DON'T FIND YOUR SEED DEPTH SET IT
SET-N-SEED

Revolutionizing Precision in Planting Depth Calibration

Tool simplifies setting row-to-row planter depth

NEW METHOD:

Pete Illingworth of the Purdue-Throckmorton Agricultural Center holds key pieces of the Set-N-Seed kit, used to check planter depth setting row by row.

ROW CHECK:

This is the 12-row, 15-inch splitter planter that Illingworth uses to plant trial plots for Purdue. He wanted to see if planter row units were all set to plant at the same depth before going to the field.

TEST KIT PREP:

With two yellow blocks in place on each side, the Set-N-Seed can determine the right T-handle setting to achieve a 2-inch planting depth. For Purdue trial plots, Illingworth set corn units at 2.5 inches and soybean-only rows at 1 inch.

DEEPEST SETTING:

Once the Set-N-Seed test unit is ready, the next step is moving the T-handle on the row to be checked to the deepest setting.

Tool simplifies setting row-to-row planter depth

BRING ON THE JACK

Because you can use a floor jack instead of a forklift, it's quicker and easier to check each row with this kit vs. boards. Checking 24 rows took about an hour.

LINE IT UP:

Illingworth lines up the floor jack and test kit, raising them until the gauge wheels rest on the yellow side rails.

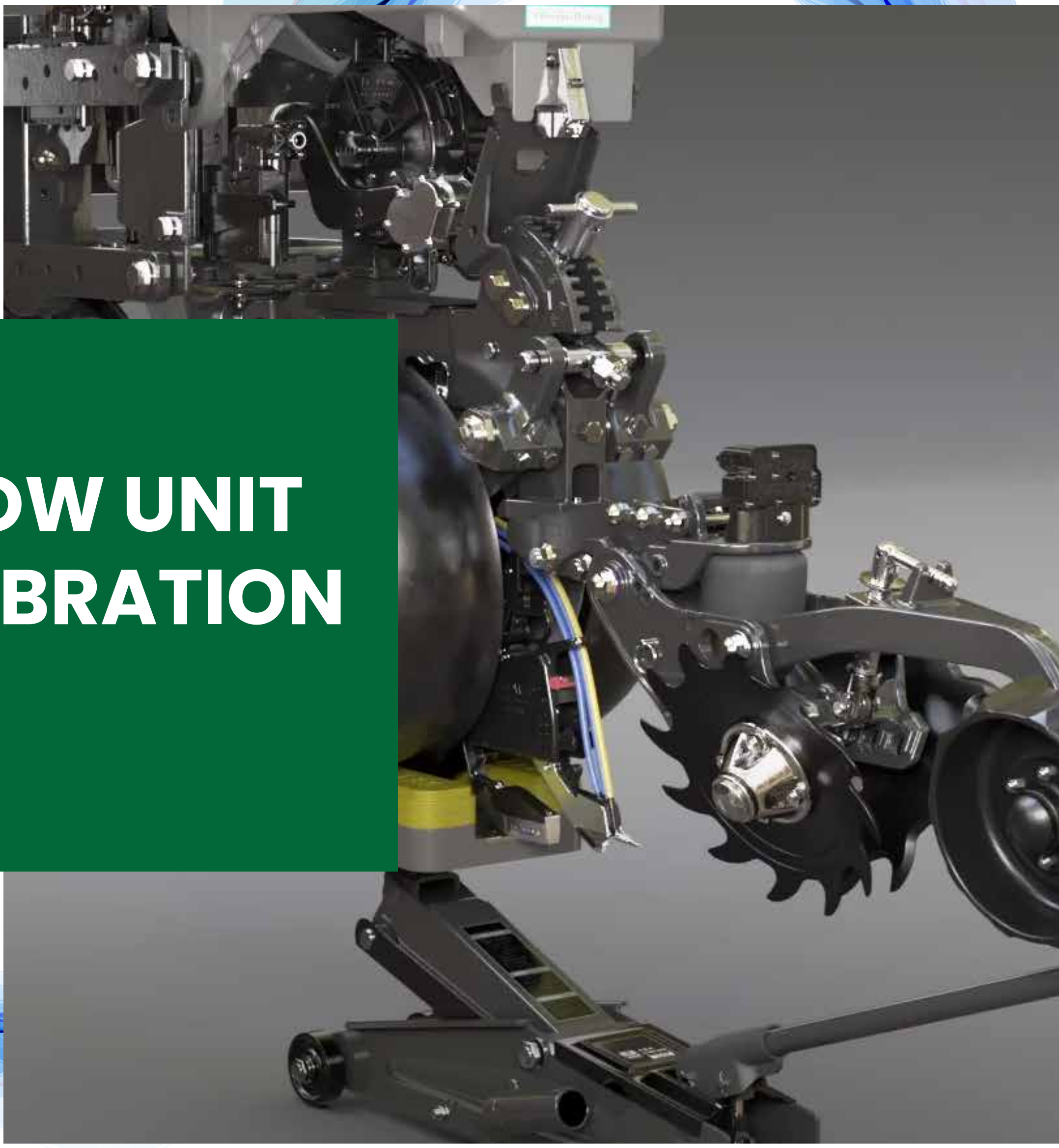
COMPARE SETTINGS:

