

John Deere Active Pneumatic Downforce

Option Code 5130 Active Pneumatic Down Force Components



HYDRAULIC AIR COMPRESSOR



ROW UNIT AIR SPRINGS



STORAGE TANK & VALVE

- Upgraded Compressor Assembly to Hydraulic Driven
- Higher flow capacities and higher duty cycle
- 10 gallon Air Storage Tank(s) standard
- Additional Pneumatic Solenoid Control Valves added for Dual Rank Control

Down Force Control Differences

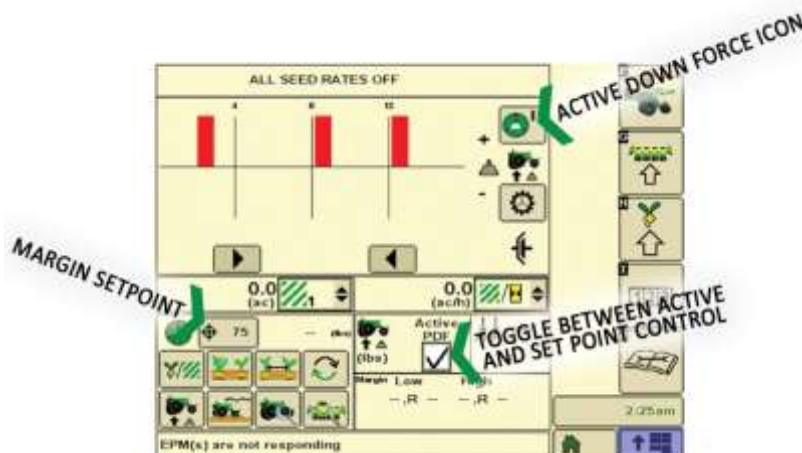


Pneumatic Down Force (Non-Active) – Operator must manually adjust Down Force to maintain target margin.

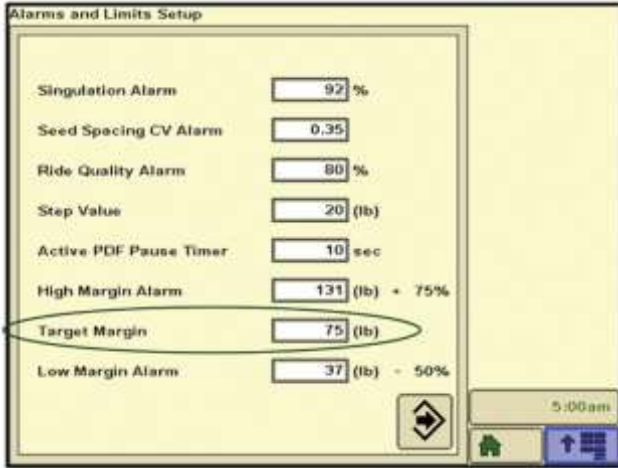


Active Pneumatic Down Force – Operator can adjust margin and system will adjust Down Force to maintain target margin.

Row Unit Down Force Margin (Set Point)

