

व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)

COMMERCIAL TEST REPORT (INITIAL)

संख्या/No: SPE/SRFMTTI,

ANANTAPUR/2025-26/09/09/1952

माह/Month: November, 2025

THIS TEST REPORT IS VALID UPTO 31.10.2032



**DHARTI AGRO ENGINEERING, DAE-15X30
SEED CUM FERTILIZER DRILL (Tractor Mounted)**



भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmers Welfare

कृषि एवं किसान कल्याण विभाग

Department of Agriculture and Farmers Welfare

दक्षिणी क्षेत्र कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

Southern Region Farm Machinery Training and Testing Institute

ट्रैक्टर नगर, गार्लदिन्ने-515 731, जिला: अनंतपुर (आं. प्र.)

Tractor Nagar, Garladinne-515 731, District: Anantapur (A.P.)

[An ISO 9001:2015 CERTIFIED INSTITUTE]

Website: <http://srfmtti.dacnet.nic.in/> E-mail: fmti-sr@nic.in

SPE/SRFMTTI, ANANTAPUR/2025-26/ 09/09/1952	DHARTI AGRO ENGINEERING, DAE-15X30 SEED CUM FERTILIZER DRILL (Tractor Mounted)	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 31.10.2032	

Manufacturer : M/s. Dharti Agro Engineering
OLD SR. 73 P7 & 73 P8, NEW SR. No. 709/2 &
739, Village - Shapar (Veraval), TA.: Kotada
Sangani, Dist: Rajkot, Gujarat – 360024.

Applicant : The Manufacturer

**DHARTI AGRO ENGINEERING, DAE-15X30
SEED CUM FERTILIZER DRILL (Tractor Mounted)**

Report No.: SPE/SRFMTTI, ANANTAPUR/2025-26/09/09/1952

Month: November

Year: 2025



सत्यमेव जयते

**Government of India
Ministry of Agriculture and Farmers Welfare
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SPE/SRFMTTI,
ANANTAPUR/2025-26/
09/09/1952

DHARTI AGRO ENGINEERING, DAE-15X30
SEED CUM FERTILIZER DRILL
(Tractor Mounted)

THIS TEST REPORT IS VALID UP TO
31.10.2032



Type of test : COMMERCIAL (ICT)

Period of test : June, 2024 to September, 2025

Test Report No. : SPE/SRFMTTI, ANANTAPUR/2025-26/09/09/1952

Month / Year of release : November, 2025

- i) The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- ii) The data given in this report pertain to the particular machine alone selected randomly for test by the testing authority at applicant's site.
- iii) The results presented in this report do not in any way attribute to the durability of the machine.
- iv) This report should not be reproduced in part or full without prior permission of the Director, Southern Region Farm Machinery Training and Testing Institute, Garladinne, Anantapur (A.P.).
- v) This is a report on Commercial Test of Seed Cum Fertilizer Drill named "DHARTI AGRO ENGINEERING, DAE-15X30 SEED CUM FERTILIZER DRILL (Tractor Mounted)". This report is valid up to 31.10.2032, Vide Ministry's O.M. no. 13-22/2020-M&T (I&P) dated 12.12.2023

SELECTED CONVERSIONS

Sl. No	Units	Conversion Factor
1	Force	
	1 kgf	9.80665 N
		2.20462 lbf
2	Power	
	1 hp	1.01387 metric hp (Ps)
		745.7 W
	1 Ps	735.5 W
	1 kW	1.35962 Ps
3	Pressure	
	1 psi	6.895 kPa
	1 kgf/cm ²	98.067 kPa = 735.56 mm of Hg
	1 bar	100 kPa = 10 N/cm ²
	1 mm of Hg	1.3332 m-bar

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	THIS TEST REPORT IS VALID UP TO 31.10.2032	

Type of test : COMMERCIAL (ICT)

Name of Machine : Seed Cum Fertilizer Drill

Make : DHARTI AGRO ENGINEERING

Model : DAE-15X30

Type : Tractor Mounted

Manufacturer : M/s. Dharti Agro Engineering
OLD SR. 73 P7 & 73 P8, NEW SR. No. 709/2 & 739,
Village - Shapar (Veraval), TA.: Kotada Sangani,
Dist: Rajkot, Gujarat – 360024.

Applicant : The Manufacturer



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TESTED BY

Government of India
Ministry of Agriculture and Farmers Welfare
Department of Agriculture and Farmers Welfare
Southern Region Farm Machinery Training and Testing Institute
Tractor Nagar, Garladinne-515 731, District: Anantapur (A.P.)
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1	2	3	4	5
20	Seed and Fertilizer rate adjustment, kg/ha	Max. 125 and 500 for seed fertilizer respectively	Adjustable	Conforms
21	Marking/labeling of machine	The labeling plate should be riveted on the body of the machine having name and address of manufacturer & applicant, country of origin, make, model, year of manufacturer, serial number, required size of prime mover, (kW/hp)	Provided	Conforms
22	Literature	Operator manual, service manual and parts catalogue should be provided	Not Provided	Does not conform

12. COMMENTS & RECOMMENDATIONS

- 12.1** Accessories like foot board, row marker, press wheel and area recorder need to be provided.
- 12.2** Suitable clutches are not provided to stop the movement of metering mechanisms when the wheels are turned in reverse direction. This should be looked into for corrective action.
- 12.3** It is recommended that a permanent metallic calibration plate indicating the metering position and quantity of seed and fertilizer should be attached under the top cover of the seed box.
- 12.4** Furrow opener does not having the dimension as per IS 6813:2000. This should be looked into for corrective action.
- 12.5** Seed agitator has not been provided. This should be looked into for corrective action.
- 12.6** The variation in dropping seed among different furrow openers shall not be more than 7 % and calls for improvement in the design.

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12.7 The variation in dropping due to box filling at 3/4th, 1/2nd and 1/4th of rated capacity was excessive 10% and calls for improvement in the design.

12.8 Chemical Analysis:

Chemical composition of blade Does not conform to the IS: 6813-2000. This should be looked into for corrective action.

12.9 Marking/labeling:

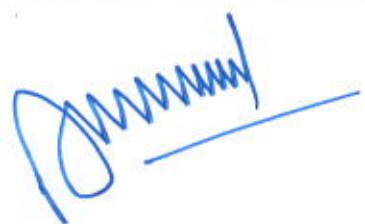



The labeling plate does not reveal all the required information. It is therefore recommended that a suitable labeling plate covering all essential components, inter alia, the following must be provided:

a) Mass of Seed Drill, kg

12.10 Technical Literature:

Operation manual, Service manual, Maintenance manual and Spare parts catalogue of seed cum fertilizer drill is not provided for reference during the test. However, this may be brought out in English, Hindi and other regional languages as per IS: 8132- 1999 (Reaffirmed 2004) for the sake of user & technical personnel.

TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. Y.K. RAO SENIOR AGRICULTURAL ENGINEER
	 Dr. P.P. RAO DIRECTOR

13. APPLICANT COMMENTS

-NIL-