



## **Composting of vine shoot with other agricultural by-products**

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Compost obtained from the mixture of vine shoot with other agricultural by-products (grape marc, alperujo, sheet mixture and cow mixture) can provide a useful product for agriculture. To perform such mixtures, were studied previously, the by-products used, analysing its physical, chemical and biological characteristics.

The main objective of this study was to use these by-products so that, once mixed and properly composted, could provide organic soil amendment. The product obtained, once analysed, presented optimum physical, chemical and biological properties for use as organic amendment of soil, adding to the soil a high content in organic matter and main nutrients and micronutrients.

Biological analyses indicated the absence of pathogenic microorganisms and analysis by X-Ray fluorescence showed the presence of heavy metal and toxic chemical at levels well below the thresholds of toxicity.