



# LALSTIM OSMO<sup>SP</sup>

## BIOSTIMULANT

Protects plant cells from negative environmental stress, improving growth during heat, cold, drought, frost, and salinity. Guards crops against physiological disorders.



SOLUBLE  
POWDER



FOLIAR  
APPLICATION



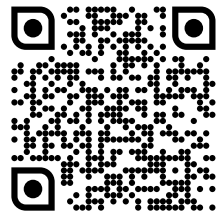
### MARKETED AND DISTRIBUTED BY

New Edge Microbials  
3 Moloney Drive,  
Wodonga VIC 3690, Australia  
[www.nem.com.au](http://www.nem.com.au)

### GUARANTEED BY

Danstar Ferment AG / LALLEMAND PLANT CARE  
Poststrasse 30  
CH-6300 Zug, Switzerland

### READ ALL DIRECTIONS BEFORE USING THIS PRODUCT



## NET WEIGHT: 2 KG

Expiration Date and batch number: See printing on bag

Made in Estonia



## DIRECTIONS OF USE

CROP	APPLICATION RATE (kg/ha)	APPLICATION VOLUME (L/ha)	TARGET AND TIMING OF APPLICATION(S)
Seedlings	1 – 2	400 – 1000	<b>Frost, drought, heat and salinity stress:</b> Spray 1-2 times every 2-3 weeks from transplanting.
Leaf Vegetables (e.g. lettuce)	2	400 – 800	<b>Frost, drought and heat stress:</b> Spray 1-2 times every 2-3 weeks during stress conditions. <b>Calcium imbalance from abiotic stress:</b> Spray at 3–4 leaf stage and repeat 3 weeks later.
Fruiting Vegetables (e.g. tomato)	2	200 - 1000	<b>Frost, drought and heat stress:</b> Spray 1-2 times every 2-3 weeks during stress conditions. <b>Tolerance to abiotic stress during flowering:</b> Early flowering. <b>Calcium imbalance from abiotic stress:</b> Spray at least 24 hours before stress occurs (e.g., heat stress) and repeat 3 weeks later. <b>Reduce cracking from abiotic stress:</b> Begin spraying at start of color development in fruit and repeat every 1–4 weeks through ripening
Potato	2	200 - 500	<b>Frost, drought and heat stress:</b> Spray 1-2 times every 2-3 weeks during stress conditions. <b>Abiotic stress tolerance:</b> At the tuber initiation.
Grapevines	2	200 – 1000	<b>Frost, drought and heat stress:</b> Spray 1-2 times every 2-3 weeks during stress conditions. <b>Tolerance to abiotic stress during flowering:</b> Early flowering. <b>Reduce cracking from abiotic stress:</b> 1st application at bunches closing (BBCH 77), 2nd application beginning of ripening (BBCH 81).
Fruit and Nut trees (e.g. apples, pears, apricots, peaches, citrus, almonds)	4 – 7	400 - 1000	<b>Frost, drought, heat and salinity stress:</b> Spray 1-2 times every 2-3 weeks during stress conditions. <b>Tolerance to abiotic stress during flowering:</b> Early flowering or at the latest 24h before the risk of frost.
	4 – 5	400 - 1000	<b>Reduce cracking from abiotic stress:</b> At early color development of the fruits and repeated 4 weeks before harvesting.
Cherry	4 – 7	400 - 1000	<b>Frost, drought, heat and salinity stress:</b> Spray 1-2 times every 2-3 weeks during stress conditions. <b>Tolerance to abiotic stress during flowering:</b> During early flowering or at the latest 24h before the risk of frost.
	2 – 4	400 - 1000	<b>Reduce cracking from abiotic stress:</b> <u>Two applications:</u> 2 kg applied at beginning of colour change from green to yellow and 2 kg applied again 7 to 10 days later; <u>OR one application:</u> 4 kg/ha at start of colouring.
Berries (e.g. strawberry, raspberry, blueberry)	1 – 2	400 – 1000	<b>Frost, drought, heat and salinity stress:</b> Spray 1-2 times every 2-3 weeks during stress conditions. <b>Tolerance to abiotic stress during flowering:</b> Early flowering or at the latest 24h before the risk of frost. <b>Reduce cracking from abiotic stress:</b> At early color development of the fruits and repeated 4 weeks before harvesting.

**ACTIVE INGREDIENT:** Glycine betaine, 97%

## APPLICATION DIRECTIONS

**Withholding period:** Not required when used as directed.

**Method:** Apply as a foliar spray to the point of wetness. Compatible with pesticides and foliar fertilizers in a tank mix, except for certain copper-containing formulations that may cause phytotoxicity. Before applying to any crop, perform a jar test to verify physical and chemical compatibility with other tank mixes. Can be applied through drip to drip irrigation.

**Timing and rates:** Timing varies by crop, stress and plant condition. Apply when relative humidity is high (e.g. late in the evening or early in the morning), to allow tissue to remain wet long enough to ensure optimum uptake of LALSTIM OSMO SP by the plant. For recommended application rates, timing and application volume please refer to the table below. LALSTIM OSMO SP should be dissolved into a sufficient volume of water to allow adequate even coverage of foliage and for foliage to remain wet long enough to ensure absorption (approx. 24 hours). For further information regarding application rates and timings please refer to the New Edge Microbials website [www.nem.com.au](http://www.nem.com.au) or contact the New Edge Microbials customer technical support team.

## STORAGE AND DISPOSAL

Store in the original, unopened packaging in a cool, dry place. Use before expiration date, valid only for unopened bags stored in cool, dry conditions. If opened, reseal and store in the same conditions for up to six months. Avoid exposing it to temperatures > 35°C. Dispose of any unused product following applicable regulatory guidelines. Dispose of empty container according to local waste regulations.

## PRECAUTIONS

Do not breathe dust. Avoid exposure through inhalation, or to open wounds and eyes. Standard protective clothing and equipment including gloves, safety goggles and a respirator are recommended during handling and storage. Use this product in well ventilated areas.

First aid is not generally required. If in doubt, contact a Poisons Information Centre (phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

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