

Input Energy Requirements and Performance of Different Soil Tillage Systems on Yield of Maize Crop

Authors : Shafique Qadir Memon, Muhammad Safar Mirjat, Abdul Quadir Mughal, Nadeem Amjad

Abstract : The aims of this study were to determine direct input energy and indirect energy in maize production, to evaluate the inputs energy consumption and outputs energy gained for maize production in Islamabad, Pakistan for spring 2013. Results showed that grain yield was maximum under deep tillage as compared to conventional and zero tillage. Total energy input/output were maximum in deep tillage as compared to conventional tillage while lowest in zero tillage, net energy gain were found maximum under deep tillage.

Keywords : tillage, energy, grain yield, net energy gain

Conference Title : ICFAE 2014 : International Conference on Food and Agricultural Engineering

Conference Location : London, United Kingdom

Conference Dates : July 27-28, 2014