



THE NO. 1 TIRE CHOICE ON THE FARM DELIVERS MORE OPTIONS FOR BEST PERFORMANCE

NO OTHER BRAND DELIVERS MORE TIRE OPTIONS – BIAS, RADIALS, R-1s AND R-1Ws – WITH THE INDUSTRY’S BEST-PERFORMING 23° TREAD DESIGN. THESE TIRES OFFER MORE TRACTION*, SAVE TIME, USE LESS HORSEPOWER AND SAVE MORE FUEL COMPARED TO OTHER TIRE BRANDS.

Ask your Certified Firestone Farm Tire Dealer to help you choose a Firestone tire that works best for your needs and the soils on your farm.

WHEN SHOULD I BUY A BIAS TIRE?

Generally speaking, bias tires are preferred for utility tractors that do not perform major tillage operations, do not spend much time on the road and/or are operated lower hours per year. Factors such as expected time of ownership and age of the tractor may also influence this decision.

WHAT ARE THE BEST APPLICATIONS FOR RADIAL TIRES?

Radial tires have a larger footprint than comparably sized bias tires. This makes radials the leading choice where maximum traction is preferred, especially in heavy tillage situations. They also are more economical on tractors that have more hours of field time. Radials should also be considered for tractors that spend a lot of time on the road.

WHAT MAKES THE RADIAL A BETTER “ROAD TIRE” THAN THE BIAS TYPE?

Radial tires last up to 33% longer than bias tires on pavement. Bias tires tend to “squirm” on pavement and wear down much faster. The time a tractor spends on the road has a significant influence on the life of a tire.

IS THERE A DIFFERENCE IN TRACTION FROM BIAS TO RADIAL TYPE TRACTOR TIRES?

Yes. Radial tires have a larger footprint than bias type tires and therefore provide more grip. The radial benefits may not always be needed – such as for tractors used for light or non-tillage applications (pulling wagons, hauling bales). Also, the Firestone 23° long bar/long bar tread design is available on most radial and bias tire types – providing superior traction compared to tires with other tread designs.

WHAT IS THE DIFFERENCE BETWEEN AN R-1 AND R-1W?

Firestone R-1W tires have a deeper center (25% deeper) tread depth than R-1 tires. Many people assume that the deeper the lug, the better the traction, but this isn't necessarily true. Several factors, including soil type, play a significant role in the bar choice.

WHEN SHOULD AN R-1 BE CHOSEN VS. AN R-1W?

Firestone has extensively tested both tire types at its renowned Columbiana, Ohio research farm. Repeated tests show the Firestone R-1 23° bar tire has a traction advantage over the high-angle lug R-1W tires of other brands. R-1W lugs usually have a traction advantage on wetter soils and tillage conditions. R-1s have an economic advantage on most North American soil types. R-1Ws will generally wear longer than R-1 tires under normal operating conditions.

WHY DO SOME TIRE BRANDS OFFER ONLY THE R-1W TREAD TYPE?

Tires imported from Europe were developed for wetter European soil types. Extensive on-farm research of tire types, tread configurations and bar depth by Firestone proves that the R-1 tread bar is better suited for most North American soils and an economically viable option for farmers on this continent.

DOES TRACTOR TYPE PLAY A ROLE IN MY TIRE CHOICE?

Absolutely. 2-WD, MFWD and 4-WD tractors have significant differences in the ways they are used, how hard they are used, and also where and when (such as row crop vs. open field applications) that determine tire needs.

WHAT OTHER FACTORS SHOULD BE CONSIDERED IN CHOOSING A TRACTOR TIRE?

Along with tractor type, there are other considerations including expected time of ownership, hours of use per year, type of use, tractor age, tractor type, soil types, tillage practices, distance and frequency of road use, pavement vs. gravel and economics.

*On most North American soils.

