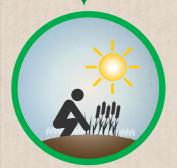




FOR MILLIONS OF FAMILIES IN THE DEVELOPING WORLD, FARMING IS NOT JUST AN OCCUPATION; IT IS THE SOLE MEANS OF SURVIVAL. THESE SMALLHOLDER FARMERS GROW SEVERAL CROPS ON SMALL PLOTS OF LAND TO SUPPORT THEIR FAMILIES AND LOCAL COMMUNITIES. MAKING AGRICULTURE MORE PRODUCTIVE AND PROFITABLE THROUGH PLANT SCIENCE TECHNOLOGIES WILL ENABLE SMALLHOLDER FARMERS TO IMPROVE THEIR QUALITY OF LIFE.

## SUSTAINABLE LIVELIHOODS & STRONGER COMMUNITIES

ARE CREATED BY MAKING AGRICULTURE MORE PRODUCTIVE



## HERBICIDES REDUCE STRENUOUS HANDWEEDING

Herbicide use could eliminate the need for 90% of strenuous handweeding in Africa.





## DISEASE-FREE HARVESTS BOOST INCOMES

In Kenya, using pesticides to produce disease–free fruit means a four-fold income increase for small-scale passion fruit farmers; and extra income for avocado farmers.



HIGHER INCOMES
IMPROVE HEALTH,
PROVIDE
SCHOOLING
AND CREATE NEW
BUSINESS
OPPORTUNITIES



## HIGHER YIELDS IMPROVE LIVELIHOODS

In India, Bt cotton is boosting yields, leading to higher farm incomes and quality of life improvements.



GAINS FROM 2002 TO 20116

IMPROVED ACCESS TO TELEPHONE SYSTEMS, DRINKING WATER AND ECONOMIC INFRASTRUCTURE

MORE MATERNAL HEALTH CARE, HIGHER SCHOOL ENROLMENT AND VACCINATION RATES<sup>7</sup>