

**THIS TEST REPORT IS VALID UP TO 31.08.2031**



**DHARTI AGRO ENGINEERING, DAE-11X22  
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]**

IMP-405/1729	DHARTI AGRO ENGINEERING, DAE-11X22 SEED CUM FERTILIZER DRILL (Tractor Mounted)	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 31.08.2031	

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-11X22 SEED CUM FERTILIZER  
DRILL(Tractor Mounted)**

Report No.: IMP-405/1729

Month: September

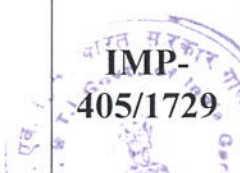
Year: 2024



**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.)**  
**[An ISO 9001:2015 CERTIFIED INSTITUTE]**

Website: <http://srfmtti.dacnet.nic.in/>

E-mail: [fmti-sr@nic.in](mailto:fmti-sr@nic.in)

	<b>DHARTI AGRO ENGINEERING, DAE-11X22 SEED CUM FERTILIZER DRILL (Tractor Mounted)</b> <b>THIS TEST REPORT IS VALID UP TO 31.08.2031</b>	<b>COMMERCIAL (ICT)</b>
--	--	-----------------------------

Type of test : COMMERCIAL (ICT)

Period of test : June, 2024 to September, 2024

Test Report No. : IMP-405/1729

Month / Year of release : September, 2024

- The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- The data given in this report pertain to the particular machine alone selected randomly for test by the testing authority at applicant's site.
- The results presented in this report do not in any way attribute to the durability of the machine.
- 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.).
- This is a report on Commercial Test of Seed Cum Fertilizer Drill named **“DHARTI AGRO ENGINEERING, DAE-11X22 SEED CUM FERTILIZER DRILL (Tractor Mounted)”**. This report is valid up to **31.08.2031, 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	<b>Force</b>	
	1 kgf	9.80665 N
		2.20462 lbf
2	<b>Power</b>	
	1 hp	1.01387 metric hp (Ps)
		745.7 W
	1 Ps	735.5 W
	1 kW	1.35962 Ps
3	<b>Pressure</b>	
	1 psi	6.895 kPa
	1 kgf/cm <sup>2</sup>	98.067 kPa = 735.56 mm of Hg
	1 bar	100 kPa = 10 N/cm <sup>2</sup>
	1 mm of Hg	1.3332 m-bar

IMP-405/1729	DHARTI AGRO ENGINEERING, DAE-11X22 SEED CUM FERTILIZER DRILL (Tractor Mounted)		COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 31.08.2031		
1	2	3	4
C1.11	Accessories:		
	The following accessories may be provided with each drill: a) Foot board b) Covering device c) Row marker d) Press wheel e) Area recorder	Provided Provided Not provided Not provided Not provided	Conforms Conforms <b>Does not conform</b> <b>Does not conform</b> <b>Does not conform</b>
Cl. 12	Workmanship & Finish:		
CI 12.1	The welding shall be satisfactory in all aspects and should not be brittle.	Satisfactory	Conforms
CI 12.2	The components shall be free from rust and shall have a protective coating to prevent surface deterioration in transit and storage	The components off all free from rust	Conforms
CI 12.3	The components should be free from pits, burrs and other defects that may be detrimental for their use.	The components should be free from pit burrs and other defects	Conforms
CI 14	Marking & Packing:		
CI 14.1	Each drill shall be marked with the following particulars: a) Indication of the source of Manufacture	Provided	Conforms
	b) Model, code and serial number;	Provided	Conforms
	c) Type	Provided	Conforms
	d) Size	Provided	Conforms
	e) Type of seeds(suitability)	Provided	Conforms
	Mass	Not Provided	<b>Does not conform</b>

### 11. COMMENTS & RECOMMENDATIONS

- 11.1 The seed and fertilizer box should be provided with self-locking mechanism on being opened.
- 11.2 Accessories like row marker, press wheel and area recorder need to be provided.

IMP-405/1729	<b>DHARTI AGRO ENGINEERING, DAE-11X22 SEED CUM FERTILIZER DRILL (Tractor Mounted)</b>	<b>COMMERCIAL (ICT)</b>
	<b>THIS TEST REPORT IS VALID UP TO 31.08.2031</b>	

### 11.3 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

### 11.4 Technical Literature:

Operation manual, Service manual, Maintenance manual and Spare parts catalogue of seed cum fertilizer drill in English is not provided for reference during the test. However, this may be brought out in 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	
Dr. B.M. NANDEDE DIRECTOR	 

### 12. APPLICANT COMMENTS

Reference No.	Applicant comments
11.1	We will Provide seed cum fertilizer box self-locking mechanism in future product.
11.2	We will Provide Row marker, Press wheel and Area recorder in future product.
11.3	We will provide with all the parameters required to be mentioned in the labelling plates as per IS: 10273:1987.
11.4	We will provide the Operator's manual cum parts catalogue of weeder as per IS: 8132- 1999 (Reaffirmed 2004) in future products.