

COMPOST FOR FERTILE SOILS AND HIGH QUALITY VEGETABLES

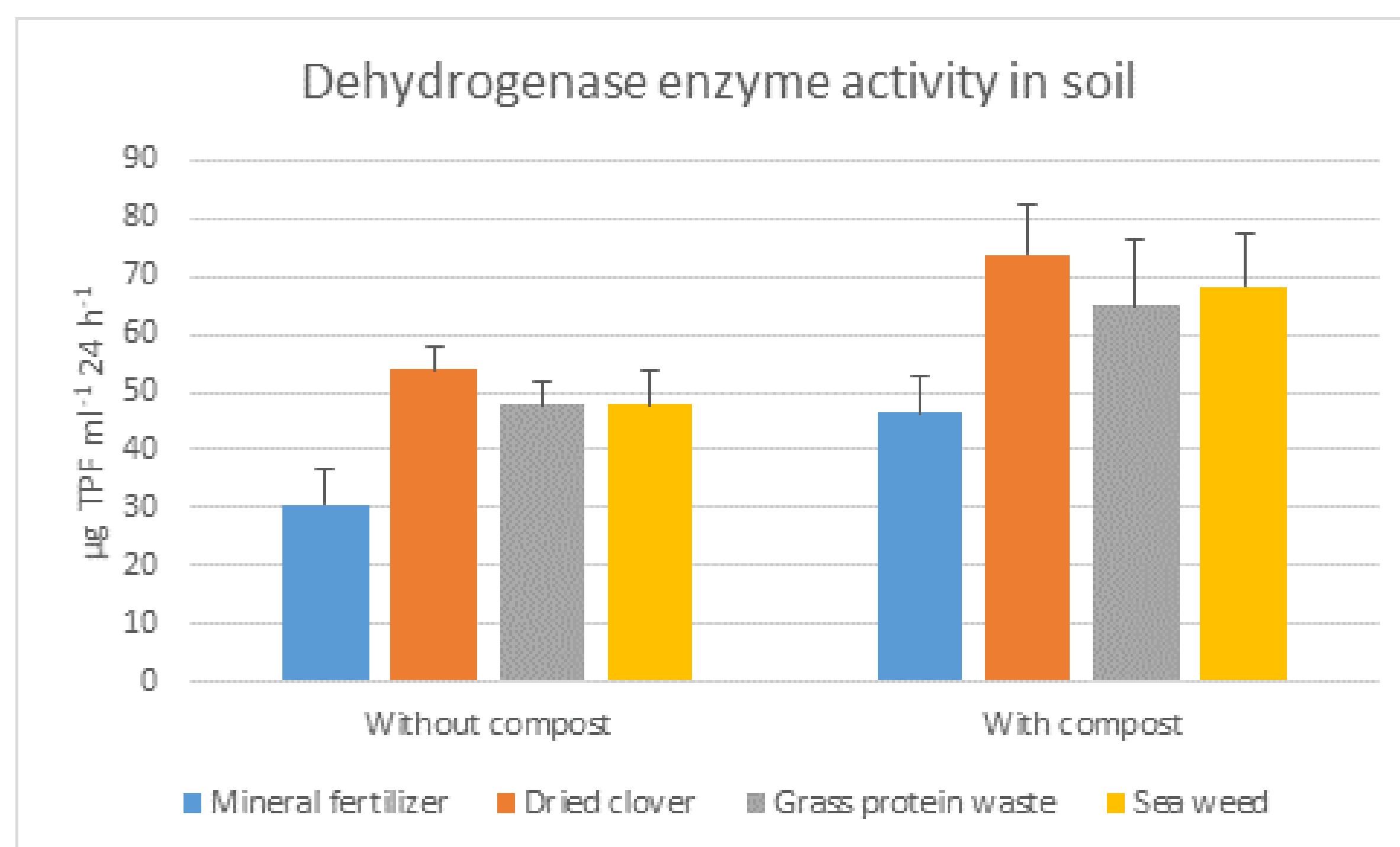
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CONCEPT

Fertile soils are essential to the production of plant foods - especially to achieve high quality vegetables. Quality compost is made by recycling of organic waste material, for example plant residues from our gardens and city parks. We need to understand how compost affect soil fertility and plant growth. Compost is expected to stimulate soil life, improve soil structure and ability to hold water and nutrients, support plant growth and store carbon.



Activity of the soil enzyme dehydrogenase without and with application of compost to the soil in combination with different types of fertilisers. Dehydrogenase reflects the activity of living soil microorganisms.

Test of compost application on growth of parsley and soil fertility at Aarhus University FOOD



Parsley grown without (left) and with (right) compost, and a fertiliser of dried clover



Plant-based fertilisers provided nutrients to the parsley



Colour reactions during the analysis of the soil enzyme dehydrogenase

