

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.

BENEFITS-PROPERTIES

- ◆ 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.

PHYSICO-CHEMICAL PROPERTIES

pH: 7.8
Conductivity: 60 ds/m
Salinity: 39.85
Specific gravity: 1.04

PRECAUTIONS

Harmful if swallowed. Avoid contact with skin and eyes. Wash thoroughly every exposed body part with plenty of water and seek medical advice for the eyes. Use always personal protective equipment (mask, protective clothing, gloves etc) during application.

Organic fertilizer and soil amendment/ access of livestock in the area is prohibited for at least 21 days after the dispersion of the product in the soil. Produced in Italy from GRENA s.r.l. (Approval number APB58UFERT2)

Liquid Organic Nitrogen Fertilizer

AminaL

*Stimulates plant growth
with the force of amines*

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SYNTHESIS

	(w/w)
Organic nitrogen (N)	3.00 %
Organic carbon (C)	10.00 %
Amines-Amino acids	20 %
2-phenethylamine	2.4 mg/lt
Spermine	3.6 mg/lt



1l 5l 12l 25l 200l 1000l
☐ ☐ ☐ ☐ ☐ ☐

Produced by



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APPLICATION

AminaL can be applied with foliar sprays and soil applications through any fertigation system. Since it does not contain salts and has a neutral pH, it has a very low phytotoxicity index and as a result it can be applied constantly in numerous applications throughout the productive life of the plant.

APPLICATION RATE-APPLICATION TIMING

Fruit trees

Foliarly: 10-15 l/ha in the new growth
Fertigation: 10-20 l/ha every 7-10 days

Citrus trees

Foliarly: 10-15 l/ha in the new growth
Fertigation: 20 l/ha every 15 days

Olive trees

Foliarly: 10-15 l/ha in the new growth
Fertigation: 20-25 l/ha every 15 days

Vineyard

Foliarly: 6-10 l/ha when 3-4 leaves per shoot emerge
Fertigation: 20 l/ha every 7 days

Kiwi

Foliarly: 6-10 l/ha when 3-4 leaves per shoot emerge
Fertigation: 20 l/ha every 15 days starting after flowering

Vegetables-Open field horticulture

Foliarly: 2.5-5 l/ha 7 days after planting, in the emergence of the first leaves, in flowering and prior to harvest
Fertigation: 5-10 l/ha every 7-10 days

Vegetables-Greenhouse horticulture

Foliarly: 2.5-5 l/ha 7 days after planting, in the emergence of the first leaves, in flowering and prior to harvest
Fertigation: 10-15 l/ha every 7-10 days

Field crops (Cereals, Corn, Cotton, Sunflower,

Soybean, Legumes, Aromatic plants etc.):

Foliarly: 2.5-5 l/ha during planting, in the emergence of the first leaves or when plants reach a 10-20 cm height, prior to flowering or tasseling and prior to harvest.
Fertigation: 10-15 l/ha every 10-15 days

NOTES

Dilution rate for foliar applications must not be higher than 1:50. Foliar applications must be conducted during the cool hours of the day.

COMPATIBILITY

It can be mixed with most fertilizers and agrochemical products. All water soluble powders must be dissolved in water before mixing with **AminaL**. Follow the instructions of the pesticide manufacturers before mixing them with **AminaL**. In any case a compatibility test is recommended before mixing in the tank.

STORAGE

Store well sealed in its original container. Keep it in normal room conditions or in a cool place. **KEEP OUT OF REACH OF CHILDREN**

SHAKE WELL BEFORE USE