

GROWTH
agriculture

ENGAGE P-K

LIQUID PHOSPHATE FERTILISER

N P K 0 – 40 – 36

Typical Analysis

	%W/V	g/L
Phosphorus – P	40	400
Potassium – K	36	360
Chlorine	0.01	0.1

Derived from phosphorus acid and potassium hydroxide

- ⇒ Rapidly absorbed through both roots and foliage
- ⇒ Very soluble
- ⇒ Very mobile in the plant
- ⇒ Higher concentration of “P” than phosphate based products.
- ⇒ High concentration of “K”

Engage PK - the most effective source of phosphorus for plants is derived from Phosphorus acid, which provides nutrients in the form of phosphites.

Phosphite has one less oxygen molecule than phosphate and therefore has a higher degree of solubility and mobility in the plant. This unique characteristic means that Phosphites have the ability to be rapidly absorbed and translocated across plant membranes during times of peak demand.

Engage PK can increase the effectiveness of absorption by the plant roots avoiding the traditional problems associated with phosphates fertilisers in the past, especially losses occurring through soil particle absorption and phosphate ion salt formations, particularly prevalent in low organic matter soil types.

Engage PK phosphite fertilizer is approximately 12% higher in solubility than a phosphate salt, and the phosphite ion has a “P” content 6.5% greater than the phosphate ion.

Engage PK phosphite based fertilisers is less suppressive to mycorrhiza fungi than phosphates. These valuable fungi enhance nutrient up take by the plant roots.

Engage PK provides P and K to the crop when these elements are unavailable through the soil.

GOOD GROWTH IS OUR BUSINESS

ALWAYS CHECK FOR COMPATABILITY FIRST. For further advice contact **GROWTH agriculture on FREECALL 1800 440438.**

APPLICATION	RATE Lt/Ha	COMMENTS AND INFORMATION
VEGETABLES: Beans, beets, broccoli, carrots, cauliflower, cucurbits, garlic, lettuce, leafy vegetables, melons, onions, peas, peppers, crops, spinach, strawberries, tomatoes. Cotton, peanuts	2 to 4	Apply the first application after transplanting or thinning. Apply one or two subsequent applications at 10 to 15 day intervals as needed to meet nutritional needs.
BERRIES: Blueberries, cranberries, cane berries	1 to 2	Apply first application at pre-bloom. Additional applications can be made every 2 weeks as required.
ORCHARDS: Citrus, avocados, tree fruit, nuts COTTON	2 to 4	Apply first application at pre-bloom. Additional applications can be made every 2 weeks as required to meet nutritional requirements.
GRAPES	1 to 4	Apply first application at pre-bloom with subsequent applications at 2 to 4 week intervals to meet nutritional requirements.
TUBER CROPS: Potatoes, sweet potatoes and other tuber crops	1 to 4	Apply every 11 to 30 days to meet nutritional requirements.
Hops Grain Spearmint Peppermint	1 to 4	Apply first application at 8 to 10 cm of new growth. Additional applications may be made every 2 weeks thereafter or as needed to meet nutritional requirements.

GENERAL INSTRUCTIONS:

- **Growth Engage P-K** is a nutrient foliar spray that is intended to be used as a supplement to a regular feeding program. Tissue and soil tests are recommended to determine the ideal rate.
- The application rates may be varied according to soil fertility levels, fertiliser history, location, climate and the requirements of any farm or crop. **Growth Engage P-K** mixes well with most spray chemicals, but ALWAYS TEST FOR COMPATIBILITY FIRST. For further advice contact **GROWTH agriculture on FREECALL 1800 440438.**

APPLICATION: When applying by ground sprayers, use with a minimum of 100 L of water per ha. When used in an aerial application use at least 30 L of water per ha.

STORAGE AND DISPOSAL:

- Store in the closed original container in a cool, well ventilated area. DO NOT store for prolonged periods in direct sunlight. DO NOT store material that has been mixed with water – it will not keep.
- Triple or preferable pressure rinse containers before disposal. Add rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site. If recycling replace cap and return containers to recycler or designated collection point.
- If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If not available bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetable and tree roots. Empty containers should not be burnt.

SAFETY DIRECTIONS: May irritate the eyes and skin, avoid contact with the eyes and skin. Wash hands after use.

FIRST AID: If poisoning occurs contact a Doctor or Poisons Information Centre (131126).



Is a division of GROWTH agriculture ABN: 98 849 457 234
Email: sales@growthag.com.au

GROWTH agriculture
Head Office 70 Boolcarrol Rd WEE WAA NSW FREECALL: 1800 440 438