

Incorrect Down Force is Costing You

Getting down force right while planting is a big factor in how a crop yields at harvest. Too much down force and sidewall compaction prevents good root system development. Not enough down force leads to inconsistent depth and uneven emergence. Put these two together and you can see why getting down force wrong can be so costly.

Down Force Requirements Vary Significantly Within Fields

As important as it is to get down force right, it isn't easy. What is right in one part of a field could be very wrong in another. Only a system that is continuously measuring and adjusting down force throughout the field will prevent the sidewall compaction and inconsistent depth that cost you yield.

AirForce Takes Control

Precision Planting's 20/20 system measures the down force requirements on the go and uses the AirForce system to adjust your planter's existing or newly installed air bags. By measuring and managing both Margin (excess weight on the row unit) and Ground Contact (the percentage of time with a minimum of weight present to guarantee depth and consistency), AirForce provides a planter-wide control solution to down force management problems.

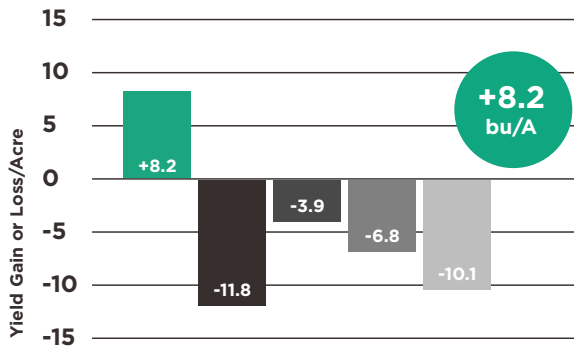


See The Difference

How much could incorrect down force be costing you?

Down Force Study

Becks®PFR AirForce 5 Year Study*



AirForce Variable Rate (auto mode) VS Manual Settings Compared to Field Average

■ AirForce Variable Rate ■ 0 Lb
■ 125 Lb ■ 250 Lb ■ 375 Lb

Good Down Force by the Numbers



Springs
65% or lower

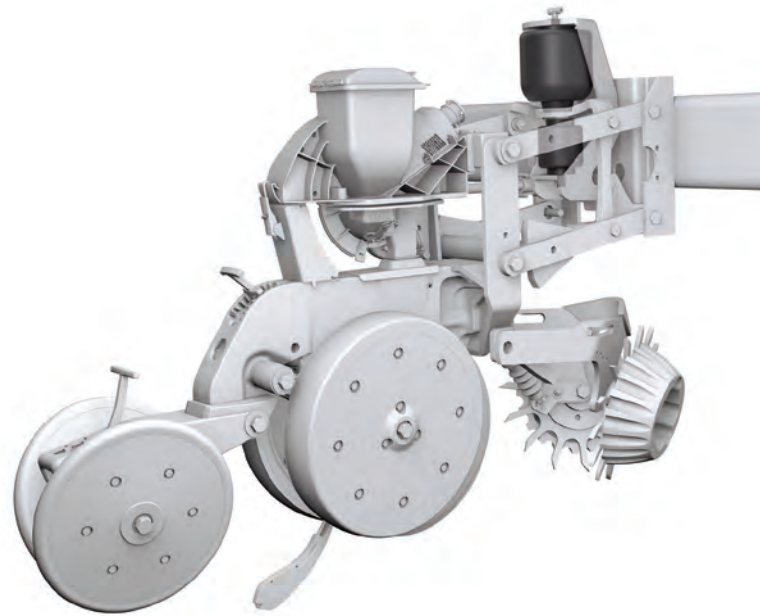


AirForce
85%



DeltaForce®
98%

Good down force is defined as the percent of time row units plant at depth without excess compaction. These results are a direct result of the control aspect: Mechanical springs are commonly adjusted only once per field, AirForce adjusts planter-wide once per second, DeltaForce adjusts each row individually 5 times per second.



Specifications

ROW UNIT

CASE IH® 1200/12X5
 GREAT PLAINS®
 JOHN DEERE® 7000/7100/7200/7300/17XX/
 DB/17X5/ExactEmerge
 KINZE® 2000/3000/4900
 MONOSEM®
 WHITE® 6000/8000/9000

HYDRAULIC REQUIREMENTS

3.5 GPM
 Closed center system
 2000 PSI minimum supply pressure
 Electric compressor option available for 12 rows or less

MAX DOWN FORCE APPLIED*

400 lbs down force
 200 lbs lift force

*Some systems are only capable of down force or lift force. Check compatibility guide for your specific planter.

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 BY TRIMBLE AGRICULTURE

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