Lumiposa®

SEED APPLIED INSECTICIDE

Visibly stronger.

CORTEVA™
agriscience

OVERVIEW

Lumiposa® is a systemic seed treatment insecticide that has been developed to protect young oilseed rape seedlings from a broad range of pests. Plants are rapidly protected from insect feeding damage allowing them to grow more vigorously for a better crop establishment.

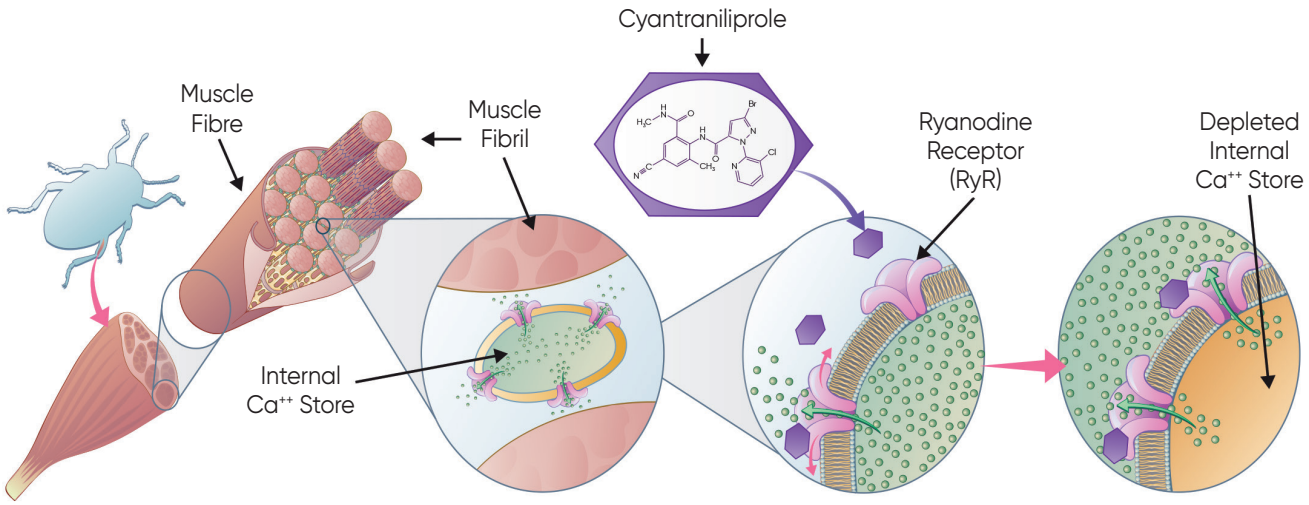
Lumiposa® at a glance

Target crop	Winter oilseed rape
Target disease	*Psylliodes* spp., *Phyllotreta* spp., *Delia radicum, Athalia rosae*
Active ingredient	Cyantraniliprole Chemical class: anthranilic diamide
Dose Rate	50 µg active ingredient per seed
Formulation	625 g/L Flowable Concentrate for Seed Treatment (FS)
IRAC Froup	Group 28 Insecticide
Mode of Action	Impairment of muscle function resulting in rapid feeding cessation, reduced mobility and subsequent death of the insect

Mode of Action

Cyantraniliprole, the active ingredient in Lumiposa®, activates insects' ryanodine receptors (RyRs) which play a critical role in muscle function. Contraction of muscles requires a regulated release of calcium from intracellular stores into the cell cytoplasm.

However, cyantraniliprole molecules bind to the RyRs causing an uncontrolled release of calcium. This prevents muscles from contracting and stops insects from feeding. Thanks to this Mode of Action, Lumiposa® provides nearly immediate protection from feeding damage even though pests may still appear to be active.



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EXCELLENT INSECT CONTROL

Control of key pests

Lumiposa® provides protection against many different insect species, including the cabbage root fly (*Delia radicum*) which is known to be a significant pest across Europe. Lumiposa® is an ideal choice to start your oilseed rape crop protection programme.

