

SUBTILEX[®] NG

Biological Fungicide for Protection Against Soil Borne Pathogens

Fight soil borne pathogens with Subtilex[®] NG biological fungicide.

Made with the exclusive MBI 600 strain of the bacteria *Bacillus subtilis*, Subtilex NG immediately colonizes plant roots, excluding soil borne pathogens like *Rhizoctonia* spp. and *Fusarium* spp., and produces a metabolite that destroys the pathogen's cell wall.

The plant-growth-promoting bacteria in Subtilex NG produces an endospore that allows it to endure extreme environmental conditions like heat and desiccation, providing a more flexible application window.

The dry, water dispersible formulation of Subtilex NG mixes easily for trouble-free applications that won't clump or clog equipment.

Ideal for use in IPM programs, Subtilex NG biological fungicide will not harm non-target organisms like beneficial nematodes.

Plants treated with Subtilex NG are stronger and healthier with overall uniform growth.

The result is high quality plants and happy customers.

Rhizoctonia in cucumbers and peppers



In the photos on the left, cucumber and pepper plants were infected with *Rhizoctonia* spp. pathogen.

Plants protected by Subtilex NG showed:

- Greater seedling emergence
- Less incidence and severity of disease

These pictures show a clear advantage of using Subtilex NG biological fungicide!

All plants in the photos above are infected with *Rhizoctonia*, but only the pots on the right side of each photo were treated with Subtilex NG at planting.

EXTREMELY EFFECTIVE BIOLOGICAL PROTECTION

- **Long shelf life**
- **No refrigeration needed**
- **Resistant to harsh environmental conditions**
- **Won't clog application equipment**
- **Compatible with biological and chemical products**
- **Small product packaging for grower convenience**

QUALITY GUARANTEE

Becker Underwood is committed to quality. Products are formulated and manufactured according to the most current and strict ISO 9001:2008 specifications. Subtilex NG ingredients have been carefully selected for their wide distribution on plant species, aggressive colonization of roots, and ability to improve plant health.

SUBTILEX® NG

Effective Biological Protection
Against Soil Borne Pathogens

Packaging

Available in 6 x 2 oz. (56.7 g) bottles.

Direction for Use

For use as a soil or growing media treatment, apply Subtilex® NG as a water-based slurry to soil or growing media for preventative control and suppression of plant root pathogens *Rhizoctonia* and *Fusarium* spp.

If desired, tank mix Subtilex NG with other registered fungicides, fertilizers or insecticides. Prior to mixing, determine compatibility by mixing proportional quantities of the products in water.

Begin applications during or after seeding, sticking of cuttings, or transplanting to pots, trays or containers, or when environmental conditions are favorable for disease development. For optimal control use every 21-28 days throughout the growing cycle.

Usage Rates

For pre-plant growing media amendment applications:

- Apply Subtilex NG at a rate of 0.05-0.07 oz./yd³ of soil or growing media (1.8-2.6 g/m³).
- Use the higher rate when environmental conditions are favorable for disease development.
- Maintain constant agitation to evenly distribute Subtilex NG in the mixture.
- Apply Subtilex NG as a water based slurry in a volume of water sufficient for uniform distribution.
- Typical application volume is 1-20 gal./yd³ (5-100 L/m³) of soil or growing media.
- Ensure product is thoroughly mixed into soil or growing media.

For field and greenhouse post-plant applications:

- Mix 0.2-0.4 oz. of Subtilex NG in 100 gal. of water (15-30 g/1,000 L).
- Use the higher rate when environmental conditions are favorable for disease development.
- Maintain constant agitation to evenly distribute Subtilex NG in the mixture.
- Apply evenly with conventional application equipment. Thoroughly soak the growing media through root zone.

Rate		Water Volume	Amount of Pots Treated		
oz.	scoop* or tsp.	gal.	4 in. pots	6 in. pots	8 in. pots
0.4	3	100	8,500	2,300	1,000
0.8	6	200	17,000	4,600	2,000
1.2	9	300	25,000	6,900	3,000
1.6	12	400	34,000	9,200	4,000
2	15	500	42,650	11,500	5,000

*A 5 cc scoop is included in the Subtilex NG container.

Fusarium in peppers



A. No protective treatment.

B. Treated with Subtilex® NG at planting.

Contact your Becker Underwood representative or local distributor for more information.