Enogen®

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# Corn-on-Corn Crop Rotation Hybrid Ratings

Syngenta is committed to sharing agronomic knowledge with our customers to help them grow more corn. To help our customers get the most potential out of their continuous corn acres, our agronomic research team provides these corn-on-corn crop rotation hybrid ratings. To compile the ratings, the agronomic research team analyzed 1,540 Syngenta and third-party trial locations along with their knowledge of individual hybrids.

## Hybrid Ratings Explanation

Two key criteria are used to determine corn-on-corn crop rotation hybrid ratings:

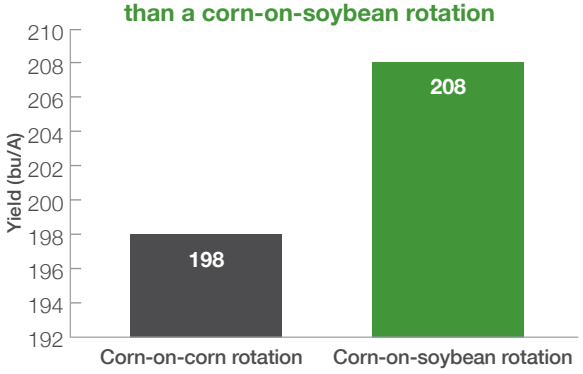
1. **Corn-on-corn yield retention data** – calculated by comparing each hybrid's yield in a corn-on-corn rotation versus a corn-on-soybean rotation, which was then compared to the average corn-on-corn yield retention of all hybrids tested
2. **Hybrid agronomic characteristics** – characteristics include early season vigor, root characteristics and disease tolerance

The corn-on-corn crop rotation hybrid ratings obtained were categorized into three areas based on Syngenta agronomist observations: **BEST** – Better than most hybrids for corn-on-corn; **GOOD** – Average compared to other hybrids for corn-on-corn and **FAIR** – Below average compared to other hybrids for corn-on-corn.

## Additional Corn-on-Corn Management Considerations

1. Most importantly, select locally-adapted hybrids (independent of the corn-on-corn rotation hybrid ratings)
2. Increase nitrogen rates due to reduced nitrogen availability
3. Select the most productive fields for a corn-on-corn rotation to lessen the yield penalty
4. Use a premium seed treatment such as Avicta® Complete Corn nematicide/insecticide/fungicide to protect from an increased risk of soil-borne seedling diseases and secondary insect pests and nematodes, due to cooler and wetter soils from increased crop residues

**A corn-on-corn rotation often produces less yield than a corn-on-soybean rotation**




Source: 2008 to 2015 Syngenta & 3rd party trials with approximately 11,000 direct comparisons

5. Due to an increased risk of foliar disease inoculum in residue, select hybrids with good foliar disease tolerance and/or use Quilt Xcel® or Trivapro® fungicides
6. Anticipate and manage for increased corn rootworm pressure by selecting a hybrid with trait protection against corn rootworm such as Agrisure Duracade® 5122 E-Z Refuge® hybrids. Check with your local extension service if your state recommends a soil-applied insecticide for corn rootworm control, such as Force® 6.5G or Force Evo insecticides, in addition to rootworm-protected hybrids for a corn rootworm resistance management strategy.

**Corn growing in residue-heavy field**

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## Enogen® Corn Hybrid Corn-on-Corn Crop Rotation Hybrid Ratings

| Enogen Hybrid Series | Relative Maturity (RM) | Corn-on-Corn Rating |
|---|---|---|
| E082M4 | 82 | Good |
| E084B9 | 84 | Fair |
| E085A3 | 85 | Good |
| E086J9 | 86 | Best |
| E092T4 | 92 | Good |
| E095D3 | 95 | Good |
| E096V9 | 96 | Good |
| E097X4 | 97 | Good |
| E098R0 | 98 | Fair |
| E101P5 | 101 | Best |
| E105T1 | 105 | Good |
| E106N8 | 106 | Fair |
| E106Q6 | 106 | Good |
| E107B3 | 109 | Good |
| E109R3 | 109 | Good |
| E109Y2 | 109 | Fair |
| E111A3 | 111 | Good |
| E111B8 | 111 | Good |
| E111F1 | 111 | Good |
| E112J1 | 112 | Good |
| E113D3 | 113 | Best |
| E113N8 | 113 | Best |
| E113Q6 | 113 | Best |
| E114H6 | 114 | Good |
| E116K4 | 116 | Good |
| E118D8 | 118 | Best |
| E118H2 | 118 | Good |

**Corn-on-Corn Crop Rotation Hybrid Ratings Key:** Best | Good | Fair

*Ratings based on Syngenta agronomic observations.*

For more information about Enogen corn hybrids, contact your Golden Harvest® Seed Advisor, NK® retailer, or visit **www.Enogen.com**

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SLC 11680A 03-2019