NITRYX SP

NITROGEN FIXING BACTERIA

CONTAINS NON-PLANT FOOD INGREDIENT

Paenibacillus polymyxa .....2 X 10^9 cfu/g

Information regarding the contents and levels of metals in this product is available at www.blacksmithbio.com

Manufactured and guaranteed by:
Blacksmith BioScience
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BLACKSMITH BIOSCIENCE

OMRI LISTED For Organic Use

Net Weight – 16 oz (454 g)

Intended Uses: Nitryx SP is a high concentration of a unique bacteria that fixes nitrogen from the atmosphere and increases the content of plant available nitrogen in soil.

Compatibility: Nitryx SP can be tank mixed with chemical and fertilizers as well as other biologicals.

APPLICATION DIRECTIONS:

For residential use or smaller quantities

Foliar Spray and Soil Drench: Use 1-2 teaspoons of product per gallon of water as general dilution. Apply as a foliar spray or soil drench applications.

Reservoir Application: Use ½-2 teaspoons per gallon of reservoir. Reapply each time reservoir water is changed.

Greenhouse/Nursery

Soil Drench: Dissolve 2-12 oz per 100 gallons of water and apply to soil as a normal drench (soak pot until growing media is saturated without creating runoff).

Foliar Spray: Use 1/2-1 ounce per 10,000 sq ft. Dissolve in water and spray plants until wet to run off.
Reapply every 2-12 weeks

Soil Incorporation: Use 1-3 oz per cubic yard of soil or growing media. Blend evenly into growing media via spray, dry blender, or any other appropriate method.

Outdoor Agriculture Production

Soil Application: Apply 2-12 ounces per acre. Apply Nitryx SP® to the soil as a drench, through irrigation, at transplant or other means to move the product to the plants root system.
Reapply every 1-8 weeks.

Foliar Application: Use 2-12 ounces per acre. Dissolve in appropriate amount of water and apply as a foliar spray to plants leaves until wet to run off.
Reapply every 7-28 days.

In Furrow Application: Use 0.5-12 oz of Nitryx per acre applied over the seed or as a side dressing during furrow application.

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 Nitryx 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.

Hydroponic Systems: Use 2-12 oz per 100 gallons of tank water. Dissolve into reservoir before, with or after adding nutrients. Reapply Nitryx SP each time reservoir water is changed.

Turf: Apply 16-oz, dissolved in water, for the initial application to the soil. Apply as a foliar spray or soil application. Repeat at 8-oz per acre every 4 weeks throughout the growing season.

Composting: Dissolve 2-oz of Nitryx SP into 50 gallons of water to create solution. Apply solution to compost at a rate of 50 gallons per 20 cubic yards of soil.

Compost Teas: Add 1/2 tsp of Nitryx SP per gallon of final compost tea solution. If creating compost tea, add Nitryx SP after the process is complete and just prior to application.

Bed, Field or Row Preparation: Apply ½ - 4 ounces per acre. Apply Nitryx SP to the soil during tilling, bed preparation or at any time before, during or after planting or harvesting. Apply so the product is moved into the area of the soil where decomposition is needed by tilling in or spraying in.

Nitryx can be used on all crops including but not limited to:

Agronomic Field & Row Crops: Buckwheat, corn (all types), cotton, canola, safflower, sunflower, succulent and dry peas, peanuts, soybeans, and other agronomic field and row crops
Alfalfa Hay & Forage: Alfalfa, clover, vetch, trefoil
Cucurbit Vegetables: Cucumbers, melons, gourds, squash, cantaloupe, and other cucurbits
Fruiting Vegetables: Eggplant, sweet peppers, hot peppers, tomatoes, tomatillos and other fruiting vegetables
Herb, Spices & Mints: Sage, rosemary, thyme, peppermint, dill, basil, oregano, medicinal herbs and other herbs and spices
Leafy Vegetables & Cole Crops: Asparagus, broccoli, Brussels sprouts, cabbage, cauliflower, celery, collards, endive, kale, kohlrabi, lettuce, mustard greens, parsley, spinach and other leafy vegetable crops
Legume & Vegetable Crops: Snap and dry beans, lentils, succulent and dry peas, peanuts, soybeans and other legume/vegetable crops
Small Grains: Rye, rice, sorghum, millet and other small grains
Root Tuber & Bulb Crops: Garlic, onions, potatoes, sweet potatoes, carrot, ginger, ginseng, horseradish, turnip, beets, radish and other root-tuber/bulb crops
Berry Crops: Blueberries, blackberry, raspberry, loganberry, huckleberry, gooseberry, elderberry, currant, caneberry and other berry crops, strawberry
Citrus: Orange, grapefruit, lemon, tangerine, tangelo, lime, pummelo and other citrus crops
Corn: Popcorn, seed corn, sweet corn and other corn crop**s**
Grape: Wine grapes, table grapes, raisins and other grape crops
Pome Fruit: Apple, crab apple, pear, quince, mayhaw and other pome fruit
Stone Fruit: Apricot, cherry, nectarine, peach, plum, prune and other stone fruit
Tree Nuts: Almond, pistachio, pecan, walnut, filberts and other tree nuts
Tropical Fruits: Avocado, mango, papaya and other tropical fruits
Ornamental Crops and turfgrass: All annual, perennial, trees, shrubs, ornamental grasses, turf grass and lawns of all types
Other Crops: Bananas/ plantains, tobacco, hops, watercress, mushrooms, ginseng, coffee, olives, green leafy plants and all crops grown for seed
Tobacco

STORAGE AND DISPOSAL

Storage: Do not store in extremely high temperatures (above 130F).

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 this label and in no event shall manufacturer be liable for any consequential damages.

Expiration Date: 00-00-000