Mycokey

Integrated and innovative key actions for mycotoxin management in the food and feed chain

Lay summaries

Knowledge transfer to stakeholders











Molecular basis of resistance to FUSARIUM EAR ROT IN MAIZE











Molecular basis of resistance to

FUSARIUM EAR ROT IN





OUTCOMES

The molecular tools developed in the last years will allow to expedite the achievement of inbred lines and hybrids more resistant to FER and fumonisin contamination by smart and cost-effective breeding strategies.

Wide phenotypic variation for resistance to FER was observed in 749 elite inbred lines of maize and 12 lines were selected as the most promising genotypes. The resistance relies on polygenic traits (QTL).



Lanubile A, Maschietto V, Borrelli VM, Stagnati L, Logrieco A, Marocco A, 2017. Frontiers in Plant Science. DOI: 10.3389/fpls.2017.01774.

