

# **TECHNICAL DATA SHEET**

#### PRODUCT NAME

## WELGRO<sup>®</sup> AMINO

#### REGISTRATION NUMBER

Not proceed.

#### **GUARANTEED COMPOSITION**

Total Nitrogen (N)	8,8 % w/w
Organic Nitrogen	8,5 % w/w
Amino acids (Free form)	10,0 % w/w
pH (10 % sol.) at 20º C (Dest. Water)	6,5 %
Row material of organic origin: 54% w/w from hydrolyze	d proteins, skin bovine origin.

#### AMINOGRAM free amino-acids g/100 g of product

Aspartic acid	0,5 Glycine	4,2 Leucine	0,3 Isoleucine	0,25
Glutamic acid	0,8 Alanine	1,9 Lysine	0,25 Proline	. 1,2
Phenylalanine	0,2 Hydroxyproline	. 0,8		

#### FORMULATION

Water-soluble.

#### CHARACTERISTICS

**WELGRO® AMINO** is an organic biostimulant product, based on free amino acids and short chain peptides. It derives from natural substances of animal origin, chemically hydrolyzed. Many vital plant mechanisms are stimulated after the absorption, translocation and transformation of aa. and peptides contained in **WELGRO® AMINO**. This fact characterizes the product, as a real biostimulant, able to equilibrate the nutritional functions.

Moreover, **WELGRO® AMINO**, apart on his effects on enzyme systems, shows suitable PGR-like action: strong stimulation of pollen Germinability(by lengthening of pollen tube), rooting, flower and fruit setting induction and, also, synergistic effect with exogenous PGRs (Chlormequat, Gibberellins).

**WELGRO® AMINO**, enhances also the absorption of mineral elements by roots or the leaves (mainly potassium and magnesium), and shows a particular affinity to micro-nutrients (strong chelating action).

#### PACKAGING

Net content 1l.

### RECOMENDED APPLICATIONS AND RATES

The use of WELGRO® AMINO is recommended in any kind of crops, such as:

- Edible vegetables (tomatoes, cucurbits, lettuce, radishes, peppers, eggplants, beans, peas, cruciferae, etc.).

- Stone and top fruits (except plum trees), avocados, citrus, hazelnuts, walnuts, almonds, kiwi.



# **TECHNICAL DATA SHEET**

- Olive trees, vine and table grapes, pistachio, coffee, tea, date palm.
- Berries and strawberries, onions, potatoes, sugar beet.
- Winter cereals, rice, maize, soy beans, sunflower, rape, alfalfa, forage grasses.
- Cotton and ornamentals (roses, carnations, bulbs, pot plants, etc.).

Can be applied through the leaves (foliar spray) or fertirrigation / hydroponics systems, where a continuous flow of the product can be assured.

#### General dose rates (per treatment):

- Foliar spray: 200-300 ml/per 100 l of water.

- Fertirrigation : 2-3 l/ha

Use, lower range doses in light sandy soils or light symptoms, and higher range doses in heavy soils (clay) or severe symptoms.

In case of depressed plants, because of stress damage, increase rates up to 400-500 ml/100 l or 4-5 l/ha.

Best results are obtained when applications are made during critical growing phases, such as: Sprouting, pre-blossom, fruit setting, ripening; and during or after stress disorders, as mentioned before.

## STABILITY AND MIXTURES

**WELGRO® AMINO** can be mixed without restrictions with any agrochemical or fertilizer of WELGRO® products range. Nevertheless, the following measures should be taken:

- Do not mix with copper compounds or mineral oils.

- In tank mix with deficiency correctors or sulphur (foliar spray), do not exceed 200 ml/100 l of water.

- Special attention must be taken when mixing with cooper compounds systemic pesticides, to avoid phytotoxicity.

- Do not apply in plum trees.

#### STORE CONDITIONS

Keep the product closed in its original packaging and in a dry place at room temperature (below 25°C).

# The information contained herein don't exempt from reading the corresponding label and the safety data sheet.