

# FROST FREE

## Introduction

The phenomenon of frost present considerable risks to crops/farmers. During clear nights in early spring/fall temperature within the soil and in the plant's cells may drop to a few degrees colder than the air. If the temperature further drops, to 0° C and below, the water in plant cells freezes that rupture the cell and damage plant buds/growing points. This can be devastating, especially for high value crops like, potatoes, apples, peaches, citrus, berries etc. Plants try to protect themselves against frost by storing sugar and Potassium within their cells. Both substances lower the cell sap's freezing point and serves as antifreeze agents. Plant produces the sugar through photosynthesis for which Potassium has a key role and it also regulates the plants water balance through controlling stomata openings. It is clear that a sufficient supply of sugars and Potassium is indispensable for resistance against frost.

Agrisol's FROST FREE is a blend of Potash, Magnesium, sugars and plant extracts vital for protection against frost. A FROST FREE spray in autumn will optimally prepare crop & certainly help fight frost and will increase plant tolerance against frost by 3-4 °C degree. Even if under extreme weather conditions damages do occur, these nutrients will help plants to recover as quickly as possible. FROST FREE systemic nature enhances Potassium content in tissue and also helps mobilize Calcium, Phosphorus, Magnesium etc., essential for strong cell structure during winter months.

## Benefits

- Provides protection to frost by increasing Potash & sugars content in plant cells.
- Controls water loss by regulating stomatal openings.
- Quickly absorbed by the plant & compatible with most pesticides.
- Increases tolerance to diseases.

## Guaranteed Minimum Analysis

<b>Soluble Potash (K<sub>2</sub>O)</b>	<b>12.0%</b>
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## Product Characteristics

<b>Appearance:</b>	Brownish Black
<b>Liquid pH:</b>	7.15
<b>Specific Gravity:</b>	1.03 g/ml

## Ingredients

Potassium Citrate & natural plant extracts.

## Direction of Use

We recommend FROST GUARD<sup>+</sup> application at early autumn for all crops to improve tolerance against frost & quickly overcome cold stress.

Use 2-4 L/acre. For mature plantations / orchards increase dose according to plantation age.

## Packaging Sizes

25 L, 205 L, 1000 L.

Additional sizes are available on request.

## Storage & Cautions

- Shake well before use.
- Store Product in a cool and dry place in original container.
- Test compatibility with other products prior to use.
- Avoid contact with skin & eyes and inhalation of spray/dust.
- Recycle container in accordance with federal and provincial regulations.
- Keep product out of reach of children.

## Conditions of sales and limitations of Warranty & Liability:

There are no implied warranties of merchantability or fitness with respect to the product, nor are there any expressed warranties other than as many be contained in any guaranteed analysis that may accompany the product. Seller shall not be liable for any special indirect, incidental or consequential damage or expense of any nature, including but not limited to lost products, property damage or Seller's liability is limited to refund of purchase price as per return policy of company.