We make the most of the energy of a by-product from the Olive oil mill: the olive stone. The idea of the use of by-products is fully appreciated at the Olivarera Los Pedroches SCA. Not only do we use the compost from the alpeorujo (waste by-product from the olive oil extraction), but we make the most of the heat value from the olive stone. Indeed, during the industrial process we separate the stone of the olive from the alpeorujo before is sent for composting. We contribute to the composting process because the olive stone is more difficult to ferment because it has high contents in lignin. But we also use its main value, its heat capacity. The olive stone has a heat capacity of 4700 Kcal/Kg. And its ash residues are less than 1,5%. This means that 2 kilos of olive stone is equivalent to 1 liter of diesel oil for combustion. From a point of view of the energy use, the biomass is characterised to have a low content in carbon and a high level in oxygen and volatile compounds because it is a natural product. These volatile compounds have carbon dioxide, carbon monoxide and hydrogen that concentrate a large part of the calorific value of the biomass. This characteristic, together with the low content of sulphur, makes a very attractive product to take advantage of its energy, because it produces combustion gases that are low in sulphur compounds, these ones are the cause of the acid rain.

Organic Extra Virgin Olive Oil - Olivarera Los Pedroches - We don?t only produce Organic Extra Virgin Olive Oil
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