



LALSTOP K61^{WP}

Broad spectrum disease controlling biofungicide

Fight effectively against soil diseases in your strawberry crops

LALSTOP K61 WP contains a high concentration of spores and mycelia of *Streptomyces* sp. strain K61, an actinobacterium with disease controlling properties present in certain soils.



WETTABLE POWDER

MODES OF ACTION

The active bacteria *Streptomyces* K61 operates through several useful modes of action:

1 **COMPETITION:**
depriving pathogenic fungi of living space and nourishment by colonising plant roots.

Lettuce root colonised by Streptomyces K61

2 **HYPERPARASITISM:**
disrupting and destroying cell walls of plant pathogens.

Streptomyces K61 destroying cell walls of a pathogenic fungi

3 **ANTAGONISM:**
producing metabolites that inhibit plant pathogens in a number of ways.

Antagonistic activity of Streptomyces K61 against Fusarium sp. (isolated from tomatoes)

Streptomyces K61
Fusarium
Zone of inhibition

BENEFITS

- **Against a wide range of soil-borne plant pathogens (*Pythium*, *Fusarium* and *Phytophthora*)** that cause damping-off, seedling death, crown-rot, base-rot, wilt and root-rot disease.

ADVANTAGES

- **Broad spectrum of use.**
- **Several modes of action:** low risk of resistance.
- **Persistence of action:** 3 weeks in the soil and growing media.
- **Environmental profile:**
 - without toxicological classification.
 - usable in organic farming and zero residue programmes.

APPLICATIONS

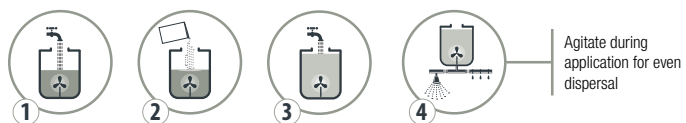
CROP	TARGET	DOSE	STAGES	APPLICATIONS
Strawberries	Soil pathogens	Plantation: 200 g/ha Soil drench: 10 g/1000 plants	At the start of propagation, just before transplanting or at time of transplanting	1 to 2 applications per crop at an interval of 21 days

PREPARATION

Premix concentrate preparation



Mixing in spray tank



COMPATIBILITY

LALSTOP K61 WP is compatible with many chemical pesticides and can be used in Integrated Pest Management (IPM) programmes.

Ask your distributor before mixing with plant protection products.

CHARACTERISTICS

- **ACTIVE INGREDIENT:** 5 x 10⁸ CFU/g (250 g/kg) of spores and mycelia of *Streptomyces* K61
*CFU: Colony Forming Unit. Unit of measure for living microorganisms able to multiply
- **FORMULATION:** wettable powder (WP)
- **PACKAGING:** 25 and 100 g
- **STORAGE:** 12 months in a cool and dry place below +8°C or 2 to 4 weeks at room temperature.
- **AUTHORIZATION n°:** 9809 P/B
- **Usable in organic farming**

USAGE RECOMMENDATIONS

The most efficient way to use LALSTOP K61 WP is preventatively. The active microorganism survives in the rhizosphere for several weeks protecting the crop against pathogens.

LALSTOP K61 WP powder is mainly used in the form of an aqueous suspension.

The application rate depends on whether LALSTOP K61 WP application will be made to a growing medium (soil, compost, other substrate) before sowing or repotting of crop plants or alternatively at a timing from sowing, transplanting, repotting and soil drench of crop plants.

Authorization holder: DANSTAR FERMENT A.G.

Poststrasse 30,
CH-6300 Zug
SWITZERLAND