

TABLE OF CONTENTS



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	Product Information	3
	What Sets MaxYield Apart	5
-	Tree Crops	7
	Apples	
	Cherries	9
	Grapes	10
	Hops	11
	Awards and Recognition	13
	Cover Stories	14

PRODUCT INFORMATION

MaxYield | Pharmgrade Inc. | Page 3

MaxYIELD is a concentrated biological inoculum formulated with broad spectrum, beneficial bacillus and Trichoderma fungi species. MaxYIELD 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 nutrient to the plant and sugars back to the microbes. This exchange is the key for effective yield increase. MaxYIELD is rich in food for microbes. MaxYIELD is a liquid substrate to establish AGBIOFILM® ecosystems in the soil, on the leaf surface and the root rhizosphere. MaxYIELD applications provide the best means to transport, propagate, and stabilize biological cultures on these AGBIOFILM® surfaces. MaxYIELD may stimulate root development, increase plant vigor, yield and quality of produce.

RECOMMENDED APPLICATION

For use on all agricultural crops and applications.

Application and Rates: Apply 5-40 gallons throughout the growth season. This product can also be used in the following ways; foliar, fertigation, root drench, and in furrow at planting.

Contact a local PHARMGRADE representative for more specific rates and instructions.

This product may be mixed with a variety of fertilizers and pesticides. Please call for further directions. Always perform a jar test to ensure compatability.

CONTAINS NON-PLANT FOOD INGREDIENTS

Bacillus amyloiquefaciens	7.88x10 ⁵ cfu/ml
Bacillus licheniformis	4.50x10 ⁵ cfu/ml
Bacillus megaterium	. 1.13x10 ⁵ cfu/ml
Bacillus pumilus	4.05x10 ⁷ cfu/ml
Bacillus subtilis	. 1.13x10 ⁷ cfu/ml
Bacillus subtilis var natto	. 9.00x10 ⁶ cfu/ml
Bifidobacterium animalis	. 3.38x10 ⁵ cfu/ml
Bifidobacterium bifidum	. 6.75x10⁵ cfu/ml
Bifidobacterium longum	6.75x10 ⁵ cfu/ml
Lactobacillus acidophilus	5.63x10 ⁵ cfu/ml
Lactobacillus buchneri	1.35x10 ⁶ cfu/ml
Lactobacillus casei subsp. casei	. 1.01x10 cfu/ml
Lactobacillus delbrueckii bulgaricus	2.25x10 ⁵ cfu/ml
Bacillus simplex	. 2.03x10 ⁸ cfu/ml
Saccharomyces cerevisiae	7.88x10 ⁵ cfu/ml
Streptococcus saivarius subsp. thermophilus	1.13x10 ⁷ cfu/ml
Trichoderma harizanum	1.69x10 ⁷ cfu/ml
Trichoderma koningii	2.25x10 ⁸ cfu/ml
Trichoderma polysporum	2.25x10 ⁸ cfu/ml
Total Biological Consortium	7.55x10 ⁸ cfu/ml

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.

Storage in a cone-bottomed tank to facilitate agitation is recommended. When stored in a cone-bottomed tank, agitate 10 minutes before application or transfer. When stored in a flat-bottomed tank agitate 30 minutes before application or transfer. Avoid airblast agitation or over the top rotation as foaming will result. If foaming does occur through normal agitation, use an approved defoamer. Agitation is recommended once every four weeks. Agitation prior to production transfer and application is required. Storage for longer than 12 months is not recommended.

Caution keep out of reach of children. Contact poison control if ingested.

Derived From: 100% Probiotic Fermentation Media

Information regarding the contents and levels of metals in this product is available on the internet at: https://www.aapfco.org/metals.htm

WHAT SETS MAXYIELD APART

MaxYield | Pharmgrade Inc. | Page 5



2 KEY FACTORS FOR MORE CONSISTENT RESULTS

1. BIODIVERSITY

- Restores natural checks and balances.
- Multiple effective cultures for each problem.
- Strains selected for specific mechanisms vs. biostimulant.

2. CFU'S: ACTIVE INGREDIENTS

- Concentration difference 100yds vs. diameter of Saturn.
- Gallons vs. Ounces for price.



HOW DO BIOLOGICALS WORKS?

