

**- Specification Sheet -**

## AMINAL

**AminaL** is a liquid organic nitrogen fertilizer which derives from the thermal treatment, hydrolysis and distillation of meat meal and fish meal without the addition of chemicals. The efficiency of **AminaL** is immediate and resides in the amines which are rapidly absorbed both by the plants and the beneficial microorganisms of the rhizosphere. Since amines play a catalytic role in the various cellular processes, **AminaL** acts as a biostimulant which promotes plant growth by interfering in the replication, the multiplication and the differentiation of the plant cells.

### PROPERTIES AND USES:

- Provides organic nitrogen readily available and therefore fortifies plant growth.
- Stimulates rooting and especially the creation of lateral roots by interfering in the cellular replication and the cellular division.
- Increases the content of sugars (brix) in the fruits through the regulation of the various ion channels such as the one of Potassium.
- Contributes to the proliferation of the beneficial microorganisms of the soil and increases the microflora of the rhizosphere which leads to the improvement of the fertility of the soil.
- Accelerates plant growth since it enhances the action of microorganisms of the soil which increase the availability of nutrients.
- Reduces the stress induced by drought and competition with the weeds.
- Enhances fruit set through the attraction of insects-pollinators (bees, butterflies, larvae and beetles) which promote entomophilous pollination.
- **AminaL** is safe for the crops since it does not contain any salts and does not cause phytotoxicity.

### APPLICATIONS – APPLICATION RATES:

Generally **AminaL** is applied as follows:

*Soil application:* 10-25 l/ha.

*Foliar application:* 2.5-15 l/ha.

<b>STANDARD ANALYSIS</b>	<b>(w/w)</b>
Total Nitrogen (N)	3.0 %
Total Phosphorus (P <sub>2</sub> O <sub>5</sub> )	13.7 %
Total Potassium (K <sub>2</sub> O)	8.1 %
Calcium (CaO)	33.9 %
Magnesium (MgO)	8.15 %

**PHYSICAL PROPERTIES:**

Appearance: Yellowish fluid  
Density: 1.04 g/ml  
Solubility: 100% water soluble  
pH: 7.8