



Land Preparation Machinery

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Abstract

Land preparation is an essential operation for crop cultivation. Land preparation consists of field operations like, tillage, soil conditioning and leveling of the soil. Tillage, the physical manipulation of soil, is of two types like, primary tillage and secondary tillage. There are many kinds of tillage for conservation of the manure of soil or it is called soil conditioning. Such kind of tillage activities are, conservation tillage and reduced tillage. Conservation tillage leaves some crop residues in the field so that the soil structure is not breaking which conserves the plant manure. Next step of land preparation is levelling.

Keywords: land preparation, tillage, farm machinery

Land preparation is the first step of farming operation for cultivating any kind of crops. Land preparation consists of many field operations like, tillage, soil conditioning as well as leveling of the soil. Tillage means the mechanical manipulation of soil to develop a desirable soil structure for the seedbed or plants. Tillage also helps in weed control. Tillage is of two types like, Primary tillage and secondary tillage. Primary tillage means initial major soil working operation to reduce soil strength, cover plants material and rearrangement of aggregate. Secondary tillage is the subsequent tillage after primary tillage to create a refined seed bed. There are many kinds of tillage for conservation of the manure of soil or it is called soil conditioning. Such kind of tillage activities are, conservation tillage and reduced tillage. Conservation tillage leaves some crop residues in the field so that the soil structure is not breaking which conserves the plant manure. Next step of land preparation is levelling. The main objective of levelling is to break the big slots formed after tillage and create a levelled seedbed structure

for next farming operation that is seeding or planting. In this article, focus has been given on different land preparation machinery.

1. PRIMARY TILLAGE MACHINERY

a. MB Plough



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