

Genuity® Roundup Ready 2 Yield® Frequently Asked Questions

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ROUNDUP READY 2 YIELD®
SOYBEANS



What are Genuity® Roundup Ready 2 Yield® soybeans and how do they provide higher yield opportunity?

Genuity® Roundup Ready 2 Yield® soybeans provide the same proven benefits of Roundup Ready soybeans combined with the only soybean trait that has the primary benefit of additional yield opportunity.

Extensive genetic mapping has helped identify positive yield zones in soybean DNA. Through advanced insertion and selection technology, the Roundup Ready gene is situated in one of these yield positive areas to deliver top end yield opportunity in Genuity® Roundup Ready 2 Yield®.

Observations show higher yield is the direct result of more beans per pod and more beans per plant with Genuity® Roundup Ready 2 Yield® versus first generation technology.

Genuity® Roundup Ready 2 Yield® is game changing technology.

What yield advantage can I expect from Genuity® Roundup Ready 2 Yield®?

Genuity® Roundup Ready 2 Yield® class of 2010 experienced a greater than four bushel advantage and greater than 70% win rate in 2009 over Roundup Ready® soybeans. The class of 2011 performed even better with a 1.1 bushel advantage over the class of 2010.

How many and what types of Genuity® Roundup Ready 2 Yield® varieties will be available for 2010 and 2011?

More than 80 Genuity® Roundup Ready 2 Yield® products were available for the 2010 growing season. This number is planned to expand to more than 230 in 2011 — including three Genuity® Roundup Ready 2 Yield® aphid resistant lines.

Can I plant untreated Genuity® Roundup Ready 2 Yield® soybeans?

Yes, a farmer can choose to plant Genuity® Roundup Ready 2 Yield® without seed treatment. More and more growers recognize the benefits of soybean seed treatments; in fact, soybean seed treatments are one of the fastest growing agronomic practices in today's agriculture.

We believe the best seed treatment choice is Acceleron™ seed treatment product that is specially formulated to enable the full benefits of Genuity® Roundup Ready 2 Yield®. Acceleron™ offers an early season performance advantage, and we remain committed to the promotion and use of Acceleron™ seed treatment products.

What is the difference between Genuity® Roundup Ready 2 Yield® and Pioneer Y Series soybeans?

Pioneer Y series soybeans are just another line of soybeans — only with a different letter — like M before them, and B before that.

Pioneer claims that these soybeans are developed with a breeding process called AYT. This is another name for their molecular breeding program. Molecular breeding is not new. Pioneer claims farmers will receive up to 12% more yield with AYT. We can't speak to the performance of Pioneer's technology, but their claims fail to identify what comparative measures they have used to determine the rate of increase.

Pioneer Y Series showed only a 0.7 bushel increase on average over Pioneer M Series varieties in 7,344 head-to-head comparisons over two years (2008-2009).*

Monsanto has used a similar technology called marker-assisted breeding for more than six years to characterize key genetic components for improved performance of corn hybrids and soybean varieties. In fact, Monsanto launched its first commercial products using marker-assisted breeding in 2005. These advances help provide valued customers with products that lead yield performance trials in markets across the U.S.

In addition to increasing performance from advancing genetics, Monsanto is using molecular breeding, improved biotechnology tools and the best germplasm to develop new technologies to deliver the best performance in the market place, like the Genuity® Roundup Ready 2 Yield® soybeans with the Acceleron™ seed treatment system. This new system will help maximize the performance potential of seed and traits right from the start.

Acceleron™ Frequently Asked Questions

What are the Acceleron™ soybean seed treatment products, and what benefits does Acceleron™ provide to soybeans?

Acceleron™ soybean seed treatment products are next-generation seed treatments designed to enhance Genuity® Roundup Ready 2 Yield® soybeans. Acceleron™ features an exclusive fungicide combination of pyraclostrobin and metalaxyl and utilizes imidacloprid insecticide.

Acceleron™ improves early plant growth and vigor and provides protection from seed and seedling diseases (e.g., Pythium, Phytophthora) and early season insect pests including bean leaf beetles, seed corn maggots and soybean aphids.

Can I use another seed treatment besides Acceleron™ on Genuity® Roundup Ready 2 Yield®?

Yes, however Acceleron™ was designed to complement Genuity® Roundup Ready 2 Yield® soybeans.

Soybean varieties treated with Acceleron™ soybean seed treatment products have shown improved early season vigor, root biomass and plant stands.

In field trials conducted in 2009, soybeans treated with Acceleron™ had a 1.4 bu/A advantage over untreated soybeans and 0.9 bu/A advantage over CruiserMaxx™ seed treatment.

Can Acceleron™ be used on Roundup Ready® soybeans?

Yes. This is a big opportunity for growers. While Acceleron™ was developed to enhance Genuity® Roundup Ready 2 Yield® soybeans, it will benefit Roundup Ready soybeans, too.

I haven't been using seed treatments. Why should I want to use Acceleron™ on soybeans?

More and more farmers are adopting seed treatments. Seed treatments have been vastly improved over the last decade and are now a key tool for growers. Research trials have demonstrated soybean varieties treated with Acceleron™ soybean seed treatment products have shown improved early season vigor, root biomass and plant stands. In field trials conducted in 2009, soybeans treated with Acceleron™ had a 1.4 bu/A advantage over untreated soybeans and 0.9 bu/A advantage over CruiserMaxx™ seed treatment. Acceleron™ is the best new soybean treatment on the market today.

I only want a fungicide seed treatment. Can I get Acceleron™ without the insecticide component?

An Acceleron™ fungicide option is planned for the 2011 season. Talk to your seed dealer or Monsanto representative for more details.

Does Acceleron™ have an inoculant? If not, can an inoculant be added?

Acceleron™ does not include an inoculant. If you're in an area that benefits from the use of inoculants, you should talk with your dealer about applying an inoculant to your Acceleron™ treated soybeans.



For more information, visit genuity.com

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