



## Characteristics

*Streptomyces* sp. Strain K61

**Formulation Type** | Wettable powder

**Contains** | Minimum  $5 \times 10^8$  cfu/g (cfu = colony forming unit) of active ingredient

**Package Size** | 2 lb and 3.5 oz

**Storage** | Store in a cool (below 46°F), dry place. Use all contents in packet the same day



**WETTABLE  
POWDER**

# LALSTOP K61<sup>WP</sup>

## Reliable Protection against Seedling & Root Diseases

Developed from a naturally occurring bacterial strain, *Streptomyces*, LALSTOP® K61 WP is a preventative biofungicide that thrives in the rhizosphere for several weeks. When applied as a drench or spray, the dried spores and mycelium of the *Streptomyces* culture in LALSTOP K61 WP germinate and begin to grow on and around the plant root system. This creates a biological defense against seed and soil-borne pathogens.

### Benefits

- Effective against a wide range of seedling and soil-borne diseases
- Compatible with most chemical pesticides for use in an Integrated Pest Management program
- OMRListed
- Growth promotion
- No residues on edible crops
- Effective in organic and inorganic growing mediums
- REI 4 hours
- 0 day PHI

### Mode of Action

**Competition:** Deprives pathogenic fungi of space and nourishment by colonizing the plant roots

**Hyperparasitism:** Produces enzymes, which disrupts the cell walls of pathogens

**Metabolites:** Inhibits plant pathogens

Application	Target	Unit of Measure	Value for Given Unit of Measure per LALSTOP K61 WP Package Size	
			3.5 oz. (100 g)	2lbs
Dry seed treatment	Ornamentals, trees and conifers	Pounds of seeds	40	225
Seed soak and transplant or cutting dip	Seeds, transplants and cuttings	Gallons of water	25–250	115-1,135
Soil spray or drench	Growing medium	Cubic yard	50–100	225-455
	Bedding plants, foliageplants, flowering plants, trees, conifers, forest seedlings, woody ornamentals		5,000–10,000	22,680-45,360
	Small seedlings	Square feet	20,000–40,000	90,720-181,440
	Band or in-furrow application and side dress application		10,000–20,000	22,680-90,720
	Turf		20,000–24,000	90,720-113,400
Drip irrigation	Field crops such as tree and forest seedlings	Square feet	5,000–10,000	22,680-45,360
	Ornamentals	Number of plants	4,000–20,000	9,070-90,720
Spray to suppress <i>Botrytis</i>	Ornamentals	Gallons of water	250	1135

## Effective Pathogen Control

### LALSTOP K61 WP Provides Effective Control on a Wide Range of Pathogens Which Include:

- Damping-off caused by various fungi, such as *Alternaria* and *Rhizoctonia solani*
- Wilt and root diseases caused by *Fusarium*, *Phytophthora* and *Pythium*