UltraV®

PROTECTION AGAINST SUNBURN



Benefits of use

ULTRA V® has been developed to mitigate the effects of thermal and oxidative stress on fruits and leaves. **ULTRA V®** prevents damage from the sun in high solar radiation conditions, which diminishes crop quality and yield.

ULTRA V® has a unique formulation of zinc and free amino acids obtained by bacterial fermentation with microorganisms of the *Brevibacterium* genus. It also contains anti-oxidants, polysaccharides, unsaturated fatty acids and vitamins. These components create a protective layer that reflects solar radiation, as well as moisturising plant tissues.

When **ULTRA V®** is applied to the fruit, it stops radiation energy from being converted into heat so that the fruit skin temperature does not rise. This makes it effective in preventing heat stress and sunburn. **ULTRA V®** increases net photosynthesis, boosting the production of carbohydrates. In addition, it has healing properties that encourage the repair of radiation-damaged tissues and lesions.

ULTRA V® leaves no residues or stains on fruit.

Composition

	(%w/w)
Free amino acids*	6.0
Total nitrogen (organic)	1.0
Zinc (Zn)	0.16
Organic carbon	16.0

*Amino acids obtained by bacterial fermentation with microorganisms of the genus *Brevibacterium*.

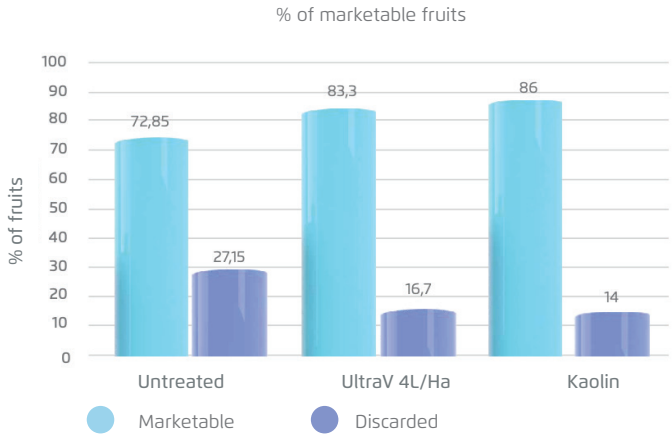
Contains anti-oxidants, polysaccharides, unsaturated fatty acids and vitamins.

Efficacy Trials

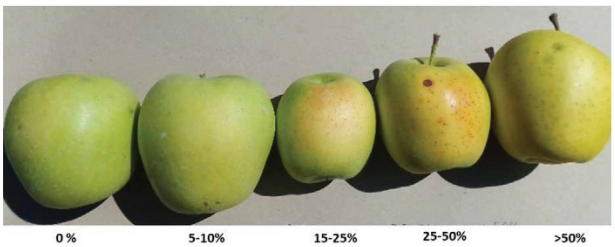
Production trial in apple trees, Lleida, Spain. (Variety Golden Reinders)

3 Ultra V® applications at 4 L/ha.

Assessment of marketable and non marketable fruit numbers



Marketable fruits: Grades 0%, 5-10% and 15-20%
Disposable fruits: Grades 20-25%, 25-50% and >50%







The application of ULTRA V® avoids the damages caused by heat stroke in the fruit.

System and time of application

ULTRA V® is applied by foliar spray, ensuring that the crop is thoroughly covered. It is applied in the months of greatest solar radiation, before high temperatures begin. Treatment can also start when the first signs of damage are found. Preventive use is recommended, followed by periodic applications, according to the meteorological conditions and specificities of each crop.

Stability and storage

ULTRA V® is stable for 3 years from the date of manufacture. Store in a cool, well-ventilated place. Do not leave in direct sun for long periods. Keep out of the reach of children. Keep away from food, drink and animal feed.

Dosage

CROP	DOSE (mL/hL)	DOSE(L/Ha)	OBSERVATIONS
Fruit Trees	300 - 400	3 - 4	Preventive applications are recommended every 12-20 days depending on the meteorological conditions and the cultivation.
Olive Tree			
Vineyard			
Citrus			
Horticultural crops			

Compatibility

ULTRA V® is compatible with most crop protection products and nutritional supplements. It is not suitable for mixing with highly alkaline products, copper salts or traditional sulphurs, as a hydrophobic phase could separate it from the aqueous solution. When added to solutions with an acidic pH, small crystallisations may appear. Therefore, before mixing with any other product, conduct a compatibility test with a small volume. For further information, technical advice or any other enquiries, please contact your local distributor.