

FORGE[®]_{SP}

Intended Uses: Forge SP is a high concentration of a unique beneficial microorganism that naturally complexes iron, making it more available to plants.

PREHARVEST AND RE-ENTRY INTERVALS:

Forge SP can be applied up to and including the day of harvest. There is no reentry interval.

APPLICATION DIRECTIONS:

Compatibility:

Forge SP can be tank mixed and dry mixed with all chemical fungicides, insecticides, and fertilizers unless otherwise restricted. Do not apply soil fumigants to the areas treated with Forge SP.

Application Timing:

Apply Forge SP throughout the growing season from early spring to late fall.

Note: Since Forge SP contains live spores of a microbe, best results will be obtained by applying when temperatures can support microbial growth. Forge SP becomes active in soil or on the plant foliage when the daytime temperatures are above 55° F and is not effective when temperatures remain cold.

GREENHOUSE CROPS

Soil Drench: Use 4-6 oz of Forge SP in 100 gallons of water to create solution. Apply solution as a drench to plants/growing until soil is saturated just prior to run-off.

Soil Incorporation: Mix or spray evenly into soil at a rate of 1.5-oz per cubic yard of soil.

Hydroponics systems: Use 3-12 oz per 100 gallons of water. Reapply every time water is changed.

Foliar Spray: Apply 6-12 oz Forge SP per acre. Dissolve Forge SP in 50-100 gallons of water and apply to foliage and blossoms every 7 to 14 days depending on disease pressure. Spray wet to run-off

For smaller quantities: Use 1 teaspoon of Forge SP/gal of water as a dilution and apply as above.

Forge SP can be applied using hand-held backpack or ground spray equipment. Clean application equipment before use of this product and use prepared sprays within 4 hours of preparation. For best results, use a non-ionic spreader-sticker in conjunction with application. Consult manufacturer or sales representative for specific suggestions.

OUTDOOR AGRICULTURE PRODUCTION

Soil Treatment At Planting:

Use at planting, in-furrow, seeding, or transplant. Apply 1-12 oz. of Forge SP in 10-200 gallons of water per acre. Refer to the "Crops On Which Forge SP May Be Used" section for crop-specific application rates.

Soil Treatment Through Irrigation:

Forge SP may be used in drip, overhead, or other irrigation systems at any stage of plant growth as a soil treatment. Apply 1-12 oz. of Forge SP in 10-200 gallons of water per acre.

Seed Treatment:

Seed Spray or Slurry Coating: Apply this product through mist-type commercial seed treatment equipment, slurry or other comparable methods that provide thorough coverage of treated seed. Prior to planting, dissolve 1-6 oz. of Forge SP in 1-4 oz of water per cwt of seed and spray directly on seed.

Hopper Box Dry Coating: Apply directly to seed as a dry coating at a rate of 1-6 oz per cwt of seed. Apply as to insure even coating on seeds.

Foliar Treatment:

Use 3-12 oz of Forge SP in 10-150 gallons of water per acre. Apply initial application as early in the season as possible. Reapply every 7-21 days depending on desired results and environmental conditions.

Forge SP can be used in all types of spray equipment including aerial applications.

Dusting and Coating of Bulbs, Corms, Tubers, Rhizomes and Seeds:

Prior to planting or shipping, evenly dust bulbs at a rate of 2-6 oz. of Forge SP per cwt of bulbs, corms, tubers, rhizomes or seed

CONTAINS NON-PLANT FOOD INGREDIENT

<i>Streptomyces nigrescens</i> MR5411.0%
Other Ingredients:99.0%
TOTAL	..100.0%

Forge SP contains the inoculant microorganism *Streptomyces nigrescens* strain MR541* at a minimum of 1×10^7 cfu/gr
Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm>

Guaranteed by: Blacksmith BioScience
504 Spring Hill Rd #440
Spring Texas 77386
www.blacksmithbio.com

Net Weight – 17.54 oz (500 gr)/18.75 lb (8.55 kg)

CROPS ON WHICH FORGE SP MAY BE USED	SOIL DRENCH RATE	FOLIAR SPRAY RATE
Agronomic Field and Row Crops: Cotton, soy, corn (all types), canola, safflower, sunflower, wheat, lentils, peas and other agronomic field & other row crops	1-3 oz/acre	3-12 oz/acre Reapply every 7-21 days
Berry Crops: Strawberries, blueberries, blackberry, raspberry, & other berry crops Cucurbit Vegetables Cucumbers, melons, gourds, squash, cantaloupe, & other cucurbits Citrus Orange, grapefruit, lemon, tangerine, tangelo, lime, & other citrus crops Fruiting Vegetables Eggplant, sweet peppers, hot peppers, tomatoes, tomatillos, & other fruiting vegetables Grape Wine grapes, table grapes, raisins & other grape crops Herbs, Spices and Mints Sage, rosemary, thyme, peppermint, basil, oregano, hops & other herbs and spices Leafy Vegetables and Cole Crops: Asparagus, broccoli, Brussels sprouts, cabbage, cauliflower, celery, collards, endive, kale, lettuce, mustard greens, parsley, spinach & other leafy vegetable crops Legume and Vegetable Crops: Snap and dry beans, lentils, succulent and dry peas & other legume crops Ornamentals All indoor and outdoor ornamental plants grown in greenhouses, nurseries or field Pome Fruit Apple, crabapple, pear, quince, mayhaw & other pome fruit Potatoes All potatoes Root/Tuber and Bulb Crops: Garlic, onions, carrot, ginger, ginseng, horseradish, turnip & radish Small Grains: Rice, rye, millet & other small grains Stone Fruit Apricot, cherry, nectarine, peach, plum, prune & other stone fruit Tree Nuts Almond, pistachio, pecan, walnut, filberts & other tree nuts Tropical Fruits Avocado, mango, papaya, bananas/plantains & other tropical fruits Turf All turf, lawns and athletic fields of all kind Other Crops Watercress, Mushrooms, Ginseng, Olives, Tobacco, Medicinal Herbs, Green Leafy Plants	3-12 oz/acre Reapply every 14-60 days	3-12 oz/acre Reapply every 7-21 days

STORAGE AND DISPOSAL

Storage: Do not store in extremely high temperatures (above 130°F).
 Disposal: Completely empty container. Then dispose of empty bag in a sanitary landfill or by incineration or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

LIMITED WARRANTY/DISCLAIMER

Manufacturer warrants that this product is suited for the labeled use when applied according to label directions. Manufacturer makes no warranty of merchantability. There are no warranties that extend beyond the description on the face hereof and in no event shall manufacturer be liable for any consequential damages.

Expiration Date: