



Characteristics

Formulation Type | Wettable powder

Active Ingredient | 97% of Glycine betaine

Packaging | 1 kg and 5 kg bags

Storage | 36 months at 77 °F (25 °C) or less, sealed and protected from moisture in the original packaging



WETTABLE
POWDER

LALSTIM OSMO

Protects plant tissues against negative effects of environmental stresses

LALSTIM® OSMO is a highly soluble product containing 97% natural Glycine Betaine, a persistent and powerful osmoprotectant that is absorbed rapidly and moved throughout the plant within 24 hours, remaining active at the cellular level for 2 to 4 weeks.

Mode of Action

LALSTIM OSMO facilitates water uptake and retention by acting as an osmoprotectant and adjusts the osmotic balance inside plant cells and tissues exposed to hyperosmotic stress. It enhances photosynthesis, nitrogen metabolism, and translocation during environmental stresses such as heat, cold, drought, and salinity.

Application

For use on trees, seedlings, ornamentals, leafy and fruiting vegetables, berries, hemp, potatoes, root crops, grapes, and tree fruit.

APPLICATION METHOD

Apply as a foliar spray to point of wetness. Use of a non-ionic surfactant, added to the spray solution according to manufacturer's instructions, is recommended to optimize penetration of LALSTIM OSMO into the plant. Compatible with pesticides and foliar fertilizers in a tank mix, except some formulations containing copper (Cu), where phytotoxicity may occur. It is advised to test for compatibility first, or to consult your distributor or Lallemand Plant Care representative.

APPLICATION TIMING AND RATES

Timing varies by crop. Apply when relative humidity is high (e.g. late evening or early morning), to allow tissue to stay wet longer and ensure better uptake of LALSTIM OSMO in the plant. Repeat every 2-4 weeks. For more detailed information, consult your crop advisor or Lallemand Plant Care representative.

Benefits

- Improves and maintains crop performance and resilience under conditions of environmental stresses: heat, salinity, drought and cold.
- Reduces micro-cracking and desiccation injury
- Improves post-harvest fruit shelf life
- Normal physiological state maintained by better osmotic balance and water retention
- Facilitates plant recovery and resumption of activity after stress

