability and the need for only one tire size.

#### WEIGHT CONSIDERATIONS

Some series that run the Treaded Radials on Aftermarket Wide Wheels have a minimum weight that is about 50 lbs more than the current FV GCR minimum weight. This is because some tire/wheel combinations increase the car weight by about 50 lbs over that of the FV GCR tire/wheel combination. In some questions, the survey will refer to the weight

designations in the table above for the different tire/wheel combinations or some other minimum weight.

1. Is it your preference to race a slick or treaded radial tire?

☐ Slick

☒ **Treaded Radial**

☐ No Preference

2. If the tire type is a slick, is it your preference to have a single spec tire or an open tire?

☐ Spec

☐ Open

3. If the tire type is a treaded radial, is it your preference to have a single spec tire or an open tire?

☐ Spec

☐ Open

4. Regarding the FV class, is it your preference that we run a single tire type in the class, two tire types, or any tire desired (tires open), where each tire uses the appropriate rim as mentioned at the outset?

- ☐ One spec tire type (be it a slick or radial tire) – slicks not on AWW (aftermarket wide wheels)
- ☐ One non-spec tire type (be it a slick or radial tire) – slicks not on AWW
- ☐ Two spec tire types (slick and radial tires) – slicks not on AWW
- ☐ Two non-spec tire types (slick and radial tires) – slicks not on AWW
- ☐ Two non-spec tire types (slick and radial tires) – slicks can be on AWW

5. If we ran two tire types concurrently in FV as mentioned in the previous question, with one being a slick and the other a radial, would you prefer the slick shod run the current minimum weight or add the 50 lbs so everyone runs the same weight?

- ☐ Slick-shod cars run the current minimum weight (1025 lbs)
- ☐ Slick-shod cars run the minimum weight of the radial-shod cars (1075 lbs)

6. Considering only a treaded radial, which is your preference to race?

- ☐ Treaded Race Radial
- ☐ Treaded DOT Radial
- ☐ No Preference
- ☐ I have no interest in racing a treaded radial

7. 1. Regarding a treaded radial, if a Treaded Race Radial has the same performance, but better feel (lighter and/or more responsive) and slightly shorter longevity, is it worth pursuing?

- ☐ Yes
- ☐ No

8. Considering only slicks, which is your preference to race?

- ☐ Combination A: GCR FVS Slicks, GCR Steel Wheels
- ☐ Combination B: GCR FVS Slicks, Aftermarket Wide Wheels
- ☐ Combination C: Hoosier R55A Slicks, GCR Steel Wheels
- ☐ Combination D: Hoosier R55A Slicks, Aftermarket Wide Wheels
- ☐ No Preference

☐ I have no interest in racing a slick

9. Considering only slicks, which is your preference?

☐ Allow only GCR Steel Wheels

☐ Allow only Aftermarket Wide Wheels

☐ No Preference

☐ Allow wheels to be open but limited to steel and aluminum.

10. U.S. Majors: Would you be in favor of allowing both a slick and a treaded radial to run simultaneously in SCCA FV U.S. Majors, under the assumption that the treaded radial may not have the performance capability of the slick?

☐ Yes

☐ No

11. Regionals/Divisionals: Would you be in favor of allowing both a slick and a treaded radial to run simultaneously in SCCA FV Regionals/Divisionals, under the assumption that the treaded radial may not have the performance capability of the slick?

☐ Yes

☐ No



## 12. FVS Slicks on Aftermarket Wide Wheels:









Do you support the idea of SCCA allowing the use of the Aftermarket Wide Wheels for FVS tires?

☐ Yes

☐ No

## 13. Rank the following by importance for a spec tire in FV: (1 is “Not Important”, 4 is “Very Important”)

Answer Options Not Important / Somewhat Important / Important / Very Important / N/A

- |  |                                     |
|--|-------------------------------------|
|  Initial purchase cost  | <div><div>^</div><div>v</div></div> |
|  Cost per useful heat cycle   | <div><div>^</div><div>v</div></div> |
|  Durability (overall useful heat cycles)  | <div><div>^</div><div>v</div></div> |
|  Ultimate Performance (lap times vs. current tires)                                       | <div><div>^</div><div>v</div></div> |
|  Consistency (minimum fall off between heat cycles)                                       | <div><div>^</div><div>v</div></div> |
|  Universal application (wet & dry with a single treaded tire)                             | <div><div>^</div><div>v</div></div> |
|  “At the Track” tire service for the FV spec tire.  | <div><div>^</div><div>v</div></div> |
|  Contingencies (Manufacturer offers free tires or tire discounts based on some criteria.) | <div><div>^</div><div>v</div></div> |

14. Regarding a spec tire, is it important to have “At the Track” tire service?

☐ Yes






















☐ No

15. Regarding a spec tire, is it important to have a guaranteed supply?

☐ Yes

☐ No



















16. Pick your top three reasons for attending any Formula Vee race weekend with any series.

- |   |   |
|---|---|
|  Convenience of schedule and track location  |   |
|  Competition level                           |   |
|  National Championship Runoffs Qualification |   |
|  Lower Entry Fee                             |   |
|  Single Class Run Group                      |   |
|  Slick Tire                                  |   |
|  Radial Tire                                 |   |

17. Assuming a longer lasting tire will not provide the same level of performance as the current tire, what reduction in lap time is acceptable based on safety concerns when running with other cars/classes in your run group?

