

## Small Tractor Operated Boom Sprayer suitable for Field and Orchard Crops

### Utility

This equipment is suitable for field crops and orchards crops. The developed equipment is small tractor operated and consists of a tank of 300 l capacity, three cylinder axial piston pump and boom fitted with hollow cone nozzles. The tank is fitted on the ROPS of the tractor. The total length of the boom is 7 m and fabricated to fivefold system. The fold system arranged in such a way that, the spray boom can be fixed in horizontal as well as vertical position according to the need of orchard crop canopy geometry.



Specifications & Performance results		
Power source, kW tractor	:	Small Tractor
Cost of equipment, Rs.	:	30,000/-
Operating speed,	:	2.8
Effective field capacity, ha/h	:	1.45
Field efficiency, %	:	73
Pump capacity, LPM	:	36
Cost of operation, Rs/ha	:	500/-

### Benefits over conventional/traditional practices

- It has compact size, can easily attached with any small tractor for field operation.

**Design:** ICAR-CIAE, Bhopal

**Commercialization Status:** Commercialized

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