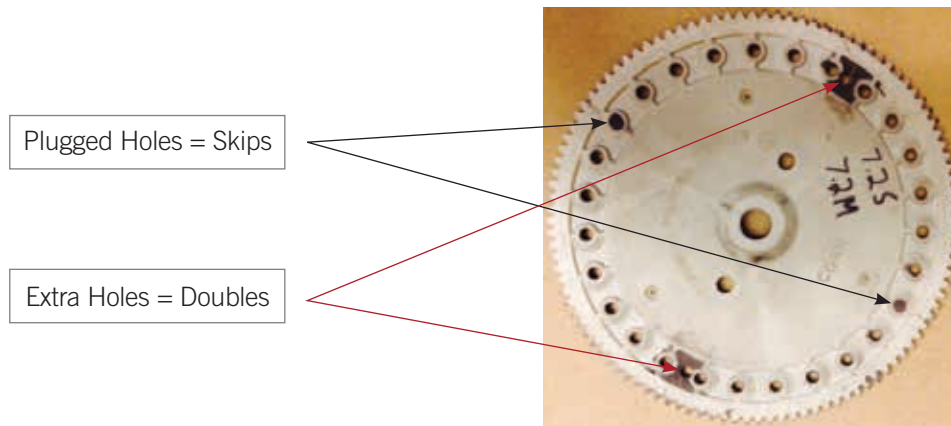




# Singulation Study

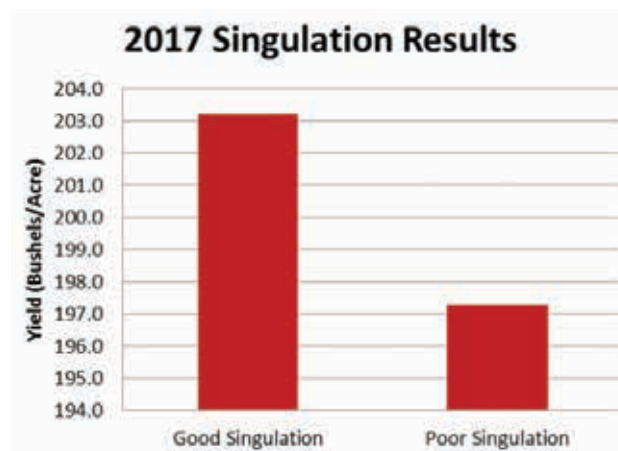
We modified seed disks to create doubles and skips in side by side plots. This created an average of 94.7% spacing accuracy vs. the control at 99.9%. Seed singulation ultimately impacts plant to plant spacing.



**Results:** Across seven sites\* there was an eight bushel per acre yield advantage due to a 7.9% improvement in seed singulation accuracy.

In 2017, White 9800VE Series planters that were part of Crop Tour planted over 5,500 acres of corn and averaged 99.7% singulation accuracy.

After two years of planting Crop Tour sites, we found that for every 1% in singulation errors results in about one bushel per acre loss to yield.



**Equipment Solution:** White Planters™ VE Series planters equipped with Vset meters and Vdrive.

**Payback:** \$28 per acre improvement in profitability.\*\* Consider trade difference and number of acres of corn grown to calculate acres required to pay for improved accuracy.

\* Summary Data from six crop tour sites: New Hampton, IA; Gridley, IL; Judson, MN; Winthrop, MN; Galva, IL; Aberdeen, SD; New Ulm, MN

\*\*Assumes eight bushels per acre yield advantage at \$3.5/bushel

