

BANJO FORTE:

A Unique Solution for Potato Late Blight

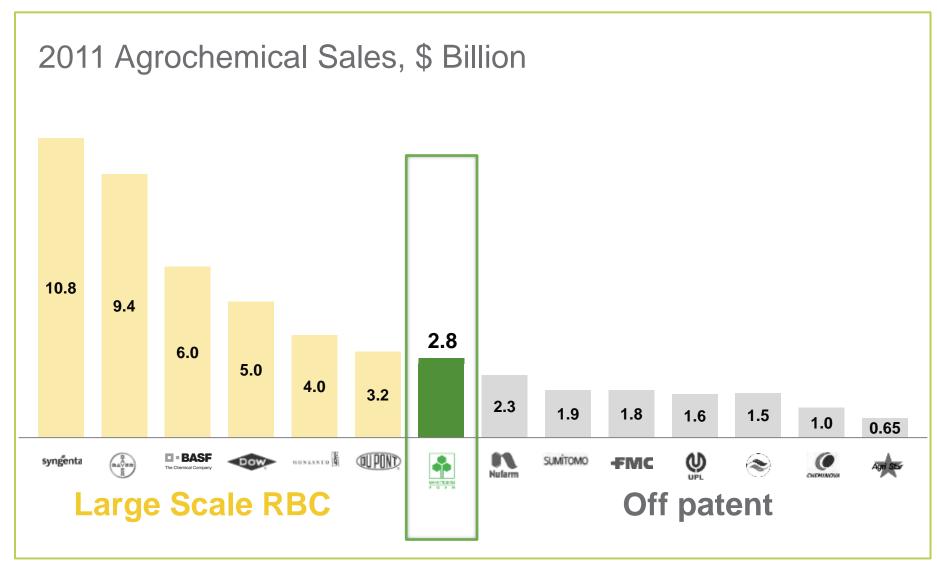
Olaf Van Campen, Yair Jackson & Daphna Blachinsky

Jerusalem, Israel. 17-21 November, 2013



MAI: On our Way to Innovation



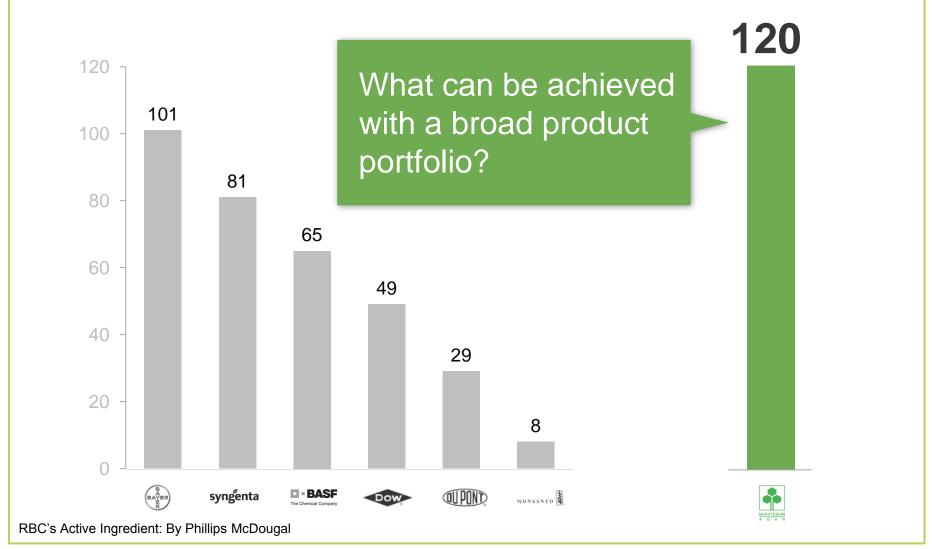


Source: MAI Analysis



Opportunity:A Broad Product Portfolio







What is Banjo Forte?



