

unisilgel[®]

SILICA GEL

STRENGTHENER OF PLANT DEFENSES
TO BIOTIC AND ABIOTIC STRESS

High content of calcium & silicon

ACTIVE PERFORMANCE



IMPROVES RESISTANCE OF VEGETAL TISSUES TO BIOTIC AND ABIOTIC STRESS

ABSORBS MOISTURE ON FRUITS AND VEGETATION MAKING A "MICROCLIMATE"
HOSTILE FOR PARASITES

PROTECTS LEAVES AND FRUITS FROM HEAT STRESS AND SUNBURN
WITHOUT DIRTYING THEM

IMPROVES FRUIT FIRMNESS AND SHELF LIFE AFTER HARVEST



NET WEIGHT
7.5 kg (5 L)

COMPOSITION

Calcium oxide (CaO)	20%
Silicon oxide (SiO ₂)	23%

PHYSICAL-CHEMICAL PARAMETERS

pH (1%): 9 ±0.5
Density (g/ml): 1.47 – 1.48
Aspect: white viscous liquid

COMPATIBILITY

The product can be used in mixture with other products except with those ones high acidic and/or alkaline reaction. A small-scale test is generally advisable. Store at a temperature between 4°C and 40°C in the original packaging, away from moisture and direct exposure to sunlight. **It is recommended to shake well the product before use.**

CHARACTERISTICS

UNISILGEL favors calcium and silicon absorption in cell walls strengthening vegetal tissues and improving their mechanical resistance to biotic and abiotic stress. It also activates plant defenses by promoting synthesis of compounds such as phytoalexins and phenols. Furthermore the product absorbs surface moisture creating unfavorable conditions to parasites growth.

During summer with high temperatures, UNISILGEL has a “shielding” action protecting leaves and fruits from sunburn without leaving residues, and a “healing” action when applied after pruning and/or adverse climatic conditions.

Before harvest UNISILGEL can be used to improve fruit firmness increasing resistance to post-harvest handling and extending shelf life.

DOSAGE BY CROP

UNISILGEL can be used on any type of crop, through foliar application or irrigation system.

FOLIAR APPLICATION

CROP	PERIOD	DOSAGE/100 L*
Fruit trees, grape, berries, citrus, olive, kiwifruit / Tropical fruit (avocado, mango, banana, pineapple, etc.)	Along the whole crop cycle, applications at 7-14 days apart	150 – 300 ml/100 L
	To improve shelf life: start about 3 weeks before harvest and repeat application every 7 days	
Vegetables, greenhouse crops, flowers and ornamental crops	Along the whole crop cycle, applications at 7-10 days apart	150 – 300 ml/100 L

*Advisable a volume of water /ha enough to thoroughly wet the canopy to the point of “run-off”.

Add to the sprayer tank as the last product in the mixture.

FERTIGATION

UNISILGEL can also be used by fertigation at 3 – 5 L/ha, along the whole crop cycle repeat treatments at 10-14 days apart.



Read more

unifluid®
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Unimer S.p.A.
Via Paleocapa, 7
20121 Milano (MI)
unimerfertilizzanti.it

