

# BLAAZT AminoA<sup>®</sup>



A REVOLUTION IN CROP NUTRITION



BLAAZT off your  
yield and quality

A **hybrid product** combining protected stabilised amine Nitrogen, complexed calcium, micronutrients, fulvic and humic acid with a broad spectrum of L-isomer amino-acids.

[www.aminoa.co.uk](http://www.aminoa.co.uk)

**AminoA BLAAZT** contains **Nitrogen** in the **Amine** form

- The most efficient form of **Nitrogen**
- Normally only produced by the plant

**Phosphate and Potash (Dependant on formulation)**

- Essential elements for root and cell wall development

**Complexed Calcium and Boron**

- Help stimulate continuous root development which increases the plants ability to uptake nutrients
- Reduce apical dominance

**Fulvic and Humic acid.**

- Natural growth stimulants

**L-isomer amino-acids**

- Increase the bio-synthesis of proteins
- Promote efficient plant growth
- Increase the plants resistance to abiotic and biotic stress.

**AminoA BLAAZT has a neutral pH which enables efficient nutrient uptake.**

**Treated**



**Untreated**



**AminoA BLAAZT** promotes branching, flowering and pod set in Oil Seed Rape.

## AminoA BLAAZT

**AminoA BLAAZT** improves profits by:

- Improving yield and quality in all crops
- Effective Nitrogen nutrition
- Increasing uptake of available nutrients
- Reducing overall fertiliser costs
- Improving application accuracy of fertilisers
- Reducing the cost of field operations
- Improving efficacy of other inputs (fungicides etc)
- Tank mixes readily with agrochemicals\*
- Reduces the risks of environmental pollution from the run off of easily leached chemical fertilisers
- Is safe for the environment and the operator

### Standard formulation

Element		
N mg/kg	Nitrogen	165590
P mg/	Phosphorus	2784
K mg/kg	Potassium	5019
Na mg/kg	Sodium	911
Mg mg/kg	Magnesium	6244
S mg/kg	Sulphur	930
B mg/kg	Boron	146
Cu mg/kg	Copper	0.22
Fe mg/kg	Iron	140
Mn mg/kg	Manganese	1.4
Mo mg/kg	Molybdenum	1.2
Ca mg/kg	Calcium	30500
<b>Total Amino Acids</b>		<b>4%</b>

Other matter	
Dry matter (loss at 105°C,16 hr)%m/m	54.82
Organic Dry Matter (loss at 525°C-105°C)%m/m	44.96
pH	7.1
Electrical conductivity, microS/cm	42300
Density (20°C) g/ml	1.220



### **AminoA BLAAZT maximises new root development**

- The 10mm behind the root cap is the most active area where most H<sub>2</sub>O and nutrients are absorbed
- Active roots are only active for 7–14 days and older roots are not functional
- Active new roots are essential for plant growth
- Complexed Calcium together with the amino-acids in **AminoA BLAAZT** maximise new root growth development and the plants ability to maximise the uptake of available nutrients

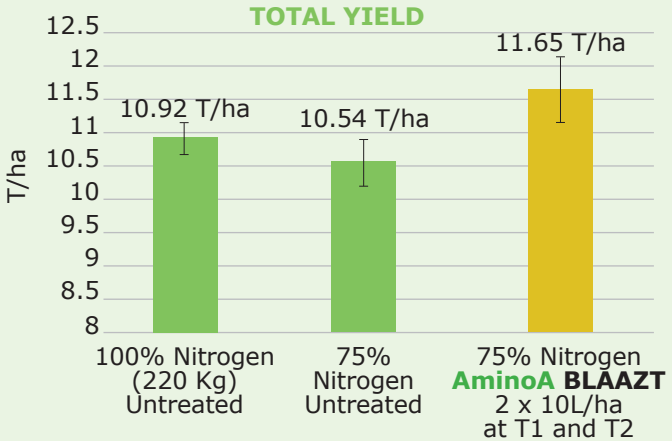
**AminoA BLAAZT** is formulated to mix with most agrochemicals\* and improve their efficiency. This means less field operations and significant amounts of the crop's nutritional requirements can be delivered together.

Significantly less Nitrogen needs to be applied and in very fertile soils it may be possible to eliminate classical Nitrogen application entirely – **reducing costs**

- Reducing environmental pollution
- Better application accuracy
- Reduced crop stress
- More branching and pod development in flowering crops
- Improved root development rather than apical growth, shorter internodes in wheat

## Winter Wheat reduced Nitrogen trial 2022

WW (var *Graham*), Planted 22 October 2021, Harvested 3 August 2022



**AminoA BLAAZT**  
treated Oil Seed Rape  
5 February 2019

**28 days**  
after application  
of 10 litres of  
**AminoA BLAAZT**

(only 2kg of Amine Nitrogen)

### Environmental benefits

- Allows the efficient application of Nitrogen in NVZ's.
- Eliminates the risk of environmental pollution from the nitrate leaching.
- Improves the efficiency of other agrochemicals and fertilisers potentially reducing the amount applied
- Is beneficial to soil and plant micro-organisms
- Reduces field operations and carbon emissions
- Reduces the carbon footprint of transporting bulky fertilisers.



## AminoA BLAAZT increases wheat protein

- AminoA BLAAZT improves the genuine biosynthesis of protein
- Apply 20 litres per hectare to bread making wheats between mid to end flowering

### AminoA BLAAZT Winter Wheat trial 2018 variety Crusoe

Hagberg	Protein DM
369	16.77
399	17.25
379	17.31
367	16.57

### Recommendations for use in all crops

- Apply **AminoA BLAAZT** at 10 litres in 100 – 200 litres H<sub>2</sub>O per hectare
- Repeat as necessary to coincide with agrochemical applications.\*
- Monitor crop growth by leaf tissue analysis and only apply other forms of Nitrogen as required.

\*Do not mix with ALS inhibitor herbicides as their mode of action is to inhibit the enzyme responsible for biosynthesis of branch chain amino-acids, however applications 5 – 7 days after the application of these herbicides has been shown to improve their effectiveness.



To find out how our products improve your crop performance email [enquiries@aminoa.co.uk](mailto:enquiries@aminoa.co.uk)



or call **01633 894300** to speak to our technical team, or call the UK office **+44 1633 894300**.



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