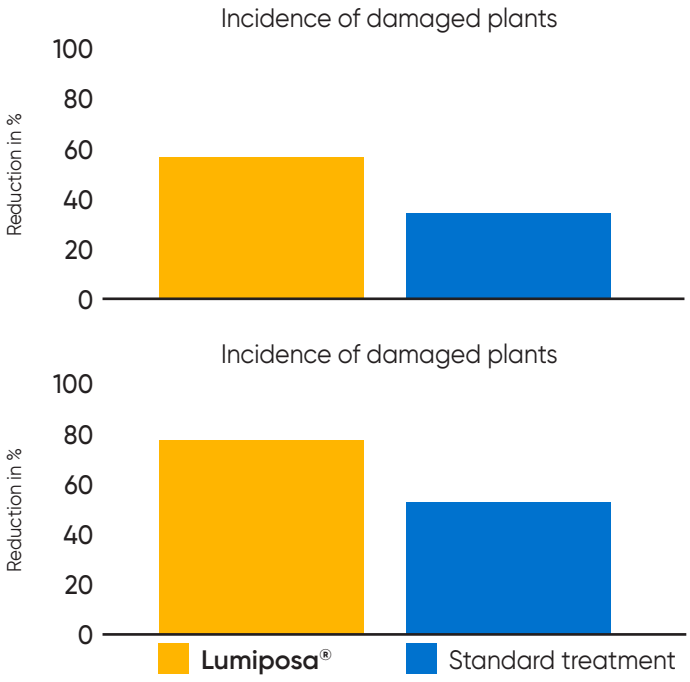
Psylliodes spp.

Phyllotreta spp.

Delia radicum

Athalia rosae

Lumiposa® is highly efficient against cabbage root fly



Source: DuPont, 14 (left) and 12 (right) trials across Europe (2012-2015)

Rapid cessation of pest feeding

Thanks to its Mode of Action, Lumiposa® stops insect 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 higher quality at harvest.

Untreated

Lumiposa®

SUSTAINABLE USE

Resistance management

The active ingredient cyantraniliprole is classified as IRAC Group 28 insecticide. 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 programmes.

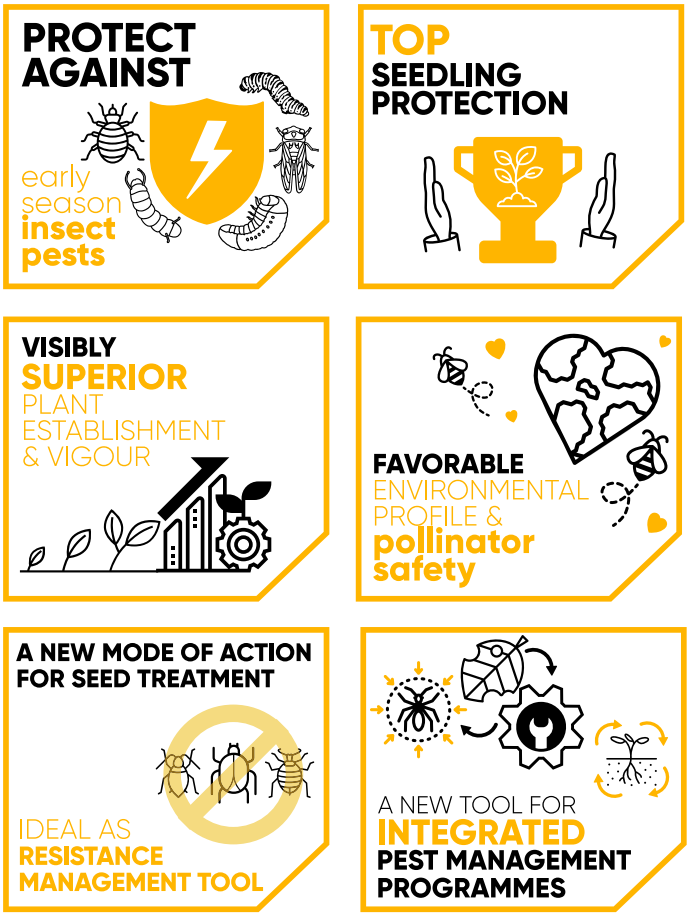
GROUP	28	INSECTICIDE

Environmental profile

Lumiposa® has a favourable toxicological and eco-toxicological profile if applied according to label recommendations. It selectively controls pests that feed on plant tissue. Lumiposa® oilseed rape 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) programmes by maximising the effectiveness of beneficial arthropods.

Benefits of Lumiposa®



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Follow the label when applying plant protection products.