The T-handle setting on the row Illingworth is pointing to is different from the setting on the row to the right. Both T-handle settings will achieve the same final planting depth. Illingworth will mark the correct setting for each row on the T-handle assembly.

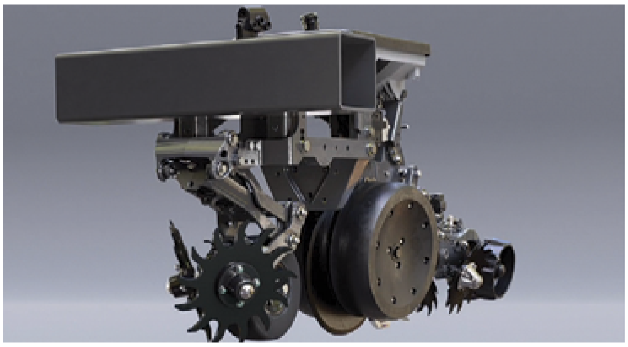
MOST COMMON SETTING:

Most soybean-only rows were set to plant 1 inch deep. A couple of rows required a different setting to achieve the same depth.

PLANTER ROW UNIT DEPTH CALIBRATION TOOL

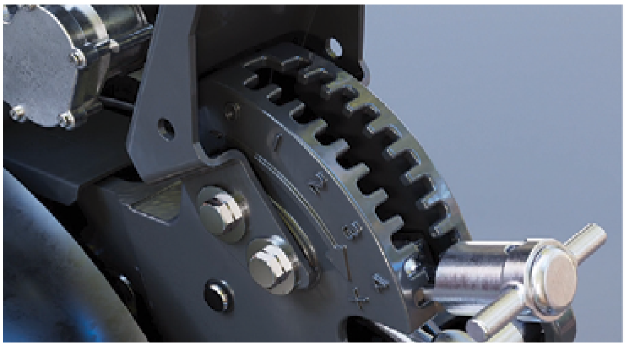


Quickly and accurately sets planter depth to specific depths between 0.5"-3” (No more guessing what depth the planter is set at!)
Creates a consistent depth across each row calibrated, eliminating variation caused by planter wear on disk openers, rocker arms, and gauge wheel arms



