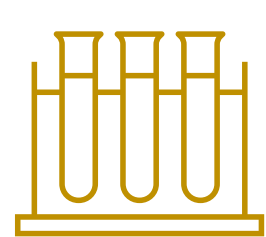


# Which soils benefit most from bio-slurry and BEC in Kenya?

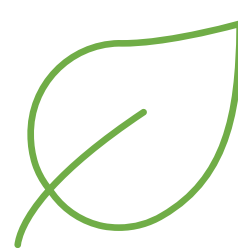
Bio-slurry and Bio-slurry-Enriched Compost (BEC) provide valuable nutrients to the soil. Soils that are low in Organic Matter (OM) or have a low pH (high acidity) will benefit more from these organic fertilizers.

## Soil pH



Bio-slurry and BEC applications reduce soil acidity, so the highest added value is on acidic soils

## Soil Organic Matter (SOM)



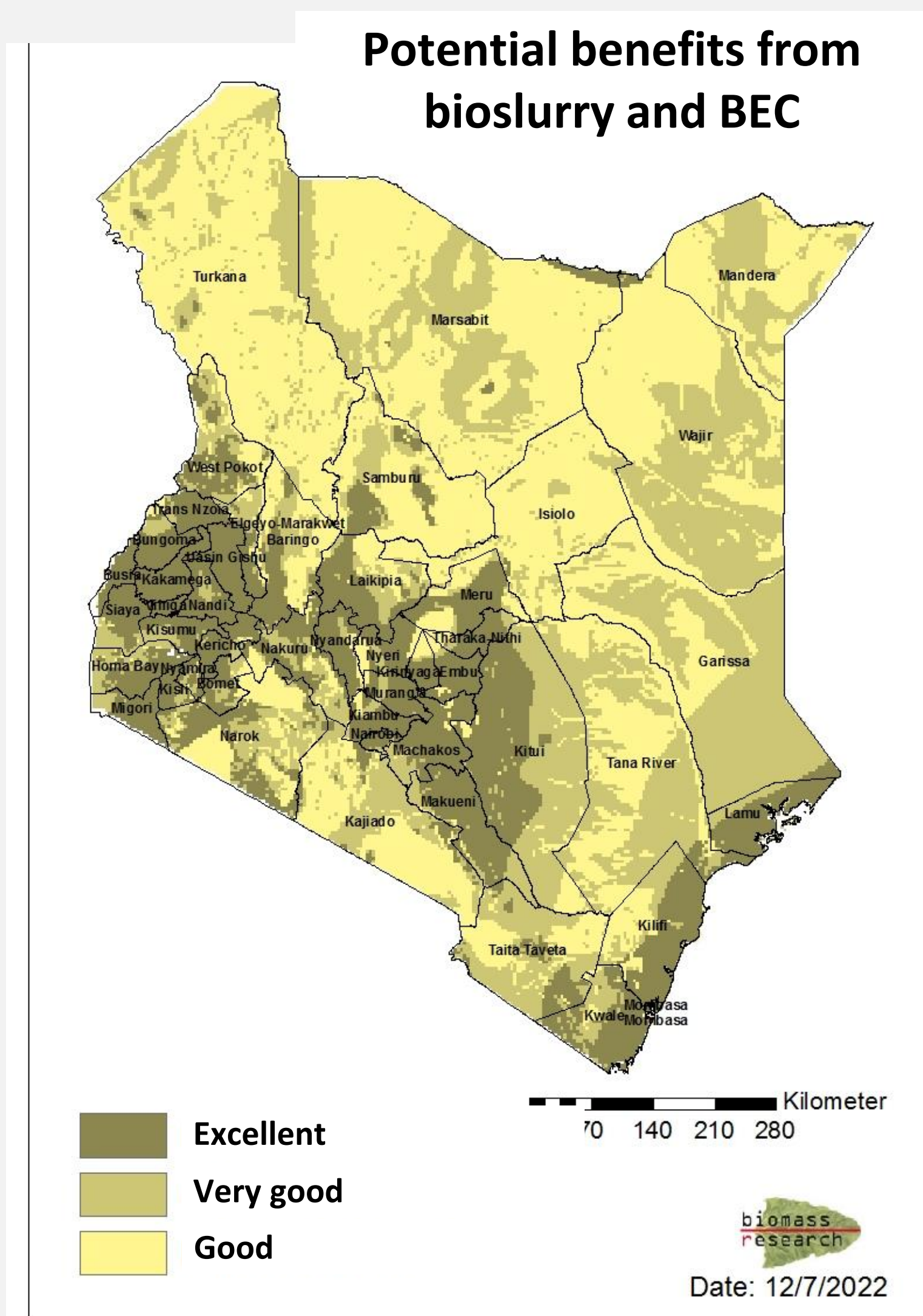
The use of bio-slurry and BEC increases SOM, leading to enhanced soil fertility, crop productivity, and thus added value

## Agro-Climatic Zones (ACZ)



Dryer conditions are generally less favorable as SOM decomposes more rapidly, resulting in reduced impacts on soil fertility, structure, and water retention

Our analysis shows which soils in Kenya are low in OM and/or have high acidity. These soils will profit particularly from bio-slurry and BEC application. The map shows regions where highest benefits for soils and crop productivity can be expected.



The map reveals that 30% of the land in Kenya has **excellent potential benefits**.

These regions will benefit most from bio-slurry and BEC application and show potential to enhance agricultural productivity.



- Find more information on the project website:  
[www.OFVI-ABC.nl](http://www.OFVI-ABC.nl)
- Find the downloadable source report for free through the QR code
- OFVI Partner Kenya:  
<https://www.africabioenergyprograms.org/>