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COMPOST CHARACTERIZATION AND THE AFFECT OF COMPOST PRODUCT IN DEFERENT CULTIVATION

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ABSTRACT

This paper deals with the characterization of different compost materials and how these materials affect different cultivation. The composted materials which were examined were produced from olive oil solid residue, sewage sludge with zeolite, organic fraction of municipal solid waste. Also, a commercial product was examined. These products were applied to different cultivation such as lettuce, wheat, barley and lentil. The final result indicates that all the cultivation is stillborn in satisfactory levels, as the compost which is produced from oil olive solid residue is presented to have Germination Index 350. Also, the final result indicates that the Germination index for all the cultivation for the sewage sludge compost was between 95-140. The compost, which is produced from the organic fraction of municipal solid waste, presents Germination Index for lettuce and lentil 55 and 70 respectively which is incited a slightly phytotoxicity, while for the wheat and barley, as they are more toughly, are increased in satisfactory levels. Finally, the commercial product presented to have Germination Index 150 and the cultivation's growing is not satisfactory.