



The Digital Ag Download

A quarterly eNewsletter with research updates, Precision Ag news, and digital tools for your farm.

2018 Research Report: Planting

As everyone is gearing up for planting, we thought we'd share some helpful hints and learnings from the past few planting seasons! Be sure to share this newsletter with anyone who may be interested; we hope you enjoy! – The Ohio State Digital Ag Team

Digital Agriculture at OSU



Planter Tips for 2018

With another spring planting season upon us, here are a few planter considerations before heading to the field. See below for some set-up tips as well as some useful apps for evaluating planting performance.

Planter Set-up Tips

Pinch Row Compaction Study

Central-fill planters have added a lot of weight and can potentially cause compaction issues. Senior Research Engineer Andrew Klopfenstein talks about pinch row compaction in a recent article by Corn and Soybean Digest.

Pinch Row Compaction



Calibrate Starter Fertilizer System



If you're considering putting out starter this spring, be sure to take the time to calibrate the starter system. A simple calibration can go a long way in making sure starter is placed at the correct rate for every acre.

Jim Schwartz of Beck's Hybrids offers some insights and advice on proper calibration of starter.

Starter Calibration

2018 Pre-plant Tech Checklist:

- Perform steering calibrations
- Load AB lines
- Import seed/fertilizer Rx's
- Update monitor and GPS firmware
- Renew needed subscriptions
- Back-up old data
- Ensure offsets set correctly
- Check wiring harnesses



2017 eFields Report

Seeding Rate Studies:

Corn



Soybean



2017 Planting Trials:



[High Speed Planting](#)

The Digital Ag Team has a reputation for pushing the envelope, and this year we planted at 18 mph!

Learn more about the yield results below:

[View Study](#)



[Pinch Row Compaction in Soybeans](#)

Increasing equipment weights have also increased concern for plants seeded near the wheels or tracks of the equipment.

We evaluated these effects on soybean production below:

[View Study](#)



[Downforce Control in Strip-Till](#)

Planter downforce control systems have become a popular upgrade option for 2018.

We researched the impact of those systems on strip-till soybeans. Take a look below:

[View Study](#)



Remember when we hosted #PlanterU in 2017? We're always providing research updates on our website for a variety of topics. If you'd like more information on our planting research click on the link below:

[Digital Ag Team Planter Resources](#)

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