

# HOW CAN FARMERS MITIGATE AND ADAPT TO CLIMATE CHANGE?

A full suite of crop protection and plant biotech products can help farmers:



Farmers need access to the best mix of technologies to look after our planet, feed a growing population and progress their communities.

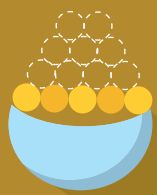
## TODAY'S TECHNOLOGIES

### NO-TILL AGRICULTURE

Farmers remove yield-robbing weeds using herbicide-tolerant varieties and crop protection products instead of tillage practices.

Increase yields **67%**

No-till can increase global maize yields on irrigated hectares.



Drought tolerance can increase yields nearly **15% - 20%**

in times of severe drought for these key regions in 2050.



UNITED STATES



CHINA



EAST AFRICA

### DROUGHT TOLERANCE

Plant science researchers are developing plants that are droughttolerant and water-efficient.

### PLANT BIOTECHNOLOGY

In 2012, biotech crops helped slow the advance of climate change by **REDUCING CARBON EMISSIONS 27 BILLION KG**, equivalent to 11.9 million cars off the road for a year, due to less tillage, less fuel use and more carbon capture.

**REDUCING**  
carbon emissions  
27 billion kg



### Insecticides, Herbicides, Fungicides

### CROP PROTECTION

Crop protection products prevent nearly 40% of global rice and maize harvests from being lost every year.