



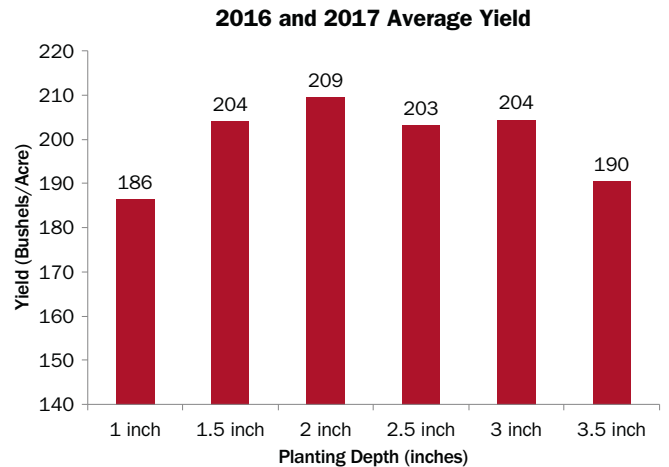
Depth of Planting Study (2016 and 2017 Results)

Six different planting depths were compared beginning at 1 inch and ending at 3.5 inches in half-inch increments.

Results: Agronomists have long argued that corn must be planted at least 1.5" deep for adequate nodal root development. This study confirms that notion with yield results.

Planting just one-half inch shallower than the 1.5 inch recommended minimum resulted in a 23 bushel per acre yield loss.

Planting depths from 1.5 to 3 inches deep allowed for uniform emergence and adequate nodal root formation. Ideal planting depth varied across our sites slightly due to moisture levels. In both 2016 and 2017, stand reductions were seen in the 1 inch and 3.5 inch planting depths, resulting in lower yields.



White Planters™ positively display planting depth at the depth control setting and allow row unit depth calibration by adjusting the bolt and jam nuts as shown in the photo to the right.



Equipment Solution: White Planters come standard with the most accurate depth control system in the industry. Rows may be calibrated prior to the season so that depth is accurate and known for all rows.

Payback: Up to \$80.50 improvement in return per acre.** Consider trade difference and number of acres of corn grown to calculate acres required to pay for improved depth control.

* 11 Sites: New Hampton, IA; Gridley, IL; Judson, MN; Winthrop, MN; Galva, IL; Aberdeen, SD; New Ulm, MN; Edgewood, IA; Amboy, IN; Jackson, MN; Estelline, SD

** Assumes 23 bushel per acre average yield advantage when planting at least 1.5" deep compared to 1" deep at \$3.5/bushel

