



# F-Gran

GRANULAR NPK WITH MAGNESIUM AND TRACE ELEMENTS, SLOW RELEASE.  
"E.C. FERTILIZERS".

## F-GRAN BLUE

for crops with Magnesium demands.

12-12-17+2MgO+T.E.

## F-GRAN NOVUM

for crops with Magnesium demands.

12-12-12+3MgO+T.E.

7-10-20+3MgO+T.E.

for potato.

21-7-7+2MgO+T.E.

for tobacco, tomato, potato, asparagus, fruit trees  
& for crops with Potassium demands.

## F-GRAN DEKA

for crops with Magnesium demands.

10-10-10+10MgO+T.E.

## F-GRAN FERUM

for soils with Iron deficiencies, for crops with requirements in Iron.

12-12-12+2MgO+2Fe+T.E.

21-7-7+2MgO+2Fe+T.E.

for premature trees, kiwi, peach, apricot, etc. Fruit trees.

25-5-5+2MgO+2Fe+T.E.

for kiwi, peach.

## F-GRAN ZINC

for soils with Zinc deficiencies & for crops with Zinc demands.

12-12-12+2MgO+2Zn+T.E.

25-5-5+2MgO+2Zn+T.E.

for corn, citrus, peach, etc. Fruit trees.

20-10-5+2MgO+2Zn+T.E.

for rice, corn.

20-10-10+2MgO+2Zn+T.E.

for rice, corn, citrus.

20-5-15+2MgO+2Zn+T.E.

for rice, corn, beets, vine vegetable gardens, citrus.  
& for soils with Potassium demands.

20-5-9+2MgO+2Zn+T.E.

for rice, corn.

## F-GRAN BORO

for crops with requirements in Boron - olives, beets, apples, etc. -  
for soils with boron deficiencies.

12-12-12+2MgO+2B+T.E.

21-7-7+2MgO+2B+T.E.

beets, olives, apples, sunflower etc. Fruit trees

Trace Elements (T.E.): Boron(B), Cobalt(Co), Copper(Cu), Iron(Fe), Manganese(Mn), Molybdenum(Mo), Zinc(Zn).

**They offer the plants the nutrients they need in the ideal quantity, proportion and form in order to be available to the plant when needed, at the proper period.**

## IDENTIFICATION OF F-GRAN

**Inorganic Complex Granular Slow Release fertilizers NPK with Magnesium, Sulfur, Calcium** as main elements in completely assimilable form, and enriched with all the nutritious **and Trace Elements** according to the EUROPEAN REGULATIONS (B, Co, cu, Fe, Mn, Mo, Zn) for the proper nutrition of all plants. The form of macroelements and trace elements in **F-GRAN** fertilizers is the proper one in order to be available to plants when needed at the proper time period. Some types of **F-GRAN** are **further enriched** with nutrients like **Iron or Zinc or Boron** in such quantity and proportion among them, so that the plant's nutrition is balanced and complete.

### Specifically:

- N NITROGEN** contained is in **3 forms: NITRIC, AMMONIAC and AMIDIC - ORGANIC.** **F-GRAN** are the only high technology compound fertilizers, which contain NITROGEN in organic form. **This gives these fertilizers an important advantage against their competition.**
- P PHOSPHORUS (P<sub>2</sub>O<sub>5</sub>)** is completely soluble in water and easily absorbed by plants.
- K POTASSIUM (K<sub>2</sub>O)** is in POTASSIUM SULPHATE form and it is extremely absorbed by plants.
- Mg MAGNESIUM** exist in **2 forms:** in oxide **MgO** form and in **Hydroxide of Magnesium** form **Mg<sub>4</sub>(CO<sub>3</sub>)<sub>3</sub>(OH)<sub>2</sub>·3H<sub>2</sub>O.** **This is the second exclusive Technological Advantage of F-GRAN fertilizers.**
- Ca CALCIUM** exist in oxide form (**CaO**).
- S SULPHUR** is in **SO<sub>3</sub>** form.

## APPLICATION – DOSAGE

**F-GRAN** fertilizers are suitable for all crops, during all seasons and all growing stages of the crops, provided that there is the necessary soil moisture or watering ability.

### SPECIFICALLY

For **multiannual Cultivations**, for best results it is recommended to apply half dosage at the end of Winter, before the vegetation starts, and the other half in the middle of Spring during the fruitification.

For **Annual Cultivations** it is recommended to apply half dosage during seeding or transplantation, and the other half, during blooming and fructification. Also, it is recommended depending to certain conditions and because of the specific chemical synthesis of F-GRAN, after the embodiment to thoroughly rinse plants leaves in order to dissolve all the fertilizing units.

### MULTIANNUAL CULTIVATIONS

	DOSAGE F-GRAN
ASPARAGUS	60-100 kg/1.000m <sup>2</sup>
STRAWBERRY	80-120 kg/1.000m <sup>2</sup>
TRIFOLIUM (ALFALFA) / MEDIC	40-60 kg/1.000m <sup>2</sup>

### ANNUAL CULTIVATIONS

	DOSAGE F-GRAN
TOMATO	60-100 kg/1.000m <sup>2</sup>
POTATO	60-80 kg/1.000m <sup>2</sup>
BEANS - SOYA - VETCH	40-60 kg/1.000m <sup>2</sup>
CUCUMBER - WATERMELON - MELON - MARROW	60-80 kg/1.000m <sup>2</sup>
OTHER VEGETABLES	60-80 kg/1.000m <sup>2</sup>
COTTON - SUNPLANT	30-50 kg/1.000m <sup>2</sup>
MAIZE	40-50 kg/1.000m <sup>2</sup>
RICE PLANT	40-50 kg/1.000m <sup>2</sup>
TOBACCO PLANT	20-40 kg/1.000m <sup>2</sup>
SUGAR BEET	50-70 kg/1.000m <sup>2</sup>
FLOWER PLANTS	60-80 kg/1.000m <sup>2</sup>

### TREE CULTIVATIONS

	DOSAGE F-GRAN
CITRUS	2-4 kg/tree
APPLE TREES / PEAR TREES	3-5 kg/tree
PEACH TREES / APRICOT TREES / CHERRY TREES	2-4 kg/tree
OLIVE TREES	3-5 kg/tree
WINEVINES	100-150 gr/vine
TABLEGRAPES	200-250 gr/vine
RAISIN (GRAPES)	100-150 gr/vine
SEEDLESS GRAPES (SULTANINA)	2-4 kg/plant
KIWI	30-50 kg/1.000m <sup>2</sup>
SEED-BEDS OF TREES OR VINES	30-50 kg/1.000m <sup>2</sup>
OTHER TREES	2-4 kg/tree
ROSES AND BEAUTIFYING BUSHES	150-200 gr/plant

