

School of Agriculture

Course Code : AGRI2005

Course Name: Farm Machinery and Power

SOWING EQUIPMENT

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Paddy Planter

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SPECIFICATIONS

It is used for transplanting paddy seedling into main field. It is two type, riding type and walking type. Riding type is power driven. It can transplant six line in one pass. Walking type is manually operated and it

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Paddy seeder

FEATURES

it is used for sowing germinated paddy seeds directly in wet field. It distributes seed uniformly and maintain uniform plant population. In single operation, it cover 8 rows with row to row spacing of 20cm. Paddy



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Seed drill

FEATURES

It open furrow, place seed at desired depth with controlled seed rate and then cover seeds with soil. It is manually operated as well as mechanically operated. Manually operated seed drill consist of funnel in which seeds are place, seed tubes though which seeds are conveyed and drop below shoe. Mechanically metered seed drill consist of frame, seed box, seed metering mechanism, furrow open, covering device and transport wheels.



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Summary

Innovative Seed sowing equipment's has remarkable influence in agriculture. By using this innovative project of seed sowing equipment we can save more time required for sowing process and also it reduces lot of labourer cost. It is very helpful for small scale formers as it weighs less. After comparing the different method of seed sowing and limitations of the existing machine, it is concluded that the this seed sowing machine can

1-Maintain row spacing and controls seed rate.

2-Control the seed depth and proper utilization of seeds can be done with less loss.

3-Perform the various simultaneous operations and hence saves labour requirement so as labour cost, labour time and also save lots of energy

References

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