

F-TOP ORMON

ORGANO-INORGANIC FERTILIZERS WITH HUMIC COMPOUNDS AND INORGANIC NUTRIENTS IN SOLID FORM. CERTIFIED, E.C. REGISTERED

F-TOP ORMON BASIS

F-TOP ORMON 20

F-TOP ORMON 30

F.T.O. CALCI-MAGNE

F-TOP ORMON SPECIAL

F.T.O. FERUM

F.T.O. ZINCO

F.T.O. MAN

- ✓ **Regulate and stabilize soilpH** to desired levels. **Dissolve the salts** that accumulate in soil.
- ✓ **Enriches with organic substance (HUMUS) and TRACE ELEMENTS** attenuated fields, to increase fertility.
- ✓ **Activates useful microorganisms**, that help the assimilation of mineral fertilizers.

IDENTITY OF F-TOP ORMON

The organic-inorganic fertilizers **F.T.O.** are products of high Agricultural Technology. They are the only ones in Europe that are produced using the method of Integrated Dual Fermentation-Humification of organic substance, an American technology, with the highest percentage of valuable Humic compounds. Certified, E.C. Registered.

They replace any organic fertilizer on the market, manure, droppings, seaweed and any soil improvers, zeolite, plaster, sulfur, dolomite. Free from salts, hormones, antibiotics.

In solid form (0-4mm).

F-TOP ORMON BASIS: Organic, Humic compounds with inorganic elements (N-P-K).

F-TOP ORMON SPECIAL: Organic, Humic compounds with inorganic elements (N-P-K) & one nutrient element from the secondary or Trace Elements (Mg, Ca, Fe, Zn, B, Co, Cu, Mn, Mo) depending on the crop needs.



HUMIC COMPOUND OF F-TOP ORMON

The **organic matter** that is used for the production of **F.T.O.** is **mineral LEONARDITE** (the richest raw material in organic matter on the planet), **perfectly safe for the environment and eco-friendly**.

The method procedure is as follows:

- a. Mine and grind the LEONARDITE.
- b. Mix it with the ENZYMES SET. The mixture is deposited in protected tombs to achieve anaerobic fermentation. It is then transferred to beds with special rotating stirrers to enrich it with oxygen and microorganisms to achieve aerobic fermentation.
- c. HUMIFICATION is completed within 90-120 days and at its completion are added humic compounds rich in humic acids, which form the basis of F.T.O production.
- d. The above humic pulp is enriched with main elements and trace elements. We add the amount of the elements that won't risk the biological balance of the product. At the last stage, the procedure for the mechanical composition takes place, thus we produce the following products:

The product is enriched with inorganic macroelements and trace elements in a degree that allows biological balance and is then subjected to the mechanical composition process giving two forms of solid organic fertilizer:

1. Granulometry 1-4mm.
2. Granulometry 4-6mm

The farmer selects the form according to the distribution or dispersal capability that conditions and the means he uses allows.

According to **independent international research** from Research Institutes and Higher Education Institutions, **the humic compounds that derive from the above certified production method** act in a specific way on the soil and plant:

- 1. Increase the availability of all mineral macronutrients and trace elements in the soil.**
- 2. Dissolve insoluble salts of the soil** - and those from the continuous fertilization with mineral fertilizers- providing them back to the plant in assimilable form.
- 3. Improve fruit quality** (taste, color, nutritional value, size).
- 4. Achieve increased crop production.**
- 5. Stimulate the growth of plants sprouts**, and promote the growth of their roots, accelerating the germination of seeds (rooting) and ensuring the **successful transplantation**.
- 6. They constitute feeding material** for beneficial microorganisms and energy for plant vital processes (digestion, perspiration, denitrification, nitrification).
- 7. Adsorb toxic organic compounds and heavy metals** from the atmosphere, helping to protect the natural environment and plant from toxic substances produced by microorganisms.
- 8. They create agglomerates providing excellent structure, aeration and water capacity in the ground.**
- 9. Regulate soil pH.**

F.T.O. ARE CATEGORIZED BY THE EUROPEAN COMMUNITY IN

“NEW TECHNOLOGY FERTILIZERS”.