Fluazinam 200



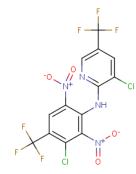
Dimethomorph 200



FRAC Group:

C5, uncoupler of oxidative phosphorylation contact

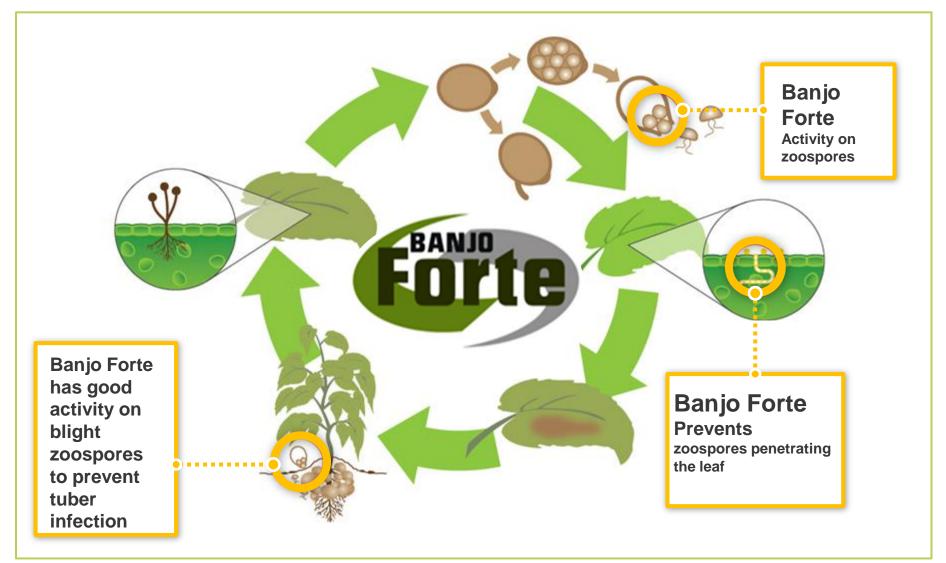
FRAC Group: **H5**, cellulose synthase inhibition, Local systemic / Translaminar





Banjo Forte Activity & Mode of Action







Why Banjo Forte?



Perfectly Complementary Actives

- Local systemic + very effective contact
- Fit Resistance Management
- Fit perfectly the middle application timing

Prevents ...

- Leaf late blight
- Tuber blight control
- Sclerotinia sclerotiorum
- Powdery scab





