



VIGORHUMUS COMPLEX (8-8-8)

PRODUCT SUITABLE FOR ECOLOGIC AGRICULTURE UNDER REGULATION (CE) Nº 834/2007

Organic-mineral fertilisers give the crops all the nutrients they need for their optimal vegetative growth. The main macronutrients (nitrogen, phosphorus and potassium), some secondary ones and plenty of micronutrients are part of the VIGORHUMUS COMPLEX, making it ideal to improve the soils' structure and increase its organic matter content.

VIGORHUMUS COMPLEX is an organic mineral fertiliser NPK with an equilibrated richness in primary micronutrients. The content in organic matter improves the soil fertility, improving also its chemical and physical structure.

VIGORHUMUS COMPLEX is inscribed in the Fertilisers Register according to the Royal Decree 506/2013, with number F0003063/2027. The product is suitable for ecologic agriculture in agreement with Regulation (CE) nº 834/2007 with license form the Organism of Control and Certification Sohiscert. Number of Certificate: CT71PAE-11.

Composition

VIGORHUMUS COMPLEX's high organic matter content (45%) improves the soil structure by increasing its porosity, aeration and water circulation in clay soils and stabilizing the structure in sandy soils. It should be pointed out its high total humic extract (around 19% s.m.s.), out of which 7,45% belong to humic acids, which enhance the soils' chemical structure of the soil and its Cation-Exchange Capacity (CEC).

The C/N relation has a value (12.0) that indicates a stable mineralization of the organic matter of the soil.

PARAMETER	UNIT	VALUE
ORGANIC MATTER	% s.m.s.	42,0 – 49,0
TOTAL HUMIC FRACTION	% s.m.s.	18,0 – 20,0
HUMIC ACIDS	% s.m.s.	8,0 – 9,0
FLUVIC ACIDS	% s.m.s.	10,0 – 11,0
C/N RELATION	-	6-8

All these characteristics make **VIGORHUMUS COMPLEX** the ideal product to ensure soil fertility and the best quality and efficiency in the cultivations.

VIGORHUMUS COMPLEX is a physically and chemically stable product with a suitable sanitary quality for its use as an organic-mineral fertiliser. It is produced from enriched compost and organic fertilisers.

The production process, as well as the final product, is under our strict quality controls in order to achieve both the clients' satisfaction and a deep environmental respect in all our activities.

VIGORHUMUS COMPLEX is a continuous source of nutrients for the plant, as the nitrogen is slowly released, avoiding each loss. The high levels of humic extract of the organic matter and the soil's pH (tends to be basic due to the clay nature of the soils) contribute favourably to the phosphorus availability in the soil-plant complex, and they also increase the CEC.

PARAMETER	s.m.s.	s.m.f.
HUMIDITY (%)	-	10 – 20
pH	6,9 – 7,8	6,9 – 7,8
Total NITROGEN (N) (%)	8,8 – 9,6	8,0
ORGANIC NITROGEN (N) (%)	8,0 – 9,4	7,3
PHOSPHORUS PENTOXIDE (P ₂ O ₅) soluble with water and neutral ammoniac citrate (%)	8,8 – 9,6	8,0
POTASSIUM OXIDE (K ₂ O) soluble with water (%)	8,8 -9,6	8,0
Total MAGNESIUM (Mg) (%)	0,5 – 0,6	0,5
Total CALCIUM (Ca) (%)	6,6 – 7,2	6,0
Total IRON (Fe) (%)	0,4 – 0,5	0,4
HEAVY METALS (Type)	A	A
Salmonella (presence in 25g)	Absence	Absence
E. Coli (NMP/g)	< 3	< 3
GRANULOMETRY (90% of the product)	< 10 mm	< 10 mm

Characteristics

The use of **VIGORHUMUS COMPLEX** contributes to a high nutrient richness in the cultivation during the first growth phases, and its equilibrated composition allows an ideal development, as the nutrient contribution is balanced and the risk of phytotoxic poisoning is reduced to nearly null.



VIGORHUMUX COMPLEX is recommended for maintenance periods and the initial phase of the vegetative stage, especially for horticultural cultivations, where it should be applied during the beginning of spring or autumn.

Thanks to its high organic matter content, the nutrients are easily fixed on the soil-plant complex, making them available to the crops. The washing and watering losses are extremely reduced thanks to the nutrient fixation, making VIGORHUMUS COMPLEX a more suitable product for the environment.

The product's granulometry is very small, without being dust, which makes its distribution and assimilation easy and fast.

Format, application and doses

VIGORHUMUS COMPLEX is sold in bulk, big-bag or 25Kg sacks on english pallet (100x120cm).

VIGORHUMUS COMPLEX is a generic, nutrient rich organic-mineral fertilizer. It's recommended for intensive agriculture (especially horticulture and annual-cycle plants), extensive agriculture, grass, cereals, ornamental plants (gardens and nurseries), urban gardening, forest plantation and landscape restoration.

It is recommended to apply VIGORHUMUS COMPLEX during the initial phase of the vegetative growth, as a cover or as a base fertilizer. Its use as a base fertilizer allows the localized use and the distribution of the fertilizer over the surface to improve its effect.

The recommended doses can be found on the table below.

CROP	Dose (*)
Fruit trees, citrics, tropical plants	1,6 - 2,0 TM/Ha
Olive and grape farming	500 kg/Ha
Horticulture and flowering	1,6 - 2,4 TM/Ha
Gardening and nurseries	40 kg/100 m ²
Grass	20 kg/100 m ²

(*) The doses are calculated for a 20cm deep application. For deeper applications the dose must be increased proportionally.

Prevent access to land fertilized with this product to farm animals for at least 21 days after application.

Our technical department will assess you with the best dosage for your crop, as well as to design a fertilization plan.

