



Before

After

## Foliar Liquid Potassium

### Guaranteed Analysis

41.5% W/V Potassium (K) 415 g/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 the yield and quality in cotton.

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.
- 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.
- Hydration of succulence – maintaining water content within the plant (vital for fibre elongation).

The use of **Total K** in cotton crops can increase yield and boll weight; increase maturity of fibres (degree of secondary thickening), and increase fibre length; and opens stomates increasing photosynthesis.



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ALWAYS CHECK FOR COMPATIBILITY FIRST. Further information and advise 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, Brussell 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. When 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. 3 applications at 14 day intervals commencing prior to first flower. Water rate: 30 to 100 L/ha.

**Lucerne:** 5 L/ha. When 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. When 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. 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. 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.



Your Growth is our Business