

FACT SHEET | SOIL FERTILITY ENHANCEMENT USING LEAVES AND SOFT STEMS OF TITHONIA DIVERSIFOLIA AND SEA WEEDS OR PEELS OF PLANTAIN/BANANA



The enhancement of soil fertility is crucial in organic farming. Organic farming depends on good natural soil fertility and conducive environment. Exhausted and damaged soils cannot offer the desired growth and yield performance of crops. There is need to improve the quality and performance of crop through application of foliar fertilizer.



Procedure for processing



1. Leaves and soft stems of Tithonia (1 kg), Sea weeds (500 g) or Peels of plantain/banana (*Musa × paradisiaca*) (1 kg) are harvested and collected respectively.
2. The materials are soaked in water (30 litres) for three to five days. The extract should be filtered and the filtrate should be collected in a keg.

Application rate, method and frequency

The extract (100 ml) should be mixed with 1 litre of water. 20 cl of the extract should be applied to one plant.

Application should be done on two to three weeks old plant and at 3-day interval to improve the growth and yield performance of the vegetables.