



# CONSERVING WATER

IN THE NEXT 20 YEARS, IT'S PREDICTED THAT NEARLY HALF OF THE WORLD WILL BE LIVING UNDER SEVERE WATER STRESS. TODAY, WITH EVERY CALORIE WE EAT REQUIRING ABOUT ONE LITRE OF WATER TO PRODUCE, AGRICULTURE ACCOUNTS FOR 70% OF GLOBAL WATER USE. NEW TECHNOLOGIES CAN HELP US CHANGE THE WAY WATER IS USED AND MANAGED.

## REDUCING WATER NEEDS THROUGH PLANT SCIENCE TECHNOLOGIES



### WATER EFFICIENT CROPS

ONE POUND OF COTTON CAN NOW BE PRODUCED WITH ABOUT **1/2 THE** IRRIGATION WATER REQUIRED 20 YEARS AGO<sup>11</sup>



### CONSERVATION TILLAGE

HERBICIDES AND BIOTECH CROPS REDUCE THE NEED FOR TILLAGE, **LEAVING MORE MOISTURE** IN THE SOIL FOR THE GROWING CROP



### DROUGHT TOLERANT CROPS

DROUGHT TOLERANT CORN IN AFRICA HAS THE POTENTIAL FOR **20-35%** **HIGHER YIELDS UNDER DROUGHT CONDITIONS**<sup>12</sup>