

IN 2014, WORLD POPULATION GREW BY 75 MILLION

Here's how plant science helped farmers keep up with demand:

MORE THAN
18 MILLION FARMERS

planted biotech seeds and improved yields worldwide



Vietnam approved its first biotech varieties for cultivation and Bangladesh planted the first commercial **biotech eggplant**



Since 1996, **4 BILLION ACRES** of biotech crops have been planted to help farmers add **358 MILLION EXTRA TONS** to the food supply [1]



Without crop protection products,

50% OF GLOBAL FOOD PRODUCTION

would have been lost to pests and disease

Plant science technologies helped farmers produce a record cereal crop of **2.53 BILLION TONS** [2], including:



725 MILLION
tons of wheat



1 BILLION
tons of maize



496 MILLION
tons of rice

That's a **283%** increase on production levels 50 years ago

With the global population due to increase to more than 9 billion by 2050, the plant science industry will continue to help farmers sustainably increase their yields. For example:

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Advanced **BIOTECH TRAITS** like nitrogen-use efficiency could nearly **DOUBLE YIELDS** of irrigated maize in Latin America and Sub Saharan Africa in 2050



CROP PROTECTION products that enhance the control of insects, diseases and weeds could **INCREASE GLOBAL YIELDS** of maize, rice and wheat by 20-30% in 2050 [3]

1. Food security in a world of natural resource scarcity, IFPRI

<http://www.pgeconomics.co.uk/page/36/-gm-crop-use-continues-to-benefit-the-environment-and-farmers>

2. <http://www.fao.org/worldfoodsituation/csdb/en/>

3. <http://www.ifpri.org/publication/food-security-world-natural-resource-scarcity>