PERFORMANCE EVALUATION OF TRACTOR DRAWN MULTI CROP INCLINED PLATE PLANTER FOR MAIZE (ZEA MAYS L)

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Abstract: Five row tractor drawn multi-crop inclined plate planter was developed at I.G.A.U., Raipur for sowing of different crops. The calibration of seed and fertilizer rate was done in the laboratory of SVCAET & RS, IGAU Raipur. The seed rate was found 20.13 kg/ha for maize crop (45 cm × 30 cm) and fertilizer rate was found from 9.24 kg/ha to 124.43 kg/ha. The field capacity was 0.70 ha/h and field efficiency was 80%. The plant population was found 9-12 plants per square meter. The cost of sowing per hectare was 2 times economical than traditional method.

Keywords: Cost economics, Field capacity, Field efficiency, Inclined plate planter, Tractor drawn

REFERENCES


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