

# SILVEST

## CONSISTENCY AND SHELF LIFE OF FRUITS AND VEGETABLES INCREASING CRACKING RESISTANCE



**SILVEST** is an innovative liquid mineral fertilizer, developed from the experience and research of Greenhas Group.

**SILVEST** has a special formulation also containing active silicon, which acts both on the structure of the fruit and on the vegetative organs of plants.

It strengthens the tissues by increasing their physical resistance and consequently it significantly improves the shelf life of fruit and vegetables. Furthermore, it improves the photosynthetic efficiency and, by regulating the transpiration of the leaves, it also improves the conservation after harvesting of the green parts.

The use of **SILVEST** combined with a correct calcium supply and a balanced nutritional strategy may strongly reduce the fruit cracking disease.

### WHY CHOOSE SILVEST

- 1** Strengthens and increases the resistance of plant tissues
- 2** Shelf life improvement of fruit and vegetables
- 3** Effective anti-cracking reduction

### APPLICATION RATES

CROPS	DOSES	
	FOLIAR*	STAGES AND RECOMMENDATIONS
<b>FRUIT TREES</b> (Citrus, Stone fruits, Pome fruits, Tropical fruits...)	2.5 - 3 l/ha	10-12 days before the harvest
<b>STRAWBERRY AND SMALL FRUITS</b>	2.5 - 3 l/ha	From flower buds to the end of the cycle every 15 - 20 days
<b>HORTICULTURE</b>		
leaf vegetables	2 - 3 l/ha	From 3 <sup>rd</sup> - 4 <sup>th</sup> leaf to the end of the cycle every 8 - 10 days
Tomato, egg plants and pepper	2 - 3 l/ha	From 1 <sup>st</sup> cluster fruit set to the end of the cycle every 8 - 10 days
Cucurbitaceae, brassicaceae	2 - 3 l/ha	From 3 <sup>rd</sup> - 4 <sup>th</sup> leaf to the end of the cycle every 8 - 10 days
<b>VITICULTURE</b>	2 - 3.5 l/ha	After flowering to ripening every 8 - 10 days
<b>CEREALS</b>	2 - 2.5 l/ha	Beginning of heading (BBCH 51-52)
<b>USE IN REDUCING CRACKING</b>		
<b>FRUIT TREES</b>	2.5 - 3 l/ha	From petal fall to the end of the cycle every 10 - 12 days
<b>VITICULTURE</b>	2 - 3.5 l/ha	After flowering to ripening every 8 - 10 days
<b>TOMATOES</b>	2 - 3 l/ha	From 1 <sup>st</sup> cluster fruit set to the end of the cycle every 8 - 10 days
FERTIGATION: use the product at a maximum concentration of 0.1 - 0.2%		
*Foliar applications referred to standard water volumes		

#### COMPOSITION % w/w (equivalent to % w/v at 20°C)

Total Nitrogen (N)	8% w/w (10.16% w/v)
Ureic Nitrogen (N)	8% w/w (10.16% w/v)
Potassium oxide (K <sub>2</sub> O) soluble in water	8% w/w (10.16% w/v)
Boron (B) soluble in water	0.1% w/w (0.127% w/v)
Molybdenum (Mo) soluble in water	0.01% w/w (0.013% w/v)

#### PHYSICAL AND CHEMICAL PROPERTIES:

Density (20°C): 1.27 g/ml  
pH (1% w/w aqueous solution): 10.0 ± 0.5 u. pH  
Electrical conductivity (1 g/l aqueous solution): 200 µS/cm

### RECOMMENDATIONS

In the preparation of the treatment solution, add SILVEST only after the other products used. To ensure the better efficacy it is recommended to acidify the solution and then add SILVEST.

# SILVEST

## BIOLOGICAL ACTIVITY



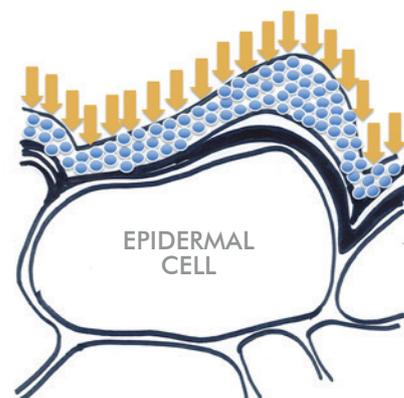
### GREATER MECHANICAL RESISTANCE OF VEGETAL TISSUES

It acts on the epicarp, increasing its mechanical strength and gloss. Furthermore, it partially penetrates the mesocarp, improving the consistency of the pulp and the post-harvest shelf life of the fruit.



### BETTER USE OF LIGHT RADIATIONS

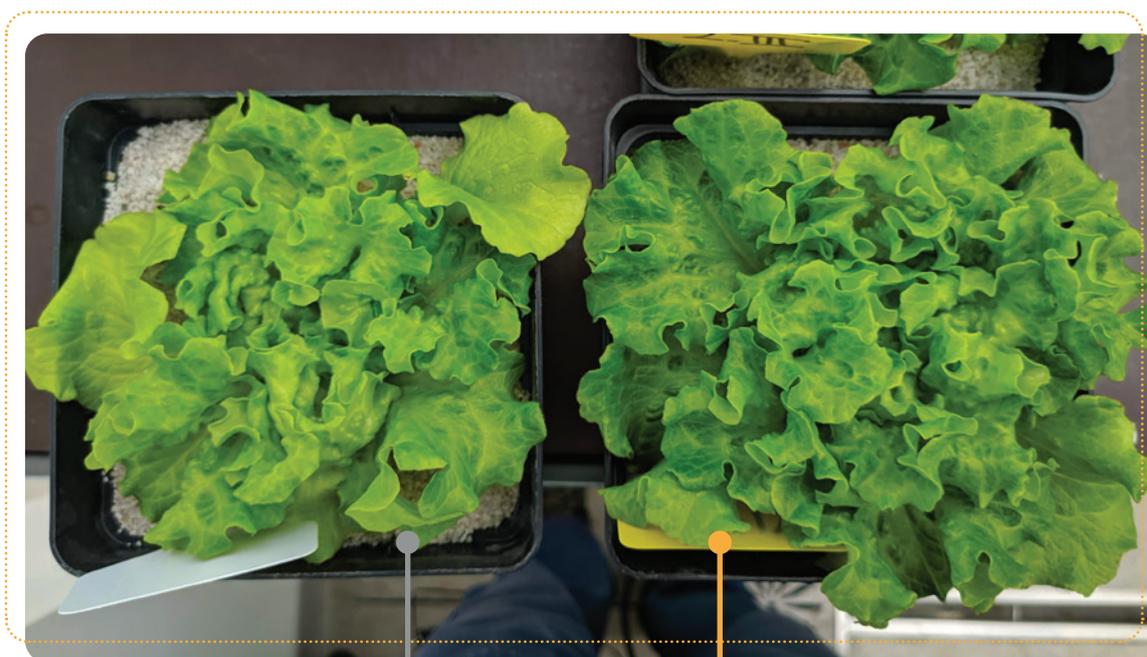
Increases photosynthetic efficiency, even in low light conditions. Further, the plant grows straight and vigorously, allowing it to better catch light radiations.



### A PROTECTIVE LAYER AROUND LEAVES AND FRUITS

Thanks to the high bioavailability of silicon, Silvest adheres to the wall of epidermal cells, creating a real protective barrier.

## AGRONOMIC TRIALS



CONTROL

SILVEST

3 app. x 5 l/ha in fertigation