

**BRANDT**<sup>®</sup>

**BRANDT<sup>®</sup> AminoPlex<sup>™</sup>**

Unique bioactivating and  
nutritional speciality

Improves the health and  
productivity of plants

**BRANDT**  
**Manni-Plex**  
TECHNOLOGY



## BRANDT AminoPlex

Unique bioactivating and nutritional speciality, with excellent-quality amino acids and a balanced ratio between free amino acids and short-chain peptides. Has a high proportion of specific amino acids: proline, hydroxyproline, glutamic acid, glycine, which are highly beneficial in the event of climatic, salinity and water stresses.



### AminoPlex is formed by two components

1 - A protein component that acts specifically on:

- **The enzyme systems**

- Improves the use of inorganic N for the formation of amino acids
- Increases the plant's response to producing endogenous hormones

- **Pseudohormonal:** Increases

- Cell multiplication
- Pollen germination
- Pollen tube elongation
- Improves fertilisation and fruit set

- **Osmotic/anti-stress**

- Boosts proline and hydroxyproline content
- Lowers the freezing point of cellular fluids, making the plant more resistant to low temperatures

- **Nutrition regulation** (improves the use of nitrogen and other macroelements).

- **Complexing action**

### 2 - BRANDT MANNI-PLEX TECHNOLOGY

Outstanding foliar absorption and phloem translocation thanks to its sugar alcohol composition.

- High complexing capacity
- Serves as an osmoprotectant against salinity and drought
- Reduces oxidative stress
- Improves the plant's metabolism and photosynthesis, resulting in improved fruit development
- Has adjuvant and surfactant properties, improving the product's absorption, adhesiveness and coverage

## Composition

Free amino acids .....9.0% w/w  
 Total nitrogen (N).....7.0% w/w  
 Organic nitrogen (N) 5% w/w  
 Organic carbon .....15.0% w/w  
 Water-soluble boron (B) .....0.5% w/w  
 Water-soluble manganese (Mn) ... 0.7% w/w  
 Water-soluble zinc (Zn) .....0.7% w/w  
 pH= 5.8      Density: 1.24 gr/ml



## Aminogram

Alanine (3.08%) + Glutamic Acid (2.97%) +  
 Glycine (5.98%) + Hydroxylysine  
 (1.24%) + Hydroxyproline (1.95%) +  
 Lysine (1%) + Ornithine (1.4%) +  
 Proline (3.7%)

## Applications and use

AminoPlex is a product that can be applied using the foliar method or fertigation

CROPS	APPLICATION TYPE	DOSE	APPLICATION TIME
Citrus fruits	Foliar	200-400 cc/hl	Apply from start of vegetative stage to pre-flowering and from fruit set to before fruit drop
	Fertigation	201-6 l/ha	Start of vegetative stage, pre-flowering, fruit set, swelling
Stone and pip fruit trees	Foliar	200-300 cc/hl	Apply from first leaves to swollen bud stage, fruit set and stone hardening
	Fertigation	201-6 l/ha	Start of vegetative stage, pre-flowering, fruit set, swelling
Horticultural	Foliar	200-300 cc/hl	Carry out 2-4 applications from the initial vegetative stages to pre-flowering and at fruit set
	Fertigation	4-8 l/ha	Transplanting
Olive groves	Foliar	200-400 cc/hl	Apply at pre-flowering (green bud), fruit set and at the end of stone hardening
	Fertigation	201-6 l/ha	Growth, fruit set and ripening
Vine and vineyards	Foliar	200-250 cc/hl	Apply from bud break to pre-flowering and from fruit set to grape formation
	Fertigation	201-6 l/ha	Cluster formation and ripening
Grains/rice	Foliar	3-5 l/ha	2-3 times on leaves 2/3-tillering, when the panicle measures 2 cm and at pre-flowering
Berries	Foliar	200-250 cc/hl	Apply after transplanting, repeat after 15 days

For further information, email [Brandt.europe@brandt.co](mailto:Brandt.europe@brandt.co) or call +1  
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