

GROWTH
agriculture

TOTAL N

LIQUID NITROGEN

35% W/V Nitrogen 350g/litre

35:0:0

70% of available Nitrogen in a controlled release

Analysis:

10.6 % W/V Nitrogen (N) as Urea

25.0% W/V Nitrogen (N) as Ureaformaldehyde

35.6% W/V Total Nitrogen (N)

0.1% W/V Biuret

37% W/V Water

- ⇒ Efficient uptake of nitrogen – provides immediate and controlled release nitrogen effectively
- ⇒ Can deliver higher rate of nitrogen with lower water rates without burning – very safe
- ⇒ Provides nitrogen as the plant requires
- ⇒ Rainfast under normal conditions in 1 hour
- ⇒ Most absorbed after 6-8 hours – all in 24 hours
- ⇒ Minimum losses from hydrolysis, denitrification and leaching
- ⇒ By staying in the liquid phase on the leaf it does not crystallise on the leaf surface or lose Nitrogen to the atmosphere through ammonia volatilisation
- ⇒ Compatible with most agro chemicals and foliar fertilisers
- ⇒ Due to its oily resinous nature it has a sticker/spreader quality of its own
- ⇒ Formulation for maximum uptake and crop safety
- ⇒ Convenient liquid
- ⇒ Pack sizes – 20L, 200L and bulk

Total N is a patented highly crop safe formulation of controlled release nitrogen to improve yield and quality of most crops. It comprises 30% of the Nitrogen as Urea that is utilised by the plant rapidly and 70% in a controlled release form that is used as the plant requires.

Total N can be used when nitrogen levels are low; nitrogen availability is limited due to water logging or drought or to stimulate young cotton plants in their establishment phase. In this situation, more outstanding results have been achieved by the use of Growth B&B.

DIRECTIONS FOR USE:

Apply to crop with adequate water for crop coverage.

SITUATION	RATE	APPLICATION & TIMING
<i>COTTON:</i> Early Season Mid Season	2.5 to 5 L/ha in an over the row application after plants reach 4 leaf stage. 20 to 30 L/ha at early bloom and repeat as necessary.	
<i>APPLES:</i>	5 to 20 L/ha in bud swell to king 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.	
<i>CABBAGE,</i> <i>CAULIFLOWER</i> <i>,</i> <i>BROCCOLI:</i>	20 to 30 L/ha at early head and repeat 7 to 10 days later.	
<i>CELERY:</i>	10 to 20 L/ha 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.	
<i>CITRUS:</i>	10 to 15 L/ha at pre-bloom or bloom to increase fruit set and repeat in 30 days. Subsequent applications when nitrogen needs are evident.	
<i>GARLIC:</i>	Spray 15 to 20 L/ha directed over the row from 25 to 30cm high. Make 3 to 4 applications.	
<i>GRAPES:</i>	10 to 20 L/ha when nitrogen needs are evident or an increase in canopy is required to reduce sunburn.	
<i>LETTUCE:</i>	20 to 30 L/ha after thinning. Repeat 14 days later and again 14 days prior to harvest.	
<i>OLIVES:</i>	10 to 30 L/ha at pre-bloom and repeat in 30 days. Apply 30 L/ha 4 to 6 weeks prior to harvest.	
<i>PEACHES,</i> <i>PLUMS,</i> <i>PRUNES,</i> <i>NECTARINES,</i> <i>APRICOTS:</i>	5 to 20 L/ha 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.	
<i>POTATOES:</i>	20 L/ha prior to tuberisation and at early bloom at 20 L/ha. A third application of 20 L/ha weeks following bloom spray may be needed through fertigation system. Can be applied in pesticides. Buffering of combinations may be necessary as Total N is pH stable at 8.5 to 9.8 **	
<i>RICE:</i>	30 L/ha at flag leaf emergence and repeat when nitrogen needs are evident.	
<i>STRAWBERRIES:</i>	5 to 20 L/ha at early bloom and repeat in 14 to 21 days.	
<i>SOY BEANS:</i>	10 to 20 L/ha at early pod and repeat in 14 to 21 days.	
<i>SPINACH:</i>	5 to 20 L/ha when adequate foliage. Apply again 7 to 10 days prior to harvest if double cropping.	
<i>TOMATOES:</i>	5 to 20 L/ha 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.	
<i>WHEAT:</i>	20 to 30 L/ha 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 in 2 to 3 leaf stage. Can be applied in low volume or undiluted.	
<i>YOUNG TREES;</i>	For growth response use 30 L/ha in 1000 litres of water and spray wet.	

Avoid contact with eyes and prolonged contact with skin. Wear safety glasses and resistant gloves. Do not store in unmarked containers. Harmful if swallowed.

STORAGE AND BLENDING INSTRUCTIONS

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.

TANK MIXING

- Add 1/2 total water to tank
- Turn on agitator
- Add prescribed volume of TOTAL N
- Add any additional products, liquids first followed by soluble powders
- Fill tank to required level and recirculate before spraying



Is a division of Agriforce Direct Marketing Pty Ltd ABN: 98 849 457 234

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