THEY CIRCULATE ON THE MARKET WITH CERTIFIED COMPOSITION, IDENTIFICATION, ACTION, REGISTRATION.

SOIL ANALYSIS THAT MAYBE REQUIRED FOR SELECTING THE SUITABLE TYPE OF FERTILIZER ARE FREE OF CHARGE.

F-TOP ORMON BASIS

F-TOP ORMON 20

F-TOP ORMON 30

IDENTIFICATION

F-TOP ORMON BASIS are American Technology **COMPLETE DENSE ORGANIC-CHEMICAL FERTILIZERS**. These products supply the plant **with all the necessary compounds and nutrients** that they are not contained in chemical fertilizers. Compared with common manure, **they contain 40-50 times more HUMIC COMPOUNDS**. **F-TOP ORMON 20 and 30 contain further inorganic macronutrients** (Nitrogen, Phosphorus, Potassium).

Beside **NITROGEN, PHOSPHORUS** and **POTASSIUM** they also contain, **MAGNESIUM, IRON** and **CALCIUM** - elements that are not contained in common chemical fertilizers, as well as **TRACE ELEMENTS** which are basic for plant nutrition. Moreover, they **contain VITAMINS - GROWTH FACTORS- AMINOACIDS- FOULVIC ACID- PLANT HORMONES-** Beneficial Microorganisms.

Beyond the fact that **F.T.O. BASIS** supply the plant with all the above nutrients, these products help also the assimilation of chemical fertilizers by the plant. **Dissolve the salts** that the continual use of chemical fertilizers creates. **Dissolve the Clay, release micronutrients and create the ideal structure for the soil and the growth of the root system.**

By using **F.T.O. BASIS** we also succeed the following:

- ✓ **Increase the volume of the soil pores (better soil aeration).**
- ✓ **The water capacity of the soil can be significantly improved.**
- ✓ **Higher soil temperature (better resistance against frost).**
- ✓ **Regulation of soil pH.**
- ✓ **Deplete any nutrient deficiency.**
- ✓ **Earliness, production augmentation, better fruit quality, taste, color, nutrition value, merchandise presentation.**

F-TOP ORMON SPECIAL

F-TOP ORMON FERUM

F-TOP ORMON ZINCO

F-TOP ORMON MAN

F-TOP ORMON CALCI-MAGNE

IDENTIFICATION

F.T.O. SPECIAL have the basic properties, qualifications and chemical structure of the basic type, **F-TOP ORMON 30** and every different type is **enriched each time with one more secondary element**, such as **IRON 5%**, or **ZINC 2%**, or **MANGANESE 2%**, or **CALCIUM 10%**, or **MAGNESIUM 7%**. By this way, the farmer has the opportunity to apply a special product for the deficient soil improvement. Soils that suffer from the deficiency of the above elements or because some cultivations have a special preference on one of these elements.

F-TOP ORMON FERUM: *For soils **that suffer from the lack of Iron (Fe)** and against the diseases this deficiency usually causes on tree cultivations. Apply on trees, tomato, kiwi fruit, vineyards, etc.*

F-TOP ORMON ZINCO: *For soils that **suffer from the lack of Zinc (Zn)** (organic soils) and against the diseases this deficiency causes. Apply on citrus fruits, corn, rice, e.t.c.*

F-TOP ORMON MAN: *For soils that **suffer from the lack of Manganese (Mn)** and against the diseases this deficiency causes. Apply on carrots, garlic, strawberry, e.t.c.*

F-TOP ORMON CALCI-MAGNE: *For soils that **suffer from the lack of Calcium (Ca)** or/and **MAGNESIUM (Mg)**, soils with low pH value (acidic soils), and against **diseases Calcium-Magnesium deficiency** causes. Apply on tomato, cucumber, pepper, egg plant, watermelon, apple trees, grapes, e.t.c.*

APPLICATION

Apply on soil along with the winter granular fertilization - for **perennial plants** (trees and grapes) during **7-** winter. For the **annual cultivations** - apply on soil the last **15 days** before sowing and planting. It is better if we are able to integrate them in the soil (mix them).

