

# JUVENILE™

## YOUNG TREE AND VINE FOLIAR SPRAY



### DESCRIPTION

JUVENILE™ is specifically formulated for vines and young or non-bearing tree crops to promote vegetative growth throughout the season.

### KEY BENEFITS

- Promotes improved vegetative growth
- Increases the canopy area resulting in improved light interception, photosynthesis, carbohydrate levels and improved quality of bearing wood
- Stimulates root development essential for improved nutrient and water uptake
- Formulated for effective and rapid uptake through the leaves
- Easy to mix with other products containing micronutrients

### CONTAINS

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

( 34 - 1 - 4 - 0 )

|          |            |           |             |
|----------|------------|-----------|-------------|
| <b>N</b> | 33.6 % W/W | <b>Zn</b> | 1.485 % W/W |
| <b>P</b> | 1.3 % W/W  | <b>Cu</b> | 1.125 % W/W |
| <b>K</b> | 3.6 % W/W  | <b>B</b>  | 0.276 % W/W |



### POSITIONING AND FUNCTIONS

JUVENILE™ is specifically designed to promote growth and meet the nutritional requirements of young non-bearing trees and vines. Its composition includes the precise balance of essential macro- and micro-nutrients needed for their development. Additionally, JUVENILE™ contains a plant growth regulator that stimulates the growth of new vegetative shoots. This results in increased canopy growth, reducing the time the plants take to reach the production stage. It also contributes to the formation of more fruit-bearing points in the future.

Furthermore, the promotion of healthy new growth through JUVENILE™ encourages the development of strong roots, which are crucial for nutrient uptake from the soil. This ensures a proper nutritional balance within the plants. As frequent vegetative growth flushes increase the demand for nutrients, there is a risk of deficiencies. Applying JUVENILE™ through foliar applications helps maintain optimal nutrient levels and addresses any existing nutrient deficiencies.

To achieve the best results, applying JUVENILE™ at 4-to-6-week intervals in conjunction with QELPO™, our kelp-based biostimulant is highly recommended. This combination enhances canopy growth, fosters a well-established root system, and accelerates the realization of fruit production.

#### REGION

NEW ZEALAND

#### TYPE

Water-soluble

#### APPLICATION

Foliar

#### PACKAGING

25 KG, 500 KG, 1000 KG

#### CROP

 Young non-bearing tree crops and vines

Product information provided in this document is only valid for New Zealand. | 001 © Agri Technovation

# JUVENILE™

## YOUNG TREE AND VINE FOLIAR SPRAY

### CONTAINS

**N**

Nitrogen is an essential nutrient required by all plants for proper growth. It is an important constituent of the chlorophyll molecule, nucleic acids and proteins.

**P**

Phosphorus is an essential macro-element for plant growth and participates in metabolic processes, such as photosynthesis, energy transfer and the synthesis and degradation of carbohydrates. A plant containing the correct amount of phosphorus will grow vigorously.

**K**

Potassium is involved in the activation of numerous enzyme reactions responsible for the synthesis of proteins and starches in plants. It also plays an essential role in the movement of sugar in the plant.

**Zn**

Zinc is an essential nutrient for young active growing leaves and floral development. It plays an important role in enzyme systems and metabolic reactions and is also required for the production of carbohydrates.

**Cu**

Copper acts as a structural element in regulatory proteins and participates in photosynthetic electron transport, mitochondrial respiration, oxidative stress responses, cell wall metabolism and hormone signalling.

**B**

Boron is involved in the carbohydrate supply to active meristems, lignification of cell walls, nucleic acid synthesis and rate of respiration. It is therefore involved in reproduction, growth, and maintenance of plant organs.



Product information provided in this document is only valid for New Zealand. | 001 © Agri Technovation