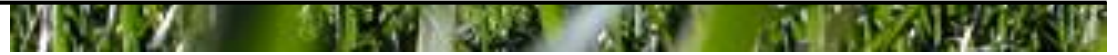




**AA L&K:
New alternative to control the
Tuta absoluta population**

Dr. Mounir Hassani, ceo Atlas Agro AG,
Switzerland

Who we are?



ATLAS AGRO is a Swiss company assembling internationally recognized experts in the field of integrated crop management and biological protection.

Our focus is manufacturing , research, developing and marketing sustainable solutions for crop protection, forestry, apiculture and public hygiene.

ATLAS AGRO:

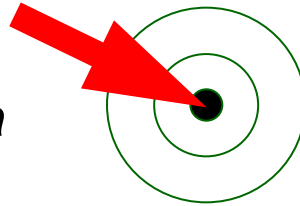
Agribusiness Offer



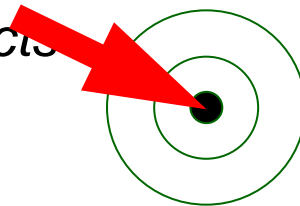
Inputs

Fertilizers and Mycorezha
Diagnostic Tools
Crop Protection Products

Harvest Protection Products



Grower



Post-Harvest



Consumer

Services

Training
Monitoring

System update
Certification

Promotion

Norms, Standards

National

Export

Transformation



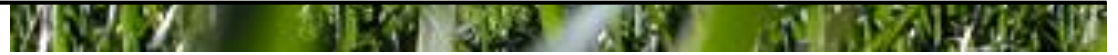
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Biocontrol & Pest Management

Some of our solutions for agriculture

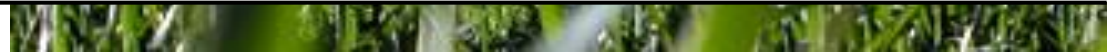


IPM for *Tuta absoluta*

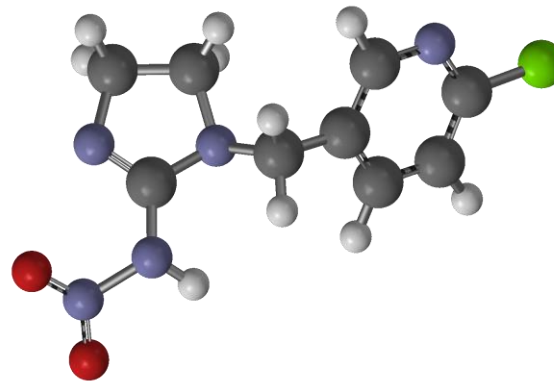


- > Beneficial insect
- > Insect proof
- > Pheromone
 - Monitoring : 1-2 trap/ha
 - Mass trapping: 30-40 trap/ha
- > Insecticide (Several applications > 5 applications)
 - *Bacillus thuringiensis*
 - Selective pesticides

What is AA L&K TUTA?



