



Trait at a Glance

The proprietary Optimum® GAT® trait would enable the most flexible herbicide programs on the market, after regulatory authorities approve the trait. Developed through exclusive gene shuffling technology, the Optimum GAT trait would maximize yields with breakthrough technologies and help growers achieve broader spectrum weed control.

- Projected Introduction*:
 - Corn - Controlled releases in 2010 and 2011
 - Soybean - 2011
- Target Markets:
 - Corn - North America, Latin America, Asia Pacific, Europe, Africa
 - Soybean - North America, Latin America
- Global Acreage Opportunity:
 - Corn - Mega, >150 MM
 - Soybean - High, 101-150 MM
- R&D Pipeline Phase:
 - Corn - Phase 4, Pre-Launch
 - Soybean - Phase 4, Pre-Launch

Grower Value at a Glance = **Harvestable Yield** + **Weed Control** + **Flexibility**

Anticipating Needs

Currently, 91 percent of soybean acres and 50 percent of corn acres grown in the U.S. are planted with products containing glyphosate-tolerant traits. The market for glyphosate tolerance is already significant, and demand will continue to increase. Farmers appreciate the convenience and effectiveness of this weed management approach.

Delivering Solutions for Weed Control

The Optimum GAT trait would maximize yield by achieving glyphosate and ALS crop safety while protecting yield with better weed control options.

More than 200 corn and soybean research trials are planned in 2009 in the U.S. and Canada, in addition to locations in South America, for further Optimum GAT trait testing.



Optimum GAT trait corn test plot sprayed with glyphosate. Johnston, Iowa 2008



Optimum GAT trait soybean test plot sprayed with glyphosate. Johnston, Iowa 2008

Delivering Value

The Optimum GAT trait would enable flexible weed control solutions, which include contact plus residual herbicides optimized for any tillage system; broader-spectrum weed control to manage tough weeds, including glyphosate and ALS tolerant weeds; the widest window of application, from burndown, pre and post; and flexibility to plant Optimum GAT soybeans or corn after fall herbicide treatments.



GAT®

HERBICIDE TOLERANCE

*Products with the Optimum GAT trait will not be offered for sale or distribution until completion of field testing and approval by regulatory authorities.

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