



zipper®

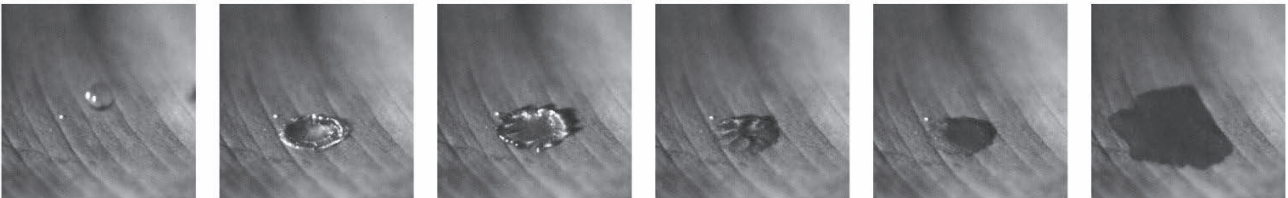
SUPER SPREADER


MODIFY
ECO CROP PROTECTION

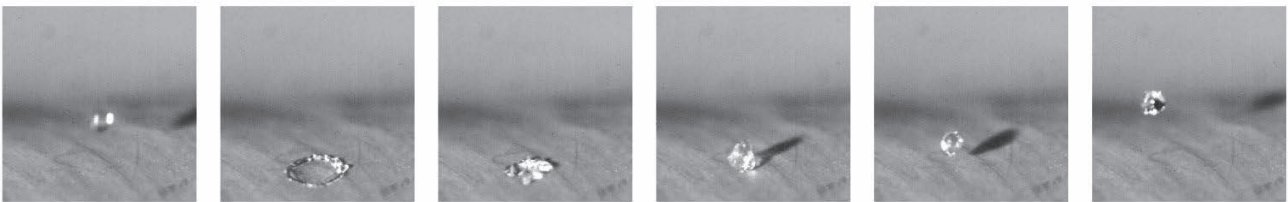


ZIPPER® is an organic modified trisiloxane **super spreader**. Just 0,1% Zipper added to water **increases its surface a hundred fold** than just a droplet of water with the same volume. This super spreading effect ensures an enormously improved coverage of the leaf whereby hard to reach places are also effortlessly reached. **Zipper can spread the spraying liquid so well that the pesticide directly enter the stomata of the leaf.**

WITH ZIPPER



WITHOUT ZIPPER

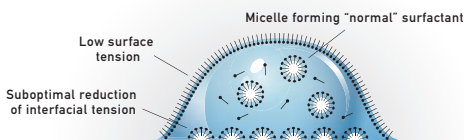


WATERDROPLET WITHOUT SURFACTANT



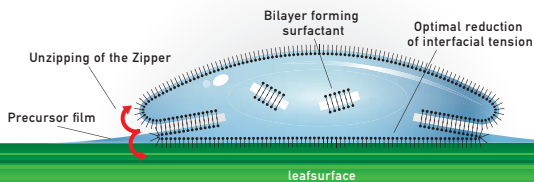
leafsurface

WATERDROPLET WITH "NORMAL" SURFACTANT



leafsurface

WATERDROPLET WITH ZIPPER



leafsurface

BENEFITS OF ZIPPER®

- Increased amount of pesticide on the crop
- Maximum coverage
- Pesticide reaches all hard to reach places
- Increased uptake
- Insects can't hide



WITHOUT ZIPPER

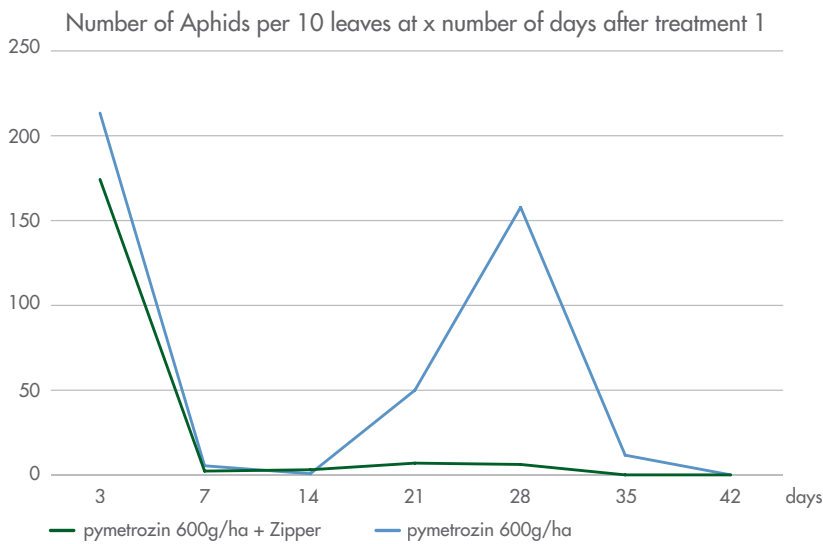


WITH ZIPPER

OPTIMISES CROP PROTECTION

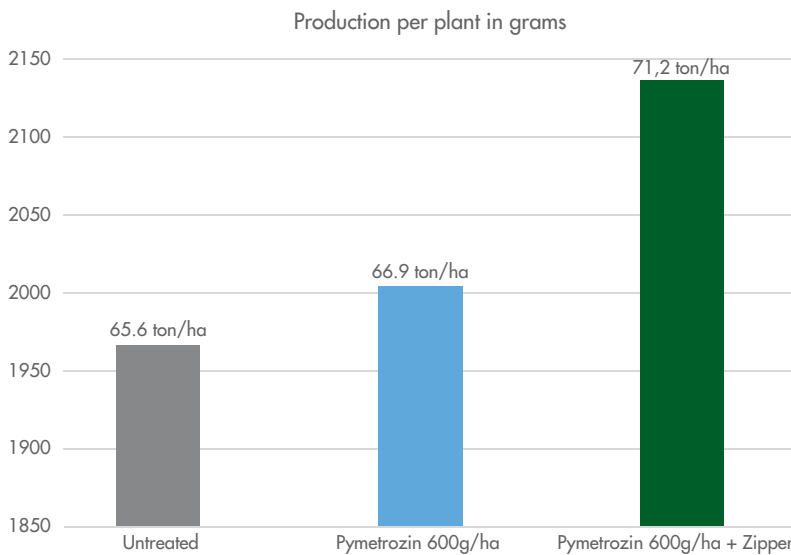
ZIPPER ADDED TO APHID CONTROL IN POTATO EXPERIMENTAL DESIGN

- Treatments:
 - Untreated control
 - Pymetrozin 600g/ha
 - Pymetrozin 600g/ha + Zipper 200ml/ha
- Application dates: 27 juli en 26 augustus
- Sprayvolume: 250L/ha
- Nozzle: Teejet AI110015VS
- Pressure: 3 bar



Damage of aphids in untreated control

YIELD PER HA



CONCLUSIONS:

- Zipper enhances and lengthens the effect of Pymetrozin to control Aphids in potato
- The addition of Zipper to Pymetrozin results in a higher yield per hectare