

BIOTECH GRASSROOTS TOOLKIT



BENEFITS TO OUR ENVIRONMENT

Fewer Chemical Applications

- Data show that, since the year 1996, GMO crops have reduced pesticide applications on farms by 8.8%.

Improving Water Quality

- Herbicide tolerant GMO crops allow the widespread use of “no-till” agriculture, which decreases soil erosion in the U.S. by at least one billion tons per year. This, in turn, improves water quality by decreasing sedimentation and runoff of nitrogen and phosphorous.

Reducing Greenhouse Gases

- “No-till” and reduced-till farming practices improve carbon storage, cut on-farm fuel consumption in the U.S. from five gallons per acre to one gallon per acre, and reduce agriculture’s overall greenhouse gas footprint. In 2012, environmental improvements associated with the global use of GMOs were equivalent to removing 11.9 million cars from the road for one year.