



# YaraVita™

## New Caltrac™ 400

### Foliar calcium treatment for agricultural and horticultural use

#### Guaranteed Analysis:

calcium (Ca)	40% w/v	400 g/L
boron (B)	0.3% w/v	3 g/L
zinc (Zn)	3.1% w/v	31 g/L
nitrogen (N)	6.9% w/v	69 g/L

#### Why Foliar Apply?

Foliar sprays ensure precise application of the right nutrient mix at the right time, and can be specifically targeted to the leaf or fruit, to suit an immediate crop need.

Foliar application also provides nutrients for immediate uptake by the leaves or fruits. As a result, the grower is not reliant on the right soil, pH or growing media conditions and can quickly put the crop back on course.

#### 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.

#### Boron requirements:

Is essential for the integrity and optimal function of membranes and through this role is known to influence diverse functions such as; carbohydrate metabolism, flower formation, pollen germination, fruit setting, water management and transport within the plant.

#### Zinc requirements:

Zinc is essential for root development and at crop emergence due to it's 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.

#### 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.



#### 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](http://www.tankmix.com/yara) for details.
- Proven, reliable performance. Trialled and tested on a wide range of crops around the world.
- 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:** 3-5 L/ha repeated at 10 day intervals from 4 weeks after petal fall. Water rate: 500 L/ha minimum. Note: Caltrac 400 may leave white marks upon the fruit, similar to other suspension concentrate products. It may be necessary to clean the fruit prior to sale.
- **Avocado:** Apply at a concentration of 150 mLs product per 100 litres water from fruit set at 10 to 14 day intervals to a maximum tree row volume (TRV) of 4000 L/ha. Note: Caltrac 400 may leave white marks upon the fruit, similar to other suspension concentrate products. It may be necessary to clean the fruit prior to sale.
- **Bananas:** 2 L/ha repeated as necessary at 10 to 14 day intervals. Water rate: 30 L/ha minimum. Note: Caltrac 400 may leave white marks upon the fruit, similar to other suspension concentrate product
- **Broccoli:** 3-5 L/ha commencing at the 4 to 9 leaf stage and repeated as necessary at 10 to 14 day intervals. Water rate: 50-500 L/ha. Note: Caltrac 400 may leave white marks upon the harvested produce, similar to other suspension concentrate products. It may be necessary to clean the harvested produce prior to sale.
- **Brussel Sprouts:** 3-5 L/ha commencing at the 4 to 9 leaf stage and repeated as necessary at 10 to 14 day intervals. Water rate: 50-500 L/ha. Note: Caltrac 400 may leave white marks upon the harvested produce, similar to other suspension concentrate products. It may be necessary to clean the harvested produce prior to sale.
- **Cabbage:** 3-5 L/ha commencing at the 4 to 9 leaf stage and repeated as necessary at 10 to 14 day intervals. Water rate: 50-500 L/ha. Note: Caltrac 400 may leave white marks upon the harvested produce, similar to other suspension concentrate products. It may be necessary to clean the harvested produce prior to sale.
- **Calabrese:** 3-5 L/ha commencing at the 4 to 9 leaf stage and repeated as necessary at 10 to 14 day intervals. Water rate: 50-500 L/ha. Note: Caltrac 400 may leave white marks upon the harvested produce, similar to other suspension concentrate products. It may be necessary to clean the harvested produce prior to sale.
- **Canola:** 3 to 5 L/ha applied from the 4 to 9 leaf stage. Repeat as necessary at 10 to 14 day intervals. Water rate: 50-500 L/ha.
