



CHARACTERISTICS

Active Ingredient

- Highly-concentrated glycine betaine
- >97% pure
- Approved for organic production

Formulation

Highly-soluble wettable powder

Package Size
2 kg bag

Storage information

Store sealed in the original packaging in a cool, dry place (<25°C) for up to 36 months

Always read and follow label instructions

REDUCES FRUIT SPLITTING

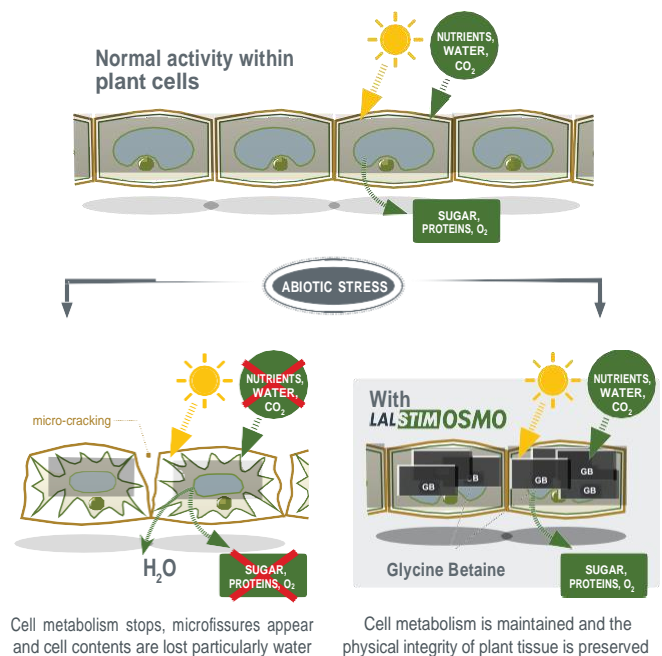
LALSTIM OSMO's active ingredient is an essential amino acid found naturally in many plant species. It is a source of nitrogen that provides energy for plant growth, aids in nutrient and calcium mobility and helps control plant stress during adverse abiotic environmental conditions.

LALSTIM OSMO ADVANTAGES

- Increases nutrient mobility, including calcium.
- Reduces abiotic stress, improves water uptake and maintains crop resilience.
- Translocates into the plant within 24-48 hours and provides persistent osmoprotection for several weeks.
- Compatible with most tank mix inputs and is highly stable.
- Minimizes yield losses caused by fruit injury such as bursting, mottling, and splitting.

MODES OF ACTION

- Osmoprotectant, facilitates water uptake and retention, and adjusts the osmotic balance in plant cells and tissues.
- Improves photosynthesis, nitrogen metabolism, and nutrient translocation during adverse environmental conditions such as heat, cold, drought, and high salinity.
- Enhances the mobilization of nutrients such as calcium and trace elements.





Cherry treated with LALSTIM OSMO.

CHERRY SPLITTING

Symptoms: A brown stripe develops on the surface of the fruit and the cuticle splits under pressure.

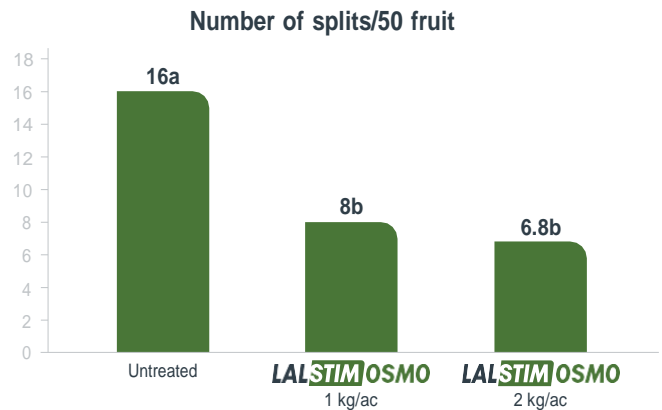
Origin: Free-standing water on the surface of the fruit or soils over saturated from precipitation or excess irrigation leads to excess water absorption in the fruit cuticle. This, combined with a greater accumulation of sugars at fruit ripening, leads to the fruit splitting.

Factors: Abiotic Stress

- Water (Hydric) stress: too much rainfall or irrigation
- High humidity

✓ TRIAL RESULTS: EFFECTS OF LALSTIM OSMO ON CHERRY SPLITTING

Varieties: Bing Sweet Cherries



Year-to-year differences in rainfall, temperature and sun will affect results.

APPLICATION RATES

Crop	Target	Timing	Application Rate (kg/ac)	Water Volume (L/ac)
Cherries	Reduce splitting caused by abiotic stress.	First application: when cherries are at early straw colour.	2 kg/ac	160 - 400
		Reapply every 14 days and at least 48 hours prior to rain events.	1 kg/ac (subsequent applications)	

Refer to the product label for additional information on application and timing.

Microbial By Nature

www.lallemandplantcare.com



LALLEMAND PLANT CARE