AMALGEROL®
SUN

Protection against Heat, Solar, and UV Radiation

+ Activates cellular protection by increasing antioxidant production
+ Increases the plant's pigment content to protect against UV damage
+ Modulates uptake and water loss via stomatal function

HECHENBICHLER
A BOOST FOR SOIL · PLANTS · ANIMALS

With AMALGEROL SUN, the overall ripening behavior of apples was improved (lower field), resulting in a harvest of more uniformly colored apples and better consumer perception.

SUN PROTECTION WITH AN INVISIBLE SHIELD

AMALGEROL SUN: Protection Against Heat, Solar, and UV Radiation

- Activates cellular protection by increasing antioxidant production
- Increases the plant's pigment content to protect against UV damage
- Modulates CO_2-uptake and water loss via stomatal function

Ensuring marketable quality even under extreme conditions

Increasing UV exposure and extreme temperatures present new challenges for agricultural systems. AMALGEROL SUN reliably protects your crops from light- and heat-induced damage. The product reduces oxidative damage and necrosis by up to 70% - completely without a visible particle film. With AMALGEROL SUN, fruits develop uniformly, and even under difficult weather conditions, yields remain stable and the proportion of marketable fruit remains high.

Optimal color development and sweet fruit

AMALGEROL SUN activates the production of natural protective pigments within the plant. This allows harmful radiation to be absorbed before it can damage the cells. The advantage: excess light energy is converted directly into the plant's own energy (sugars, Brix). This energy reserve leads to more uniform ripening and more intense fruit coloration.

Maximizing stress resistance

AMALGEROL SUN activates the plant's own immune system. It assists in neutralizing cell-damaging free radicals (ROS, Reactive Oxygen Species) and promotes the formation of protective molecules to prevent growth stops during periods of high heat. Additionally, it regulates the function of the stomata (pores) to minimize water loss while ensuring a steady supply. The result is resilient plants that remain vital even under intense solar radiation.

Sunburn leads to browning and necrosis of the berries and the fruit set, which ultimately impairs the overall quality of the grapes. With AMALGEROL SUN, necrotic damage can be reduced by up to 70% compared to untreated grapes.

Application

2–4 l/ha per application. Use a sufficient amount of water to ensure thorough wetting of the leaves.
Repeated curative application before and during the heat period.
Crop-specific application recommendations can be found on the product label and our website.

Nutrient Content

NK [Ca-Mg-S] 2.3-2 [7.5-0.1-1]
2.3 % Total Nitrogen (N)
2.1 % Organic nitrogen (N_{org}) of plant origin
0.2 % Ammonium nitrogen (NH_4)
2.0 % Total Potassium Oxide (K_2O)
7.5 % Total Calcium Oxide (CaO)
0.1 % Water-soluble Magnesium Oxide (MgO)
1.0 % Water-soluble Sulfur Trioxide (SO_3)
15 % Organic Carbon (C_{org})
49 % Dry Matter
$C_{org}/N = 6.5$
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Contains 0.3 % Total Phosphorus Pentoxide (P_2O_5)

Technical Specifications

pH Value: 6–7
Specific Gravity: 1.31 kg/l

Packaging Units

10 l canister; 60 x 10 l / Pallet