

# GMO RESEARCH, REVIEW AND REGULATION | How Does a GMO Get to Market?

On average, GMOs take **13 years** and **\$130 million** of R&D **BEFORE** coming to market

The **regulatory process** alone can take **5 to 7 years**

## REGULATORY SCIENCE

**75+ different studies<sup>1</sup>** are conducted to demonstrate each new GMO is:

### Safe to grow

- Crop grows the same as non-GM varieties
- Crop exhibits expected characteristics (e.g., insect resistance)



### Safe for the environment and beneficial insects



### Safe to eat

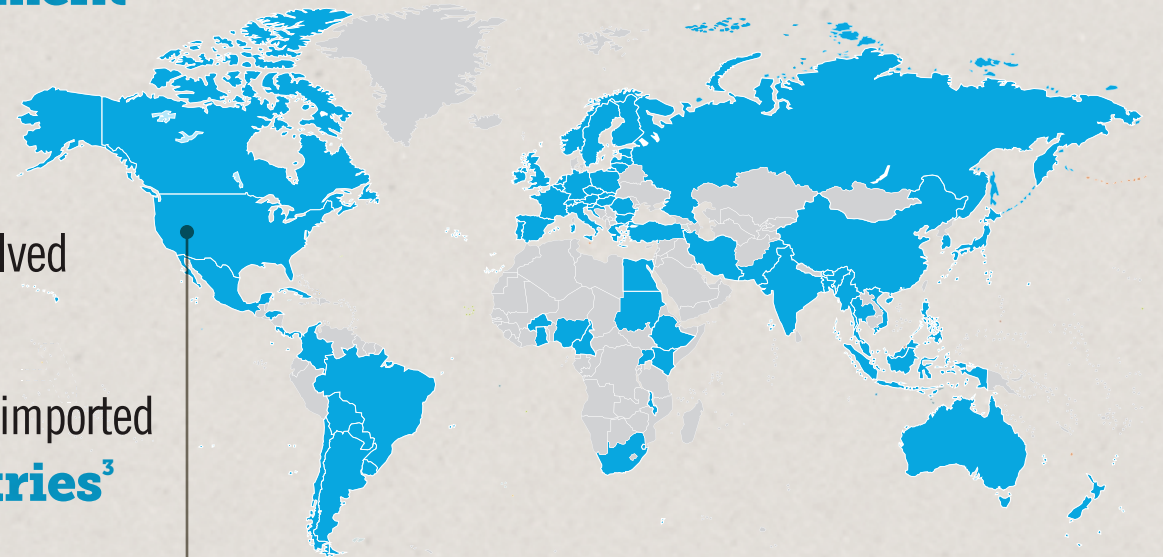
- Same nutrients as non-GM crops
- No new dietary allergens



## REGULATORY REVIEW

More than **30 government bodies<sup>2</sup>** globally review and approve GMOs. In many countries, multiple agencies are involved in the regulation of GMOs.

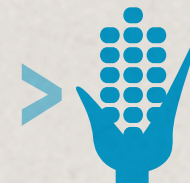
GMOs have been grown or imported by more than **75 countries<sup>3</sup>** since 1996.



## U.S. REGULATORY AGENCY REVIEWS



Safe to grow



Safe for the environment



Safe to eat



<sup>1</sup>Estimated numbers from DuPont Pioneer based on studies from recent biotech applications. | <sup>2</sup>Includes agencies reviewing new biotechnology applications from 62 individual countries and 28 EU member countries. | <sup>3</sup>Country count cited from ISAAA.org