- Improves nutrient availability
- Acts as a biocontrol agent
- Produces compounds that directly stimulate plant growth
- Reduces plant stress



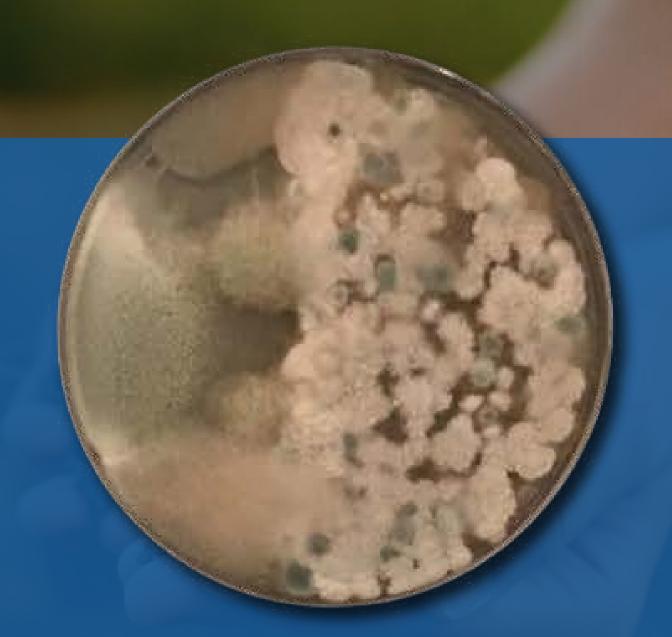


SOIL COMPARISON

MaxYield | Pharmgrade Inc. | Page 6









VIRGIN SAGEBRUSH SOIL

- High Yield Output
- Moderate NPK Input
- High Biological Output

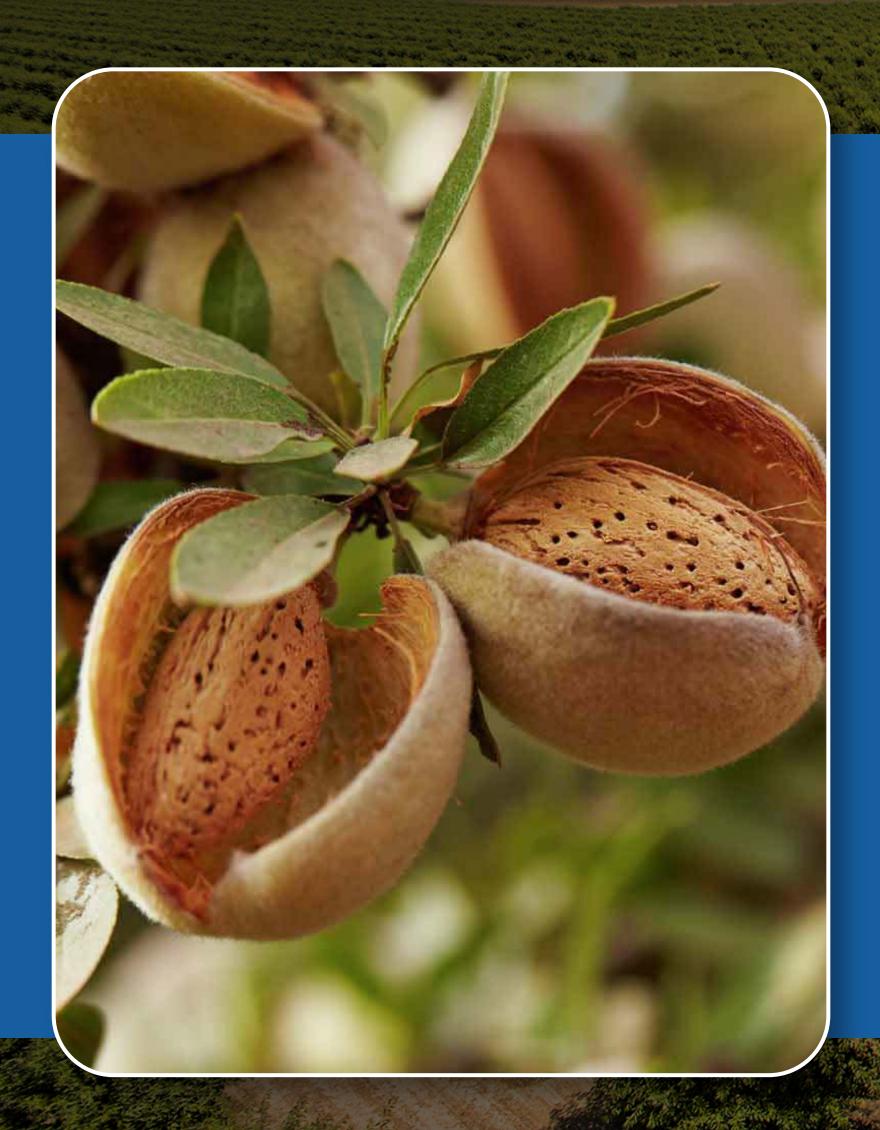
FARMED ORGANIC SOIL 4-5 YRS

- High Yield Output
- High Compost Input
- High Biological Input

FARMED VAPAM SOIL

- High Yield Output
- High NPK Input
- High Chemical Use