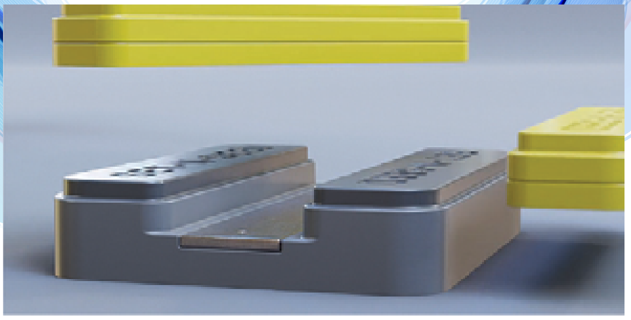
STEP 1

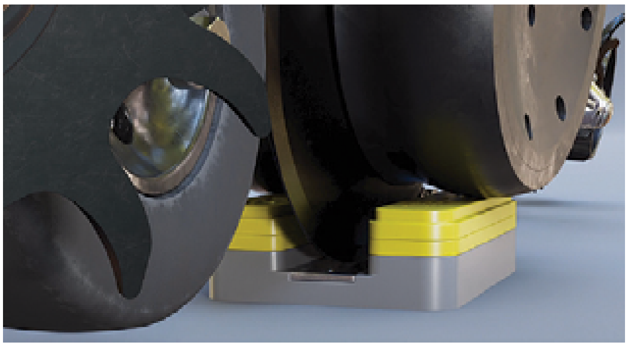
ON LEVEL GROUND, RAISE THE PLANTER 1 FT. FROM THE SURFACE



STEP 2

BRING THE T-HANDLE TO THE DEEPEST SETTING



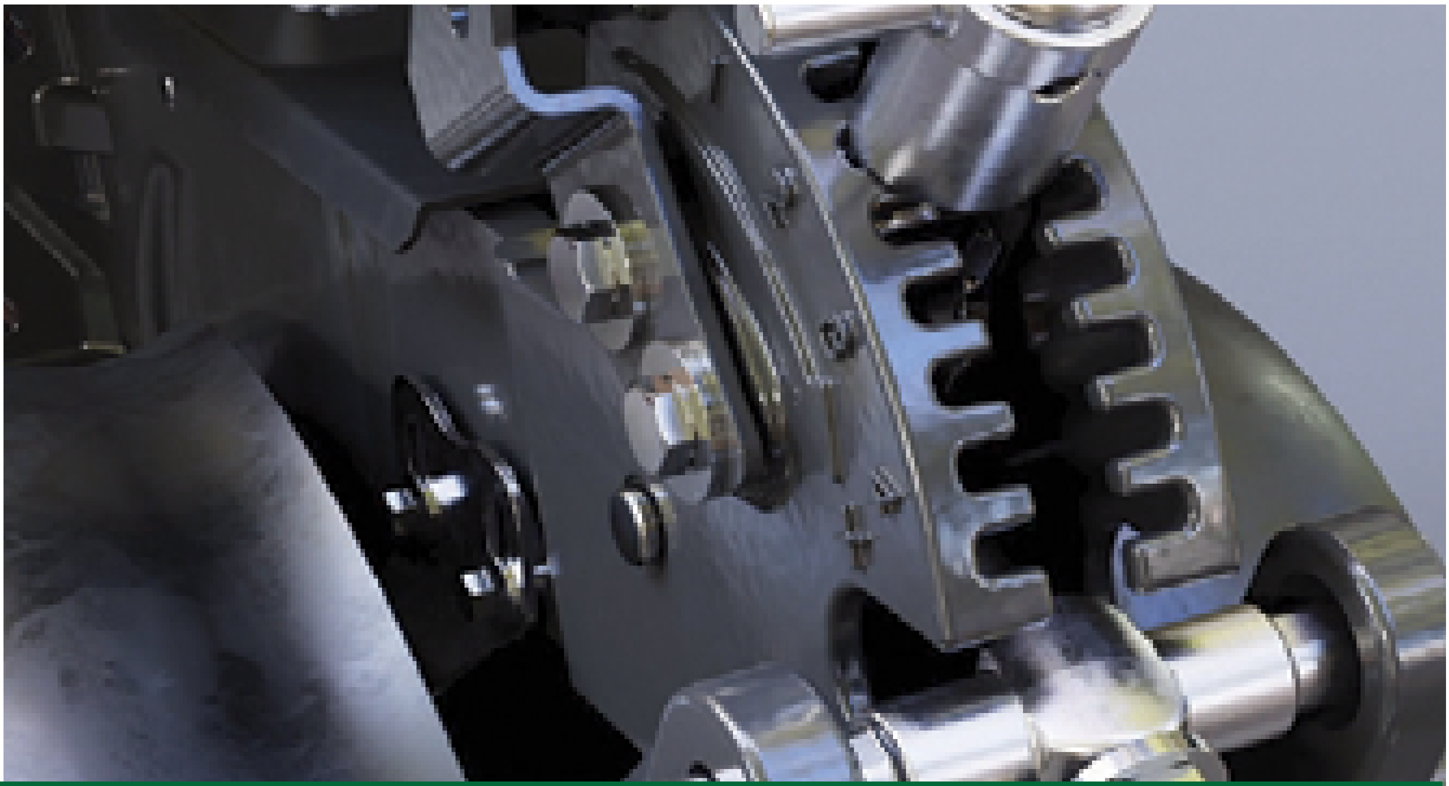


STEP 3

SET YOUR DESIRED PLANTING DEPTH BY UTILIZING THE 1" MAIN BLOCK OR BY ADDING THE 1/2 IN. STACKS TO INCREASE DEPTH. 1/2" CENTER ADAPTER AND 1/4" SIDE ATTACHMENTS MAY BE USED FOR A WIDER RANGE OF DEPTH ADJUSTMENTS.

