

## Optimum® GAT® herbicide tolerance trait in soybeans *More Flexibility. Maximized Results.*

Pioneer® brand soybean seed with the innovative Optimum® GAT® (glyphosate ALS tolerance) trait enables the most flexible herbicide programs on the market:

### ■ Maximizing yields with breakthrough technologies

- Soybeans backed by the strength of Pioneer breeding and the Accelerated Yield Technology (AYT™) system
- Yield protected by better weed control options

### ■ Noticeably cleaner fields through harvest

- Studies demonstrate that **DuPont™ Diligent™ herbicide** is expected to deliver powerful answers to
  - Manage tough weeds
  - Enable multiple modes of action for “built-in” resistance management
  - Provide contact plus residual
- Studies demonstrate that **DuPont™ Traverse™ and Freestyle™ herbicides** are expected to deliver flexible solutions to
  - Expand application timing
  - Maximize crop rotation flexibility
  - Deliver uncompromised crop safety

### How it works

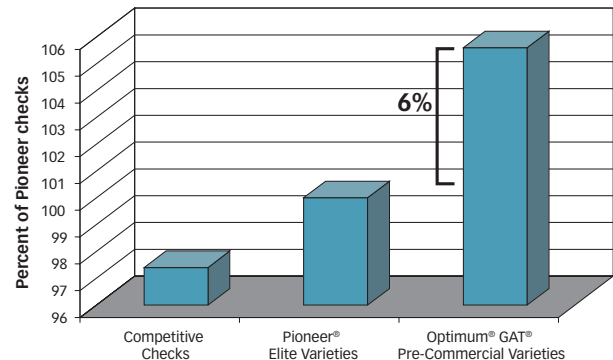
The Optimum GAT trait was developed by Pioneer Hi-Bred through proprietary, cutting-edge, gene-shuffling technology. This trait metabolizes glyphosate so it is not harmful to plants and also prevents ALS herbicides from binding.

Multi-year, multi-location testing confirms that the combination of the AYT system, the Optimum GAT trait and our elite Pioneer soybean genetics will deliver solid yield results and enable the use of herbicides with multiple modes of action.

### Accelerated Yield Technology (AYT™) system

Pioneer researchers have developed an exciting system called Accelerated Yield Technology (AYT™ system) to further enhance the performance potential of new Pioneer brand soybean varieties.

### Optimum® GAT® Soybeans Outyield Elite Varieties by an Average of Nearly 6%



Source: Comparison data from 2008 research trials.

(Below) Pioneer® brand soybean varieties with the Optimum® GAT® trait treated with a unique DuPont Crop Protection preemergence followed by postemergence herbicide.



Noticeably cleaner fields through harvest.  
(Optimum® GAT® Soybeans, Johnston, Iowa)