

# Lumiposa<sup>®</sup>

INSECTICIDE SEED TREATMENT

## Protect every single seed, nurture every single plant.



# OVERVIEW

Give your corn seeds the best chance of success by caring for them, right from the start. Developed to protect against wireworm and cutworm, Lumiposa® is the newest and broadest spectrum systemic insecticide seed treatment for corn.

## Lumiposa® at a glance

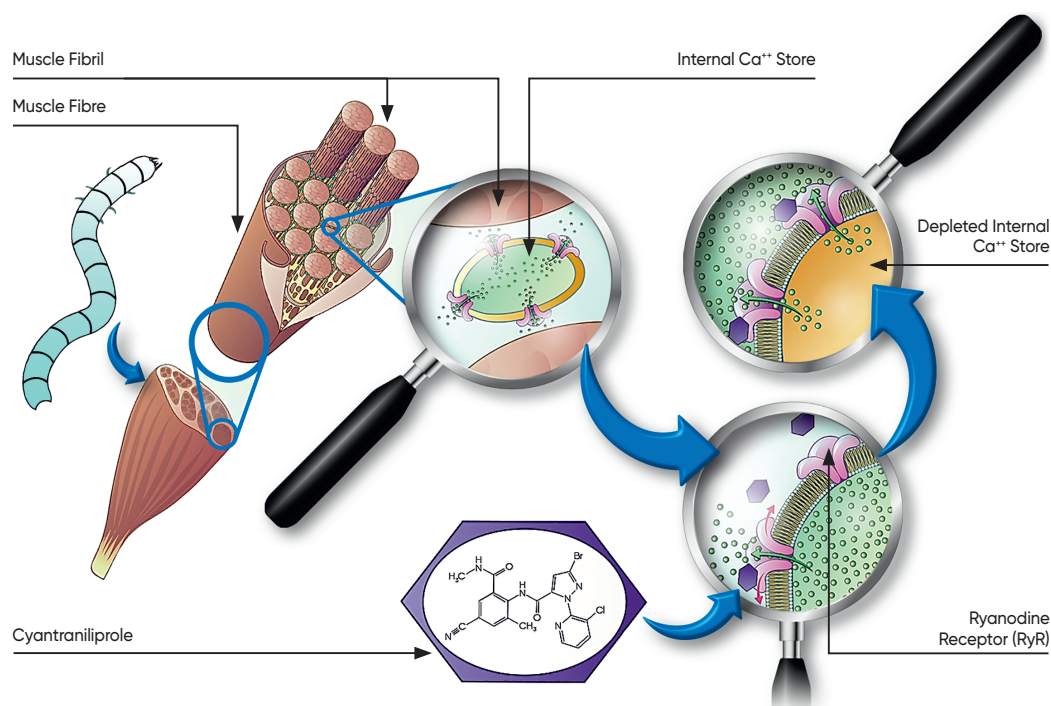
Target crop	Corn
Target pests	<b>Key pests:</b> Wireworm ( <i>Agriotes</i> sp), Cutworm ( <i>Agrotis</i> sp), <b>Local relevant pests:</b> Corn fly ( <i>Geomyza tripunctata</i> ), Corn Root Worm ( <i>Diabrotica</i> sp), Tanymechus, Grubs ( <i>Melolontha</i> )
Active ingredient	Cyantraniliprole
Dose Rate	750 microgramme active ingredient per seed 96 ml / 80 MK 60 ml / 50 MK Maximum: 108 ml/ha
Formulation	625 g/L FS
IRAC Group	Group 28

## Key advantages

- 
**BEST CUTWORM CONTROL**  
& protection against wireworm  
up to 4 leaf growth stage
  - 
**Provides more UNIFORM EMERGENCE**
  - 
**Absorbed by plants**  
longer lasting protection  
even under severe conditions
- Provides the best cutworm control and consistent protection against wireworm up to 4 leaves stage
- Delivers a more uniform emergence and superior crop establishment
- Absorbed by the plants, it provides a more consistent, longer lasting protection

## Mode of Action

- Cyantraniliprole, activates insects' ryanodine receptors (RyRs) which play a critical role in muscle function.
- Cyantraniliprole molecules bind to the RyRs causing an uncontrolled release of calcium.
- This prevents muscles from contracting and stops insects from feeding, preventing damage.





