

VINEYARD FERTILIZERS

By BluAgri. Exclusively distributed by Enartis USA in North America.

BluVite and BluVite Red

State Registration

- These products are for sale in California, Oregon, Texas, Virginia, and Washington.

Allowed Uses

- These products are intended for use in both conventional and organic viticulture. This is an OMRI listed product line and allowed for use in organic viticulture under the USDA National Organic Program



For BluVite and BluVite Red, BluAgri and Enartis USA are currently in the process of organic registration with both the California Department of Food and Agriculture Organic Material Input Program (CDFA OIM) and the Washington State Department of Agriculture (WSDA) Organic Program which are both in accordance with the USDA National Organic Standards. Please ask an Enartis USA representative for updates regarding the status of both of these for 2021.

Ingredients

- Source of minerals: magnesium sulfate, elemental sulfur and yeast hydrolysates.

Directions for Use

- BluVite (and BluVite Red) is a powdered formulation and must be mixed in water, ensuring agitation. It must be sprayed under the row (with a low volume tank), in order to obtain uniform covering of the soil under plants. It should be applied with a volume of water between 200/250 L/ha (22-28 gallons/acre) if there are forecasted rainfalls. During dry climate conditions, a larger volume of water will be necessary - up to 600-800 L/ha (65-86 gallons/acre).

Time of Application

- BluVite must be applied in two vine growth phases:
 - Bud break
 - Beginning of flowering

Application Rate

- Apply two annual applications at a dose of 18 kg/ha (16.5 lbs/ac) for each application. In young vineyards it should be done in two close-together treatments (one month apart).

Compatibility

- BluVite is compatible with products registered and used for weed control.

BluVite	18 kg (~40 lbs)	(Item #35-990-0018)	\$225.00
BluVite Red	18 kg (~40 lbs)	(Item #35-991-0018)	\$234.00

A single 18 kg (~40 lbs) bag covers 0.5 hectares or 1.2 acres of vineyard for both applications.

BluVite Easy and BluVite Easy Red

NEW

State Registration

- These products are for sale in California.

Allowed Uses

- These products are currently registered for use in conventional viticulture.

Ingredients

- Source of minerals: magnesium sulfate and yeast hydrolysates.

Directions for Use

- The BluVite Easy product line is a water-soluble formulation of the original BluVite products. Apply BluVite Easy (and BluVite Easy Red) through the drip system with equipment used for fertigation (fertilization via the irrigation system). Ideal for application in situations where a reduced volume of water is required for distribution.

Time of Application

- BluVite must be applied in two vine growth phases:
 - Bud break
 - Beginning of flowering

Application Rate

- Mix product in water in order to make up to intended volume. Apply biannual applications at a dose of 3.5 lbs/ac (4 kg/ha) for each application (total 7lbs/ac/year; 8 kg/ha/year). In young vineyards it should be applied in two close-together treatments (one month apart). Homogenous distribution of the product is recommended following the above doses.

Compatibility

- BluVite is compatible with products registered and used for weed control.

BluVite Easy	4 kg (~9 lbs)	(Item #35-993-0004)	\$260.00
BluVite Easy Red	4 kg (~9 lbs)	(Item #35-996-0004)	\$270.00

A single 4 kg (~9 lbs) bag covers 0.5 hectares or 1.2 acres of vineyard for both applications.

What is BluVite

BluVite was developed as a multi-purpose product for all vine varieties, for use in both mature vineyards and new plantings. Due to its particular composition and origin, BluVite helps facilitate the biological mechanisms that reactivate the unique microbiome of the vine and surrounding vineyard soils. Moreover, the processes of selection and interaction between the vine specific microbiome and the soil are activated, with evident effects in the emission of secondary roots and strong adaptation to the biotic and abiotic stresses of the plant.

With sustainability as an ever-increasing priority with grape growers, more innovative soil fertilizing materials will prove to be an indispensable tool to meet the challenges of modern-day agriculture and a changing climate, while simultaneously minimizing the impact of these agricultural systems on the environment. The goal of BluVite is to sustainably increase the quality and quantity of grapes produced by the vineyard and secure long-term benefits to grapevine canopy growth, while maintaining vineyard soil health.

