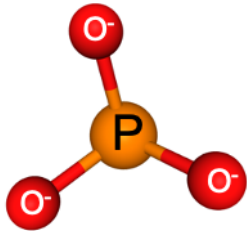


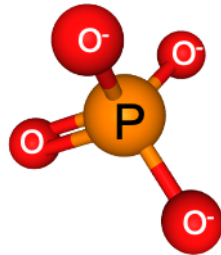
SILVANUS

SILICON PHOSPHITE FOR LANDSCAPE TREES AND WOODY ORNAMENTALS

Silvanus is a unique **dual action** formulation, combining **silicon** with **potassium phosphite**, specifically targeted at the prevention and management of *phytophthora*, bacterial and fungal diseases on landscape trees.

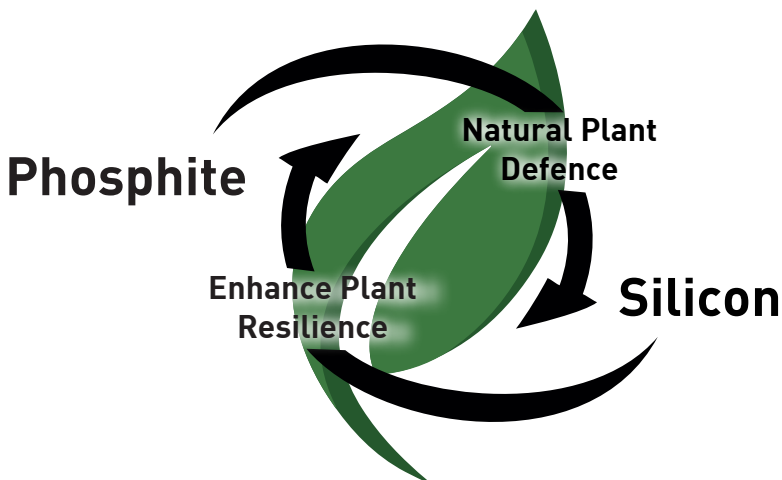


Phosphite PO_3



Phosphate PO_4

Phosphites are completely different in nature to phosphates. The two are chemically similar but have very different behaviors and effects on trees. Unlike phosphate, **phosphite is easily absorbed and moves** to all areas of the plant. **Phosphites induce** a tree's **natural defense** response to *phytophthora* root roots and *Pseudomonas* bleeding cankers.



Silvanus combines the known benefits of potassium phosphite with silicon. Switching on the **plants natural defence mechanisms** and at the same time **enhancing disease resilience** by indirect manipulation of host plant physiology. As a result, **Silvanus has greater efficacy** against a range of economically important fungal and bacterial pathogens compared to conventional potassium phosphite.



ORION
RELEASING THE BIOLOGICAL POTENTIAL OF PLANTS



@OrionFutureTech
www.orionft.com

FOR PROFESSIONALS ONLY: USE FERTILISER PRODUCTS WITH CAUTION. READ THE LABEL AND INFORMATION RELATING TO THE PRODUCT BEFORE USE. Follow the instructions for use in order to avoid risks to human health and the environment - Do not pollute water with the product or its packaging.



SILVANUS



APPLICATION ADVICE

THANKS TO DR GLYNN PERCIVAL OF BARTLETT TREES/UNIVERSITY OF READING FOR HELPING WITH THE FOLLOWING MANAGEMENT ADVICE

1. FOLIAR SPRAY

For the enhancement of the plants natural defense response and to increase drought tolerance. Application to leaves using appropriate spray equipment using sufficient water to provide adequate canopy penetration and coverage. Apply Silvanus diluted at 1L per 100L of water.

2. SOIL DRENCH

Woody Ornamentals - applications should target the area near the stem of the tree to a radius equal to three times the trunk diameter. Dilute Silvanus 2L per 100L water and apply at 2L/m² soil

Shrubs – Treat the entire root zone beneath the canopy.

TIMING

1st application should be made early spring (April/May)

2nd application is recommended mid to late summer (August/September)

Repeat applications can be made monthly if required.

FREQUENCY

If irrigation and drainage can be managed to avoid waterlogged soils, two consecutive years of treatment should be adequate to protect against phytophthora. However, repeat applications should be made if rainfall is excessive. Areas of high risk, such as a heavy clay soils, excessive irrigation, low/poorly drained areas, should be treated annually with 2-3 timings per year.

3. BARK SPRAY

Spray directly onto bleeding cankers at a 1:1 dilution of Silvanus to water. The advanced Silvanus formulation combines a highly effective wetting agent to allow translocation through bark when applied to the trunk.

SUMMARY APPLICATION

Application	Crop	Dilution	Dose
Foliar Spray	Woody Ornamentals / Landscape trees	1% (1L per 100L water)	Sufficient to provide canopy penetration
Soil Drench	Woody Ornamentals	2% (2L per 100L water)	2L per m ² soil area treated
	Shrubs	2% (2L per 100L water)	Treat entire root zone
Bark spray	Woody Ornamentals / Landscape trees	1:1 1L per 1L water	Spray directly onto bleeding cankers