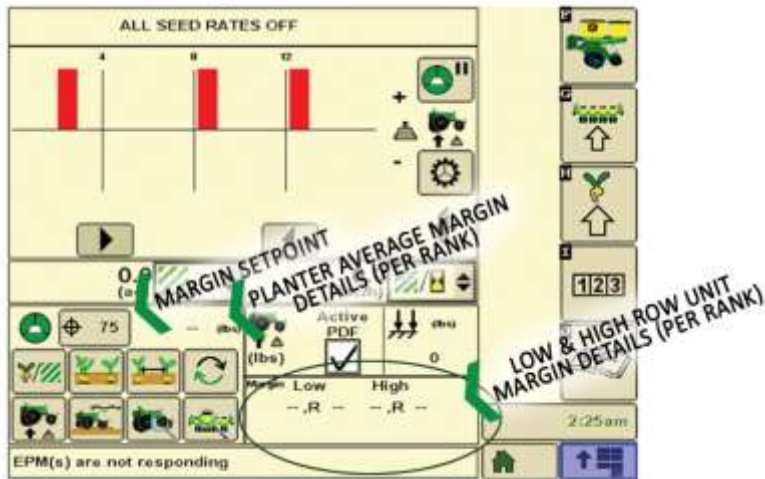


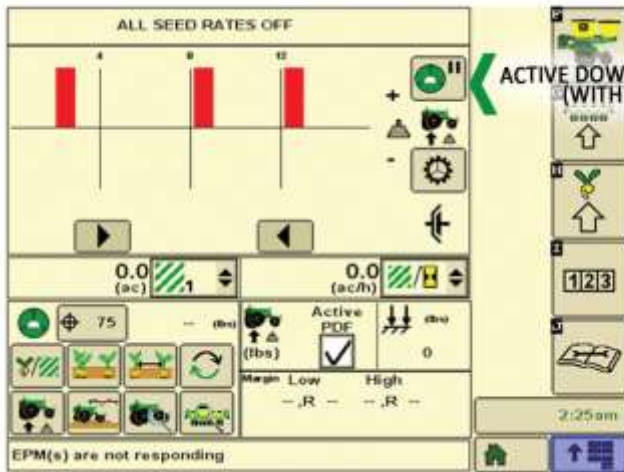
Row Unit Down Force Margin



Target margin is entered on the Alarms and Warnings setup screen (previously on Down Force Setup Screen) Factory Default Setting is 75 lbs

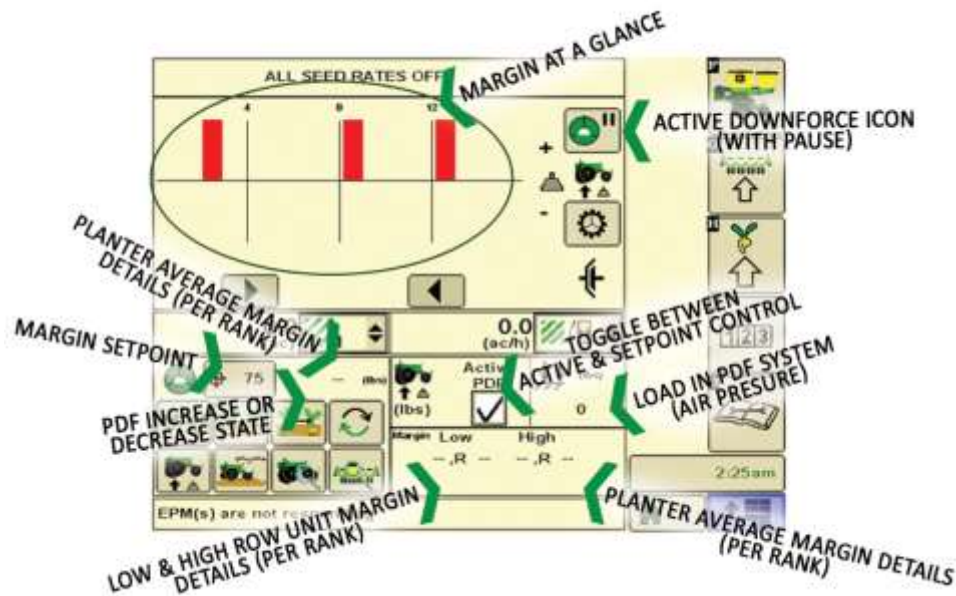
Down Force Run Page





Pause Icon will pause the Active Down Force. After hitting pause, you have to hit pause again to re-activate it.

Note : Pause is used in areas where you know limits will be reached. (e.g. old driveway or wet hole)



Dual Rank Control

Dual rank control enables the actual Down Force (bag pressure) to vary between ranks

- Front and rear ranks will control independently to the same margin
- Compensates for different tillage attachments, smart boxes, other attachments
- Available on split row planters 1790, DB60 47R15"

