



- **OrganoPLEXed** phosphonate technology
- Full range of seaweed trace minerals
- Fortified with Chitosan
- Highly soluble and plant available
- Improves stress and disease tolerance
- Improves root development
- Increases nitrogen utilization (ATP production)
- Improves overall plant health
- Optimum pH range to ensure stability

# Stim-phos™

**PLANT BIOSTIMULANT USED TO STIMULATE ROOT GROWTH, ENHANCE PLANT STRENGTH, VITALITY AND STRESS RESILIENCE.**

**CONTAINS: N: 0.1% P: 10% K: 18% IRON 28ppm, ZINC 4ppm, PHOSPHORUS AND POTASSIUM PRESENT AS MONO AND DI-POTASSIUM PHOSPHITE.** Naturally chelated using carbohydrates and amino acids derived from pure *Ascophyllum nodosum* extracts with added Chitosan.

## **STIM-PHOS combines the unique benefits of phosphonates with high quality Chitosan & Acadian seaweed extract**

STIM-PHOS is a unique formulation that combines the benefits of phosphonates with natural plant elicitors including Chitosan and *Ascophyllum nodosum* seaweed extract.

Pharmaceutical grade plant based Chitosan and Acadian liquid extract is chemically combined with phosphonates to form a highly mobile complex of mono and dipotassium phosphite and betines, polybetines and oligosaccarides. These compounds are translocated throughout the plant unimpeded to strengthen the plant from top to bottom against environmental and cultural stresses.

The unique formulation of phosphonates, potassium, seaweed based trace elements and Chitosan ensure that plants treated with STIM-PHOS will receive a comprehensive nutrient supplement and other compounds that are known plant health strengtheners.

## **Highly plant available & safe on foliage**

Plant uptake of STIM-PHOS is consistently higher and more readily absorbed through leaf tissue than other forms of phosphonates.

## **Stable formulation**

STIM-PHOS is stable in tank solution due to the natural buffering capacity of the seaweed extract making STIM-PHOS a versatile tank mix with other nutrients and pesticides.







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**GENERAL:** Apply STIM-PHOS as part of a plant health program with RhizoVital, RhizoVersity and the OCP Trichoderma range. STIM-PHOS is best applied as part of a preventative program to maximum benefit due to its need to prime the plant prior to stress events.

SITUATION	RATE	CRITICAL COMMENTS
Ornamentals	5ml/L	4 - 6 weekly intervals. DO NOT apply when ornamental plants are dormant or stressed due to cold or hot weather. To avoid phytotoxicity it is recommended to test on sensitive plants of each species prior to the main application.
Vegetables & other field crops	4.5L/ha (min 800L of spray)	Use weekly spray intervals during humid weather and after prolonged periods of wet weather.
Pineapples	6L/ha	Apply to tops two weeks prior to harvest of planting material.
Perennial crops: Grapes Avocados	Foliar 3-6L/ha 5-6L/ha	Use lower rate early season and higher rate mid to late season. Apply every 5-6 weeks in maximum 2000L/ha of spray and spray trees to run-off. For more precision applications speak with your local rep.
Turf establishment Seeding, Sodding, Stolonizing	800ml-1L/1000m <sup>2</sup>	<b>Seedling Mix:</b> Apply in a min 1000L/ha and irrigate into area with 1-2mm.
	800ml-1L/1000m <sup>2</sup>	<b>Sodding, Stolonizing:</b> Apply in a min 1000L/ha.
Turf maintenance Boom spray or through irrigation system	10L/ha	Apply monthly from early spring through to autumn with normal spraying equipment to the point of run-off. Use 3-4 weekly sprays immediately after prolonged periods of wet weather. The product can be injected into irrigation systems using a "Dosatron" or similar fertilizer injector equipment.

**APPLICATION:** Half fill the spray tank and add the required amount of STIM-PHOS. Apply in enough water to completely cover the foliage to the point of run-off.

**COMPATIBILITY:** Always conduct a jar compatibility test before mixing STIM-PHOS with other nutrients. Fertilisers containing Copper, Magnesium and Calcium can potentially be incompatible in tank mixes so jar test before adding to spray tank. Chelates should not post any risk. Do not mix with fixed copper or copper based fungicides if the pH of the spray solution is below pH 6.

**PHYTOTOXICITY:** STIM-PHOS has the potential to burn sensitive plant species. Always conduct a small scale trial on mixed plant species applications particularly ferns and some flowering species. DO NOT apply when plants are dormant or stressed due to lack of water or cold or hot weather.

**SAFETY NOTES / OPERATOR PROTECTION:** Avoid unnecessary contact with the product. Misuse can be harmful to health. Avoid contact with skin and eyes. In case of contact with the eyes, rinse with plenty of water. Wash hands and exposed skin with water and soap after work.

**STORAGE:** Store the product in cool and dry environment, protected from sunlight. Avoid temperatures over 35°C.

**LIMITED WARRANTY:** Manufacturer or reseller makes no warranty, whether expressed or implied, concerning the use of this product other than for the purposes indicated on the label. Neither manufacturer nor reseller shall be liable for any injury or damage caused by this product due to misuse, mishandling or any application not specifically described on the label.

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