



CONTAINS NON-PLANT FOOD INGREDIENTS

Bacillus amyloliquefaciens	9.45X10 ⁵ cfu/ml
Bacillus licheniformis	5.40X10 ⁵ cfu/ml
Bacillus megaterium	1.35X10 ⁵ cfu/ml
Bacillus pumilus	4.86X10 ⁷ cfu/ml
Bacillus subtilis	1.35X10 ⁷ cfu/ml
Bacillus subtilis var natto	1.08X10 ⁷ cfu/ml
Bacillus polymyxa	4.05X10 ⁵ cfu/ml
Bacillus firmus	5.40X10 ⁶ cfu/ml
Bacillus mucilaginosus.....	5.40X10 ⁵ cfu/ml
Bifidobacterium animalis.....	4.05X10 ⁵ cfu/ml
Bifidobacterium bifidum	8.10X10 ⁵ cfu/ml
Bifidobacterium longum	8.11X10 ⁵ cfu/ml
Lactobacillus acidophilus	6.75X10 ⁵ cfu/ml
Lactobacillus buchneri	1.62X10 ⁶ cfu/ml
Lactobacillus casei subsp. casei.....	1.22X10 ⁶ cfu/ml
Lactobacillus delbrueckii bulgaricus.....	2.70X10 ⁵ cfu/ml
Saccharomyces cerevisiae	9.45X10 ⁵ cfu/ml
Streptococcus salivarius subsp. thermophilus	1.35X10 ⁷ cfu/ml
Trichoderma harzianum.....	2.70X10 ⁷ cfu/ml
Trichoderma koningii	3.60X10 ⁸ cfu/ml
Trichoderma polysporum.....	3.60X10 ⁸ cfu/ml

Total Biological Consortium..... 8.48X10⁸ cfu/ml

Expires _____

Net Volume _____ U.S.
Gallons

Density (68 °F) 8.5 lbs./gallon (U.S.)

Information regarding the contents and levels of metals in
this product is available on the internet at:

<http://www.aapfco.org/metals.htm>

PRODUCT INFORMATION

Bios is a concentrated microbial inoculum formulated with broad spectrum beneficial bacillus and Trichoderma Fungi species. Bios is known as a Plant Growth Promoting Rhizobacteria (PGPR). This inoculum provides more than traditional plant nutrient uptake by promoting healthy soil biofilm on strategic root and plant surfaces. These AGBIOFILM layers become strategic exchanges for nutrient flow and relief of crop stress. Carbon flows efficiently back and forth through these layers carrying nutrients to the plant and sugars back

to the microbes. This exchange is key for effective yield increase. Bios is a liquid substrate to establish AGBIOFILM ecosystems in the soil, on the leaf surface, and the root rhizosphere. Bios applications provide the best means to transport, propagate, and stabilize biological cultures on these AGBIOFILM surfaces. Bios increases plant vigor, yield, and quality of produce. Bios is recommended to provide, promote, and sustain microbial activity by a two dimensional approach. 1. Supply known microbial species for organic, conventional agriculture, and horticulture with guaranteed cfu/ml. 2. Deliver adequate nutrition to establish each microbial culture.

RECOMMENDED APPLICATION

Application rates: 5-50 GALLONS/ACRE per year on all field crops. This product can also be used in the following ways; foliar, fertigation, drench, and in furrow at planting. Mix 8-16 ounces in 5 gallons of water for root dip and/or pre-irrigation. Contact a local Valley Agronomics representative for more specific rates and instruction. This product may be mixed with a variety of fertilizers and pesticides. Please call for further directions. Always perform a jar test to ensure compatibility.

HANDLING AND STORAGE

Follow appropriate safety procedures. Skin contact may cause temporary staining. In case of accidental exposure, flush with plenty of water. Product is non-hazardous. SHAKE/AGITATE WELL BEFORE USING. Storage in a cone bottom tank to facilitate agitation is recommended. When stored in a cone bottom tank, agitate 10 minutes before application or transfer. When stored in a flat-bottomed tank agitate 30 minutes before application or transfer. Avoid air blast agitation as foaming will result. If foaming does occur through normal agitation, use an approved defoamer. Agitation prior to production transfer and application is required. Storage for longer than 12 months is not recommended.

WARRANTY

CAUTION KEEP OUT OF REACH OF CHILDREN.
CONTACT POISON CONTROL IF INGESTED.
WARRANTY Valley Agronomics LLC is not responsible for the use or misuse of this product. To the extent allowable by state law, buyer's guarantee limited to label claims. For use on: All Agricultural, Horticulture, and Turf Crops

GENERAL INFORMATION

MADE IN THE USA
Manufactured for:
Valley Agronomics LLC
PO Box 365
922 South Oneida
Rupert, ID 83350
208.436.0141 Office
208.436.9643 fax



Manufactured By:
BIOREM Inc
PO Box 1801
Idaho Falls, ID 83401