

UTILIZATION OF RURAL AND DAIRY REJECTS AS ALTERNATIVE FUEL IN THE BRAZILIAN RURAL WAY

Avellar, Luís Henrique Nobre 2 , Carrocci, Luiz Roberto 1 , Silveira, José Luz 1 , Coelho, Suani Teixeira 2

1 FEG/UNESP – Paulista State University Campus of Guaratinguetá, DEN – Energy Department, CEP 12516-410 – CP 205 – Guaratinguetá – SP – Brazil, carrocci@feg.unesp.br ; joseluz@feg.unesp.br

2 CENBIO/USP – National Reference Center on Biomass – University of São Paulo - CEP 05508-010 – São Paulo – SP – Brazil, avellar@iee.usp.br ; suani@iee.usp.br

ABSTRACT: This article presents some test results that show the real transformation viability for the use of dairy and rural rejects as alternative fuel, which can be used in the rural property to industrialize the agricultural products at low cost. Also this paper presented characteristics of some rural rejects and their pollutant aspects. Other great contribution of this article is to contribute to the rural poverty reduction, to the sustainable use of the renewable natural resources, and to the rational use of energy resources.

Keywords: biogas, animal manure, rural development.