



ClimatePartner^o

Microbial Composting

Cape Town, South Africa

Controlled microbial compost (CMC) is produced at this site, which is run by the South African company Reliance Compost (Pty) Ltd. Organic waste from municipal gardens is used which would otherwise be disposed of at the municipal landfill. The organic waste would have decomposed anaerobic, thereby releasing methane into the atmosphere. However, methane emissions are avoided during the new controlled microbial composting process with the result of an annual reduction of 60,000 tons of CO₂-equivalents. The existing composting site was planned to be shut down due to profitability constraints, if there had not been a joint venture with the Dutch company Soil and More International. Now, in the context of this project, a new and larger composting site will be built and run next to the existing composting facility.

Additional sustainable benefits of the project

- » Substantial improvement of the water holding capacity and fertility of the soils, which is very important because the availability and quality of water represents a serious problem in the South African region
- » Improvement of the disease resilience of the crops due to the treatment with compost reduction of the requirements for chemical pesticides
- » Improvement of the economic situation of the farmers in the area, as expenditures on chemical fertilizers and pesticides are minimized
- » Creation of around 55 jobs at the composting site within the next five years and of further jobs during the construction phase and operation of the new composting site, which improves the social circumstances in the area as a secure and stable income for many families

Validation:

TÜV Nord CERT GmbH

Type:

VER

Total volume:

600,000 t CO₂-equivalents

This project involves a composting site in Cape Town, South Africa.