# EXCELLENT PEST CONTROL

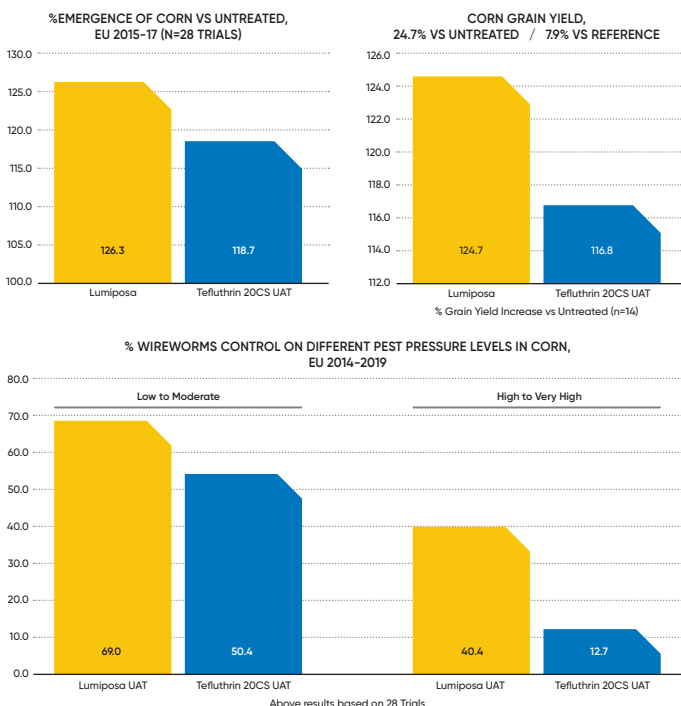
## Control of key pests

Lumiposa® provides protection against several insect species, including the wireworm (*Agriotes* sp) which is known to be a significant pest across Europe. Lumiposa® is the best choice to protect every single corn seed.

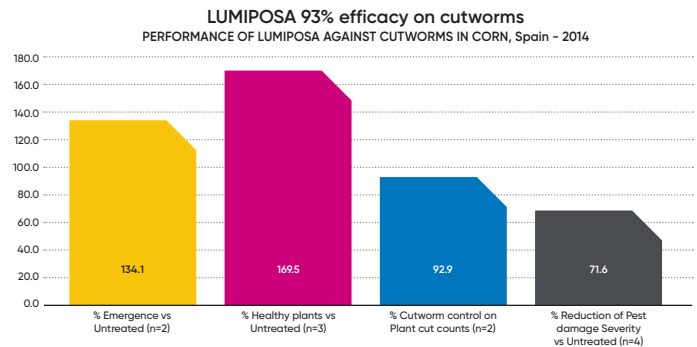


## Lumiposa® is a highly effective insecticide seed treatment on key pests.

### Wireworm Control:



### Cutworm Control:



### Diabrotica Secondary Effect:

Root damage reduction vs Untreated. Hungary - 2019.



## Rapid cessation of pest feeding

Thanks to its Mode of Action, Lumiposa® stops insects feeding rapidly. Plants are almost immediately protected from feeding damage, which allows them to grow more vigorously. A strong establishment at the beginning of the crop's growth can deliver secured yields and a higher quality harvest.

### Lumiposa®

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Trial Northern France, 2016, very high infestation. Plot in middle: Untreated

# SUSTAINABLE USE

## Stewardship Recommendation

Insecticide seed treatment can contain synthetic pyrethroids which could cause transitory sensibility named SFS during seed handling. It can result in a tingling, itching, burning, or prickly feeling.

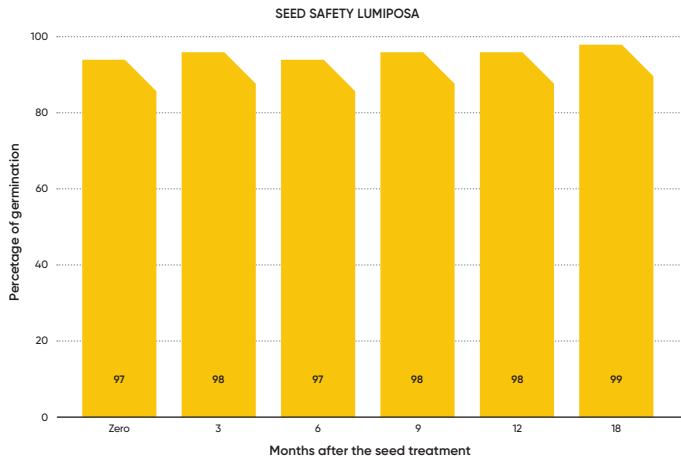
### Lumiposa does not provoke SFS thanks to a different chemical composition

[Personal Protective Equipment must be used according to the label recommendations]

## Seed safety

The right composition of seed treatment with Lumiposa including other active ingredients, coatings, biologics etc. is one of the key factors in guaranteeing the physiologic quality of the seeds.

Corteva has run extensive seed safety studies with many different genetics.



### LUMIPOSA 's germination test show no difference after 18 months of storage

⇒ Avoid discard of seed material for Seeds companies and Farmers ⇐



Follow the label when applying plant protection products. Only buy authentic products from authorized sellers.

## Resistance management

In laboratory and field studies, **cyantraniliprole** has shown no indication of having cross-resistance to other classes of insecticides making it an ideal tool for resistance management programs.

GROUP

28

INSECTICIDE

For proactive resistance management, we advise to make no more than **1** application of **cyantraniliprole** (or other Group **28** insecticide) per generation of the same insect species on the crop within a **30** day period (count the planting date as day 1). Application(s) to the next generation of target pest(s) must be targeted with an effective product with a different MoA (non-Group **28** insecticide).

## Environmental profile

Lumiposa® has a favourable toxicological and eco-toxicological profile if applied according to the label recommendations. It selectively controls pests that feed on plant tissue. Lumiposa® corn seed treatments are unlikely to pose a risk to pollinators and beneficial arthropods due to the product's toxicity profile in combination with low to no exposure levels. These characteristics make Lumiposa® the excellent choice for Integrated Pest Management (IPM) programs by maximising the effectiveness of beneficial arthropods.

## Dust Control

Treated Seeds must be clean and free from dust and debris. All recipes including Lumiposa are broadly monitored ensuring that the level of chemical dust is below the limits pre-established by law.