- 15-25 gallons applied through the year
- 5 gallons 30 days later/w fert
- Two 5 gal shots in with fungicide in apples.
- 2-5 gallons post-harvest

- 5 gallons in first irrigation
- 1 gallon spoon fed with each fertilization through harvest

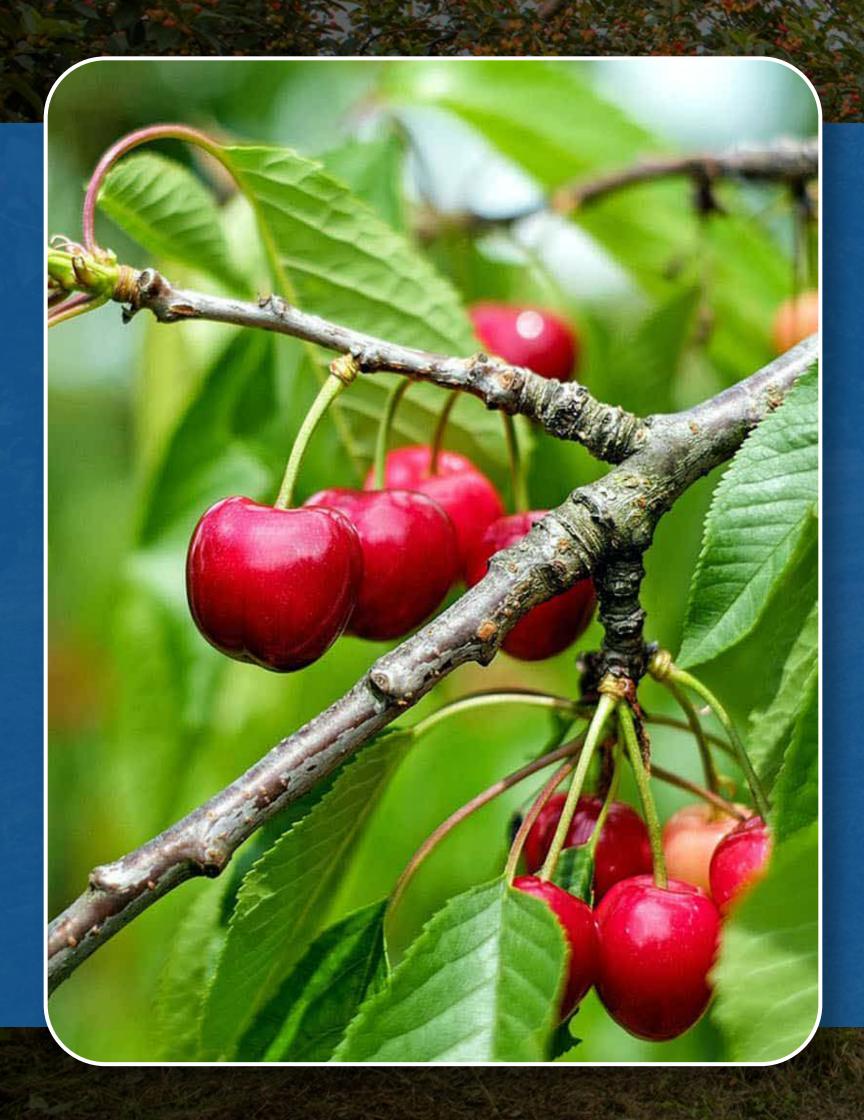
- Top reason cited for success in the program: Overall survivability of trees (Phytopthera, Verticillium Wilt)
- Noticeable uptick in fine root growth in young trees which leads to better survivability and disease resistance.
- Nutrients budgets go further
- Trees healthier and greener





