

**PHOSCARE**<sup>TM</sup>**0-28-25**Nutrients for Soil and  
Foliar application**GUARANTEED ANALYSIS**Total Product  
Basis %/w/v

Total Nitrogen (N)	0.0
Total Phosphorous (P)	28.0
Total Potassium (K)	25.0

Phosphorous and Potassium present as mono and  
dipotassium phosphite**GENERAL INFORMATION**

Phosphorous is one of the most difficult nutrients to supply to plants, particularly through the soil because most soils have phosphorous fixation characteristics. To compensate for the inefficiency of phosphorous utilisation by plants it is necessary to apply **PHOSCARE** to the plants as it is an immediate form of Phosphorous which the plant recognises and utilises quickly. Technologies which can improve the efficiency of phosphorous can greatly reduce the quantities of phosphorous application, helping growers save time and money.

Phosphorous supplementation through the use of **PHOSCARE** is most required by crops under the following conditions:

- growth in cold weather
- limited root growth
- fast top growth
- waterlogged conditions

**PHOSCARE** is a product produced using new technologies which are different from the traditional phosphorous fertiliser technologies. Phosphorous acid instead of phosphoric acid is used as the phosphorous source. The product derived from using Phosphorous acid is **PHOSPHITE** instead of phosphate. **PHOSCARE** is intended to be used as an immediate, highly available source of Phosphorous and Potassium.

**ADVANTAGES & BENEFITS**

1. **PHOSCARE** aids in increasing cell division
2. **PHOSCARE** aids in flowering and fruiting
3. **PHOSCARE** will hasten crop maturation, thus counteracting the effect of excess nitrogen
4. **PHOSCARE** promotes healthier root development

5. **PHOSCARE** helps increase strength of straw in cereal crops to prevent lodging
6. **PHOSCARE** promotes crop quality, especially of forages and of vegetables
7. **PHOSCARE** helps with internal resistance to certain diseases

**PHOSCARE** helps winter growth especially in lower than expected temperatures as well as inadequately heated green houses when crops are stunted

**PHOSCARE** seems to not affect blooming of table grapes if sprayed properly on foliage rather than targeting the bunches.

**COMPATIBILITY**

Always run a compatibility test before spraying Phoscare with other chemicals.

**PHOSCARE** is compatible with almost all fungicides and insecticides.

**PHOSCARE** is **INCOMPATIBLE** with trace elements, Magnesium and Calcium foliar nutrients.

**NEVER** mix **PHOSCARE** with Copper or any Copper containing products. Do not apply Copper one month before or one month after a **PHOSCARE** application

**PLANT and ENVIRONMENTAL SAFETY**

**PHOSCARE** is totally harmless to plants even when recommended rates are exceeded. Exceeding recommended rates is not advisable.

**PHOSCARE** is totally harmless to both humans and wildlife and is environmentally friendly.

**IMPORTED and DISTRIBUTED EXCLUSIVELY IN NEW ZEALAND BY**  
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## APPLICATION GUIDELINES

CROP	TIME OF APPLICATION		RATE OF APPLICATION
APPLES & PEARS	1 <sup>st</sup> application 2 <sup>nd</sup> application	Early season As often as needed	5L / ha 2.5 – 5L / ha
AVOCADO	1 <sup>st</sup> application 2 <sup>nd</sup> application	As often as needed As often as needed	2.5 — 5L / ha 2.5 – 5L / ha
CITRUS	1 <sup>st</sup> application 2 <sup>nd</sup> application	Early season As often as needed	5L / ha 2.5 – 5L / ha
GRAPES (TABLE, WINE, & DRIED FRUIT)	1 <sup>st</sup> application 2 <sup>nd</sup> application 3 <sup>rd</sup> application	At fruit set As often as needed As often as needed	3L / ha 2.5 – 5L / ha 2.5 – 5L / ha
KIWI GOLD(H16A) & HAYWARD	1 <sup>st</sup> application 2 <sup>nd</sup> application	Early season As often as needed	2.5 – 5L / ha 2.5 – 5L / ha
STRAWBERRY & ALL BERRIES	1 <sup>st</sup> application 2 <sup>nd</sup> application	As often as needed As often as needed	5L / ha 3 – 5L / ha
TOMATO, EGGPLANT & CAPSICUM	Foliar Soil	As often as needed As often as needed	2.5 – 4 L / ha 2.5 — 5L/ha

For information on application rates and timing for crops not listed on this brochure, please contact your local distributor or visit the RSF website at [www.rd2.co.nz](http://www.rd2.co.nz)

It is always advisable that a soil or leaf sample be taken before applying any fertilisers to best ascertain the levels of elements and the nutrient requirements of the crop.

### Why PHOSCARE ?

In natural ecosystems phosphorous is usually a life-limiting element due to its low availability. In low pH soils, phosphorous reacts with Iron and Aluminium to form low solubility Iron phosphate and Aluminium phosphate, which are relatively unavailable to the plants. In calcareous soils (higher pH), phosphorous reacts with Calcium to form Calcium phosphates which are either slightly soluble or insoluble in soil solutions and are also unavailable to plant uptake.

Large amounts of phosphorous in soils are present in their organic form. However, these are not readily available to plants. These phosphates must be released by the action of microorganisms. The supply of phosphorous from the soil is usually insufficient for normal growth of commercial plants. This insufficiency of phosphorous is usually overcome by applying phosphorous fertilisers. Because of soil conditions, soluble phosphorous fertilisers applied to the soil are very rapidly changed to less soluble compounds which, with time, become less and less available to plants. The availability of phosphorous is affected by the following factors:-

- (1) soil pH
- (2) forms of phosphorous applied
- (3) soil texture and other properties
- (4) soil microorganisms
- (5) organic matter content

*PHOSCARE (0-28-25) will help reduce all the limitations of Phosphorous in the soil and as a foliar application by providing a high analysis, highly systemic form of Phosphorous and Potassium to crops without leaving any residues and without phytotoxicity.*

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