

SPECIFICATION SHEET - SEED-CUM-FERTILIZER DRILL

INDIAN STANDARD TEST CODE IS : 6316:1993

A-1 GENERAL

- a) Name
- b) Type
- c) Make
- d) Serial No.
- e) Model
- f) Year of manufacture
- g) Different seeds which the drill is designed to sow
- h) Source of power
- j) Recommended traveling speed of the drill
- k) Recommended power of tractor (if tractor operated)
- m) Location of fertilizer outlet in relation to seed outer.

A-2 FURROW OPENERS

- a) Type and tilt angle with respect to vertical
- b) No. of openers
- c) Arrangement of openers
- d) Range of selection of openers
- e) Method of changing row space and range
- f) Nominal width
- g) Lifting and lowering of openers
- h) Depth control
- j) Fertilizer placement with respect to seeds

A-3 METERING MECHANISM

- a) Seed metering device:
 - 1) Type
 - 2) Size of feed shaft
 - 3) Size (dia) and number of fluted rollers (in case of plate type, the number of holes)
 - 4) Source of power (ground wheel or others)
 - 5) Transmission ratio of shall of seed metering device to and wheel axle
 - 6) Type of agitator

- 7) Method of feed rate control for different sizes of seeds
 - 8) Provision for closing seed discharge
- b) Fertilizer distributor:
- 1) Type
 - 2) Size of shaft specified
 - 3) Size and number of metering device
 - 4) Type of agitator
 - 5) Method of feed rate control
 - 6) Provision for closing and opening of hopper gate
 - 7) Transmission ratio of the feed shaft to land wheel axle

A-4 HOPPER

- a) Capacity:
- 1) Seed box
 - 2) Fertilizer box
- b) Type of hoppers.

A-5 MARKER DETAILS

- a) Type
- b) Details of range of adjustment

A-6 SEED COVERING ARRANGEMENT

A-7 TYPE OF HITCH AND ITS DETAILS

A-8 GROUND DRIVE DETAILS

- a) No. of wheels
- b) Type of wheel
- c) Size
- d) Method of transmitting power to feed shafts

A-9 DETAILS OF ADJUSTMENTS

A-10 DETAILS OF SAFETY ARRANGEMENT FOR ROTATING PARTS

A-11 DIMENSIONAL DETAILS OF HANDLE, ITS HEIGHT FROM GROUND LEVEL AND ADJUSTMENT, IF ANY (IN CASE OF ANIMAL-DRAWN DRILLS)

A12- OVERALL DIMENSION

- a) Length
- b) width

- c) Height
- d) Weight with seeds and fertilizers
- e) Ground clearance

A-13 NUMBER OF GREASING POINTS

A-14 DETAILS OF MATERIAL OF CONSTRUCTION

SI No.	Name of Pan	Material	Section, or Size in ms
(1)	(2)	(3)	(4)
1.			
2.			
3.			
4.			
5.			

A-15 TYPE OF TEST REQUIRED

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