



**Grow With Confidence**

**CONTACT:**

## Best Practices #05: Optimum Weed, Pest and Disease Control

Like conventional soybean/corn rotation operations, corn-on-corn growers have to contend with these same three issues. The management practices employed are not always the same, however, and growers should consider:

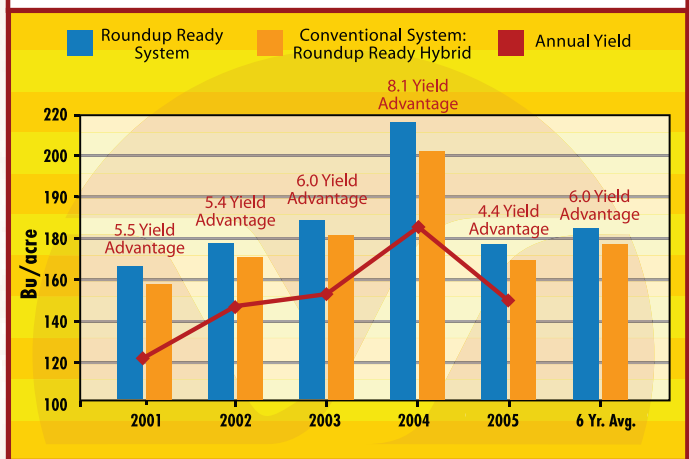
- Genetic traits are a first-line insect and weed management control. Increased rootworm and disease pressure are common with corn-on-corn growing environments. Select hybrids with optimal defensive characteristics. Depend on your AgVenture Regional Seed Company salesperson to help match traits to your fields and pressures.
- Use seed treatments to aid in stand establishment and seedling disease prevention. AgVenture Security™ seed treatment contains Maxim® + Apron® + Poncho® 250 + Trilex®. Research shows that Security™ treated seed produced

### SECURITY™ Is Effective On:

- ✓ Seed Corn Maggots
- ✓ White Grubs
- ✓ Grape Colaspis
- ✓ Billbug
- ✓ Black Cutworms
- ✓ Thrips
- ✓ Corn Rootworm
- ✓ Fire Ants
- ✓ Flea Beetle
- ✓ Wireworm

1000-3000 more ears per acre at harvest compared to untreated check plot.

### ROUNDUP READY® SYSTEM ADVANTAGES



Monsanto, 2006

- Foliar fungicides may offer benefits with corn-on-corn production. When properly applied (i.e., hybrids, product, timing), a farmer might expect a bushel of corn return for every dollar invested. This will vary depending on your growing region and seed maturity rate. Timing is critical. For instance, growers in Iowa and most of Illinois might consider:

Preventatives (July 1-15th)  
Headline®, Quadris®

Combos (July 15th – 25th)  
Stratego®, Quilt®

Check with your ag retailer for specific recommendations for your growing area.

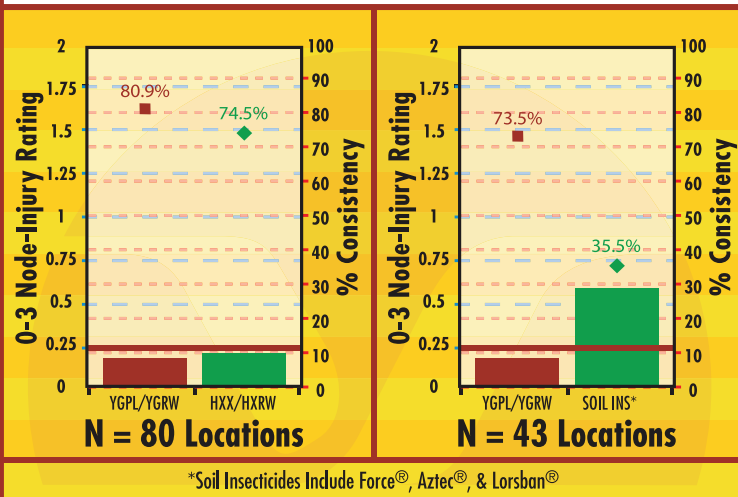




- Evaluate YieldGard® trait varieties to combat corn borer and corn rootworm. Roundup Ready® traits are excellent at helping reduce herbicide stress and controlling weeds.
- In most production areas, the use of an insecticide (i.e., granular, liquid or seed delivered) can be effective for corn rootworm and control of secondary pests such as grubs, wireworms, black cutworms, etc. Another bonus: There are no adverse herbicide interactions with any of these products.

### ROOT DAMAGE RATINGS (RDR) YGRW/YGPL vs. COMPETITIVE OPTIONS

% Consistency is the percentage of roots that were rated below a 0.25 on the node-injury scale. 0.25 is the commonly accepted economic threshold.



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**Bottom Line:**  
Pest and weed control practices require similar – if not more vigilant – management during corn-on-corn production. Find what works, and make sure applications are consistent.



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