

Pollinator™

PRODUCT TO SUPPORT POLLINATION

DESCRIPTION

POLLINATOR™ is a highly specialised blended biostimulant to enhance pollination and support set.

KEY BENEFITS

- Natural approach to support pollen germination
- Contains selected biostimulants to support reproductive phenology, while alleviating the effects of stress
- High levels of natural phytohormones and bioactives
- Biostimulants contain various carbohydrates to support energy demand
- Selected amino acids support the reproductive process and alleviates stress
- Blended with calcium and phosphate to support rapid cell division

CONTAINS

(N% - P% - K% - S%)
(0 - 1 - 0 - 0)

P 0.52 % W/V

Ca 0.52 % W/V



POSITIONING AND FUNCTIONS

POLLINATOR™ is a blended biostimulant formulated to support flowering phenology in fruiting crops. It is formulated with selected kelp biostimulants and amino acids to support pollen germination and pollen tube elongation, while supplying calcium and phosphate to support rapid cell division. Kelp extracts in POLLINATOR™ were specifically selected to support reproductive phenology by increasing pollen germination and pollen tube elongation, while alleviating the effects of both physiological and environmental stress factors. POLLINATOR™ contains high levels of salicylic acid and brassinosteroids, which positively effects reproductive processes, to enhance the action of plant produced phytohormones and work against the effects of excessive abscisic acid and ethylene production during these sensitive times of phenology. This in turn enhances flower and fruit set. The kelp extracts in POLLINATOR™ also enhance the uptake of nutrients, specifically calcium and boron.

Selected amino acids in POLLINATOR™ further enhance the action of the applied kelp extracts. These amino acids are well known for their role in reproductive phenology as important precursors for various secondary metabolites involved in pollen production and attraction of pollinators. The inclusion of calcium and phosphate support the need for these critical nutrients often overlooked during the early stages of flower development. Calcium is an important nutrient for cell division and plays a critical role as a second messenger and cell wall loosening agent to initiate the process of pollen tube formation. Calcium also plays a role in directing pollen tube growth through polarity. Calcium maintains this polarity by regulating the distribution of organelles, vesicles, and cytoskeletal elements within the tube. Phosphate is the main nutrient to support energy generation via ATP in the photosynthetic pathway. ATP is a critical energy supplier for all cellular processes, especially during periods of rapid cell division often seen in the early stages of floral development and after fruit set. Phosphate also plays a large role, in directing pollen tube growth in combination with calcium.

POLLINATOR™ is a specially formulated biostimulant to support reproductive phenology while alleviating the effects of both physiological and environmental stress conditions. POLLINATOR™ can be applied with BORON PHLOEM™ or FLOWER POWER™ to supply boron and molybdenum, two crucial nutrients for early floral development.

REGION

NEW ZEALAND

TYPE

Liquid








APPLICATION

Foliar

PACKAGING

1L, 3L, 15L

CROPS

-  Berries
-  Fruit trees
-  Tree nuts
-  Vegetables
-  Grains
-  Legumes
-  Vines

