

# YLAD Living Soils *Putting life back into the land*

## Cal-Tech™

Soil Balancing

Cropping

Pasture &amp; Animal

Foliar &amp; Fertigation

### Amino-Chelated Liquid Calcium (with Boron)

Calcium is the trucker of all minerals and boron is the steering wheel.



#### Description

A liquid calcium product, combining enhanced absorption capacity and bio-stimulation with the highest percentage of chelated calcium in ionic form ever achieved. Cal-Tech™ is chelated with amino acids. Boron, a proven calcium synergist, is also included in the formulation, along with nitrogen, trace elements, natural growth promotants and vitamin B<sub>12</sub> (a growth promotant that has been shown to increase calcium uptake and bio-availability).

#### Benefits

- Calcium is the single most important nutrient in high-production agriculture and Cal-Tech™ provides rapidly absorbed, chelated liquid calcium.
- Calcium and boron are synergists and part of The Big Four, i.e. four elements that should always be maintained at luxury levels within the plant.
- Boron is directly involved in the translocation of sugars from the leaf to the roots. Half of these sugars are exuded into the root zone to feed beneficial micro-organisms, i.e. boron has a direct biological link.
- Best results are achieved from well-timed, multiple applications. In this context, all crops respond to calcium supplementation during the crop cycle.

#### Packaging

Available in the following volumes:

- 1 L
- 5 L
- 20 L
- 200 L
- 1000 L



## Typical Analysis w/v

Nitrogen (as organic N) . . . . .	2.1%
Nitrogen (as nitrate). . . . .	9.2%
Total Nitrogen. . . . .	11.3%
Total Phosphorus (as organic P) . . . . .	0.25%
Total Potassium (as organic K) . . . . .	0.62%
Calcium . . . . .	13.3%
Boron . . . . .	0.50%
pH. . . . .	4.5
Specific Gravity . . . . .	1.35
Conductivity. . . . .	62-92 mS/cm
Solubility . . . . .	Fully miscible in water

**Appearance:** Thin brown liquid

## Application Rates

**Foliar:** (minimum dilution 1:100)

**Small crops, turf & vines:** 3 - 5 L per ha

**Orchard crops:** 4 - 7 L per ha

### Flowering Recipe:

To maximise the flower to fruit set ratio, combine Cal-Tech™ at 4 L per ha with Tri-Kelp™ at 600 g per ha just prior to flowering.

## Miscellaneous

- **Note:** Product in 1000 L tanks may weigh over 1 tonne. Forklift with 2 tonne lifting capacity is recommended.
- **Note:** Should not be mixed with phosphate or sulphate based fertilisers.
- Must be given a good shake or stir to ensure even consistency.

## Storage & Handling

- Compatibility and/or performance cannot be guaranteed when combined with other products and varying water quality. Jar test for compatibility and spray test on small area before wide-spread use. When combining with other chemicals, add Cal-Tech™ to the tank last.
- Store in cool dry area out of direct sunlight. This product has been tested to store safely down to 5°C. Crystallisation or sedimentation may occur below 5°C.
- Shake concentrate thoroughly before adding to partially filled tank.
- Shake or stir before use, especially when near empty to dissolve the residue on the bottom of the drum/bottle.
- Do not pre-mix or store in diluted form, and use promptly once opened.
- Allfoliar sprays perform best when applied early morning or late afternoon.

## Warning

- Avoid spraying close to harvest if fruit/vegetables are susceptible to staining.

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**Phone: 02 6382 2165 1300 811 681**

[www.yladvivingsoils.com.au](http://www.yladvivingsoils.com.au) | [www.yladvivingcompost.com.au](http://www.yladvivingcompost.com.au)

Chillingworks Rd, Young NSW