

- Specification Sheet -**NITRO-COMBI**

NITRO-COMBI is a liquid organo-chemical Nitrogen fertilizer which contains the whole range of the available forms of nitrogen used in plant nutrition. Due to its structure, **NITRO-COMBI** achieves the normal and stable assimilation of nitrogen by the plants in the critical stages of their growth. Also, it ensures the losses of nitrogen due to evaporation and leaching to be minimum. Furthermore, **NITRO-COMBI** contains zinc and manganese in a readily available to the plants form which promotes the metabolism of nitrogen in the plant cells. The high concentration of amino acids in the product increases the nitrogen uptake by the leaves and roots and also improves the ability of plants to assimilate soil's nutrients.

PROPERTIES AND USES:

- Promotes the growth of the above ground part of the plants.
- Covers fully the plant needs in nitrogen with low application rates due to the reduced losses caused by evaporation and leaching.
- Provides normal and stable growth in all crops because of the gradual release of nitrogen.
- Offers a powerful start's growth to the plants due to the sufficiently high percentage of organic nitrogen that is contained in the molecules of the amino acids.
- Enhances the productivity of the plants resulting in a significant increase of the crop yield.
- Improves the nutrient uptake of the plants through their root system.
- Promotes the metabolic processes in the plant cells and as a result plants utilize nitrogen of **NITRO-COMBI** efficiently. In this way, it ensures the maximum efficiency of the fertilizer.

APPLICATION:

NITRO-COMBI can be applied by fertigation through the irrigation/fertilization system or foliarly according to the following application rates. The application timing and the number of the applications is determined by the plant's needs and the management program of each crop.

Application Rate: Generally it is applied at the following application rate.

Foliar application: 0.5-1.5 l/200 l of water or 1.5-15 l/ha.

Soil applications: 10-35 l/ha.

STANDARD ANALYSIS

	(w/w)	(w/v)
Total Nitrogen (N)	21.97 %	26.48 %
Ammoniacal	1.50 %	1.80 %

Nitrate	1.50 %	1.80 %
Organic	1.50 %	1.80 %
Urea	17.50 %	21.09 %
Calcium (CaO)	0.05 %	0.06 %
Sulphur (S)	0.05 %	0.06 %
Zinc (Zn)	0.10 %	0.12 %
Manganese (Mn)	0.09 %	0.11 %

PHYSICAL PROPERTIES:

Appearance: Fine yellow - green fluid

Density: 1.20 g/ml

Solubility: 100% water soluble

pH: 8.3

Odor: Ammonia