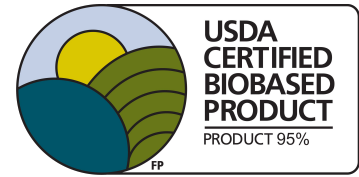


Biosol Forte

Product Data Sheet



PROPERTIES OF BIOSOL FORTE, A NATURE-BASED SOLUTION

Biosol Forte's beneficial bacterial biomass and fungal biomass enhance soil health and microbial life. This unique slow-release nutrient formulation provides vital plant nutrients throughout the entire growing season due to the fermented organic material. There is an increased effect on the formation of humus, root mass and the living microbial biomass in the soils. Promoting a healthy balance of microbial life ensures long-term plant color and plant health. This results in far lower concentrations of nitrates or phosphorous in groundwater than mineral fertilizers. Biosol Forte will not burn seed or vegetation.

Biosol Forte is safe to be used around pets, animals, children, lakes and streams.

COMPOSITION OF BIOSOL FORTE

Biosol Forte is 96% fungal & bacterial biomass and 4% water.

SPECIFICATION

Nutrient Ratio: N-P-K = 7-2-1

Guaranteed Analysis:

Total Nitrogen (N)	7%
Water Soluble Nitrogen	0.50%
Water Insoluble Nitrogen*	6.50%
Available Phosphate (P ₂ O ₅)	2%
Soluble Potash (K ₂ O)	1%

Nutrients Derived from Fermented Cottonseed Meal & Soybean Meal:

Organic Matter	> 75%
Carbon/Nitrogen Ratio	5:1
pH Level	5.8-6.8

**6.5% slowly available nitrogen from fermented Cottonseed Meal and Soybean Meal*

Biosol Forte does not contain any animal waste, animal by-products or any chemicals. Any heavy metal contents are within the tolerance limits for animal feed.

MANUFACTURING OF BIOSOL FORTE

A beneficial fungal biomass (mycelium) is obtained by the fermentation of raw materials such as soybean meal, cottonseed meal, sucrose, lactose, trace elements and vitamins under constant sterile conditions. The fungus strain used is *Penicillium Chrysogenum* (dry mycelium). A nutrient broth of active ingredients is extracted from that fungal biomass and is mixed with a bacterial biomass (from the manufacturing of various antibiotics, enzymes, proteins, etc.). This broth then undergoes a second fermentation of 20-24 hours in which the dissolved nutrients are bound in a bacterial biomass. The biomass is dried at 110°-130° C for approximately 4-6 hours.

Biosol Forte is not certified for organic crop or organic food production. Biosol Forte is a fermented plant based organic fertilizer, sterilized and free of weed seeds.

Contact Us

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APPLICATIONS OF BIOSOL FORTE

Revegetation of Disturbed Soils

Biosol Forte is ideal for any application involving poor or disturbed soils, including mining reclamation, road cut revegetation, high altitude revegetation and soil restoration. Used for both primary and secondary fertilization in good soils, Biosol Forte can be dry broadcasted or applied with a hydroseeder. There is no difference in the results.

Lawns, Gardens, Flowers, Trees, Etc.

Biosol Forte will not burn vegetation but should be watered in (if possible) for best results.

Application Rates:

Lawns & Playing Fields:	13 - 25 lbs. per 1,000 sq. feet twice per year
Garden Preparation:	2 oz. per sq. yard (1/3 cup)
Seeded Row Crops:	1 1/3 lbs. per 100 sq. feet (3 3/4 cups)
Potted Flowers & Compost:	1/2 oz. per gallon (1/8 cup)
Vegetables:	2 oz. per sq. yard (1/3 cup)
Ornamental Trees/Shrubs:	6 oz. per sq. yard (1 cup)
Soil Mixes:	8 1/2 lbs. per cu yard

Turf Grasses, Forestry (Trees and Shrubs)

The lasting efficacy of Biosol Forte is particularly beneficial for turf grasses, and Biosol Forte has been used and tested by Forestry Services and Departments all around the world. First year applications should always be the heaviest. Application rates after the first year may be reduced.

