## Lumisure

**INSECTICIDE SEED TREATMENT** 

## OUR ENHANCED CORN ROOTWORM PACKAGE PROTECTS AGAINST CROP-DAMAGING INSECT PESTS

1250 rate offers genetics, traits and treatment to deliver industryleading results on CRW. Delivered at the highest labeled rate, Lumisure<sup>™</sup> insecticide seed treatment (Clothianidin) enhances protection against corn rootworm larvae, wireworm, grub, grape colaspis, billbug and flea beetle.

## Protection Against Crop-Damaging Pests

	Enhanced CRW Package Lumialza™ nematicide seed treatment Lumisure™ insecticide seed treatment 1250	Bayer Option Poncho® Vovito® 500	Regional Seed Co. Option Cruiser® 250
Corn Nematodes	+++	++	-
Wireworm	++++	+++	++
Cutworm	++	+2	+2
Seedcorn Maggot	+++	+++	++
White Grub	++++	+++	++
Grape Colaspis	+++	++	++
Billbug	+++	-	-
Flea Beetle	+++	++	++
Corn Rootworm	++	-	-

#### Key

- No Control or not labeled

Feeding reduction

<sup>2</sup>labeled for control

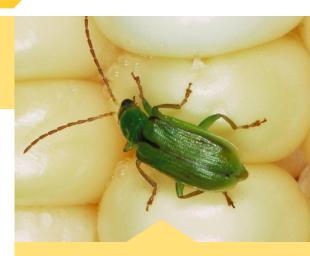
++ Average protection +++ Above average protection ++++ Excellent protection

#### Yield Benefit:

3 bu/A benefit over mid-rate insecticide seed treatment.<sup>2</sup>

<sup>1</sup>Data is based on 10-state broad-acre head-to-head strip trial comparing Lumialza" nematicide seed treatment vs. non-nematicide seed treatment utilizing the same insecticide and fungicide recipe in seed applied technology replicated and strip trial data. Yields ranged from 3 to 9 bu/A depending on nematode species and population, in 184 low-stress and 54 moderate- to high-stress locations.

<sup>2</sup>Corteva Agriscience replicated research 2019-2020.



Northern Corn Rootworm Beetle



Corn Rootworm Larva







# **Lumialza**<sup>™</sup>

**NEMATICIDE SEED TREATMENT** 

## **ACTIVE AGAINST ALL KEY** NEMATODE SPECIES

Lumialza<sup>™</sup> nematicide seed treatment (B. amyloliquefaciens PTA-4838) is a biological nematicide that shields corn roots from harmful nematodes while cooperating with beneficial organisms.

Proven performance is delivered as Lumialza™ nematicide seed treatment expands the bio-barrier to shield roots, inhibiting contact and paralyzing nematodes.

#### **Key Benefits:**

- Provides 80+ days of root protection
- Full coverage provides activity against all key nematode species - sting, needle, lance, stubby-root, root-knot, dagger and lesion
- Improved yields in low- and high-pressure environments ٠
  - o Up to 9 bu/A yield increase in high-pressure environments<sup>1</sup>
  - o **3.7 bu/A** average yield increase under low pressure<sup>1</sup>
  - o Available with Lumisure™ insecticide seed treatment



Normal Nematode Movement



Nematode Paralysis



Untreated

Lumialza<sup>™</sup> nematicide seed treatment



**Bio-Barrier** 



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