0.06% Pheromone
Tuta absoluta



14% Imidacloprid

*(in the past Permethrine
has been used)*



AA L&K TUTA



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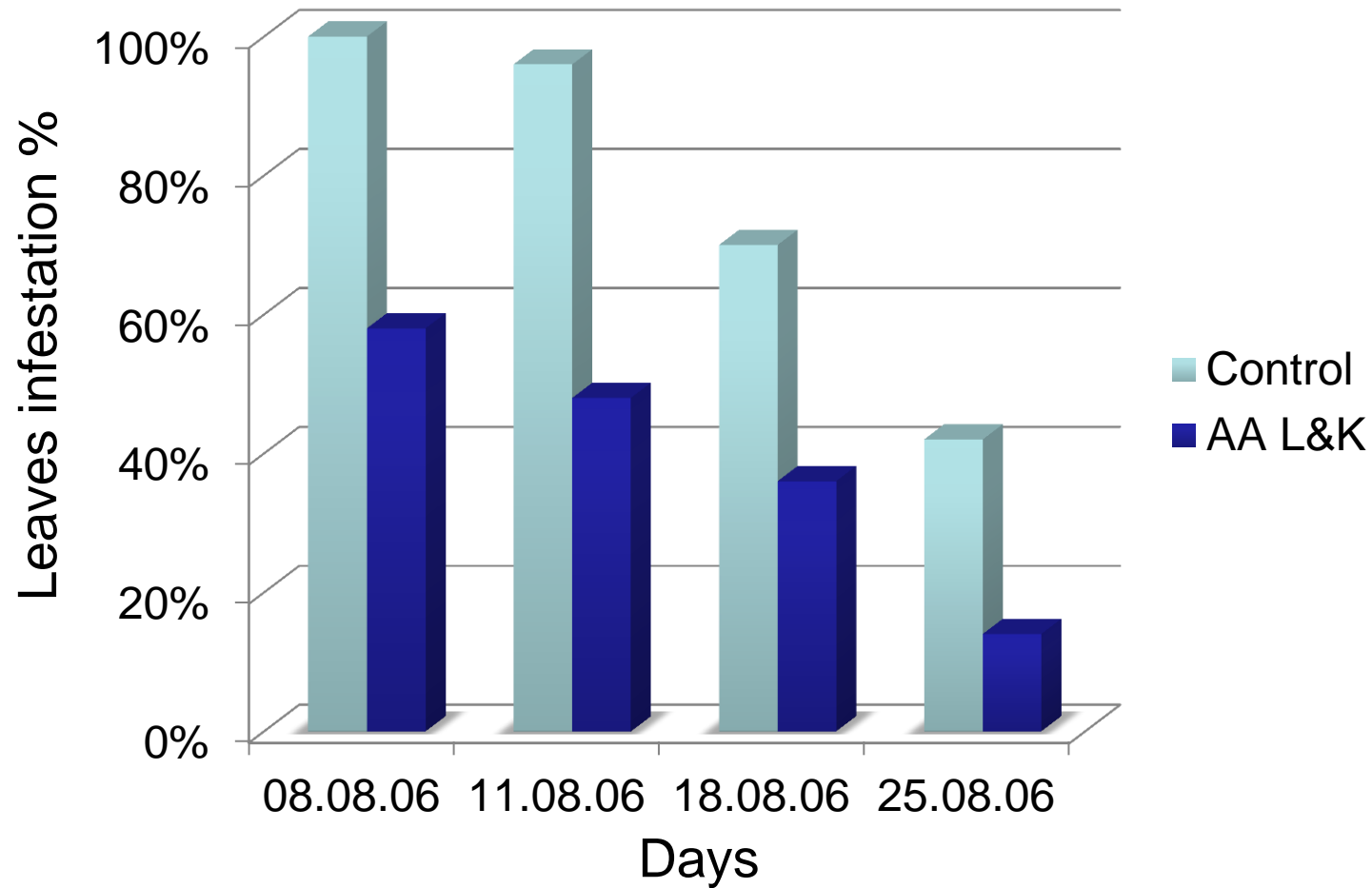
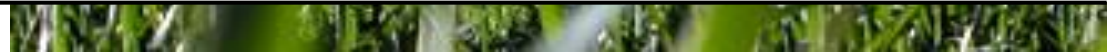
Biocontrol & Pest Management

AA L&K: APPLICATION AND MODE OF ACTION



Trails Tunisia 2009

source: Prof Dhouibi, Tunisia 2009



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Biocontrol & Pest Management

