



Vitisol®

Natural protection against
heat stress and sunburn.



Ingredients	Clinoptilolite zeolite
Formula	WP - wettable powder
Organic farming	Suitable
CE-certified	Yes
Package size	12 kg paper bag

Vitisol® is a registered trademark of Lithos Crop Protect GmbH, Austria.

 **lithos protect**
protecting plants.
empowering nature.



Natural protection against
heat stress and sunburn.

Effectively protects against heat stress and sunburn, promotes plant health and ensures the quality of your fruits.

Vitisol is a natural biostimulant of mineral origin with a high proportion of clinoptilolite zeolite, which effectively protects against heat stress and sunburn. It forms a physical protective layer on plants that lowers the temperature on leaves and fruits and reflects harmful UV light while retaining natural sunlight for photosynthesis.

Vitisol supports the plants in fruit development, enables optimum CO₂ uptake and increases yield. Thanks to its excellent buffering effect, it binds water on the surface of fruits and leaves and slowly releases it again.

In viticulture, Vitisol helps to maintain the health of the grape skin, which improves wine quality. In fruit growing, the fruit skin is also protected, which increases the quality and shelf life of the fruit.

Application

Viticulture

Reduction of temperature on leaf and berry surface

6 kg Vitisol per ha in 400-800 litres of water
3 applications from BBCH 55 onwards -
clusters enlarge

Protection against sunburn

6 kg Vitisol per ha in 100-200 litres of water
3 applications in the grape zone from BBCH 77 -
beginning of bunch closure

Reduction of heat stress and temperature



Pome fruits and stone fruits

Reduction of temperature on the leaf and fruit surface

6 kg Vitisol per ha in 400-800 litres of water
3 applications from BBCH 69 - end of flowering

Protection from sunburn

10 kg Vitisol per ha in 200-1000 litres of water
2 applications from BBCH 81 -
beginning of fruit ripening

Reduction of heat stress and temperature



Vitisol is also suitable for use in citrus fruits, berries, vegetables, cucurbits and hops.
For more information and crop-specific application recommendations, please contact our Business Development Team.

Heat stress and sunburn not only jeopardise the health of your plants, but also the quality of your harvest. With Vitisol you can effectively protect your crops from these risks and at the same time ensure a healthy and high-yielding harvest. The application of Vitisol can be customised depending on the needs of the plants.

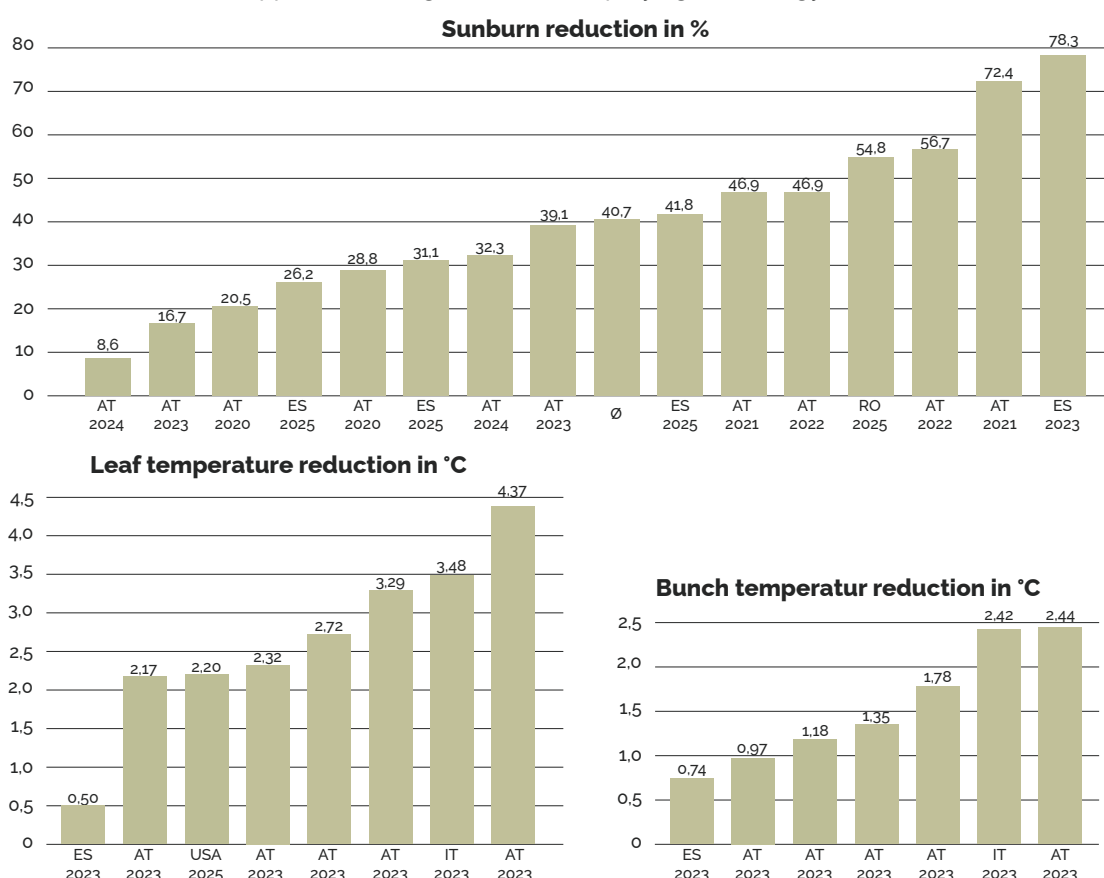
Further information:
at www.lithosprotect.at/en/vitisol
or simply scan here



Summary field trials

The aim is to demonstrate the effect of Vitisol against sunburn and on leaf and bunch temperature.

Application information: 20 trials in Austria, Spain, Italy, Romania and USA
Trial period: 2020 - 2025
Varieties: Grapes - different varieties
Applications: Application using conventional spraying technology



Conclusion:

Vitisol significantly reduced the incidence of sunburn on grapevines (Ø = 40.7 %), as well as leaf and bunch temperatures.

Lithos Crop Protect: Your Trusted Partner

At Lithos Crop Protect, we offer more than just a high-quality biostimulant. We provide a complete package of product quality, scientific expertise, practical application support and market know-how to help our partners successfully position and use Vitisol. Our support includes reliable technical advice, application strategies, field trial data, product training, marketing materials and assistance with regulatory questions. This gives distributors and growers a solid basis for confident product use and successful market development. At the same time, we stand for consistent and reliable product quality, backed by scientific research, independent trials and continuous product development. As a trusted partner, we combine innovation, practical experience and close cooperation with our customers to deliver solutions that are not only effective, but also reliable in everyday agricultural practice.

With Lithos Crop Protect, you get more than a product:

You gain a reliable partner supporting you from science and application to positioning and market success.

We are Lithos Crop Protect

We naturally ensure vital plants. From research and development to sales, we dedicate ourselves daily to our goal of offering natural solutions of the highest quality for agriculture. Through innovative technologies and products, we set new standards for sustainable plant strengthening and natural plant protection. This makes us a pioneer and reliable partner for agriculture. We live and promote an appreciative approach to nature, the environment and people. Our aim is to use our nature-based products to ensure good yields, a secure food supply and, at the same time, thriving biodiversity in modern agriculture.



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