

BIOTECH CROP
ANNUAL UPDATES

Eggplant



BT EGGPLANT was planted on **1,931 HECTARES** in 2019. Bt eggplant provides complete control of eggplant fruit and shoot borer, dramatically reduces insecticide sprays, provides a six-fold increase in grower profit and does not affect non-target organisms.

BANGLADESH became the first country in the world to plant **BT EGGPLANT** in 2014 when **4 BRINJAL VARIETIES** were released to farmers.

From 2014-2019, a total of **91,270 SMALLHOLDER FARMERS** in Bangladesh have planted Bt brinjal.



In the Philippines, research and development on the fruit and shoot borer resistant Bt eggplant is led by the Institute of Plant Breeding at the University of the Philippines Los Baños.

Field trials were completed in 2012, and the next stage in the regulatory process is the applications to the Bureau of Plant Industry for food, feed and processing and commercial propagation and the registration of the plant-incorporated protectant (PIP) with the Fertilizer and Pesticide Authority.



In the Philippines, Bt eggplant is expected to boost yields by 192% and reduce pesticide use by 48%.



For more information, visit:

www.isaaa.org

Sources:

ISAAA. 2019. Global Status of Commercialized Biotech/GM Crops in 2019. *ISAAA Brief No. 55*.

Brookes, G. and P. Barfoot. 2020. GM Crops: Global Socio-Economic and Environmental Impacts 1996-2018.