Fertilizing Young Plants

Good & proper farming practices should always be followed when using Biosol Forte. It is very important that Biosol Forte is spread on the soil surface. If you want to plant young plants, add Biosol Forte to the soil at least two weeks before planting actually occurs. This is especially important with tomatoes and peppers.



**Before Biosol Forte
& 3 Years After
Biosol Forte**



**Before Biosol Forte
& 2 Months After
Biosol Forte**



STATE REGISTRATION NUMBERS

We are registered in other states as well. Information is available upon request.

California: License #12944 & Product #69248

Colorado: License #9008 & Product #83445

Oregon: License #AR0163559FPR

Washington: License #0281 & Product #0003



Bowman
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Supply Inc.



Quick
Supply Co.



Cascade
GEOSYNTHETICS

LOCATIONS & CONTACT INFO

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SOLUTIONS WE SUPPLY

GEOSYNTHETICS

Filter Fabrics

Stabilization Fabrics

Geogrids

- Road Grids
- Wall Grids
- Slope Stabilization

Specialty Fabrics

Composite Geomembranes

- GCLs, PVC, HDPE, LLDPE, EPDM, Granular Bentonite

SEDIMENT CONTROL

Inlet Protection

- Grated Inlet, Curb Inlet, Area Inlet Protection

Ditch Checks

- Triangle Silt Dike
- GeoRidge

Perimeter Protection

- High and Low-Porosity Silt Fence, Straw Wattles, Silt Socks
- Safety Fence

Flocculants & Water Treatment

- Polymer-Based & Natural Flocculants

Sediment Basin Skimmers

Dewatering Bags

Trackout Control

- FODS
- Rumble Grates

Turbidity Curtains

EROSION CONTROL

Basic Hydraulically Applied Mulches

- Wood
- Paper
- Blends
- Straw

High-Performance Hydraulically

Applied Products

- BFM
- FGM
- Additives & Tackifiers

Temporary Erosion Control Blankets

- Coir & Jute Mat/Nettings
- Short-Term ECBs
- Extended-Term ECBs

Permanent Erosion Control Blankets

- Turf Reinforcement Mats
- HP-TRMs
- Anchor Reinforced Vegetation System

Structural BMPs

- Transition Mats
- Geoweb Cellular Confinement
- Composite Vegetated Armor System
- Flex MSE Vegetated Wall System
- Articulated Concrete Block
- Gabions
- Grout-Filled Geotextile Mats

Vegetation Establishment

- Native Seed & Turf Seed
- Fertilizers
- Organic Soil Additives
- Stratavault Soil Cells

STORMWATER MANAGEMENT

Water Quality

- Inlet Filter Boxes
- Pre-Treatment Chamber
- Nutrient Separating Baffle Boxes
- High-Flow Biofiltration Media
- Hydrodynamic Separators
- Stratavault

Water Quantity

- Modular Underground Storage Systems
- Chamber Detention Systems

Drainage

- HDPE Swale Liner
- Pipe & Fittings
- Drainage Composites
- Strip Drain

Inlet Structures

- PVC
- Drain Basins, In-Line Drains
- Landscape

Permeable Pavers

- Permeable Articulating Concrete Block
- Grass Pavers
- Gravel Pavers
- Concrete Pavers

SPECIALTY

Natural & Synthetic Coir Fiber Logs

Vegetated Reinforced Soil Slopes

Soil Anchors

Root Barrier System

AquaBlok

Muscle Wall

We are full line distributors of construction materials for all project types. Contact us for assistance with a project. From specification and development to installation and completion, we're here to help with all of your site solution needs.

**GEOSYNTHETICS | EROSION CONTROL | STORMWATER MANAGEMENT
SEDIMENT CONTROL | REVEGETATION & SOIL AMENDMENTS**