APPLICATION RATES

LALSTIM OSMO SP

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

Apply as a foliar spray to point of wetness. A compatible non-ionic adjuvant may be added to the spray suspension according to manufacturer's instructions to optimise coverage on plant surfaces and penetration into plant tissue. Compatible with pesticides and foliar fertilisers. It is best to check compatibility first using a jar test or by consulting New Edge Microbials [NEM] customer support team.

Timing varies by crop. Apply when relative humidity is high [e.g. evening or early morning] to allow the tissue to stay wet longer and ensure better uptake of LALSTIM OSMO SP in the plant. Repeat every 3-4 weeks.

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