



ENERVIT VEGETAL

In agronomy, an organic amendment is a vegetal or animal origins material that applied to the soil produces an intense rising of the organic percentage on the horizontal layer.

The availability of organic matter in a soil brings improves its physical and chemical properties, the nutrition of the plant being rewarded by it. This is the reason such mixtures are widely used, and necessary to maintain the production quality and capacity of the soil.

Traditionally both manure and vegetal rests have been used as the main source of organic matter. However, not all materials have the same effect on the farming. Fresh manure or other non-stabilized products may easily degrade, causing a lack of nitrogen and the release of intoxicating elements and substances. Due to the microorganisms' action, the oxygen concentration will decrease while the carbon dioxide increases, and other effects such as the decrease of the apparent density may also appear. All these negative effects call for the need of stabilizing the organic matter through composting.

Taking into account all possible factors, **BURÉS PROFESIONAL, S.A.** has designed a new improved formula, **ENERVIT VEGETAL**, that answers the needs of the farming, giving the best of all organic mixtures.

ENERVIT VEGETAL is rich in both organic matter and fertilizer, and its use is recommended in agriculture, fruit farming, landscape design and large green areas. Our product represents a cheap, high quality alternative to the existing organic mixtures.

composition

Our product has been designed with a large vegetal proportion, enriched with organic stabilized material, which contains large nitrogen quantities, as well as microorganisms. It also includes coffee rests for their high moistening efficiency. Its 30-36% content of organic matter improves the soil structure and water retention capacity, as well as its cation exchange capacity, an essential property in the dynamics of the soil-plant nutrients exchange.

It is noteworthy the high humic fraction of **ENERVIT VEGETAL** (around 13%), out of which 8% belong to humic acids. The exact properties of this amendments' composition are shown in the table below.

PARAMETER	UNIT	VALUE
ORGANIC MATTER	% s.m.s.	30-36
TOTAL HUMIC EXTRACT	mS/cm	8
HUMIC ACIDS	%	5.7
FULVIC ACIDS	%	2.3
C/N RELATION	%	10

The value of the carbon/nitrogen relation shows that the product contains a large amount of well-moisturized organic matter.

Moreover, the vegetal origin of this organic mater provides stability, maintaining its properties for longer.

All these reasons mean that **ENERVIT VEGETAL** accomplishes all the strict demands of the fertilizers registry, and is classified as a **humic organic amendment**.



On the other hand, this material has an intense and balanced nutrients richness (nitrogen, phosphor and potassium). Its use supplies the fertilization needed by the soil, so the economical cost of a mineral fertilizer is eliminated.

The specific properties of this amendment are shown in the table below.

PARAMETER	UNIT	VALUE
HUMIDITY	% m/m	30
EC	dS/m	1.4
pH	-	7.4-8
TOTAL NITROGEN	% s.m.s.	2.05
ORGANIC NITROGEN	% s.m.s	1.69
AMONIACAL NITROGEN	% s.m.s	0.36
ASSIMILABLE PHOSPHOR	% P ₂ O ₅	1.05
ASSIMILABLE POTASSIUM	% K ₂ O	0.86
SOLUBLE MAGNESIUM	% MgO	0.78
HEAVY METALS	% s.m.s	B TYPE
SALMONELLA	-	NONE
E. COLI	NMP/g	9
GRANULOMETRY	-	<10 mm (90% of the particles)

properties

ENERVIT VEGETAL is a physically and chemically stable product, with an optimal and checked health quality. Its production uses vegetal and organic materials, which are aerobically composted for three months.

Through the process the material is cleansed via a forced aeration system in which temperatures higher than 70 degrees are reached, which causes the elimination of adventitious seeds, pathological organisms and smells.

The whole production process, as well as the final product, undergo strict quality controls certified by the **Normas ISO-9001 and 14001**, with the aim of guaranteeing both the clients' satisfaction and a deep respect for the environment in all our activities.

applications and doses

ENERVIT VEGETAL is used as an organic soil amendment. It must be applied by mixing it with the soil where the farming will take place. The doses is of 40-100Kg of ENERVIT VGETAL per 100m² of farming area. The product should go up to a depth of about 7cm. After its application farming can start immediately.

The recommended doses for the different types of crops are detailed in the table below.

CROP	ENERVIT dose, T m/ha*		
	Organic matter in soil		
	POOR	NORMAL	RICH
Extensive agriculture	6	5	4
Fruit farming and forests	6	5	4
Lawn and grass	10	8	4
Revegetation	10	8	5
Landscape designing or restoring	10	8	5
Horticulture and flower farming	10	8	5

* Dose calculated for 7cm dept dose. For deeper applications, the dose must be increased proportionally.

Our Technical Department will help you with the calculation of the real need of organic matter of your farming, as well as with the designing of an enrichment program.

ENERVIT VEGETAL has a fine granulometry without being dust, which facilitates its application and preserves the necessary conditions for the development of microorganisms, which are the reason of soil fertility.



recommended uses

- Close to communication lines slopes' revegetation. Recovering of bad quality soils.
- Extensive agriculture, such as cereals. It's a quality alternative to the traditional amendments.
- Forest, fruit and ornamental flowers farming: an application before or during the farming is recommended for long duration cultivations.
- Restoring degraded spaces: this product is ideal to recover industrial degraded lands.
- Agriculture, flower farming and other intensive exploitations that require an annual organic matter amendment.
- Soil decontamination

ENERVIT VEGETAL is registered in the **Registro de Fertilizantes** according to the **Real Decreto 8/2005**, with number **F0000445/2017**