



YaraVita™

Pentaflo™

A multi-nutrient foliar treatment containing organic seaweed growth enhancers for fruit and vegetable crops

Guaranteed Analysis:

calcium (Ca)	20% w/v	200g/L
phosphorus (P)	10.5% w/v	105 g/L
nitrogen (N) <small>as urea</small>	6.9% w/v	69 g/L
magnesium (Mg)	6% w/v	60 g/L
zinc (Zn)	4% w/v	60 g/L
boron (B)	2% w/v	20 g/L

Why Foliar Apply?

Calcium requirements:

Calcium is responsible for the structural stability and integrity of plant tissues and deficiency can be related to many disorders such as bitter bit in apples, tip burn in lettuce or blossom end rot in tomatoes.

Phosphorus requirements:

Phosphorus availability in the soil is affected by pH, soil temperature, nutrient interactions etc. P is involved with ATP, the molecule used to provide the energy to drive many of the chemical processes in the plant. This is why P is particularly important at times of high metabolic activity.

Nitrogen requirements:

Protein N is the largest fraction of N in the plant; N plays a key role in nucleic acid formation, amino acid and protein synthesis. N also has a key role in chlorophyll and ATP synthesis.

Magnesium requirements:

Magnesium is the central component of the chlorophyll molecule and is therefore key to all plant growth and development. But, Mg also plays a key role in phosphate and nitrogen metabolism, water uptake by the plant and crop establishment (where applicable).

Zinc requirements:

Zinc is essential for root development and at crop emergence due to its role in auxin (growth hormone) synthesis, auxins control the growth of plants by affecting cell and stem elongation. Zn also plays a specific role in flower fertilization and an inadequate supply during seed set could result in a reduction in seeds formed and smaller than normal fruit or grain.

Boron requirements:

Boron is essential for the integrity and optimal function of membranes and through this role influences diverse functions such as; carbohydrate metabolism, flower formation, pollen germination, fruit setting, water management and transport.



Benefits:

- Formulated for safe application at critical growth stages to satisfy crop requirements
- Widely tank mixable with other crop sprays. Visit www.tankmix.com/yara for details
- Proven, reliable performance. Trialled and tested on a wide range of crops worldwide
- High quality, consistent product. Manufactured to ISO 9001 quality assurance standards
- Easy to use liquid formulation. Pours and disperses easily and quickly into the spray tank
- High nutrient content means lower application rates reducing handling time and waste packaging



Product Recommendations

Typical Crop Recommendations*

- **Apple:** Starting from petal fall onwards, 3 to 5 applications of 7.5-10 L/ha at 10 to 14 day intervals. Do not apply within one month of harvest. Water rate: 500-2000 L/ha.
- **Apricot:** Starting from fruit set (shuck fall) onwards: Three to five applications of 7.5-10 L/ha from at 10 to 14 day intervals. Do not apply within one month of harvest. Water rate: 500-2000 L/ha.
- **Aubergine (Field Grown):** Three applications of 2.5-5 L/ha at start of flowering and at 10 day intervals. Do not apply within one month of harvest. Water rate: 200 L/ha.
- **Beans:** One or two applications, at a 10 to 14 day interval, of 2.5-5 L/ha from the 10 to 15 cm stage up to the appearance of flower buds. Water rate: 200 L/ha.
- **Brassicac:** 2.5-5 L/ha applied from the 4 to 6 leaf stage. Repeat after a 10 to 14 day interval if required. Water rate: 200 L/ha.
- **Capsicums (Field Grown):** Three applications of 2.5-5 L/ha at start of flowering and at 10 day intervals. Do not apply within one month of harvest. Water rate: 200 L/ha.
- **Carrot:** 2.5-5 L/ha when the crop is 10 cm tall, repeated once or twice at 10 to 14 day intervals. Water rate: 200 L/ha.
- **Cherry:** Three to five applications of 7.5-10 L/ha from fruit set onwards, at 7 to 14 day intervals. Do not apply within one month of harvest. Water rate: 500-2000 L/ha.
- **Citrus:** 5-10 L/ha during spring flushes. Repeat 10 to 14 days later if necessary. Water rate: 200 L/ha.
- **Cucumber (Field Grown):** Three applications of 2.5 to 5 L/ha at start of flowering and at 10 day intervals. Do not apply within one month of harvest. Water rate: 200 L/ha.
- **Grapevines:** Three applications of 3 to 5 l/ha at stages flower truss visible, flower buds separated, start of flowering and cap fall / fruit set. Water rate: 200-500 L/ha.
- **Kiwi:** Three to six applications of 5 L/ha from petal fall and repeated at 10 to 14 day intervals thereafter. Do not apply within one month of harvest. Water rate: 200 to 2000 L/ha.
- **Nectarines:** Starting from fruit set (shuck fall) onwards, 3 to 5 applications of 7.5 to 10 L/ha at 10 to 14 day intervals. Do not apply within one month of harvest. Water rate: 500-2000 L/ha.
- **Olive:** 5 to 10 L/ha at bud break. Repeat before flowering if necessary. Also, two to three applications of 5 to 10 L/ha from fruit set to stone hardening. Water rate: 500 L/ha.
- **Onion:** 2.5 to 5 L/ha applied from the 4 to 6 leaf stage. Repeat after a 10 to 14 day interval if required. Water rate: 200 L/ha.
- **Peach:** Starting from fruit set (shuck fall) onwards: Three to five applications of 7.5 to 10 L/ha at 10 to 14 day intervals. Do not apply within one month of harvest. Water rate: 500-2000 L/ha.
- **Pears:** Starting from petal fall onwards: Three to five applications of 7.5 to 10 L/ha at 10 to 14 day intervals. Do not apply within one month of harvest. Water rate: 500-2000 L/ha.
- **Peas:** One or two applications, at a 10 to 14 day interval, of 2.5 to 5 L/ha from the 10 to 15 cm stage up to the appearance of flower buds. Water rate: 200 L/ha.
- **Plum:** Starting from fruit set (shuck fall) onwards: Three to five applications of 7.5 to 10 L/ha at 10 to 14 day intervals. Do not apply within one month of harvest. Water rate: 500-2000 L/ha.
- **Potatoes:** 5 L/ha applied: one week after 100% crop emergence, at tuber initiation (when 50% of tip swellings are twice the diameter of the stolon), at early tuber bulking (when the first formed tubers are greater than 10 mm in diameter) and 10 to 14 days later. Water rate: 50-200 L/ha.
- **Strawberry (Field Grown):** Three applications of 2.5 to 5 L/ha at start of flowering and at 10 day intervals. Do not apply within one month of harvest. Water rate: 200 L/ha.
- **Tomato (Field Grown):** Three applications of 2.5 to 5 L/ha at start of flowering and at 10 day intervals. Do not apply within one month of harvest. Water rate: 200 L/ha.

*The information provided is accurate to the best of Yara's knowledge and belief. Any recommendations are meant as a guide and must be adapted to suit local conditions. Always read the label before use.

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