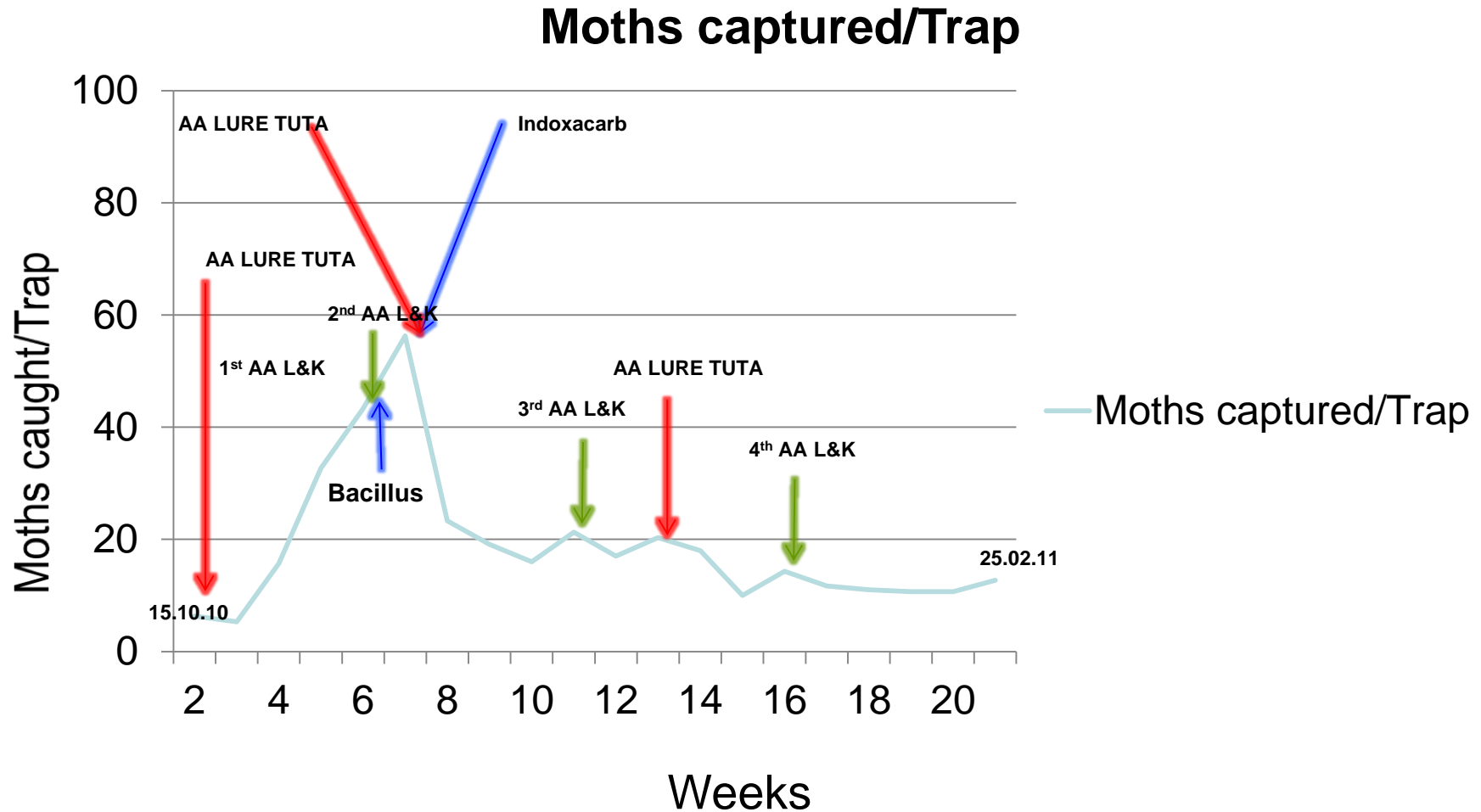
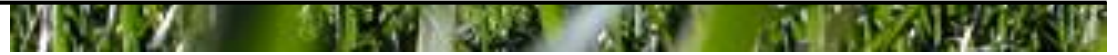
Trails Murcia, Spain 2010



Methode:

- > 3000 drop/ha
- > Seeding: 10000 plants/ha= 1 drop each 3 plants in each row
- > Starting/End: October 2010- Feb. 2011
- > 4 applications of AA L&K (5 weeks interval)
- > Monitoring: AA LURE TUTA + AA TRAP DELTA

Compare the efficacy of AA L&K, Murcia 2010-2011



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Benefits of AA L&K



- > Effective control of the target pest population.
- > Selectivity: only the target species is reached, without any effect on beneficial insects and bees.
- > Action of long duration, up to five weeks per treatment.
- > Applicable in plots of all shapes, all sizes, all slopes, windy or not.
- > No contact with the produces, so no residue.
- > No pre-harvest interval.
- > Clean and safe application for the farmer and the environment.
- > No diffusion, applicable under all weather and wind conditions.
- > Accurate dosage, no overdose
- > No product leaching by rain or watering, no contamination of soil or groundwater.
- > Economic comparing to Mass trapping + insecticide application for Tuta



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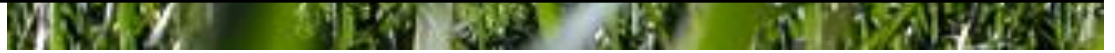
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AA L&K is also available for:



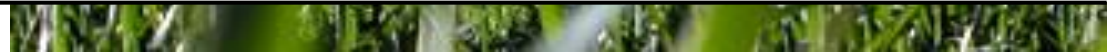
- > Mediterranean fruit fly (*Ceratitidis capitata*)
- > Codling moth (*Cydia pomonella*)
- > Carob moth (*Ectomyloise ceratoniae*)

Acknowledge



- > **Prof. DHOUIBI Mohamed Habib, TITOUHI Faten, SMAAN Meriem**, Institut National Agronomique de Tunisie, Laboratoire d'Entomologie

For more information



- > Please contact
info@atlasagro.com
- > www.atlasagro.com

Thanks for your interests and attention