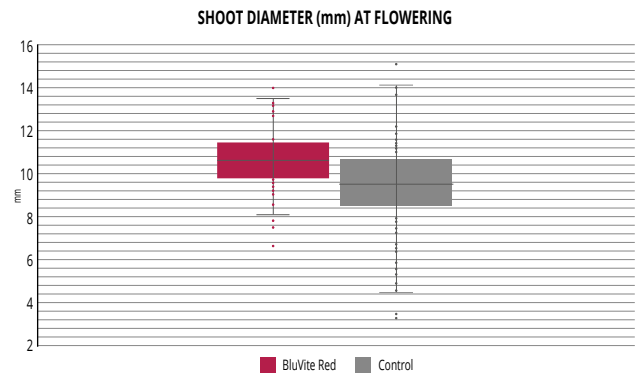
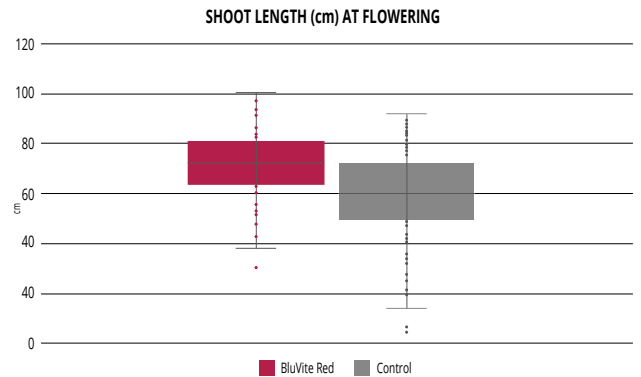
KNOW MORE ABOUT BLUVITE

RESULTS

With the application of BluVite, we have seen improvements in plant growth and grape maturity, including more uniform and robust canopy growth and improved cluster development. In this manner, it is possible to stabilize the soil ecosystem in a sustainable way, while increasing targeted plant growth parameters, and the quality and quantity of the grapes produced.



BluVite increases the extent and distribution of the primary root system and enhances the production of secondary roots. Through this, we get a better developed roots system with increased surface area for water and nutrient uptake giving the vine more optimal ability to resist environmental stress.



Case study on Cabernet Sauvignon gives significant evidence on increased uniformity and strength of the primary shoots in the BluVite Red treated vines. Data collected in the 2020 growing season as part of a 3 year trial in the Red Hills AVA of California.



CONTROL

BluVite Red

There is increased uniformity of veraison in the treated vines, with most clusters accumulating phenolic compounds and sugar at similar rates relative to the control vines. Clusters shown are Cabernet Sauvignon from the North Coast AVA of California.

Picture courtesy of Enartis USA.



CONTROL

BluVite Red

Pruning weights were, on average, 13% higher in the BluVite Red treated vines when compared to the control. The length of the shoots found at the beginning/end of the canes where much longer in the control, with shorter shoots in the mid-cane positions which is typical of apical dominance. Conversely, in the BluVite Red treated vines, we saw increased uniformity of shoots across the cane with less difference between the lengths of shoots at any given position. The color of the pruned wood is also darker in the BluVite Red treated vines, indicating better lignification of the shoots during the season.



CONTROL

BluVite

These are Chardonnay grapes, control on the left and BluVite treated on the right after one year of application. The improvements in fruit set and berry size uniformity are apparent. Generally, better fruit set is observed, with more uniform set and greater number of berries within clusters.

Picture courtesy of Enartis USA. Alexander Valley AVA of California.



CONTROL

BluVite Red
2nd Year Application

BluVite Red
3rd Year Application

These are Cabernet Sauvignon grapes, pictured above from left to right, non-treated, 2nd year application of BluVite Red, and 3rd year application of the product. Multi-year applications of BluVite Red can sustain these improvements, increasing the uniformity of berry size and fruit set over time. Generally, improvements in key grape quality parameters are also experienced including extractable anthocyanins and phenolics.

Picture courtesy of Enartis USA. North Coast AVA of California.