



MIXED COMPOSTED SOIL IMPROVER

allowed
in organic
agriculture

ACM



The mixed composted soil improver  **econat**[®] is a verified quality compost and its use is allowed in organic agriculture. It's obtained from cuttings and prunings, vegetable scraps and scraps from the agri-food industry.

The composted soil improver originates in the natural decomposition of the organic matter which is transformed through a bio-oxidation process.



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PHYSICAL AND CHEMICAL PROPERTIES

Parameter	Mean Value
Moisture (%)	25 ÷ 35
pH	7 ÷ 8
Total organic carbon (% d.m.)	22 ÷ 34
Humic and fulvic carbon (% d.m.)	7,3 ÷ 9,8
Total nitrogen (% N d.m.)	2 ÷ 2,4
Organic nitrogen (% N d.m.)	1,8 ÷ 2,4
Organic nitrogen (% d.m. N/N tot)	90 ÷ 100
C/N ratio	12 ÷ 16
Salinity (meq/100g d.m.)	23 ÷ 61
Phosphorus (% d.m. P ₂ O ₅)	0,7 ÷ 1,4
Potassium (% d.m. K ₂ O)	0,8 ÷ 1,6



Production process

Composting begins with the mixing of the matrices which are placed in flooring and turned over periodically. The turning spontaneously triggers the aerobic fermentation in which any pathogens are inactivated by the controlled temperatures generated by the process itself. At the end of the thermophilic phase, the curing phase begins and the product is stored for about 60 days in heaps to end the natural stabilisation and humification process of the organic matter.

The compost is sifted to obtain a finer and more homogeneous product. The final product has the consistency of soil and the smell of the undergrowth soil typical of composted products. The mixed composted soil improver **econat**® is obtained by enhancing the input biodegradable scraps and transforming it into an eco-sustainable product for modern agriculture which has an increasing tendency to reduce the use of synthetic fertilisers.

How to use it

The mixed composted soil improver **econat**® besides providing nutrients and organic matter, it contributes to the improving of the soil structure, increases the water retention capacity and improves the microbiological processes of the soil. The uses are many both in the **agricultural field** (from basic fertilisation for arboreal and herbaceous crops in the open field to localised fertilisation on the rows of orchards and vineyards), and for **hobby use** (ideal for the

development of horticultural and ornamental plants). **econat**® is also ideal for the recovery of soil used in potted plants. In this case it can be mixed at 30% with the soil which needs to be renewed. The mixed composted soil improver **econat**® for agricultural use is supplied in pellets in 500 Kg big bags and 25 Kg bags. For hobby and gardening reasons it's sold in 20 litre bags.

Recommended dose:

Parameter	Doses	Unit
Vineyard:	1 - 2	t/ha
Orchard:	6 - 8	t/ha
Garden:	0,2 - 0,5	Kg/m ²
Lawn:	0,2	Kg/m ²

The doses reported above refer to the product in pellets.



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ACM **econat**® has obtained the C.I.C. Quality Compost Premium Brand



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