- **Capsicums (Field Grown):** Repeat applications of 5 L/ha from the 4 to 6 leaf. Allow 7 days between applications. Water rate: 50-500 L/ha. Note: Caltrac 400 may leave white marks upon the fruit, similar to other suspension concentrate products. It may be necessary to clean the fruit prior to sale.
- **Carrot:** 3-5 L/ha applied when sufficient leaf area to intercept the spray and repeated as necessary at 10 to 14 day intervals. Water rate: 50-500 L/ha.
- **Cauliflower:** 3-5 L/ha commencing at the 4 to 9 leaf stage and repeated as necessary at 10 to 14 day intervals. Water rate: 50-500 L/ha. Note: Caltrac 400 may leave white marks upon the harvested produce, similar to other suspension concentrate products. It may be necessary to clean the harvested produce prior to sale.
- **Cotton:** 5 L/ha at early flowering. Water rate: 30-200 L/ha.
- **Cucurbits (Field Grown):** 3 to 5 L/ha repeated at 7 day intervals during fruit development. Water rate: 200-500 L/ha. Note: Caltrac 400 may leave white marks upon the fruit, similar to other suspension concentrate products. It may be necessary to clean the harvested produce prior to sale.
- **Garlic:** 3 to 5 L/ha at bulb filling. Repeat at the same rate with a 10 to 14 day interval in case of severe deficiency. Water rate: 50 L/ha minimum.
- **Grapevines:** Two applications of 5 L/ha at a 10 to 14 day interval prior to flowering. Also, repeated applications of 5 L/ha at 10 to 14 day intervals from fruit set e.g. fruit set, bunch closure ( pea sized berries ), start of ripening and two weeks later. Water rate: 200 L/ha. NB Late applications may leave a deposit on berries which may be of significance for table grapes.
- **Lettuce (Field Grown):** 3 to 5 L/ha commencing 10 to 14 days after transplanting or emergence and repeated as necessary at 10 to 14 day intervals. Water rate: 50-500 L/ha. Note: Caltrac 400 may leave white marks upon the harvested produce, similar to other suspension concentrate products. It may be necessary to clean the harvested produce prior to sale.
- **Lucerne:** 3 to 5 L/ha applied when the crop is 15 cm tall. Water rate: 50-500 L/ha.
- **Onion:** 3 to 5 L/ha applied at the 6 leaf stage and repeated as necessary 10 to 14 days later. Also, 5 L/ha at bulb swelling, repeated once or twice at 10 to 14 day intervals. Water rate: 30-200 L/ha.
- **Pears:** 3 to 5 L/ha repeated at 10 day intervals from 4 weeks after petal fall. Water rate: 500 L/ha minimum. Note: Caltrac 400 may leave white marks upon the fruit, similar to other suspension concentrate products. It may be necessary to clean the fruit prior to sale.
- **Potatoes:** 5 L/ha commencing 2 weeks after 100% emergence and repeated as necessary at 10 to 14 day intervals. Water rate: 50-500 L/ha.
- **Tomato (Field Grown):** One to four applications of 5 L/ha from flowering on second truss onwards, repeated at 7 day intervals. Water rate: 50-500 L/ha. Note: Caltrac 400 may leave white marks upon the fruit, similar to other suspension concentrate products. It may be necessary to clean the fruit prior to sale.
- **Zucchini (Field Grown):** 3 to 5 L/ha repeated at 7 day intervals during fruit development up to one month before harvest. Water rate: 200-500 L/ha. NB Caltrac 400 may leave a white residue. Where this will affect marketing, cease applications earlier as necessary unless you are satisfied that post-harvest handling operations (water dumps, brushes, waxing, etc) will remove it

*\*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.*

YARA AUSTRALIA PTY LTD  
201 Miller Street, North Sydney, NSW 2060  
Australia  
Freecall: 1800 684 266  
Tel.: 02 9959 4266 Fax 02 9959 4050  
Websites: [www.yara.com.au](http://www.yara.com.au) [www.yaraphosyn.com](http://www.yaraphosyn.com)

Phosyn Analytical (& MEGALAB)  
Tel.: 07 5568 8700 Fax 07 5522 0720  
Email [phosynanalytical@phosyn.com](mailto:phosynanalytical@phosyn.com)

©Australia/New Caltrac 400 12/07

