

Appraisal on Composting and Home Gardening Programme in Kinniya, Trincomalee

Krishnanantham, K.* and Seneviratne, Y. B. M. C. J.

GEF/IFAD-PCZRSMP office, Department of Coast Conservation and Coastal Resource Management, Trincomalee, Sri Lanka

*veny2012@gmail.com, chandanaseneviratne@yahoo.com

Abstract

The Present survey was carried out from January-April 2015 to evaluate the current status of composting and home gardening programme in Kinniya. Solid waste was the major problem identified by the PCZRSMP project in coastal areas of Kinniya. Several seeds and compost bins were provided by the project for identified households in 2014 to the success of home gardening activities. Main purpose of this activity is indirectly reduce the waste accumulation in coastal areas and make beneficial way as producing compost for home gardening in an effective way. Therefore it is essential for evaluation on the progress of the programme and it was conducted by the formulated questionnaire. The data on socio economic data, waste disposal, and home gardening was collected. Fifty families of samples in particular villages of Alangkerny, Sinnathodam, Eachantheevu and Mahroof Nagar were selected for the survey.

The results revealed that the waste disposal into natural eco system was calculated as high percentage (40%) and smell problem was recorded as the main issue (40%) due to unregulated waste disposal before the awareness programme. According to the calculation, the awareness programme conducted by the PCZRSMP created best solution for the solid waste issue. People were encouraged to produce compost and highest portions of families (98%) utilizing compost for agriculture purposes while 2% of them sell their compost. Most of the people (98%) consider compost is an effective fertilizer. The calculation shows that the majority of the people are willing to continue the composting process hence it is an effective waste management method (90%). Most of the villages are satisfied with composting and home gardening programme and willing to continue in future also. Further, the continuous monitoring should be needed for success of the programme as well as for providing best livelihood for the people.

Keywords: Compost bin, solid waste, questionnaire, home gardening