FIBER MARKETING INTERNATIONAL
EROSION CONTROL PRODUCTS

GENERAL DESCRIPTION

MANUFACTURE:

During the manufacture of penicillin, a 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. After the penicillin is removed, the remaining biomass is dried at 110 to 130° C for 3 to 4 hours. During this process the residual antibiotic is eliminated and the moisture is reduced by 3 to 6%. Then, 3% potassium-magnesia, from a naturally occurring source, is added to the dried biomass (dry mycelium). Finally, the mixture is granulated and placed in 55-pound (25 kg) recyclable plastic bags.

Biosol is sterilized and free of weed

seeds. ***COMPOSITION:***

96% fungal biomass (dry mycelium), 1% water, and 3% potassium

magnesia. **NUTRIENT RATIO:**

N-P-K = 6-1-3

Specifications:

Organic Substance > 70 %
Carbon/Nitrogen Ration 6:1
Nitrogen (total) .....> 6%
Nitrogen (water soluble) .....< 0.5%
Phosphorus (P205) 1-2%
Potash (K_20) 3-4%

pH level 4

Heavy Metal Contents:
Nickel (Ni) mg/kg of DS < 50
Chromium (Cr) ..... mg/kg of DS < 50
Lead (Pb)..... mg/kg of DS ..... < 50
Cadmium (Cd) mg/kg of DS < 1
Mercury (Hg)..... mg/kg of DS..... < 01
Zinc mg/kg of DS ..... <010

Please note: The heavy metal contents are within the tolerance limits for animal

feed. ***Properties:***

Slow release of the organically bound nitrogen provides sufficient supply of this vital nutrient to plants. There is a positive effect on the formation of humus, root mass, and the living microbial biomass. This results in far lower concentrations of nitrate in ground water than mineral fertilizers. Safe to be used in grassland, wetlands and environmentally sensitive areas.

APPLICATIONS:

Organic Farming

Biosol will attribute to stronger and healthier crops while enhancing the vitality of your soil therefore producing higher crop yields in a natural way.

California Certified Organic Farmers, Inc. has approved and certified Biosol for use in organic farming. It has also been approved for organic farming in Washington, Oregon and Massachusetts.

REVEGETATION OF DISTURBED SOILS WITH LOW HUMUS CONTENT:

Mining Reclamation, Road Cut Revegetation, High Altitude Revegetation

- Biosol is used for both primary and secondary fertilization despite the soil quality.
- ❖ Biosol stimulates micro-organism activity in soils.
- It can be dry broadcasted or applied with a Hydroseeder. There is no appreciable difference in the results.

Application Rates: 800 — 1,800 lbs. Per acre.

Viticulture (cultivation of grapes)

Biosol has been used all over the world for several years with superior results. During thirteen years of experiments and trials from 1988 — 2001, Biosol was proven to increase sugar yields in grapes. The average yearly sugar yield was increased by approx. 13%.

Application rate: 600-900 lbs. Per acre

Forestry

Biosol has been used and tested by Forestry Services and Departments all around the world.

Application Rates:	Young Trees	3 oz. Per plant
	Mature Trees	6 oz. Per plant

Golf Courses

The lasting efficiency of Biosol is particularly advantageous. First year applications should always be the heaviest. Application rates after the first year may be reduced.

Application Rates:	2000 lbs. Per acre for fairways per year.
	1000 lbs. early spring, 1000 lbs. late fall.

Lawns, Gardens, Flowers, Trees, etc.

Biosol will not burn vegetation but should be watered in (if possible) for best results. Biosol was originally sold as a feed for livestock and fish; therefore it is safe to apply in areas where animals and children may play.

Application Rates:

Lawns and Playing Fields:	33 lbs. Per 1,000 sq. feet
Garden Preparation:	2 oz. Per sq. yard (1/3 cup)
	1 1/3 lbs. Per 100 sq. feet (3 3/4 cups)
Potted Flowers and Compost:	1/2 oz, Per gallon (1/8 cup)
Vegetables:	1 1/2 oz. Sq. yard (3/4 cup)
Ornamental Trees, Shrubs:	6 oz. Per sq. yard (1 cup)