



TECHNICAL DATA SHEET

Amino TE

General Information

Amino TE is obtained from the hydrolysated protein. containing amino acids, total water soluble. it contains plants Trace Elements(Fe, Cu, B, Zn,Mn) (10%) as amino acid chelated form.

Common Core Advantages

1. Dual-Channel Uptake Mechanism:

- Root absorption via Low-Affinity Transport System (LST)
- 3~5x faster foliar penetration than inorganic salts

2. Antagonism Resistance & Stability:

- Soluble at pH 3~9
- Resists precipitation by P, Fe, Al ions

3. Enhanced Physiological Activity:

- Amino acids as C/N source reduce assimilation energy cost
- Advantages

Technical Information

Physical Properties		Chemical Properties	
Color	Light Brown to Green	Total Amino acid Content	25%
Odor	Special Aromatic	Nitrogen	10%
Water Solubility	100%		
Moisture	5%	Trace Elements(Fe, Cu, B, Zn, Mn) in chelated form	10%
PH Value	3~6		

Advantages of Amino TE in Agriculture

Breakthrough Synergistic Effects



- Zn+Mn blend: 15%↑ maize drought resistance



- Salinity: Blocks Na⁺ toxicity (40%↑ cotton survival)

- Drought: Proline carrier retains water (8.5%↑ wheat TKW)

- Dosage = 30%~50% of inorganic salts

- 20%↓ soil Cd uptake



PACKING OPTIONS

Package Options: 10Kg, 20Kg bag or 600Kg bulk bag

Storage: Dry, cool, direct sun light proof, moisture proof warehouse.

Shelf life: 36 months.

Application

When blending with chemical fertilizers, utilization rate can be improved, in which the quantity used for fertilizers could be reduced.



Foliar spray: 1: 600-1000

1 part Amino TE Powder : 600~1000 parts water (Final concentration: 0.1%~0.17%)

Apply until foliage is uniformly wet without runoff (600~900 L water per ha)

Irrigation: 1: 500-600

1 part chelate concentrate : 500~600 parts irrigation water (Working concentration: 0.17%~0.20%)

Anti-clogging emitters (1.5~2.2 L/h)- 120-mesh disc filter

Fertigation Protocol:

Clear water 10min → Fertilizer ≥40min → Flushing 20min

Benefit Case

Citrus Orchard

Item	Conventional Inorganic	Amino TE
Yield ↑	Baseline	28%
Quality Premium	15% fruit crack	Brix ↑ 2°, Shelf life +7 days