

AGRICULTURE IMPLEMENTS

Enhancing The Efficiency and Productivity of Farming with Agriculture Machineries:

Different Types of Agriculture Machinery

Tillers

Tillers are very important agriculture machinery used for preparing and manipulating the soil before planting as well as cultivating the soil after planting. These also help in sowing and weeding and offer great advantages to farmers. Its uses and importance include:

- It correctly seeds the crop that has to be planted
- It buries the ruminant in the soil, warming it before planting
- And, it helps in the growth of crops by controlling weeds



Ploughs

Ploughs have a combination of fine blades and are used to create furrows in the soil, priming it for planting. They have been used as farm implements for centuries to loosen up and turn the upper surface of the soil, bringing fresh nutrients to the top. These also help in destroying any surface vegetation that is not required. Their modern, technically advanced versions are extremely well known among farmers looking to save time and money. Here are its uses and importance:

- It loosens the soil and improves the circulation of air within it
- Helps roots to penetrate deeply allowing plants to grow firmly
- Also, it improves the water-holding capacity of soil



Cultivators

Cultivators commonly use farm machinery that has narrow, short, pointed, and slightly curved shovels. These are used to mix and prepare the soil for better growth and also help remove weeds. They allow working on the soil in specific patterns without disturbing the crop and eliminating only weeds. They can be used before planting to aerate the soil or after the crops begin to grow to remove the weeds. Cultivators provide numerous advantages, particularly in terms of reducing tillage and plant care efforts.

- It aerates the soil maintaining the moisture level
- Helps in weed control and the burial of previous crops
- It saves time and effort, reducing manual labor while ploughing the land



Harrows

While ploughs make the soil ready for planting, harrows agitate it further, breaking down the clumps in the soil. This popular agriculture machinery helps to even out the soil surface, redistributing the remnants of crops and weeds, allowing the plants to take roots easily and grow. Harrows can also be used to distribute fertilizers and manure easily and evenly making this cumbersome yet critical task very easy for the farmers. Its uses and importance include:

- It improves the surface uniformity of soil by breaking down clumps
- It enhances soil aeration
- And, it eliminates weeds



Ridgers

Ridgers are farm implements that help form ridges or furrows. Cutting and turning the soil in two opposite directions at the same time is used to form furrows for sowing row crops such as chillies, potatoes, sugarcane, tobacco, banana, and more. Ridgers are used after the land has been tilled once or twice, when the soil has slight moisture. Its uses and importance include:

- It helps to make ridges for sowing seeds of row crops
- Helps to open furrows to allow water flow
- It helps to create the right balance between water and oxygen levels in the soil



Rippers

Rippers have commonly used farm machinery that helps to loosen and aerate the soil with minimal disturbance to the organic matter at the surface or upper layers of the soil. By breaking the larger lumps into smaller clods, it resolves the issue of soil compaction while retaining moisture. It helps to cut the weeds below the surface. It is designed to be easily used for heavy-duty applications since it is protected from damage from hidden obstacles such as underground stones and roots. Its uses and importance include:

- It resolves compaction issues without disturbing the upper organic layer
- Helps in plant growth by allowing entry of moisture and nutrients
- Also, it helps in giving even crops with high yield

