

Classroom experiments showing the effect of composts on plant growth



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This slide show describes how to perform simple experiments in the classroom which show how effective toilet compost can be and how it compares favourably with commercially available compost and is a far better growing medium than normal top soil



In this case alloy cans have been used as containers to grow the plants. The top of the can has been removed with a can opener and holes are punched into the base of the cans to allow for drainage.

The maize seed was first grown in seed trays, then transferred to alloy cans filled with compost taken from a Fossa alterna, commercially purchased compost and also topsoil from the garden. In each case 6 cans were filed with the specific compost or soil and plant with the maize. The seedlings were transferred on 14th September 2010



Results

By 7th October the results were showing up some interesting facts



The growth of the maize in toilet compost (left) was equally good as in commercially available compost (right). The commercially available compost cost USD10.00 per bag

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The growth of the maize in toilet compost (left) was far better than in garden topsoil (right).

These simple experiments reveal the value of usefulness of toilet compost



Lettuce (left photo) & Spinach (right photo) are shown growing on poor local topsoil (left bucket) and a 50/50 mix of local top soil (right bucket) and Fossa alterna humus