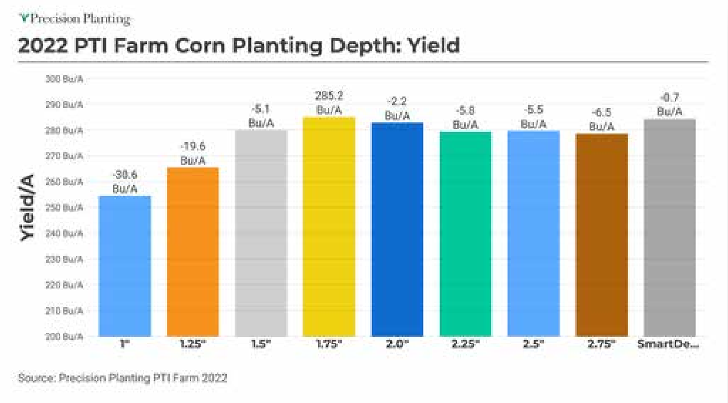
STEP 4

LOWER PLANTER UNIT DOWN ONTO SET-N-SEED OR RAISE SET-N-SEED UP UTILIZING A FLOOR JACK UNTIL PLANTER UNIT RISES.



STEP 5

BRING T-HANDLE TO THE SHALLOWEST SETTING. DISK OPENERS WILL BE CENTERED ON THE PROTECTIVE PLATE WHILE THE GUAGE WHEELS WILL HAVE PRESSURE ON THE SIDE RAILS. YOUR ROW UNIT IS NOW CALIBRATED TO YOUR SPECIFIC DEPTH. REPEAT THIS PROCESS ON THE REMAINING ROWS



Source: Precision Planting PTI Farm 2022

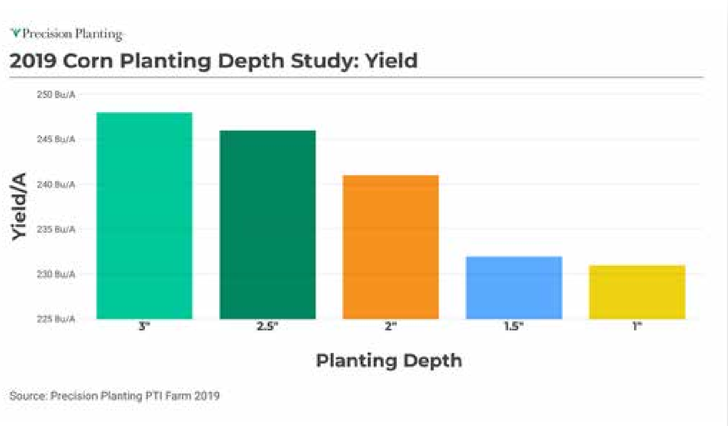
Word From Our Customers

Brian Kunz

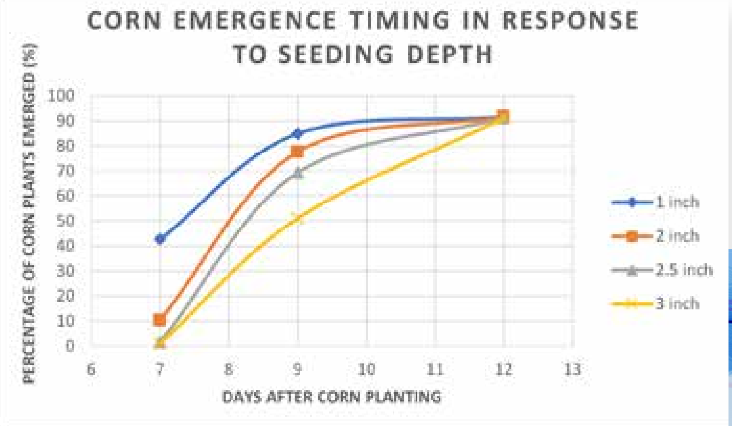
a farmer and Set-N-Seed user from Trenton, IL, highlighted the tool's ease of use and its ability to set planting depth accurately. "Before, I just had to use a two-by-four and hope it was the right height,' said Kunz. "This process made it so much simpler, easier, and faster to get the settings checked and make sure everything goes right. It's a time saver and I know when I use the Set-N-Seed it's setting it at exactly the correct depth."

