

IMPROVING LIVES

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.

THIS CAN SAVE
24 BILLION HOURS
AND PRODUCE AN ADDITIONAL
40 MILLION TONNES
OF CROPS⁴



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.⁵

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.

\$12.6 BILLION
IN FARM INCOME
GAINS FROM 2002 TO 2011⁶

IMPROVED ACCESS TO
TELEPHONE SYSTEMS,
DRINKING WATER AND
ECONOMIC INFRASTRUCTURE
MORE MATERNAL HEALTH CARE,
HIGHER SCHOOL ENROLMENT
AND VACCINATION RATES⁷