

GROWTH

Total N

CONTROLLED RELEASE NITROGEN

35 - 0 - 0

TYPICAL ANALYSIS

	% W/V
Nitrogen as Urea	10.6
Nitrogen as Ureaformaldehyde	25.0
Total nitrogen	35.6
Biuret	0.1
Water	27.0

GROWTH AGRICULTURE PTY LTD

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LITRES

GROWTH TOTAL N DIRECTIONS FOR USE

CROPS	RATE L/ha	CRITICAL COMMENTS
Cotton: Early Season Mid Season	2.5 to 5 20 to 30	Apply in an over the row application after plants reach 4 leaf stage. Apply at early bloom and repeat as necessary.
Apples	5 to 20	Apply at bud swell to full bloom, repeat 30 days later. 5 to 20 L/ha 30 to 40 days prior to harvest for sizing. Post harvest: 5 to 20 L/ha to assist bud initiation.
Cabbage, Cauliflower, Broccoli	20 to 30	Apply at early head development and repeat 7 to 10 days later.
Celery	10 to 20	Apply 10 days after transplanting. Repeat at 20 L/ha in 3 intervals until 3 weeks prior to harvest, using 70 to 80 litres total over crop.
Citrus	10 to 15	Apply at pre-bloom or bloom to increase fruit set and repeat in 30 days. Subsequent applications when nitrogen needs are evident.
Garlic	15 to 20	Spray directed over the row from 25 to 30cm high. Make 3 to 4 applications.
Grapes	10 to 20	Apply when nitrogen needs are evident or an increase in canopy is required to reduce sunburn.
Lettuce	20 to 30	Apply after thinning. Repeat 14 days later and again 14 days prior to harvest.
Olives	10 to 30	Apply at pre-bloom and repeat in 30 days. Apply 30 L/ha 4 to 6 weeks prior to harvest.
Peaches, Plums, Prunes, Apricots, Nectarines	5 to 20	Apply at bud swell to early bloom when increased fruit set is desired, repeat in 30 days to maintain increased set. 5 to 20 L/ha 4 to 6 weeks prior to harvest for improved fruit sizing and reduction of 'green shoulder'. Rate dependent on tree size and conditions. Post harvest: 5 to 20 L/ha to strengthen buds.
Potatoes	20	20 L/ha prior to tuberization and at early bloom at 20 L/ha. A third application of 20 L/ha in the weeks following bloom may be needed. Can be applied with pesticides. Buffering of combinations may be necessary as GROWTH TOTAL N is pH stable at 8.5 to 9.8.
Rice	30	Apply at flag leaf emergence and repeat when nitrogen needs are evident.
Strawberries	5 to 20	Apply at early bloom and repeat in 14 to 21 days.
Soy Beans	10 to 20	Apply at early pod and repeat in 14 to 21 days.
Spinach	5 to 20	Apply when adequate foliage. Apply again 7 to 10 days prior to harvest if double cropping.
Tomatoes	5 to 20	Apply at early bloom. Repeat at fruit set and again 15 to 30 days later. Apply 10 to 30 L/ha 3 to 4 weeks prior to harvest to strengthen canopy and to reduce sunburn.
Wheat	20 to 30	Apply at flag leaf stage depending on residual soil fertiliser or rainfall, etc. Flag leaf stage according to Feekes Scale is generally the sixth or seventh true leaf on the main stem of the plant. Can be applied with herbicides at 10 to 20 L/ha. Can also be applied with Tilt at 2 to 3 leaf stage. Can be applied in low volume or undiluted.
Young Trees	30	For growth response use 30 L/ha in 1000 litres of water and spray wet.

GENERAL INSTRUCTIONS:

- GROWTH TOTAL N is designed as a foliar spray for cotton, vegetables, trees and other crops, which require supplemental Nitrogen. It may also be used as a soil applied product.
- This product has a lower pH level compared to other Nitrogen solutions, which improves its effectiveness as a foliar application.
- GROWTH TOTAL N contains Nitrogen in amounts which could be excessive for some crops. For further advice contact GROWTH AGRICULTURE Pty Ltd on FREECALL 1800 440 438.

COMPATIBILITY:

GROWTH TOTAL N mixes well with most spray chemicals, but ALWAYS TEST FOR COMPATIBILITY FIRST.

APPLICATION:

When applying by ground sprayers, use with a minimum of 60 L of water per ha. When used in aerial application use at least 20 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. Use within 6 months of Date of Purchase. Store unblended in closed container below 30°C. Dilute with water and blend with other nutrients and pesticides only at the time of application and in the amounts required. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean 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 vegetation and tree roots. Empty containers and product should not be burnt.

SAFETY DIRECTIONS:

Wash hands after use. Avoid contact with skin and eyes. DO NOT SWALLOW.

FIRST AID:

CAUTION – MAY CAUSE IRRITATION – HARMFUL IF SWALLOWED
Avoid contact with eyes and prolonged contact with skin. Wear safety glasses and resistant gloves. DO NOT store in unmarked containers. Harmful if swallowed. If swallowed, do NOT induce vomiting. For advice, contact a Poisons Information Centre (Phone Australia 13 1126) or a doctor at once. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

MATERIAL SAFETY DATA SHEET:

Additional information is listed in the Material Safety Data Sheet.

CONDITIONS OF SALE:

GROWTH AGRICULTURE PTY LTD shall not be liable for any loss, injury or damage whether consequential or otherwise, whatsoever or howsoever arising, whether through negligence or otherwise in connection with the sale, supply, use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on GROWTH AGRICULTURE'S skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of GROWTH AGRICULTURE PTY LTD has any authority to alter these conditions.

Batch No.

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