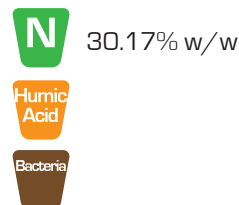


# BioLife **ULTIMATE N**



A highly concentrated liquid nitrogen and humic acid complex ideal for boosting nitrogen levels and plant growth.

## FEATURES OF ULTIMATE N

- Humic acid complex with plant available nitrogen
- Minimises losses typically associated with nitrogen fertilisers as a result of environmental conditions and denitrification
- High absorption rate provides excellent nutrient use efficiency
- Beneficial microorganisms: Selected Bacillus strains

### The Role of Nitrogen

Nitrogen forms proteins and increases the yield of all crops. It is the essential building block of plant structure and is vital to plant growth but can be a limiting factor in uptake of other nutrients.

Nitrogen is often leached from the soil therefore regular small applications will ensure efficient uptake without excessive losses.

### The Role of Humic Acid

Humic acid assists the penetration of nutrients into plants more efficiently therefore no additional adjuvants are required. Humic acid, the active constituent of humus, plays an important role in nutrient availability and cation exchange. Microbial activity, water-holding capacity and soil structure are improved with high humic acid levels in soil.

### Nitrogen Deficiency Symptoms

Ultimate N™ is a high nitrogen product which sustains rapid growth in the initial stages after the plant has established a good root system. Ultimate N™ is designed to stimulate vigorous vegetative growth in all ground and tree crops. The use of high nitrogen fertiliser levels should be discontinued at least 10 days prior to budding and flowering (except cereal crops). Ultimate N™ will also boost protein levels in cereals with application prior to flowering. One major advantage of this product is that no follow-up rain irrigation is required after application, because of its liquid formulation and high absorption rate.



## Application rates

### Suitable for:

Foliar

Fertigation

	Rates	Dilution	Application Notes
Cereals (foliar)	10-15 L per Ha	1:5	Apply from early/mid tillering to booting. 2nd application at milky dough may help in protein boost. DO NOT apply whilst flag leaf is emerging or during 5-90% flowering. All applications after should be diluted 1 : 1 with water and preferably applied in the evening to minimise risk of burn.
Rape (foliar)	15L L per Ha	1:5	Apply at full cabbage, repeat as required.
Potatoes	5-7 L per Ha	1:50	Apply monthly starting four weeks after emergence
Legumes	5-7 L per Ha	1:50	Apply only if crop exhibits poor nodulation or in growth stages prior to nodulation
Stone & Pome Fruit (foliar)	3-5 L per Ha	1:100	Apply in spring after stem extension growth. DO NOT apply after fruit set.
(fertigation)	10-15 L per Ha		Post harvest application, apply before leaf fall Apply as required at regular intervals
Vegetables	5-7 L per Ha	1:100	Monthly application commencing 4 weeks after emergence or 21 days after transplanting

Available in:  
10 Litres  
1000 Litres

NOTE: The suggested rates of application are designed for typical UK conditions and such should be used as a guide only. Each farmer's climatic conditions, water quality, soil types, application processes and practices may differ and therefore necessitate corrections to ensure optimum results. Good agricultural practice requires that application be avoided under extreme weather conditions such as temperatures over 28 C, high humidity, frost, rain etc. It is recommended that when applying to a crop or area for the first time, or in combination with other chemicals, a small test area should be sprayed and observed prior to the total spray. Where possible, it is recommended that regular leaf (sap) tests are conducted to determine actual plant nutrient availability during each growth cycle. Soil tests at least once per year are essential

Specific Gravity: 1.33

Agitate contents well before dilution.

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