

Tractor Operated Drip Lateral and Plastic Mulch Layer-cum-Planter

Utility

Manual operations of raised bed forming, drip lateral and plastic mulch laying, and planting seeds in mulch are drudgery prone, time consuming and laborious activities. The tractor operated drip lateral and plastic mulch layer-cum- planter performs all these operations in one go. It can be adopted for varying bed widths (0.6-1 m), plastic mulch (1.2-1.8 m) and crop geometry. It is suitable for planting of melons, corns, okra, green peas, beans etc.



Specifications & Performance results		
Power source, kW	:	≥ 41 kW tractor
Width of operation, m	:	0.6 - 1.2
Depth of operation, mm	:	250
Cost, Rs.	:	3,60,000/-
Draft, N	:	5500
Actual field capacity, ha/h	:	0.2
Field efficiency, %	:	74
Labour requirement, man-days/ha	:	2.0
Cost of operation, Rs./h	:	1500/-

Benefits over conventional/traditional practices

- It saves Rs. 6600/- per hectare (43%) in cost of operation & 26 man days (89%) per hectare compare to existing drip lateral cum plastic mulch laying machine.

Design: ICAR-CIAE, Bhopal

Commercialization Status: Ready for commercialization

Contact:

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