

Performance analysis of rotavator and other tillage implement driven by the tractor

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■ **ABSTRACT** : Performance analysis of rotavator and other tillage implements in the field during the year 2014-15 is calculated in this research paper performance analysis of rotavator and other tillage system is calculated the field capacity, Fuel consumption, actual, theoretical speed performance index and energy requirement for preparation of seed bed with the performance of rotavator is calculated in plot with area of 60 x 20 m² the combination of ploughing ploughing + cultivating, ploughing + disc harrowing, ploughing + Rotavating, Single operation of rotavator and double operation of rotavator with speed of 5.21 km/h gave the highest performance index 83.34% and energy consumption was 586.73 MJ/h in this field area rotavator performance index is 25.75 and energy consumption 761.6 MJ/ha, respectively

■ **KEY WORDS** : Mean weight diameter, Fuel consumption, Energy requirement

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