

MACHINERIES THAT EASE AGRICULTURE

The Agricultural Engineering College at Kumulur is in the process of developing machineries and implements for agriculture. Dr. S. Ganapathy, Associate professor, Dept of Farm Machinery and Bioenergy, explained the various machineries developed and their uses.

According to him farmers are reluctant to use the farm Machinery as they are using farm technologies. Tractor has got many uses but farm use it mainly for transporting goods. As in foreign countries India should also depend on Machineries for agricultural production.

Direct seed Drill for Paddy;

This is used for sowing seeds directly to the soil. It consists of 2 roller and holes. This reduces labour by 30% and the yield is not reduced cost is Rs.4000/- . 1 hectare can be sowed in 1 day.

Paddy transplanter:

Transplanting is done in 8 rows. Nursery should be done as Mat nursery sow the seeds in the soil on polythene sheet. When grown, it should be cut as cake pieces and inserted in the machine. This reduces labour by 75%. The expenditure is reduced by 50%. It can transplant 1 ½ hectare in a day. The cost is Rs. 1, 50,000/-.

Cono weeder:

The weeds in the interspaces of crop can be pushed insitu by moving the weeder in forward and backward direction. The weeds become manure to the crops. The cost is Rs.900/-. This can remove weeds from ½ acre in a day.

Root uprooter:

This is used to uproot trees like Karuvel and Jatropa. It is used with tractor. It consists of 'V' shaped spear like equipment and subsoiler. The subsoiler helps in uprooting from the depths. It can be used to remove tap rooted tree too. It can remove the roots of 5 – 25kg in 2 – 3 minutes. The cost of the 'V' shaped equipment is Rs.500 while the entire cost is Rs.10, 500/-. This can be operated with 35 – 50 HP tractors. This machine has not been released commercially.

The College provides training as well as manufacturers machines as per the farmer's requirements says Dr. Rangasamy, Dean, Agri Eng. College.

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