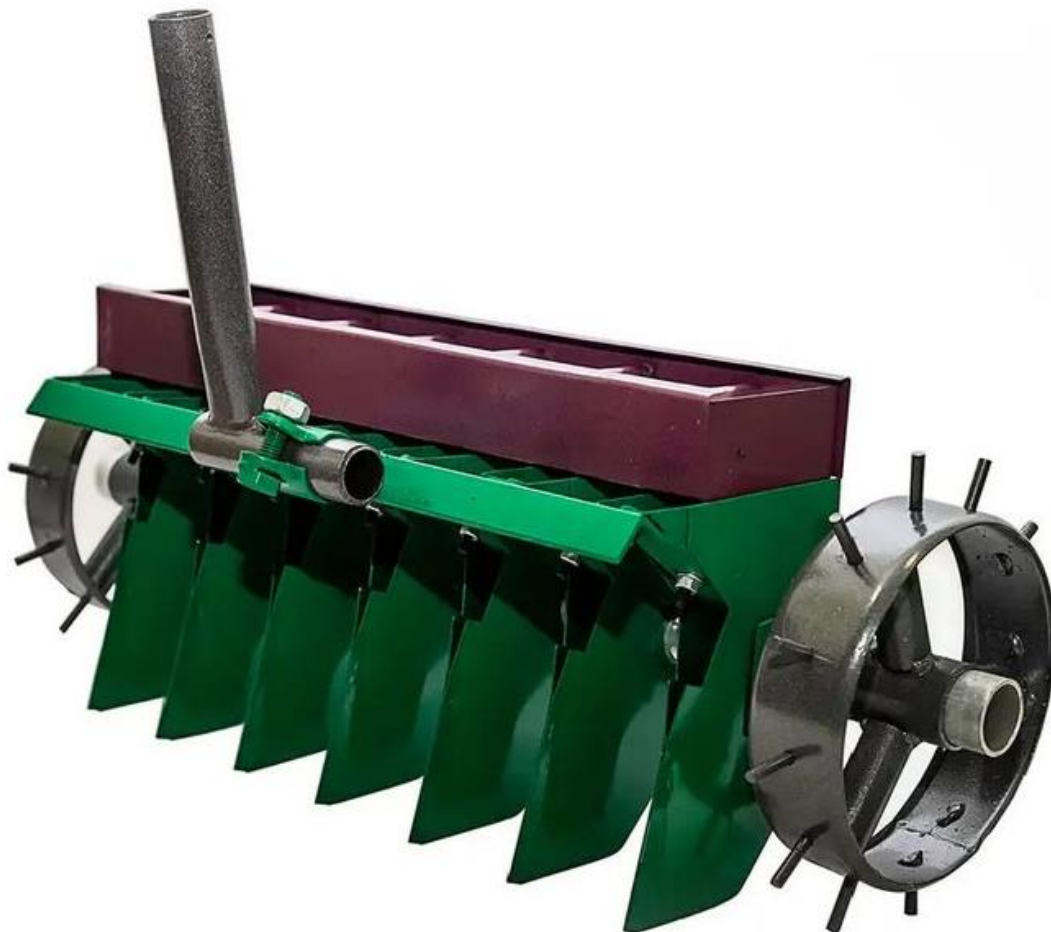




Seeders

Seeders are designed to help farmers efficiently spread seeds across large areas of land in less time. An important piece of agriculture machinery, the seeder helps to sow the seeds accurately spaced out and then covers them with soil, reducing labor, time, and energy. Besides, the seeds that are evenly spaced out grow better. There are various types of seeders, each with its own specific advantages. Its uses and importance include:

- It allows seeds to be sown at a precise rate, depth and at proper spacing
- It saves, time, energy and cost
- And, it helps plants to grow better improving the ratio of crop yield



Combine Harvester

The combine harvester is one of the most favoured farm machineries among farmers that help them to harvest large quantities of grains. They offer to lower costs and improve productivity by helping to do the most essential harvesting functions, which include reaping, threshing, and winnowing. Also, it can be used in dry areas as well as wet regions. Its uses and importance include:

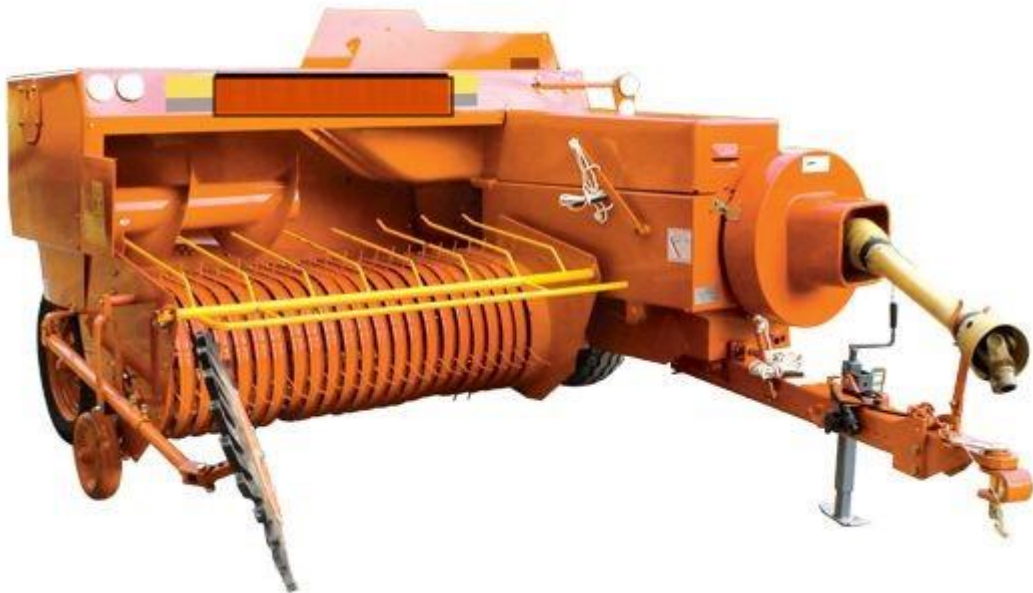
- It can be used to harvest wide patches of crops easily
- Also, it can be used for different kinds of crops including those with fragile seeds
- It saves manual labor, costs, and time



Baler

Balers are farm implements that help in the collection of straw, hay, corn stalks, and other cut and raked crops and wrap them into compressed bales that are easily manageable. These can then be easily stored or transported as needed, saving space, time, and cost.

- It helps in lowering waste costs
- It saves time by making waste handling faster and easy and saves on-site space.





Standard bucket



Large Cylindrical Pick-up-cBaler



Backhoe



Potato Harvester 4U



Dozer



Rotary Tiller



Pallet Forks



Peanut Harvester



Corn Planter



Plough



Snow Blower For Front End Loader



Disc harrows



3T Trailer



Five Share Plough



Disc Plow