- ☐ 0 - .99 Second
- ☐ 1 - 1.99 Seconds
- ☐ 2 - 2.99 Seconds
- ☐ 3 - 3.99 Seconds
- ☐ 4 - 4.99 Seconds

18. Rank your order of preference for a spec tire in FV: (first through sixth)

- |   |   |   |   |
|---|---|---|---|
|  | GCR FVS Slicks, with separate rain tires          |  |  |
|  | Hoosier R55A Slicks, with separate rain tires     |  |  |
|  | Treaded DOT Radials, without separate rain tires  |  |  |
|  | Treaded DOT Radials, with separate rain tires     |  |  |
|  | Treaded Race Radials, without separate rain tires |  |  |
|  | Treaded Race Radials, with separate rain tires    |  |  |

## 19. Tire sizes - what is your preference

- ☐ Use a single tire for both front and rear to reduce costs
- ☐ Stay with different front and rear tires giving the driver the option (fronts/rears, or all rears)

## 20. If you run the FVS tire, how many heat cycles does it last before having more than 0.5 second fall off?

- ☐ 1 - 5
- ☐ 6 - 8
- ☐ 9 - 12
- ☐ 13 - 16
- ☐ 17 -
- ☐ N/A

## 21. What is the largest limiting factor to you attending the Runoff's as a Driver?

- ☐ Event cost. (Travel, lodging Entry Fee etc.)
- ☐ Event Length
- ☐ Runoffs qualification requirements
- ☐ Current spec tire
- ☐ I prefer to run with other organizations

22. If you don't currently attend Runoffs and SCCA moved to a tire that lasted the entire season with zero to minimal performance loss, how many Runoffs would you attend in the next 5 years?

- ☐ 0
- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ N/A - I currently attend the Runoffs

23. If you do currently attend Runoffs and SCCA moved to a tire that lasted the entire season with zero to minimal performance loss, how many additional Runoffs would you attend in the next 5 years?

- ☐ 0
- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5

☐ N/A – I currently do not attend the Runoffs

24. Did you race in SCCA FV (including Northeast FVR) in 2024?

☐ Yes

☐ No

25. Do you plan to race in SCCA FV (including Northeast FVR) in 2025?

☐ Yes

☐ No

26. What is your SCCA member number?

27. 1. Do you consider yourself primarily a SCCA U.S. Majors or SCCA Regional Formula Vee driver?

(If you primarily run an alternative FV series like Driverz Cup, Challenge Cup Series, choose N/A.)

☐ SCCA U.S. Majors

☐ SCCA Regionals

☐ N/A

28. In How many SCCA U.S. Majors weekends did you race SCCA FV from 2019 to 2024 (last 6 years)?

- ☐ 0
- ☐ 1-5
- ☐ 6-10
- ☐ 11-15
- ☐ 16-20
- ☐ 21-25
- ☐ 26-30
- ☐ 31-35
- ☐ 36-40
- ☐ 41-45
- ☐ 46-50
- ☐ 51+

29. In how many SCCA Regional and Divisional weekends did you race SCCA FV (including Northeast FVR) from 2019 to 2024 (last 6 years)?

- ☐ 0
- ☐ 1-5
- ☐ 6-10
- ☐ 11-15

☐ 16-20

☐ 21-25

☐ 26-30

☐ 31-35

☐ 36-40

☐ 41-45

☐ 46-50

☐ 51+

30. How many times have you participated in FV at the Runoffs in the last 5 years?

31. How many times have you participated in FV at the Runoffs in the last 10 years?

32. If you run in the SCCA Northeast Regionals or Divisionals, how many events in each category did you race in in 2024?

FV:



FVR:

N/A

33. Do you run primarily SCCA FV (including Northeast FVR) or an alternative FV series like Driverz Cup or Challenge Cup Series?

- ☐ SCCA FV (including Northeast FVR)
- ☐ Alternative FV series
- ☐ Almost evenly split

34. What FV series is your primary series?

- ☐ SCCA FV (including Northeast FVR)
- ☐ Driverz Cup
- ☐ Challenge Cup
- ☐ Pacific Challenge Cup
- ☐ Other FV Series

35. How many events in each category did you race in 2024?

SCCA FV  
(including  
Northeast  
FVR):

Driverz  
Cup:

Challenge  
Cup:

Pacific  
Challenge  
Cup:

Other FV  
Series:

36. How many events in each category do you plan to race in 2025?

SCCA FV  
(including  
Northeast  
FVR):

Driverz  
Cup:

Challenge  
Cup:

Pacific  
Challenge  
Cup:

Other FV  
Series:

37. How many events in each category do you plan to race in 2026 if we run slicks in the SCCA FV class?

SCCA FV  
(including  
Northeast  
FVR):

Driverz  
Cup:

Challenge  
Cup:

Pacific  
Challenge  
Cup:

Other FV  
Series

38. How many events in each category do you plan to race in 2026 if we run Radials in the SCCA FV class?

SCCA FV  
(including  
Northeast  
FVR):

Driverz  
Cup:

Challenge  
Cup:

Pacific  
Challenge  
Cup:

Other FV  
Series

39. How many events in each category do you plan to race in 2026 if we run FVS slicks and radials concurrently in the SCCA FV class?

SCCA FV  
(including  
Northeast  
FVR):

Driverz Cup

Challenge  
Cup

Pacific  
Challenge  
Cup

Other FV  
Series

Done

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