- Treated block of 7 year struggling apples
 with crown gal, Look as good or better
 than the other block by the end of the
 year.
- Considerable difference in using Dominate to control fire blight and healthier trees.
- Split a block of 3rd year pink ladies with 10 gal that were struggling. Saw almost double the foliage, with healthier trees that were more vigorous.

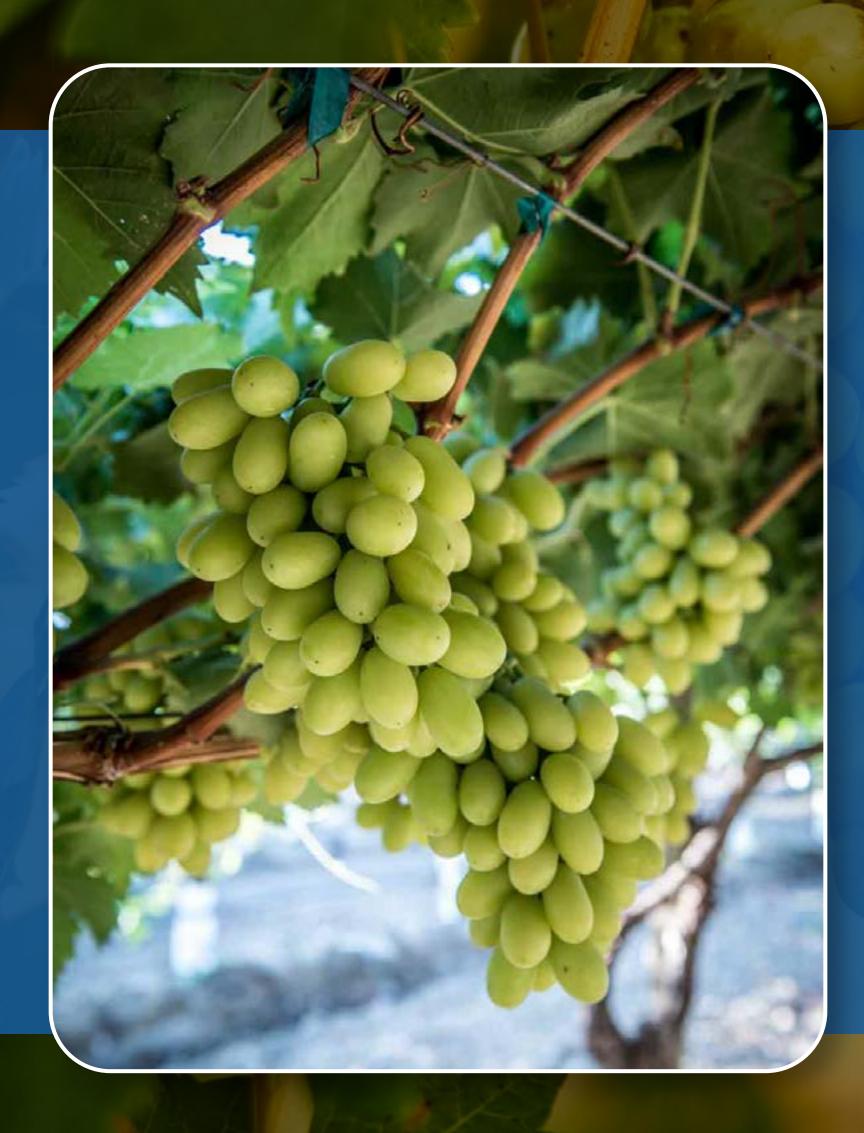




- 8-15 gallons applied through the year.
- 2 gallons in first irrigation.
- 2 gallons with first fertilizer.
- 1 gallon spoon fed with each fertilization through harvest.
- 2-5 gallons post-harvest.

