LOW SIDEWALL
(LSW) TECHNOLOGY
4WD TRACTORS, 2WD/MFWD TRACTORS, COMBINES, SPRAYERS, GRAIN CARTS

TITAN MOVES THE WORLD™
Tractors and combines are faster and heavier than ever before, but to take full advantage of their capabilities, you need the right wheel and tire assembly. A conventional wheel/tire assembly with a 70 percent aspect ratio has a tendency to bounce during road transport and hop in the field when put in high-draw-bar applications. With LSW, those issues are eliminated.

WHAT IS LSW TECHNOLOGY?
Low Sidewall (LSW) technology features a larger rim diameter and smaller sidewall than a standard tire, while maintaining the same outside diameter, inflation pressures and weight load capacity. The larger rim and smaller sidewall of LSW provides much greater stability for equipment.

EXPERIENCE THE GOODYEAR® ADVANTAGE
WITH THE STABILITY OF OUR LOW SIDEWALL (LSW) TECHNOLOGY

EXPERIENCE THE ...

Speed
LSW helps reduce bouncing and road loping, which results in increased transport speeds between fields, keeping your operation productive and profitable.

Smooth ride
LSW provides a smoother ride both in the field and on the road. The smaller sidewall reduces recoil and bouncing that results in road lope and power hop.

Stability
The increased rim diameter of LSW reduces machine sway, resulting in greater lateral stability on hillside conditions without the need to increase inflation pressures.

Safety
Less bounce and greater stability around curves results in improved operator comfort and safety.

Fuel economy
LSW reduces sidewall deflection, which helps increase the rolling circumference for improved fuel economy.
PROBLEMS SOLVED
LSW TIRES SOLVE THE PROBLEMS CAUSED BY STANDARD TIRES

ROAD LOPE

Definition: (n.), The bouncing and swaying of a tractor or combine during road transport, often caused by issues with the roundness of the tire, alignment of the assembly and the flexing of the sidewall.

Solution: LSW technology tires feature a shorter sidewall, which more quickly dampens bumps in the road, leading to less bouncing, quicker recovery time and reduced road lope.

POWER HOP

Definition: (n.), The bouncing of a tractor associated with high-draw-bar applications; a problem caused by the tire gaining traction as the sidewall flexes and recoils, resulting in uncontrollable bouncing of the tractor.

Solution: LSW technology tires feature a shorter sidewall, resulting in less sidewall recoil, more stability and reduced power hop.

SOIL COMPACTION

Definition: (n.), The result of soil particles being pressed together, often caused by the pressure of heavy field equipment. This can lead to undesirable effects on plant growth including smaller yields and lower quality.

Solution: LSW technology combined with Extreme Flotation™ size tires provides nearly 20 percent greater contact area, which reduces ground-bearing pressure and improves flotation, therefore reducing soil compaction.

“With the old tires, we dealt with turning problems and a rough ride. This setup is a much better ride with the air pressure. It’s made a big difference in the way the tractor operates.”

Gerald Foster
Tractor operator for Sackett Ranch
Stanton, Michigan

TESTED AND PROVEN

University testing shows that the 20 percent increase in contact area of the LSW super singles at lower inflation pressures reduces soil compaction when compared to a traditional dual setup.
### 4WD Tractors

High-horsepower tractors will experience less road lope, reduced power hop, improved transport speeds and smoother ride with LSW technology.

### Goodyear Optitrac and Super Traction Radial (STR)

- 25 percent deeper lug than standard R-1s
- 45-degree lug angle for traction and self-cleaning

<table>
<thead>
<tr>
<th>Size</th>
<th>Titan Part Number</th>
<th>Design</th>
<th>Load Rating</th>
<th>Inflation Pressure (psi)</th>
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### Goodyear DT930

- Extreme Flotation™ size offers 20 percent larger contact area than narrow duals
- Lower inflation pressures result in reduced soil compaction

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“*We put these tires on our tractor and it changed itself immensely. It was almost like having a new tractor.*”

Scott Petersen
Libertyville, Illinois
2WD/MFWD TRACTORS

Whether conducting pre-emergence field work or working in between the rows, Goodyear has LSW options that improve ride quality and turn radius, while reducing soil compaction, road lope and power hop in high-draw-bar applications.

**GOODYEAR OPTITRAC AND SUPER TRACTION RADIAL (STR)**

- Sizes for both front and rear positions
- 25 percent deeper lug than standard R-1s
- 45-degree lug angle for traction and self-cleaning

**GOODYEAR DT930**

- Extreme Flotation™ size offers 20 percent larger contact area than narrow duals
- Lower inflation pressures result in reduced soil compaction
- Designed for rear position in combination with OPTITERRA

**GOODYEAR OPTITERRA**

- Extreme Flotation™ size offers 20 percent larger contact area than narrow duals
- Lower inflation pressures result in reduced soil compaction
- Designed for front position in combination with DT930

### OPTITRAC AND SUPER TRACTION RADIAL (STR)

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<tr>
<th>Size</th>
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**DT930**

| LSW1100/45R46 | G8M716 | DT930 | TL    | 177A/B     | 23              | 16,100        | 38              | 43.3                 | 85              | 38.9                   | 251                    | 780             | 1274                | 77         |                      |

**OPTITERRA**

| LSW1000/40R32 | GPT53 | Optiterra | TL    | 172A/B     | 41              | 13,900        | 36              | 40.9E                | 65.1E           | 30E                    | 195E                   | 694E            | 910                 | 79         |                      |
GET THE LSW ADVANTAGE FOR YOUR EQUIPMENT

COMBINES AND GRAIN CARTS

Goodyear LSW tires reduce road lope and provide a smoother ride in the field. They’re built to withstand the heavy loads minimizing soil compaction.

GOODYEAR OPTITRAC AND SUPER TRACTION RADIAL (STR)

- Sizes for both front and rear positions
- 25 percent deeper lug than standard R-1s
- 45-degree lug angle for traction and self-cleaning

GOODYEAR DT930

- Extreme Flotation™ size offers 20 percent larger contact area than narrow duals
- Lower inflation pressures result in reduced soil compaction

GOODYEAR CUSTOM FLO GRIP

- Deep HF-4 tread designed for excellent flotation and traction in muddy conditions
- Sizes for both front and rear combine positions

OPTITRAC AND SUPER TRACTION RADIAL (STR)

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CUSTOM FLO GRIP

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Our team of field techs spans the United States and Canada, helping growers gain better performance from their farm tires — free of charge.

We offer:
- Tire / wheel run-out evaluation and adjustment for smoother riding
- Assembly change-overs
- Performance evaluations
- Inflation / maintenance recommendations
- Site assessment / tire selection recommendations

THE GRIZZ SQUAD • BOOTS ON THE GROUND

As sprayer tanks continue to grow to sizes in excess of 1,300 gallons, newer technologies are becoming essential for carrying the load and reducing soil compaction. With LSW, growers don’t have to make sacrifices in ride quality and stability.

**GOODYEAR OPTITRAC**
- 25 percent deeper lug than standard R-1s
- 45-degree lug angle for traction and self-cleaning

**GOODYEAR OPTITERRA**
- Extreme Flotation™ size offers superior flotation
- Lower inflation pressures and larger footprint result in reduced soil compaction
- For use on front position on spreaders

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**OPTITERRA**

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NO TIRE WORKS WITHOUT THE WHEEL — THEY ARE A TOTAL SYSTEM

Titan is the only company with the ability to design, test and produce both wheels and tires for agriculture, construction, forestry and mining markets.