

SYSTEM FOR CONTROLLED LEVEL OF PUDDLING

Purpose	To control the level of puddling in wetland
Type of the implement	Tractor mounted
Field capacity	1.5 ha / day
Cost of the implement	Rs.50,000/- (Additional Hydraulic cylinder to the existing laser leveller)
Salient Features	<ul style="list-style-type: none"> • Constant depth of puddle can be maintained accurately, reducing the tillage energy expended by deep puddling. • Reduce water requirement for puddling. • Establishment of a strong sub soil layer that will reduce deep percolation. • Ensures good level surface layer and subsurface layer enabling easy transplanting



ii. SOWING IMPLEMENTS

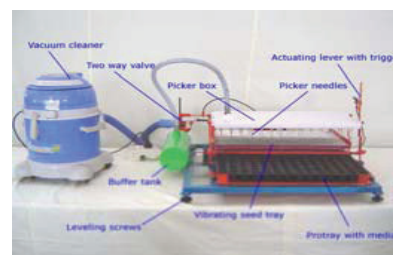
SEED CUM FERTILIZER DRILL FOR PADDY

Purpose	For direct sowing of paddy and simultaneous application of fertilizer
Type of the implement	Tractor mounted
Field capacity	3 ha/day
Cost of the implement	Rs. 75,000 /- (Approximately)
Salient Features	<ul style="list-style-type: none"> • For dry sowing of paddy seeds in 9 rows at uniform depth and spacing



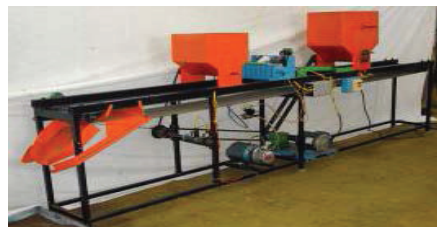
NEEDLE TYPE TRAY SEEDER FOR VEGETABLE NURSERY

Purpose	To sow in pro tray cavities
Field capacity	Can sow seeds in 60 trays/ hour
Cost of the unit	Rs. 35,000 /- (Approximately)
Salient Features	<ul style="list-style-type: none"> • To mechanize placement of seeds in the pro-tray cells • Singulated raw/ pelleted seeds placed in all the cells in a single stroke • Cost of operation is Rs. 280 for sowing 750 trays /day • Saving in time is 300% and saving in labour is 60



AUTOMATIC PROTRAY SOWING MACHINE FOR VEGETABLE NURSERY PRODUCTION

Purpose	Filling medium and sowing seeds in protray
Field capacity	Can sow seeds in 200 trays/ hour
Cost of the implement	Rs. 1,00,000 /- (Approximately)
Salient Features	<ul style="list-style-type: none"> • The automated protray sowing machine provides for automating all the steps involved in the sowing of vegetable seeds in protrays. • The machine is able to provide above 100 per cent saving in cost.



TRACTOR DRAWN TURMERIC RHIZOME PLANTER

Purpose	To plant turmeric rhizomes on ridges
Type of the implement	Tractor mounted
Field capacity	1.2 ha/day
Cost of the implement	Rs. 60,000 /- (Approximately)
Salient Features	<ul style="list-style-type: none"> • Three rows can be planted at a time in the required spacing. • Row spacing is adjustable • Saving in quantity of 500 kg/ ha seed rhizomes



SUGARCANE SETT CUTTER

Purpose	Cutting sugarcane sett with single bud
Field capacity	1500 setts/hour
Cost of the implement	Rs. 5,000 /- (Approximately)
Salient Features	<ul style="list-style-type: none"> • Damage is less when compared to manual cutting



MANUALLY OPERATED CARROT SEEDER

Purpose	Suitable for sowing pelletized carrot seeds
Type of the implement	Manually operated
Field capacity	0.064 ha/day
Cost of the implement	Rs. 30,000 /- (Approximately)
Salient Features	<ul style="list-style-type: none"> • Pelletized carrot seeds can be sown in six rows. • Specially designed conical foam pad metering mechanism to avoid seed damage. • A single person can easily push the seeder easily on the seed beds.



iii. INTERCULTURAL EQUIPMENTS

TWO ROW FINGER TYPE PADDY ROTARY WEEDER

Purpose	For weeding in rice crops
Type of the implement	Manually operated
Field capacity	0.35 ha/day.
Cost of the implement	Rs. 1400 /- (Approximately)
Salient Features	<ul style="list-style-type: none"> • Two row paddy weeder • Row to row spacing is adjustable



BATTERY OPERATED PORTABLE WETLAND WEEDER

Purpose	For weeding in rice crop
Type of the implement	Manually operated
Field capacity	0.3 ha/day
Cost of the implement	Rs. 12,000 /- (Approximately)
Salient Features	<ul style="list-style-type: none"> • Single row paddy weeder • No drudgery involved for the operator