Registrations Since 2012



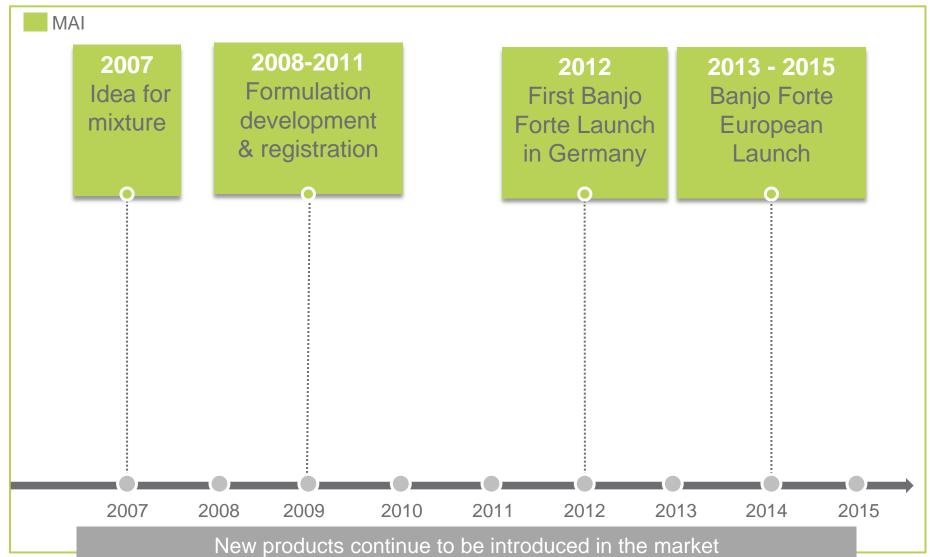


Biggest potato growing countries



Evolution: Banjo Forte & Potato Market







Fluazinam Use in Potatoes



Green33

a genotype, resistant to Fluazinam

2009

Founded in the Netherlands

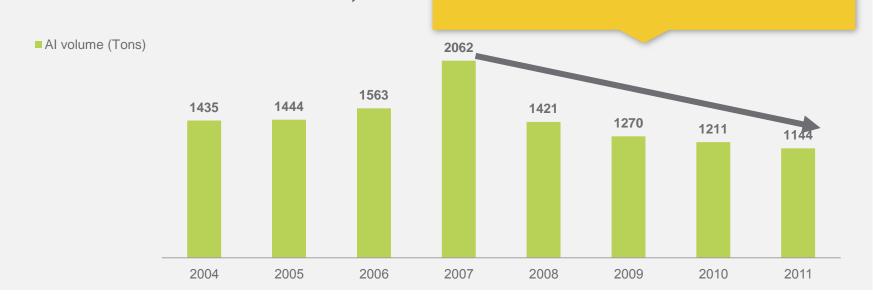
2010

Population increased

2011

Stabilized and spread

Fluazinam Volume in Potatoes, West I Since 2007 Fluazinam sales in Europe dropped dramatically



*Data obtained from Sigma 2012



PHYTIN: Economic Losses 2010







Green 33: Key Facts



How did it happen?

- Use of Fluazinam straight
- Reduced rates
- Block spraying strategy

Who is Green 33?

- Extremely violent
- Quick cycle (3-4 days)

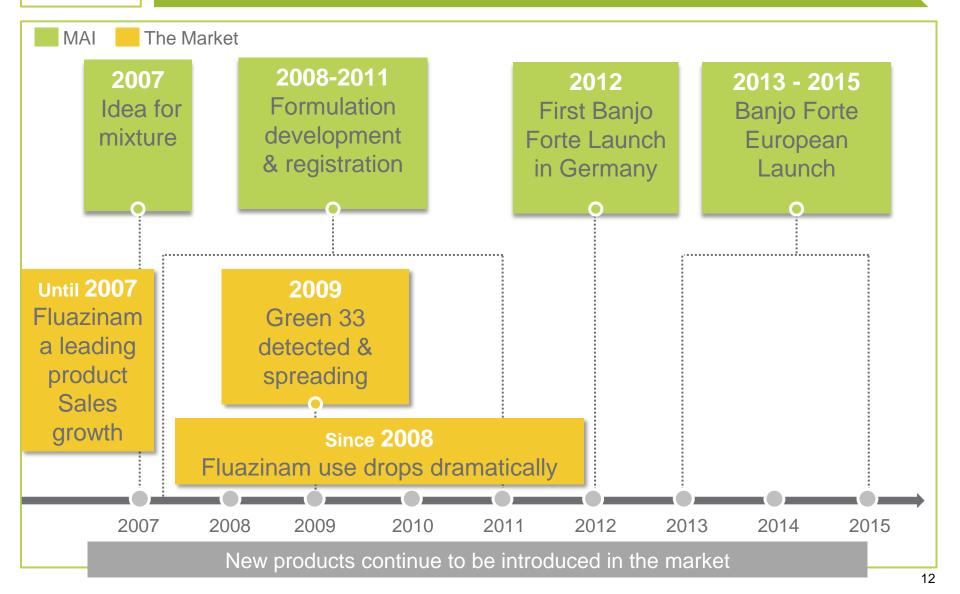
But...

