



BIOSTIMULANT

Natural, crystallized and purified glycine betaine

LALSTIM OSMO

Anti-stress Osmoprotector

Improve the yield and quality of your crops

LALSTIM OSMO is a highly soluble powder containing more than 96% glycine betaine. This powerful natural extract regulates the osmotic pressure of the plant cells and safeguards the functioning of the plant in conditions of abiotic stress (drought, rain, cold, salinity...).



WETTABLE POWDER

MODES OF ACTION

LALSTIM OSMO increases the water retention capacity of the plant:

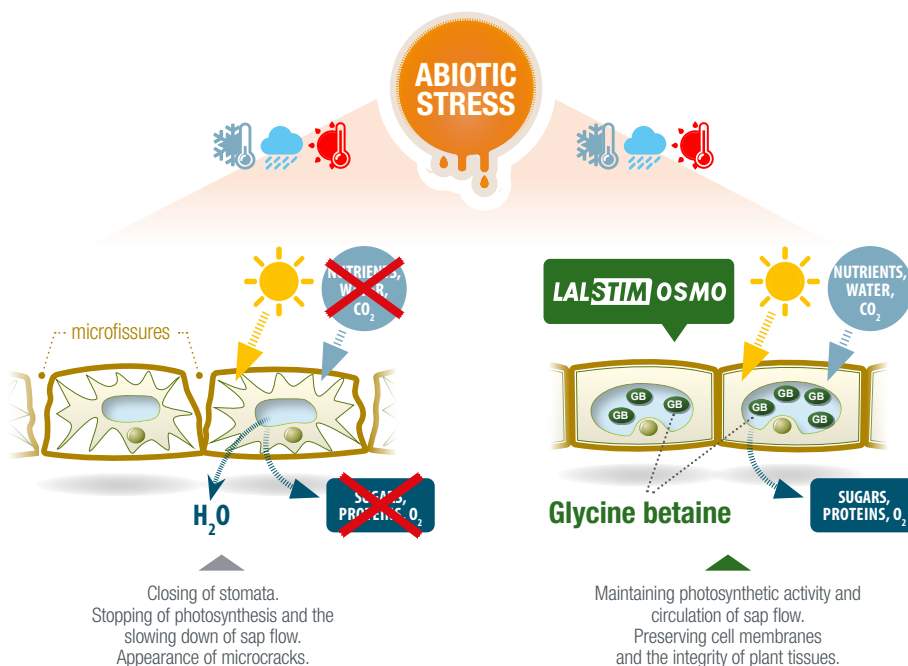
- Preserves photosynthetic activity, the driving force behind the production of organic matter.
- Improves the resistance of plant tissue and the stability of cell membranes.
- Boosts the circulation of sap flow and the mobilisation of water and nutrients such as calcium and other trace elements.

BENEFITS

- Safeguards the key phases of yield development.
- Improves quality and marketable yield.
- Promotes post-harvest storage.

ADVANTAGES

- Translocation: 24 to 48 h
- Systemic: circulation throughout the plant
- Persistent: 3 to 4 weeks
- 100% natural



APPLICATIONS

| CROP | TARGET | DOSE | APPLICATION TIMINGS | METHOD OF APPLICATION |
|---|--|---|---|--------------------------------|
| Grape Vines | Limiting the yellowing of foliage and berry wilting under heat/ water stress | 2 kg/ha | From flowering | Foliar spraying |
| | | 2 kg/ha | Every 3-4 weeks in case of stress | |
| | Reducing berry cracking and improving the visual appearance of bunches | 2 kg/ha | Bunch closure | |
| | | 2 kg/ha | Start to mid ripening | |
| Stone or Pome Fruit Trees | Increase in storage of fruits post-harvest | 4 kg/ha | 30 days before harvest | |
| | Reduction of 'Bitter pit' in apples | 0.5 kg/ha application possible with Calcium | From the fruit set and then every 3 weeks until harvest | |
| | | 4 kg/ha | 30 days before harvest* | |
| | Reduction of fruit cracking | 2 kg/ha | 15 days before harvest if rain occurs | |
| 2 kg/ha | | | | |
| Lettuces | Reduction of 'Tip Burn' | 2 kg/ha | For prevention (rosette to 3-4 leaves) | |
| | | 2 kg/ha | 3 weeks after T1 | |
| Tomatoes | Reduction of 'Blossom End-Rot' | 2 kg/ha | Before the stress | |
| | | 2 kg/ha | 3 weeks after T1 | |
| | | 2 kg/ha | If heat persists or irrigation is irregular | |
| Strawberries | Increase in shelf life of fruit post-harvest | 2 kg/ha | Green fruit stage | |
| | | 2 kg/ha | 3 weeks after T1 | |
| | | 2 kg/ha | 3 weeks after T2 | |
| Potatoes (firm flesh & seed) | Decrease in abortion Increase in tubers Evenness of calibres | 1 kg/ha | Hook stage | |
| | | 1 kg/ha | 15 days later | |
| Potatoes (consumption & industrial use) | Evenness of calibres Increase in average calibre | 1 kg/ha | Nut stage | |
| | | 1 kg/ha | 15 days later | |
| Peas Green Beans Flageolets | Safeguards flowering & pod filling Increases yield | 1 kg/ha | Start of flowering | |
| | | 1 kg/ha | Full flowering (15 days after) | |
| Straw Cereals | Increase in foliar supply system | Trace elements (Mn) | 0.5 kg/ha | Tillering |
| | | | 0.5 kg/ha | 1 node |
| | | Other trace elements | 0.5 kg/ha | End of tillering to 1 cm spike |
| | | | 0.5 kg/ha | 1 node to 2 nodes |
| | Systemic fungicides | 0.5 kg/ha | Last leaf open | |
| | | 0.5 kg/ha | Heading | |
| Increase in proteins | Product alone With inputs of foliar nitrogen | 1 kg/ha | Swelling | |
| | | 0.5 kg/ha | Start of heading | |

* Cherry trees: fruit beginning to turn pink

CHARACTERISTICS

- **ACTIVE INGREDIENT:** glycine betaine natural, crystallized and purified: >96%
- **FORMULATION:** wettable powder
- **PACKAGING:** 2 kg
- **STORAGE:** 24 months at room temperature
- **Usable in Organic Farming**

RECOMMENDATIONS

Preferably apply under good humidity conditions (>70%) but without precipitation for 24 hours.

COMPATIBILITIES

Can be mixed with fungicides and trace elements : refer to your distributor to determine compatibility.

Do not mix with herbicides.

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