

# Amino Beta

## Precision Stress Management & Metabolic Activator

High-Concentration Betaine 10% w/v  
+ L-Amino Acid Complex 5% w/v

Amino Beta is a high-performance agricultural biostimulant formulated to support crop performance under both optimal and stress-prone growing conditions. It combines a high concentration of betaine with free L-amino acids and biologically active metabolites, delivering targeted physiological buffering alongside sustained metabolic activation.

This formulation supports enhanced stress tolerance, promotes efficient photosynthetic activity, and can contribute to higher yield and quality outcomes.

## Why Amino Beta?

High betaine concentration for rapid physiological buffering

Dual-action formulation: stress protection + metabolic activation

Reliable performance under modern, stress-intensive agronomy

Compatible with standard fertilisation and crop protection programs

Suitable for a wide range of crops and production systems

## Agronomic Benefits

Improves plant tolerance to drought, heat, and salinity stress

Supports faster recovery following abiotic or chemical stress

Enhances water use efficiency and cellular stability

Supports photosynthesis and metabolic activity under stress

Promotes nutrient uptake efficiency and root functionality

Contributes to improved yield stability and crop quality

## Mode of Action:

Regulates cellular osmotic balance helping plants **maintain turgor and metabolic activity** under drought, heat, and salinity stress.

Accelerates **physiological recovery and growth** resumption.

**Stabilises** cell membranes, proteins, and enzymes, **reducing stress-induced physiological damage.**

**Preserves** photosynthetic efficiency and chlorophyll functionality **during adverse conditions.**

Supplies readily available L-amino acids and biologically active metabolites, **reducing the plant's energy cost of synthesis.**

Supports **continuous energy production** and **nutrient uptake** efficiency **during stress** and recovery phases.





## Target Crops (indicatively)

### Recommended Use & Application Rates

Application timing should align with crop needs or forecasted stress events.

Application Type	Dose	Timing & Strategy
Foliar Spray	0.5 – 1.5 L/Ha	Apply from early vegetative stages through flowering. Ensure good coverage.
Soil / Drip Irrigation	1.0 – 2.0 L/Ha	Apply at the onset of stress conditions or to support root zone establishment.
Maintenance	Re-apply	During prolonged stress periods, repeat application every 7–14 days.

#### Specialty:

Berries  
Fruit trees  
Leafy crops  
Nurseries  
Ornamentals  
Turf  
Vegetables  
Vines

#### Broadacre:

Sugarcane  
Cereals  
Legumes  
Maize  
Potatoes  
Rice  
Root crops

#### Tropical fruit:

Bananas  
Palms  
Pineapples

#### Mixing Instructions:

Dilute into water with good agitation. Compatible with most crop inputs.

Perform a jar test if combining with other products.

## Safety & Handling

- Avoid ingestion and contact with eyes/skin.
- Use appropriate PPE (gloves, eye protection).
- Store in a cool, dry place away from direct sunlight.
- Dispose of contents/container according to local regulations

*Non-hazardous under standard agricultural handling; biodegradable components.*

#### Compatibility:

Generally compatible with most fertilizers, micronutrients, and pesticides when properly diluted. Field test small mixes before wide application.

#### Storage Life:

24 months under recommended conditions



#### Important Notice:

Amino Beta is a natural biological product. Variations between batches and seasons are normal and reflect the absence of synthetic standardisation, ensuring a formulation closer to nature's biological rhythms.

The crops and application rates referenced in this technical data sheet may not be authorized in all countries. This product must be used strictly in accordance with its official registration, approved uses, and application rates as determined by the competent authorities in the country of use. The supplier accepts no responsibility or liability for any use of the product on crops or at application rates not explicitly approved and listed on the official label issued by the relevant Ministry of Agriculture.