- Low fitness to environmental conditions
- Very sensitive to CAA fungicides



Evolution: Banjo Forte & Potato Market

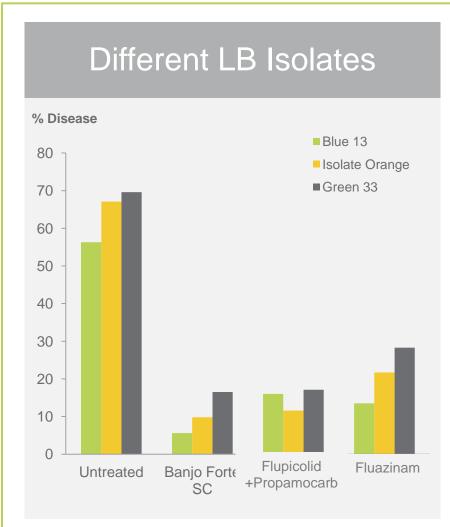






Banjo Forte: Effect on LB isolates 2013*





Green 33



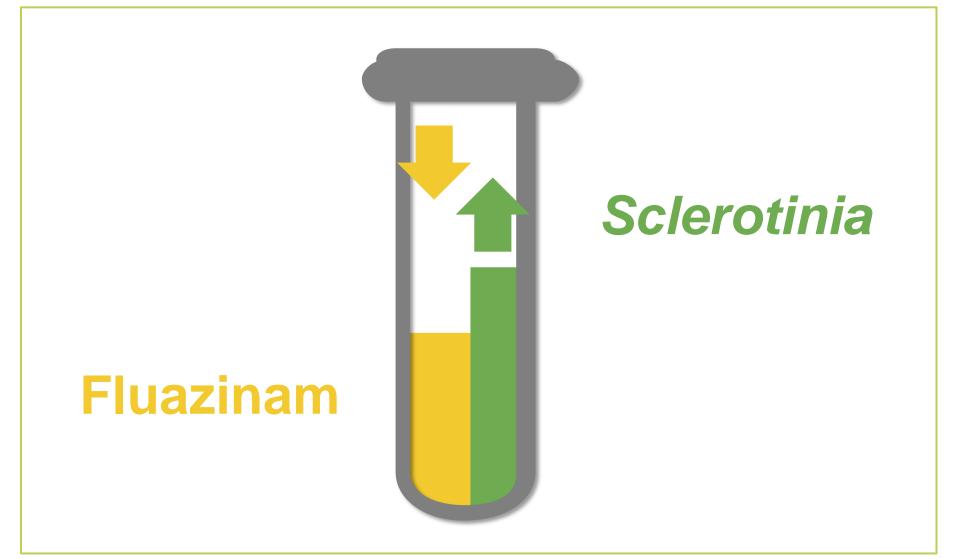
- Banjo Forte controls well all major genotypes
- Banjo Forte is very effective against genotype Green 33

*Pot Trial, Huub Schepers, PPO



Sclerotinia raising in potatoes

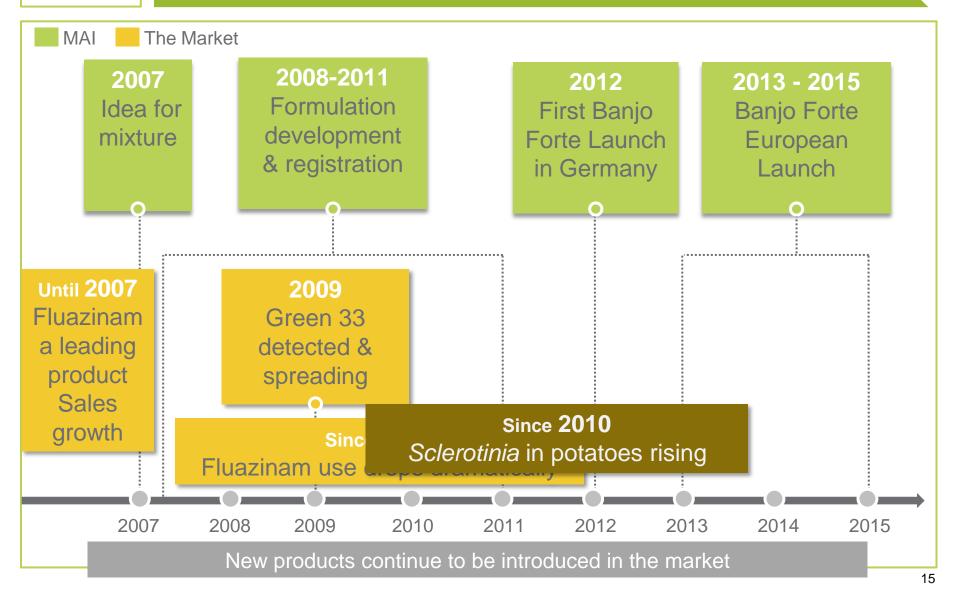






Evolution: Banjo Forte & Potato Market







Banjo Forte Effect on *S. sclerotiorum* in Potato, 2013



Sclerotinia severity Severity 80 (%) 70 60 b 50 ab a 40 30 20 10 Flupicolid Untrea Fluazinam Banjo Forte +Propamocarb

