

# TOTAL K

## 41.5% POTASSIUM

### AN ENHANCED POTASSIUM SOLUTION

#### GUARANTEED ANALYSIS

41.5% W/V Potassium (K) 415g/Litre as carbonate

- ▶ High concentration – 41.5% potassium as carbonate (known to be very efficient for foliar uptake)
- ▶ Formulated to ensure maximum plant uptake with complete crop safety
- ▶ Economical
- ▶ Lower water rates required
- ▶ Good compatibility
- ▶ Clear yellow liquid – easy to measure and use

**Total K** is a highly concentrated, high performance Potassium formulation used to improve plant function at flowering and fruit set and fruit retention and development.

Potassium performs the following functions within a plant:

- Activator of enzyme systems - necessary for efficient functioning of the plants major metabolic processes (photosynthesis - respiration).
- Carbohydrate metabolism - necessary for the movement of carbohydrates from point of manufacture to point of storage (bolls). Cotton lint is a by-product of carbohydrate formation.

- Essential for translocation of sugars and starch formation, helping to form higher quality produce from the crop.
- Protein synthesis - necessary for correct functioning of photosynthesis units (Potassium deficiency can cause a breakdown in chlorophyll proteins).
- Nitrogen metabolism - essential for the growth of the plant throughout its entire life cycle.
- Plant Turgidity - maintaining water content within the plant. This contributes to a better disease resistance by creating thick robust plant walls reducing fungal spore penetration.
- Required for leaf stomata opening and closing.

The use of **Total K** in fruit, vegetables and grain crops to increase potassium levels during flowering and fruit or grain fill will aid in periods of intense flowering, fruit and grain filling and ripen and colour formation in fruit and vegetables.



## ALWAYS CHECK FOR COMPATIBILITY FIRST

Further information and advice contact Growth Agriculture Pty Ltd on FREECALL 1800 440 438.

## RECOMMENDED APPLICATION RATES AND TIMINGS:

**Apples and Pears:** 3 to 5 L/ha. Commence application 4 to 6 weeks after petal fall and repeat as necessary at 10 to 14 day intervals. Water rate: 400 to 1,000 L/ha.

**Apricots, Cherries, Peaches, Plums, and Nectarines:** 3 to 5 L/ha. Commence applications at stone hardening and repeat applications may be made at 10 to 14 day intervals up to one week before harvest. Water rate: 500 to 1,000 L/ha.

**Brassicas, Brussel Sprouts, Cabbage, Cauliflower, Calabrese and Broccoli:** 3 to 5 L/ha. Commence application at 4 to 6 true leaves and repeat as necessary at 7 to 10 day intervals between applications. Water rate: 250 to 750 L/ha.

**Carrots:** 3 to 5 L/ha. Commence application when there is sufficient leaf area to intercept spray with 10 to 14 day intervals between applications. Water rate: 200 to 500 L/ha.

**Citrus:** 3 to 5 L/ha. Commence application after fruit set and repeat as necessary at 14 to 21 day intervals. Water rate: At least 1,000 L/ha.

**Cotton:** 2 to 5 L/ha. Three applications at 14 day intervals commencing prior to first flower. Water rate: 30 to 100 L/ha.

**Lucerne:** 5 L/ha. Commence application when there is sufficient leaf area to intercept spray. 50 to 250 L/ha.

**Mango:** 2 L/ha. Commence applications at fruit swelling and repeat as necessary at 14 to 21 day intervals. N.B. Do not apply within 7 to 10 days of any oil application. Water rate: 400 to 1,000 L/ha.

**Onions:** 5 L/ha. Commence application when there is sufficient leaf area to intercept spray. Water rate: 200 to 500 L/ha.

**Pineapple:** 5 L/ha. Apply 4 to 6 weeks before harvest. Water rate: 400 to 600 L/ha.

**Potatoes:** 3 to 5 L/ha. Apply during bulking and repeat as necessary at 7 to 10 day intervals. Water rate: 200 to 500 L/ha.

**Strawberries:** 5 L/ha. Commence after flowering and repeat as necessary at 7 to 10 day intervals. Water rate: 500 to 1,000 L/ha.

**Tomatoes:** 3 to 5 L/ha. Commence applications at flowering of second truss and repeat as necessary at 7 to 10 day intervals. Water rate: 200 to 500 L/ha.

**Turf:** 10 L/ha. Commence application as soon as growth commences in the spring. In the case of moderate to severe efficiency, repeat applications at 14-day intervals. Water rate: 500 to 1,000 L/ha.

**Vines:** 3 to 5 L/ha. Commence application at fruit set, pea sized berries, and at start of ripening. Water rate: 500 to 1,000 L/ha.

**Fertigation:** Up to 50 L/ha. Repeat the application at 7 to 10 day intervals as necessary.

## MIXING AND SPRAYING

Shake the container thoroughly before use. Pour through the top filter into the tank three quarters with water, whilst agitating. Top up with water and continue to agitate until spraying is completed.

## COMPATIBILITY

TOTAL K is physically compatible with many agrochemicals.