- Top reason cited for success in the program: Overall survivability of trees.
- Nutrients budgets go further.
- Trees healthier and greener.

Reduced stress and soil health.



PROTOCOL

- 6-10 gallons applied through the year.
- 2-3 gallons at Bud Break.
- 1-2 gallons at Bloom.

TRY NITROS FOR REPLACING N UNITS.

- 1-2 gallon at Veriasion.
- 2-3 gallons post-harvest.

- Top reason cited for success in the program: **Soil Health**. Our top PCA in California grapes says even the smell of the soil changes- "smells like soil instead of dirt."
- Greener Leaves during the summer heat, much more resistant to heat stress.
- Help with white mold.
- Much better canopy.





- 15-20 gallons applied through the year.
- 5 gallons in first irrigation.
- 1 gallon per week in with the regular weekly or bi-weekly sprays.
- 2-5 gallons post-harvest.

- Very active on mildews and molds, dual action with fungicides.
- Nutrients budgets go further.
- Reduced stress linked with favorable flavor profiles.

Life Sciences

TOP 10 AGRICULTURAL BIOTECH COMPANIES - 2022

Pharmgrade pharmgrade.com

huge ROIs.

As a staunch advocate of sustainable agriculture, Idaho-based Pharmgrade offers breakthrough, probiotic multi-strain biologicals to help farmers and farming corporations ensure superior soil health and increased fertility. Pharmgrade offers breakthrough, sustainable probiotic eco-solutions to enable growers to achieve

Biovante biovante.com

Biovante provides growers with a range of biological soil,

seed, and crop treatment solutions that enhance soil health and improve crop yields. The company restores soil fertility through its innovative suite of biologicallydriven technologies that reduces dependency on chemicals.

Janerette's Eco-Friendly Fungi janerettesfungi.com

Janerette's Eco-Friendly Fungi is an innovative research and development institution active in producing bio-stimulants derived from fungi using mycorrhizal technology to create sustainable agriculture and forestry solutions and to combat environmental crises.

SCD Probiotics scdprobiotics.com

SCD Probiotics manufactures bio-based products for agricultural, industrial, and consumer applications. The company takes advantage of microbes as probiotics to manufacture fertilizers, supplements for livestock and honeybees, barn cleaners, manure treatment, microbial inoculants, and soil amendments for agricultural purposes.

Trilogene Seeds trilogeneseeds.com

Trilogene Seeds, with a footprint in 29 countries across the globe, is increasing the efficiency of a farmer's growing operations with its feminized hemp seeds and cutting-edge cultivars, offering strains that adapt well to specific climates and photoperiods, with a boost from its specialized cultivation techniques.

ADAMA

adama.com

With one of the most comprehensive and diversified portfolios of differentiated, highquality products, and state-of-the art R&D, manufacturing and formulation facilities, ADAMA's reach farmers providing them with solutions to control weeds, insects and disease and improve their yields.

Bayer

bayer.com

Bayer is a global enterprise with core competencies in the Life Science fields of health care and agriculture. Their products and services are designed to benefit people and improve their quality of life. Bayer's Climate FieldView™ is a unique platform that gives you the power to put your solutions in front of farmers across the country and around the world.

Corteva

corteva.com

Corteva Agriscience[™], brings the world's most recognized and premium agricultural solutions, featuring Pioneer® and Brevant™ Seeds, award-winning Crop Protection products, Encirca® and Granular® software tools and services. They provide agronomic support and services to help increase farmer productivity and profitability.

Marrone Bio Innovations

marronebio.com

Marrone Bio Innovations strives to lead the movement to a more sustainable world through the discovery, development and promotion of biological products for crop protection and plant health. MBI's effective and environmentally responsible pest management solutions help customers operate more sustainably while uniquely improving plant health and increasing crop yields.

Valent BioSciences

valentbiosciences.com

Valent BioSciences is a worldwide leader in the research, development and commercialization of biorational products for the agricultural, public health and forest health markets. Valent BioSciences offers a wide range of proprietary and environmentally compatible bioinsecticides that provide a strong and measurable return on investment.



Tyler Tuttle Chief Commercial Officer



Kelly Tuttle CEO







Richard Tuttle

CEO







