

BENEFITS

Bt maize farming

SPAIN AND PORTUGAL
(1998-2018)

1.89

ADDITIONAL
PRODUCTION

MILLION TONS



TO ACHIEVE THESE LEVELS OF PRODUCTION WITH CONVENIONAL MAIZE, IT WOULD BEEN NECESSARY TO CULTIVATE AN ADDITION AGRICULTURAL AREA OF

» 15,240
HECTARES

SAVING
WATER

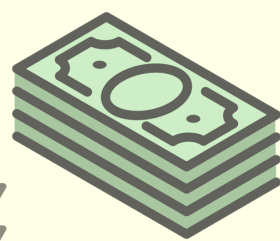
1,042
million

m³ irrigation
water



INCREASE IN THE INCOMES

285.4 MILLION
EUROS



SPAIN

OPTIMISATION OF
INSECTICIDE USAGE

- 678,000 KG

AVERAGE INCREASE IN
FARMERS' INCOME

173 EUROS
PER HECTARE

REDUCTION
IN THE
ENVIRONMENTAL
IMPACT
ASSOCIATED
WITH THE USE OF
INSECTICIDES

→ 21%

37%

LESS ACTIVE
INGREDIENTES
WERE APPLIED



PREVENTED

1.58 MILLION KG OF CARBON
DIOXIDE FROM BEING
RELEASED INTO THE ATMOSPHERE



Equivalent of
removing 980 vehicles
from circulation for one year

REDUCTION IN
FUEL USAGE

593,000
LITRES



HECTAREAS WERE NOT
TREATED WITH
INSECTICIDES

705,000



REPORT:

'Twenty-one years of using
insect resistant (GM) maize in
Spain and Portugal: farm level
economic and environmental
contributions'
GRAHAM BROOKES