

# SeederForce™

## Hoping Leaves us in the Dark

When you are seeding, there is very little information to tell the operator how consistently the sections are seeding; it isn't until you have a run completely blocked or run out of seed that you are alerted. Depth is also important to have knowledge of while seeding. Checking depth is tedious, and very few spots in a field are checked. You hope your weight is being managed correctly. It's painful to see seeds on top of the ground knowing the only options are to increase down force across the seeder or add weight to the frame.

## Coming Into the Light

With the 20|20 added to an air seeder, you have true visibility to row to row seeding distribution. Not just blockage sensing, 20|20 provides a map of which rows are over seeding and which rows are under seeding so that you can fix it. Combining seed and fertilizer? See instantly when one product runs out. The map will show you visually. Also, our proprietary down force sensors allow the operator to know how much weight is being carried on gauge wheels across the seeder, allowing the operator to make adjustments to set the down force on the seeder as well as possible.

## SeederForce

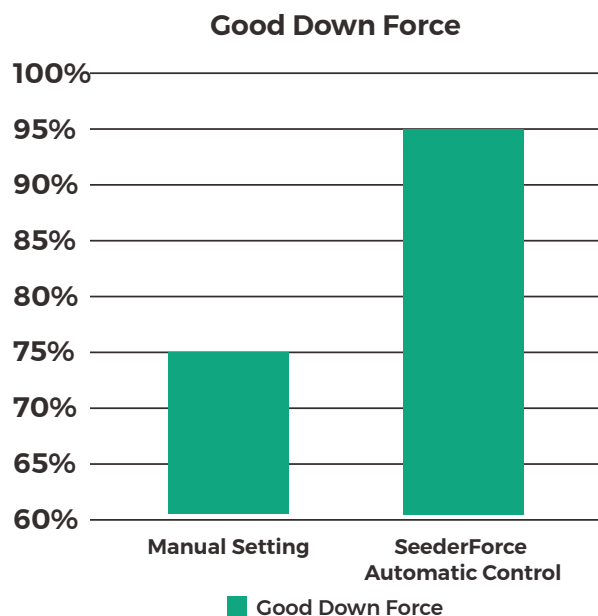
With 20|20 and down force sensors on each section as well as an automated hydraulic valve on each rockshaft, your seeder can start to utilize its weight wisely with SeederForce. Set a target gauge wheel weight, and when the down force sensors measure that a section is coming out of the ground, additional force is applied to that section. Another section carrying too much load on the gauge wheels? That section will automatically have less force applied to it so that the gauge wheels are not creating compaction in the root zone and inhibiting root growth. With SeederForce, each section gets the weight it needs, not more and not less, maximizing control of down force across the entire machine.

With SeederForce you're eliminating loss by having down force control.



# See The Difference

By automatically controlling the down force on sections of the seeder, the seeds are going to have their best chance to be at depth. Good root development is imperative to the yield that any plant will achieve because of being able to grow in a stress free environment and maximize nutrient and water uptake. Compaction created by the gauge wheels of the seeder limit root growth. With SeederForce, the percentage of seeds at seeding depth is drastically improved and compaction is drastically reduced when compared to a single, manual setting.



A dead mouse partially blocking a secondary. The mouse clearly had more than his share of seed treatment. With SeederForce you can catch these issues the moment they happen on the 20|20®.



## Compatibility

### ROW UNIT

JOHN DEERE® 60 Series/90 Series Air Seeders

Learn more at [precisionplanting.com](https://precisionplanting.com)

 Precision Planting®

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