

COMPARE THE EFFECT OF LOW AND HEIGHT SPEED ON FIELD CAPACITY OF MOLDBOARD PLOW .

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ABSTRACT

The experiment was conducted in the field of Agriculture College / Diyala University in 2009 – 2008 to evaluate the effect of low and height speed of tractor on field capacity of moldboard plow triple body type (Aydinpulluk).

Split plot design and complete randomized block design (CRBD) was used in this study. Two factors including two speed levels 2.16 and 7.44 Km / hr represent the main plot and three depths of plowing including 10, 15 and 20 cm represent sub plot were used in this study . Slippage percentage and field capacity were studied.

The study shows that: - the field capacity is increased by 68.9% when increased the practical speed to all the depth. And the field capacity gave the best performance when the depth is decrease; while the slippage percentage was lease 15 % to all the speed and depth include allow permeation.