S. sclerotiorum



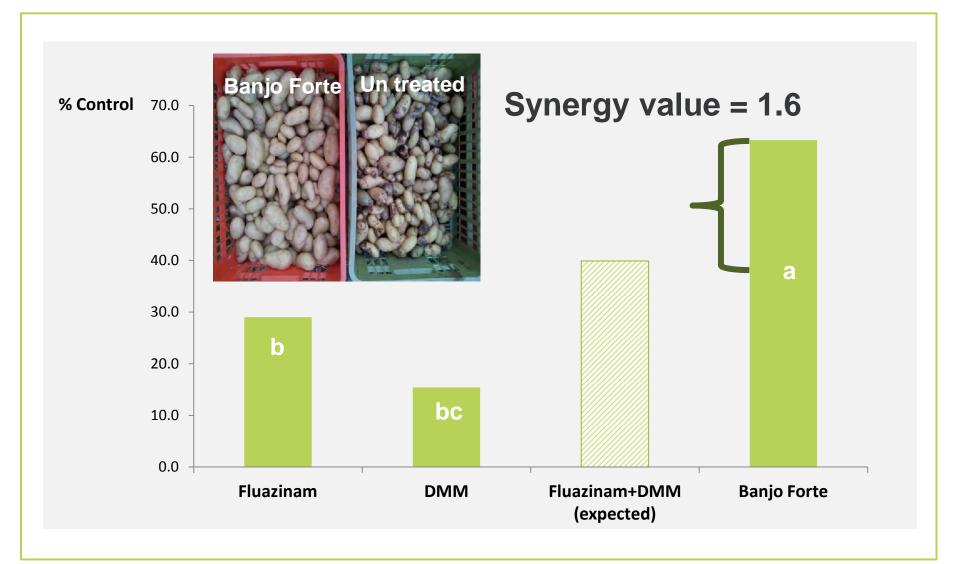
Fungicide	Sclerotinia Severity
Untreated	69.6
Flupicolid +Propamocarb	49.7
Fluazinam	42.0
BANJO FORTE	34.6

*Pot Trial, Huub Schepers, PPO



Powdery Scab: MA-Israel, 2013







Banjo Forte Summary



- Excellent late blight prevention
- Very good tuber blight control





Reduces
Sclerotinia and
powdery scab
damage



Banjo Forte: The Future



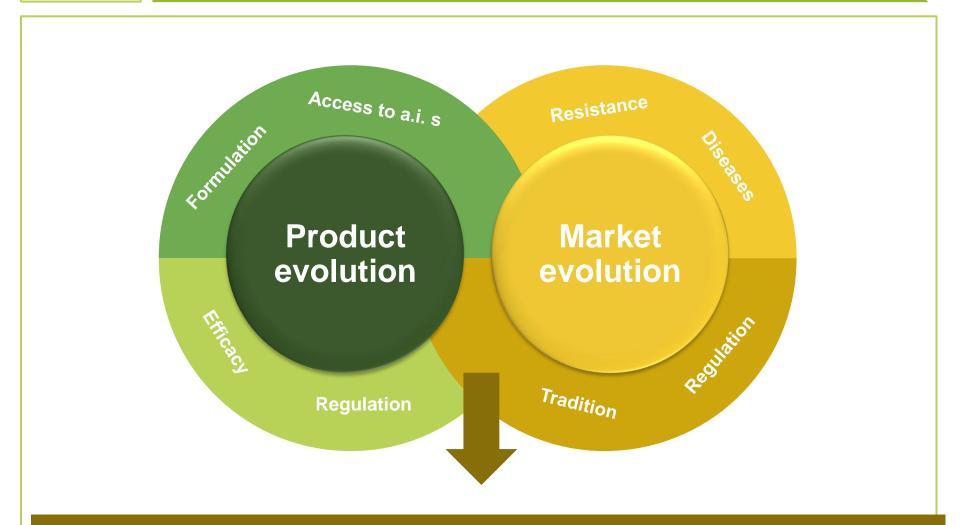


More Countries, Crops & Disease Prevention



MAI: On our Way to Innovation





INNOVATION = RESPONSE TO THE MARKET!

