

# ROW SPACING & BIOTECHNOLOGY

## CORN FOR GRAIN AND SOYBEANS PLANT POPULATION AND AVERAGE WIDTH INDIANA, 2006-2011<sup>1</sup>

| Year        | Corn for Grain    |                             |                 |                         | Soybeans          |                             |                               |
|-------------|-------------------|-----------------------------|-----------------|-------------------------|-------------------|-----------------------------|-------------------------------|
|             | Number of Samples | Average Row Width In Inches | Plants Per Acre | Number of Ears Per Acre | Number of Samples | Average Row Width In Inches | Number of Pods Per 18 Sq. Ft. |
| 2006        | 161               | 31.0                        | 26,350          | 25,750                  | 151               | 12.7                        | 1,909                         |
| 2007        | 171               | 30.1                        | 27,350          | 26,800                  | 165               | 13.9                        | 1,641                         |
| 2008        | 202               | 30.0                        | 28,350          | 27,700                  | 187               | 14.0                        | 1,659                         |
| 2009        | 152               | 29.7                        | 28,350          | 27,950                  | 159               | 14.9                        | 1,594                         |
| 2010        | 136               | 29.9                        | 28,350          | 27,750                  | 153               | 14.6                        | 1,879                         |
| <b>2011</b> | <b>136</b>        | <b>30.0</b>                 | <b>29,150</b>   | <b>27,750</b>           | <b>138</b>        | <b>14.8</b>                 | <b>1,635</b>                  |

<sup>1</sup> Data from Objective Yield Survey.

## BIOTECHNOLOGY VARIETIES

The National Agricultural Statistics Service conducts the June Agricultural Survey in all States each year. Randomly selected farmers across Indiana are asked if they planted corn or soybean seeds that, through biotechnology, are resistant to herbicides, insects, or both. Conventionally bred herbicide resistant varieties were excluded. Insect resistant varieties include only those containing bacillus thuringiensis (Bt). Stacked gene varieties include those containing biotech traits for both herbicide and insect resistance.

## BIOTECHNOLOGY VARIETIES, PERCENT OF ALL PLANTED ACRES INDIANA, 2006-2012

| Year        | Corn               |                       |                     |                        |                       | Soybeans           |                     |                       |
|-------------|--------------------|-----------------------|---------------------|------------------------|-----------------------|--------------------|---------------------|-----------------------|
|             | Acres Planted      | Insect Resistant (Bt) | Herbicide Resistant | Stacked Gene Varieties | All Biotech Varieties | Acres Planted      | Herbicide Resistant | All Biotech Varieties |
|             | <u>(000) Acres</u> |                       | <u>Percent</u>      |                        |                       | <u>(000) Acres</u> |                     | <u>Percent</u>        |
| 2006        | 5,500              | 13                    | 15                  | 12                     | 40                    | 5,700              | 92                  | 92                    |
| 2007        | 6,500              | 12                    | 17                  | 30                     | 59                    | 4,800              | 94                  | 94                    |
| 2008        | 5,700              | 7                     | 16                  | 55                     | 78                    | 5,450              | 96                  | 96                    |
| 2009        | 5,600              | 7                     | 17                  | 55                     | 79                    | 5,450              | 94                  | 94                    |
| 2010        | 5,900              | 7                     | 20                  | 56                     | 83                    | 5,350              | 95                  | 95                    |
| 2011        | 5,900              | 7                     | 22                  | 56                     | 85                    | 5,300              | 96                  | 96                    |
| <b>2012</b> | <b>6,200</b>       | <b>9</b>              | <b>15</b>           | <b>60</b>              | <b>84</b>             | <b>5,000</b>       | <b>93</b>           | <b>93</b>             |