

Subtilex[®] NG

Biological Fungicide

EPA Reg. No. 71840-8. EPA Est. No. 67064-IA-001

General Description

Subtilex[®] NG biological fungicide protects against soil borne pathogens. The Subtilex NG bacteria rapidly colonize root surfaces, multiplying and growing with the roots, as well as producing metabolites that preventively limit growth and development of disease organisms which provides a level of protection against diseases like *Rhizoctonia solani*, *Fusarium* spp. and *Pythium* spp.

Subtilex NG should be used within an integrated pest management (IPM) program. As opposed to other biological fungicides, Subtilex NG is tank-mix compatible with conventional fungicides and will not harm nontarget organisms such as beneficial nematodes or other beneficial insects.

Apply Subtilex NG directly to the soil or as a drench when the crop is planted. It is ideal for use on greenhouse and nursery ornamentals, vegetables, herbs and fruits.

Directions 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, including *Rhizoctonia solani*, *Fusarium* spp. and *Pythium* 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.
- Constant agitation is required to maintain Subtilex NG in suspension.
- 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.

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Packaging

Available in 6 x 2 ounce (56.7 gram) bottles.

EPA Signal Word

CAUTION

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.
- Constant agitation is required to maintain Subtilex NG in suspension.
- 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 the 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.
- Constant agitation is required to maintain Subtilex NG in suspension.
- Apply evenly with conventional application equipment to thoroughly soak growing media or soil through root zone.

Recommended Rates

Rate		Water Volume	Number of Pots		
oz.	scoop* or tsp.	gal.	4 in.	6 in.	8 in.
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.