

BULLOCK DRAWN VERTICAL ROTOR PLANTER FOR VERTISOLS

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Planters are used for metering bold seeds maintaining accurate plant to plant spacing within a row. However, these have not been successful as they lacked in accuracy, especially those drawn by bullocks. This was due to the sticking of wet soils (especially vertisols) on the ground drive wheels (increasing its effective diameter) which provides the transmission to seed metering mechanism through chain & sprocket and/or a set of gears. The present innovation on planter is such that the diameter of the ground drive wheel is maintained by constant cleaning of the sticking soils of vertisols, thus maintaining the correct gear ratios and hence ensuring accurate placement of seeds.



Practical applicability: Using this technology the farmer may realize better plant stand and population, which will translate into lesser seed used per unit area and saving in labour.

Commercial Potential : Farm implements manufacturers, private entrepreneurs, agro-industries

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