360 YIELD CENTER

# 2019 FIELD REPORT

## BANDING NITROGEN WITH 360 BANDIT VS BROADCAST

TREMONT, IL

### PURPOSE

There is a trend toward replacing preplant broadcast nitrogen applications with a banded on-planter application.

**These test plots compare yields between broadcast and 360 BANDIT applied nitrogen.** Total applied nitrogen was the same - timing and application method varied.

### RESULTS

**CORN AFTER SOYBEANS**

| TREATMENT | TOTAL N | 360 Y-DROP | 2019 YIELD | 2019 YIELD ADVANTAGE | 2018 YIELD | 2018 YIELD ADVANTAGE | 2-YEAR YIELD ADVANTAGE |
|---|---|---|---|---|---|---|---|
| Broadcast Preplant | 185 | 1X | **270.1** | | **281.5** | | |
| 360 BANDIT @ 26 gal | 185 | 1X | **274.5** | **4.4** | **289.4** | **7.9** | **6.15** |

**CORN AFTER CORN**

| TREATMENT | TOTAL N | 360 Y-DROP | 2019 YIELD | 2019 YIELD ADVANTAGE | 2018 YIELD | 2018 YIELD ADVANTAGE | 2-YEAR YIELD ADVANTAGE |
|---|---|---|---|---|---|---|---|
| Broadcast Preplant | 200 | 2X | **238.1** | | **243.6** | | |
| 360 BANDIT @ 26 gal | 200 | 2X | **246.9** | **8.8** | **267** | **23.4** | **16.1** |

### ★ KEY TAKEAWAY

**Over two years there has been consistent returns to banding nitrogen with the planter compared to broadcast applications.**

In corn-on-corn, the increases are more dramatic as broadcast nitrogen fails to overcome the “carbon penalty” that comes with the increase in corn residue.