DOSAGE

Citrus Fruit trees: (olive trees, apple trees, pear trees, almond trees, apricot trees, hazel-nut trees, kiwi fruit vine, citrus fruits), 1-4 kg/tree, depend on the age. • **grapes:** 40-80 kg /1000m². • **tobacco and cotton:** 40-60 kg /1000m². • **vegetables:** 40-80 kg /1000m². • **corn, sugar beets, and sun flowers:** 40-80 kg /1000m². • **strawberries and clover:** 40-60 kg /1000m². • **potatoes and tomatoes:** 40-80 kg /1000m². • **Glass House plants:** 40-120 kg /1000m². • **asparagus:** 80-120 kg /1000m².

The above recommended doses are indicative. They can be altered depending on the soil characteristics, local climate, cultivation stage and other factors. Fertilization program should be completed with the addition of chemical fertilizers depending on each case.

TYPICAL CHEMICAL ANALYSIS F-TOP ORMON

F-TOP ORMON BASIS

F-TOP ORMON 20 (MINIMUM % ON THE DRY SUBSTANCE)

TOTAL NITROGEN (N) 4%, PHOSPHORUS (P₂O₅) 2%, POTASSIUM (K₂O) 2%, MAGNESIUM (MgO) 2%, CALCIUM (CaO) 2,8%, FERUM (Fe) 0,2%, TRACE ELEMENTS (B, Co, Cu, Fe, Mn, Mo, Zn) 0,63%, Biological Catalysts - Activators, ORGANIC MATTER: 44% (Source: Humus-make Leonardite (in the form of Humus), TOXIC COMPOUNDS - HEAVY METALS: ARE NOT CONTAINED

F-TOP ORMON 30 (MINIMUM % ON THE DRY SUBSTANCE)

TOTAL NITROGEN (N) 7%, PHOSPHORUS (P₂O₅) 2%, POTASSIUM (K₂O) 2%, MAGNESIUM (MgO) 2%, CALCIUM (CaO) 2,8%, TRACE ELEMENTS (B, Co, Cu, Fe, Mn, Mo, Zn) 0,63%, Biological Catalysts - Activators, ORGANIC MATTER: 41% (Source: Humus-make Leonardite (in the form of Humus), TOXIC COMPOUNDS - HEAVY METALS: ARE NOT CONTAINED

F-TOP ORMON SPECIAL

F-TOP ORMON FERUM

Organic Humic Compounds 21%, TOTAL NITROGEN (N) 4%, POTASSIUM (P₂O₅) 2%, POTASSIUM (K₂O) 2%, MAGNESIUM (MgO) 2%, FERUM (Fe) 5%, TRACE ELEMENTS (B, Co, Cu, Fe, Mn, Mo, Zn) 0,63%, Biological Catalysts – Activators.

F-TOP ORMON ZINCO

Organic Humic Compounds 43%, TOTAL NITROGEN (N) 4%, POTASSIUM (P₂O₅) 2%, POTASSIUM (K₂O) 2%, MAGNESIUM (MgO) 2%, CALCIUM (CaO) 2,8%, ZINC (Zn) 2%, TRACE ELEMENTS (B, Co, Cu, Fe, Mn, Mo, Zn) 0,63%, Biological Catalysts – Activators.

F-TOP ORMON MAN

Organic Humic Compounds 24%, TOTAL NITROGEN (N) 4%, POTASSIUM (P₂O₅) 2%, POTASSIUM (K₂O) 2%, MAGNESIUM (MgO) 2%, CALCIUM (CaO) 2,8%, MANGANESE (Mn) 2%, TRACE ELEMENTS (B, Co, Cu, Fe, Mn, Mo, Zn) 0,63%, Biological Catalysts – Activators.

F-TOP ORMON CALCI-MAGNE

Organic Humic Compounds 30%, TOTAL NITROGEN (N) 4%, POTASSIUM (P₂O₅) 2%, POTASSIUM (K₂O) 2%, MAGNESIUM (MgO) 7%, CALCIUM (CaO) 10%, TRACE ELEMENTS (B, Co, Cu, Fe, Mn, Mo, Zn) 0,63%, Biological Catalysts – Activators.