

# Lumiflex™

FUNGICIDE SEED TREATMENT

## The flexible partner for corn disease control.





# OVERVIEW

A premium fungicide seed treatment for seedling and systemic diseases of maize/corn, providing the best protection against maize head smut and rhizoctonia on the market. For use by specialist industrial seed processors and plant breeders.



## Product details

- Ipconazole
- Loading 452g a.s./L
- Pack size – 200, 1000L.
- Formulation type – FS

## Technical profile

- Diseases/pathogens
  - Head smut (*Sphacelotheca reiliana*)
  - *Rhizoctonia solani*
  - *Fusarium* spp.
- Maize/corn, cotton
- 5.6 ml/100 kg seed (seedling disease rate)
- 18 ml/100 kg seed (head smut rate)

## Formulation

- Water based flowable (FS), 452g/l
- Not coloured
- Compatible with other fungicides, insecticides and colours/polymers

## Key advantages

- Number 1 in trials against head smut
- Excellent control of fusarium and rhizoctonia
- Very safe to seed and no detrimental effect on plant emergence and establishment
- Proven track record on corn in N. America since 2007
- High concentration, low application rate, uncoloured formulation, ideal for tank mixing

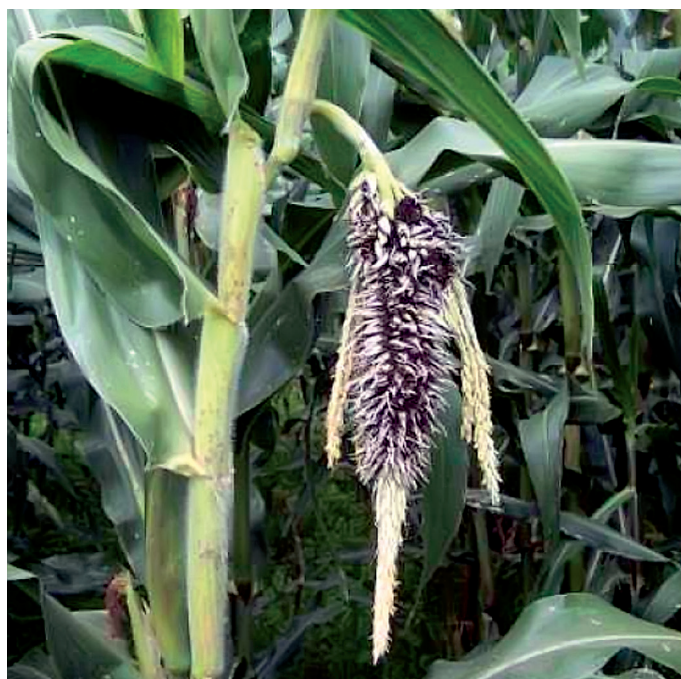
**Discover more now at [corteva.com](http://corteva.com)**



# HEAD SMUT OF CORN

## *Sphacelotheca reiliana*

- A relevant issue in all regions
- Maize cultivars vary significantly in their resistance
- Primarily soil-borne but can be seed-borne
- Overwinters as teliospores(which can survive for several years) and infects growing point of young seedling
- Low soil moisture and warm temperatures (22–28°C) favour disease development
- Develops systemically within the plant
- Controlled by high rates of triazoles–ipconazole, triticonazole, prothioconazole, tebuconazole, triadimenol
- Ipconazole provides the highest level of control available, combined with outstanding seed safety



g ai/qoo Kg seed	Disease	Pathogen	Efficacy
2.5	Seedling blights and damping off	<i>Fusarium moniliforme</i> <i>Rhizoctonia solani</i>	CONTROL
8.1	Head smut	<i>Spacelotheca reiliana</i>	CONTROL
2.5	Seed rot and damping off	<i>Penicillium</i> <i>Aspergillus</i> <i>Rhizopus</i> <i>Cladosporium</i>	USEFUL CONTROL



# EFFICACY VERSUS SEEDLING DISEASES

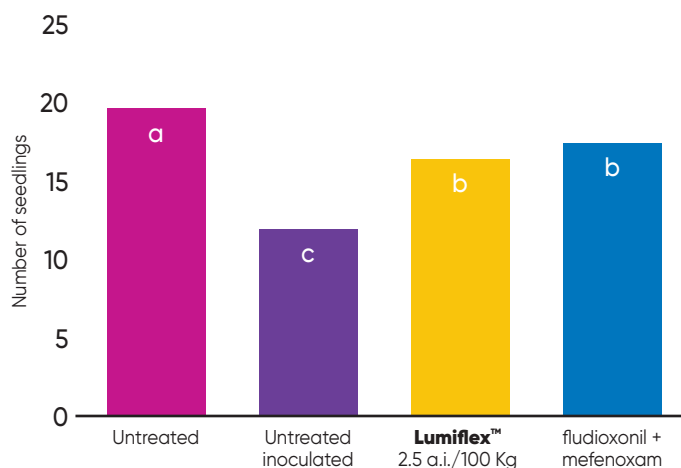
## Crop Safety

- Tested 25 cultivars across Europe
- 69 trials
- Minor transient phytotoxicity equivalent to standards in only 4 trials
  - Triticonazole in head smut trials
  - Ref Fludioxonil + Mefenoxam, Fludioxonil in fusarium & rhizoctonia trials
- No negative effects upon crop yield
- No negative effects upon crop quality metrics
  - Cellulose, Starch, Fat, Ash, Protein, HLW, TGW, Digestibility and Fibre



### Control of seedling blights

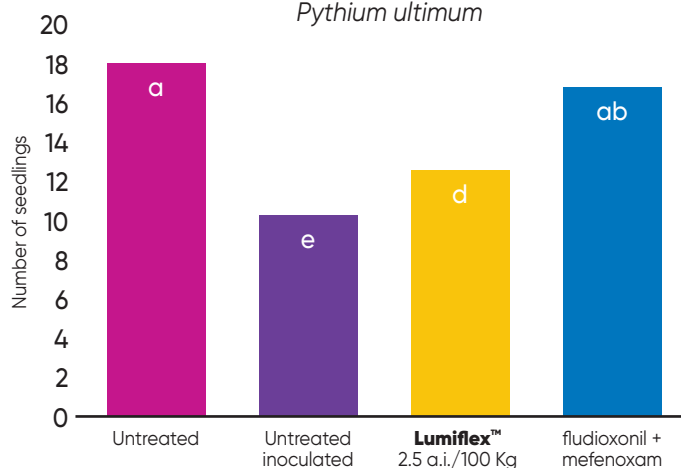
*Fusarium moniliforme*  
*Rhizoctonia solani*



EG 12/05 growth room study with inoculation  
Source: R&D ALS

### Control of seedling blights

*Fusarium moniliforme*  
*Rhizoctonia solani*  
*Pythium ultimum*



EG 12/06 growth room study with inoculation  
Source: R&D ALS

CORTEVA™ AGRISCIENCE has an exclusive distribution agreement for LUMIFLEX™.  
Technical data from ALS.

Follow the label when applying plant protection products.