Jeremy Harris

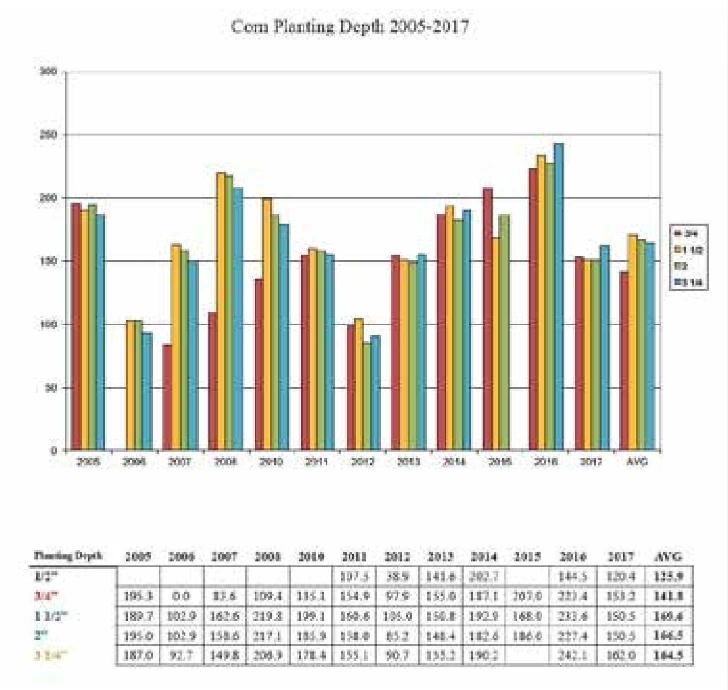
Precision Ag Specialist at Southern FS in Marion, IL, echoed those sentiments, highlighting Set-N-Seed's efficiency in depth true-ups, leading to reduced service labor charges and increased overall productivity. "On a 16-row planter, you can correct the depth settings in 10-15 minutes or less," he said. "That is a huge advantage especially in-season when growers are having depth issues due to incorrect settings."



Source: Precision Planting PTI Farm 2019



Palnting depth can directly affect yield depending on the soil envitonment and moisture conditions. By checking soil conditions first, you can set the depth of the planter to the correct depth utilizing the Set-N-Seed saving valuable time out in the field.



Planting Depth	2005	2006	2007	2008	2010	2011	2012	2013	2014	2015	2016	2017	AVG
1/2"						107.5	38.9	141.6	202.7		144.5	120.4	125.9
3/4"	195.3	0.0	83.6	109.4	135.1	154.9	97.9	155.0	187.1	207.0	223.4	153.2	141.8
1 1/2"	189.7	102.9	162.6	219.8	199.1	160.6	105.9	150.8	192.9	168.0	233.6	150.5	169.4
2"	195.0	102.9	158.6	217.1	185.9	158.0	85.2	148.4	182.6	186.0	227.4	150.5	166.5
3 1/4"	187.0	92.7	149.8	208.9	178.4	155.1	90.7	155.2	190.2		242.1	162.0	164.5

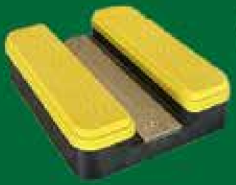
11 Total Depth Adjustments With Just One Tool


0.5" Seeding Depth:
(Use 1/2" Center Adapter)


0.75" Seeding Depth:
(Use 1/2" Center Adapter
+ 1/4" Side Attachment)


1" Seeding Depth:
(Use Main Block Only)


1.25" Seeding Depth :
(Add 1/4" Gray
Attachment)


1.5" Seeding Depth:
(Add 1/2" Yellow
Attachment)


1.75" Seeding Depth:
(Add 1/2" Yellow
+ 1/4" Attachment)


2" Seeding Depth:
(Add two 1/2" Yellow
Attachments)


2.25" Seeding Depth:
(Add two 1/2" Yellow Attachments
+ one Gray Attachment)


2.5" Seeding Depth:
(Add three 1/2" Yellow Attachments)


2.75" Seeding Depth:
(Add three 1/2" Yellow
Attachments
+ one Gray Attachment)


3" Seeding Depth:
(Add three 1/2" Yellow
Attachments + one Gray
Attachment On the Bottom)

By Utilizing the Adapters (Yellow 1/2" attachments, Gray 1/4" attachments, and the Black 1/2" center adapter), Accurate seeding depth from 0.5" to 3" can be achieved for a wide variety of crops.

This shows the Gauge Wheels on each side adjacent to the Disk Openers in the middle....

Our products work with the following brands;

- John Deere
- Kinze
- Case IH
- Harvest International
- AGCO
- Fendt
- Horsch
- Vaderstad
- Monosem

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