

# PREVENT PINCH ROW COMPACTION WITH VF PLANTER TIRES

## WHAT IS PINCH ROW COMPACTION?

Pinch row compaction refers to the severe soil compression that occurs directly beneath the tires of heavy farm machinery.

## HOW PINCH ROW COMPACTION IMPACTS YOUR YIELD

When heavy equipment passes over wet soil, the weight exerted by the tires compresses the soil particles, reducing the pore space between them. This results in denser soil, creating a barrier that impedes root growth and water infiltration.

## STANDARD RADIAL VS. VF RADIAL

*The solution to overcoming the limitations of traditional tires lies in advanced tire technology. Very High Flexion (VF) tires are a massive achievement in reducing compaction.*

### STANDARD



### VF

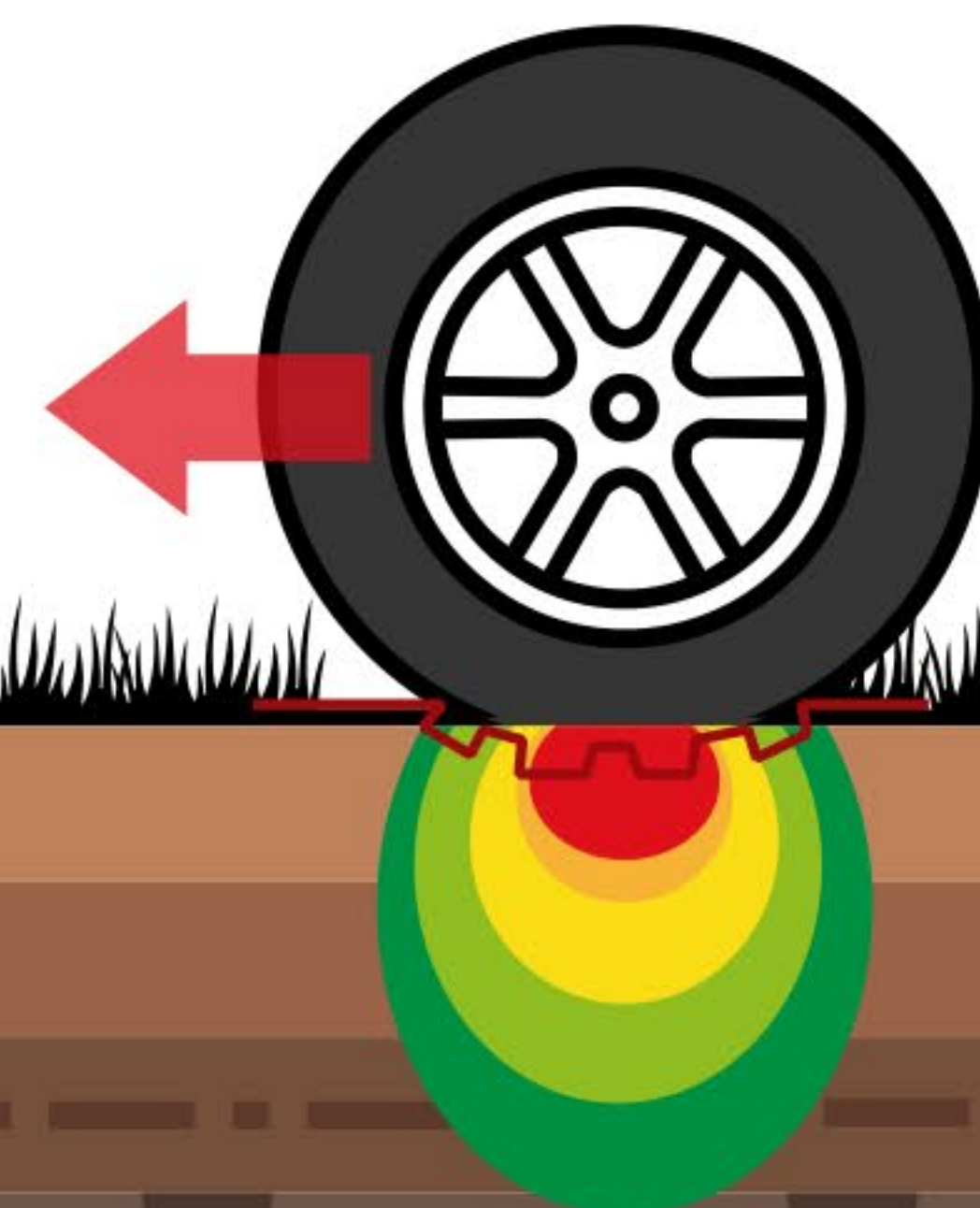


LARGER FOOTPRINT &  
LESSER SOIL COMPACTION

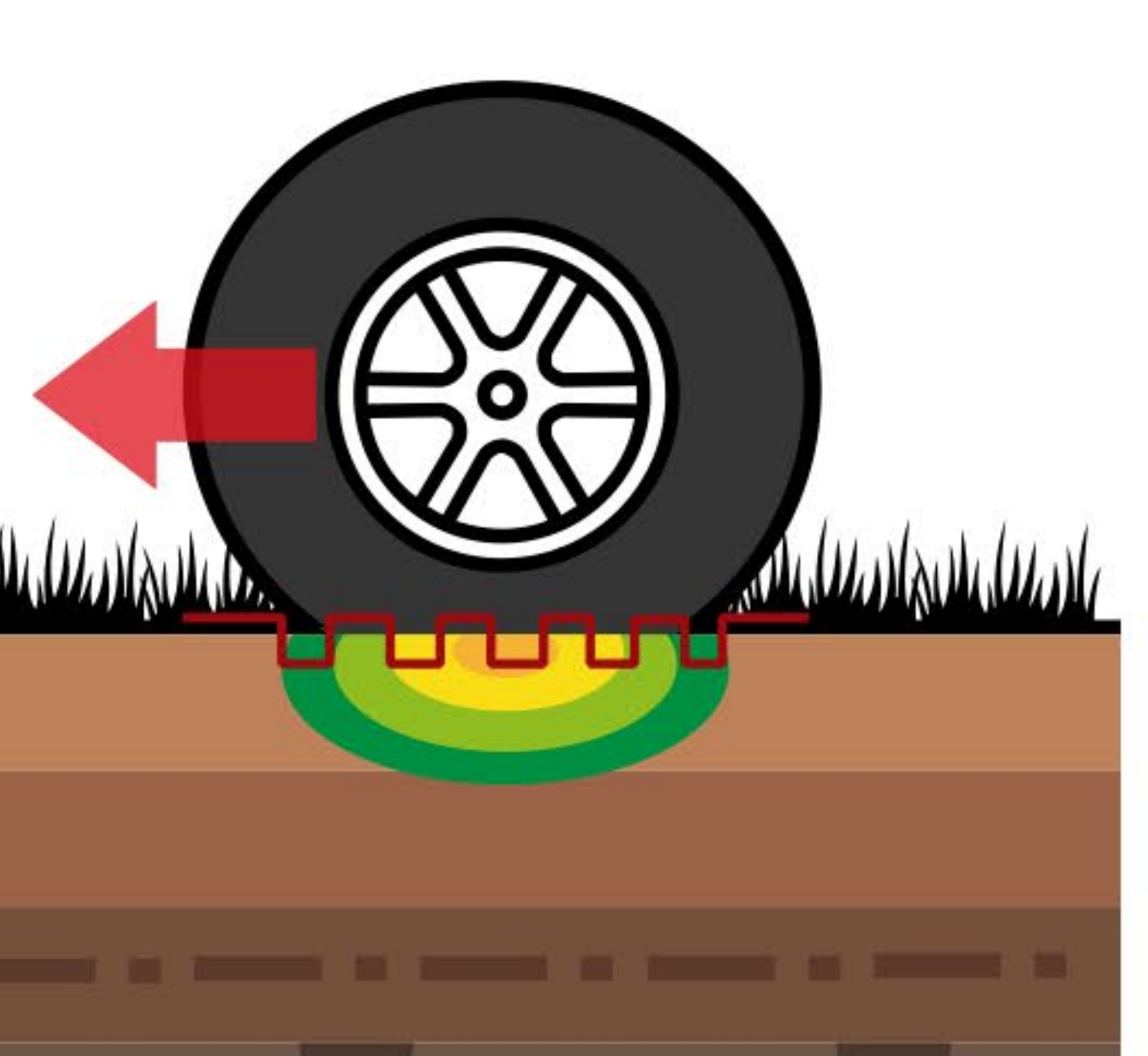
### STANDARD RADIAL TIRES

- Designed with a relatively stiff sidewall.
- Require a specific, often high, inflation pressure.
- Pressure dictates contact patch.

### STANDARD



### VF



### VF TIRES

- A much more flexible sidewall construction.
- Carry up to 40% more load at the same inflation pressure.
- Larger contact area with the ground.



#### OPTIMAL LOAD SPREADING

Broader distribution prevents severe compaction.



#### ENHANCED TRACTION

Larger footprint reduces slippage and fuel consumption.

## 4 WAYS VF TIRES TRANSFORM YOUR SOIL HEALTH



#### PRESERVING SOIL STRUCTURE

Lower ground pressure helps maintain the structure of the soil, enabling maximum soil health.



#### FACILITATING ROOT GROWTH

Less compaction allows roots to access more water and nutrients



#### IMPROVING WATER INFILTRATION

A well-maintained soil structure means consistent moisture throughout root zone.



#### SUSTAINABLE FARMING PRACTICES

Minimizing soil disturbance and preserving soil health contributes to long-term soil productivity and environmental stewardship.