



DESTRUCTION OF SCLEROTIA

## REDUCE SCLEROTINIA IN TOPSOIL FOR THE LONG TERM

Broad Acre



Protect your plants from sclerotia of *Sclerotinia sclerotiorum* and *Sclerotinia minor*. These fungi are responsible for **white mold** lesions causing crop wilting and death. **LALSTOP® CONTANS WG** significantly reduces the expression of symptoms on sensitive crops **by reducing the level of inoculum in contaminated topsoils.**

### TARGETED PESTS:

✓ *Sclerotinia sclerotiorum*

✓ *Sclerotinia minor*

### ADVANTAGES

- Based on a naturally occurring fungus that is safe to growers, consumers, beneficial insects, and the surrounding environment.
- **Flexibility of application:** Pre-planting/planting or after harvest (on crop residues).
- **Compatible** with most IPM programs.
- **No known risks for resistance** due to multiple modes of action.

### MODES OF ACTION

Following the application of **LALSTOP CONTANS WG**, its incorporation into the soil allows the contained spores to make contact with the sclerotia.

The germinating spores of *C. minitans* CON/M/91-08 then penetrate these sclerotia through their germ tube (secretion of  $\beta$ -1,3-glucanases) and produce a mycelium.

This mycelium attacks and destroys the sclerotia. Infected sclerotia are then unable to generate apothecia or produce mycelium of *Sclerotinia* spp.

### CHARACTERISTICS

**Registration number:**  
29066 Pest Control Products Act

**Active Ingredient**  
*Coniothyrium minitans*, strain CON/M/91-08.....5.0%  
Contains a minimum of  $1.0 \times 10^9$  CFU/g

**Package Size**  
20 kg

**Storage information**

- 2 years at 4°C
- 3 weeks at 15°C
- 2 weeks at 20°C
- 3 days at 30°C

**PHI: Up to and including day of harvest**

**Always read and follow label instructions.**

### REGISTERED CROPS\*

- Canola
- Sunflower
- Safflower
- Dry Edible Beans
- Soybeans
- Alfalfa

\*The product can also be applied before the field lies fallow or before sowing/planting a non-susceptible crop, provided that the soil is not plowed before planting the susceptible crop so as to avoid allowing untreated sclerotia from lower soil layers to infect the top soil.

## CROP CYCLE DOSE MANAGEMENT



**Soil preparation**

**Sowing / Planting**

**Harvest**

## APPLICATION RATES

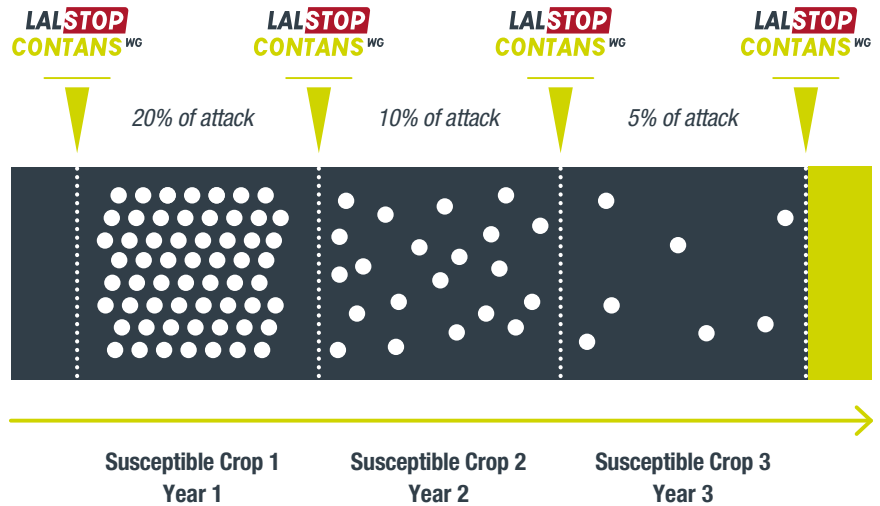
Crop	Pre-Planting/Planting	Onto crop residues
Canola, Sunflower, Safflower, Dry Edible Beans, Soybeans and Alfalfa	1 - 2 kg/ha (1 - 2 lbs/ac) OR 1 - 2 kg/ha (1 - 2 lbs/ac)	+ 0.5 - 1 kg/ha (0.5 - 1 lb/ac)

**LALSTOP CONTANS WG** is applied with conventional spraying equipment on fresh, moist soil with little clods. **LALSTOP CONTANS WG** must be quickly and homogeneously incorporated into the first centimeters of the soil.

## ROTATION MANAGEMENT

Sclerotia are the long-term resting spores of *Sclerotinia*. Buried with plant debris during cultivation, they can survive in the soil for a maximum of 10 years. Brought to the surface by tillage, they germinate and allow the disease to spread again.

In situations of heavy infestation, the application of **LALSTOP CONTANS WG** allows a decrease in pressure by reducing the stock of sclerotia. In this case, the best results are obtained in a rotation with **LALSTOP CONTANS WG** applications over several years.



### About Lallemand Plant Care

For over 100 years, Lallemand has been an expert in yeast and bacteria manufacturing. It is now a global leader in the development, production, and marketing of microorganisms for various industries. Using sound science and know-how, Lallemand Plant Care provides effective microbial-based solutions that deliver agronomic, economic, and sustainable value to growers.