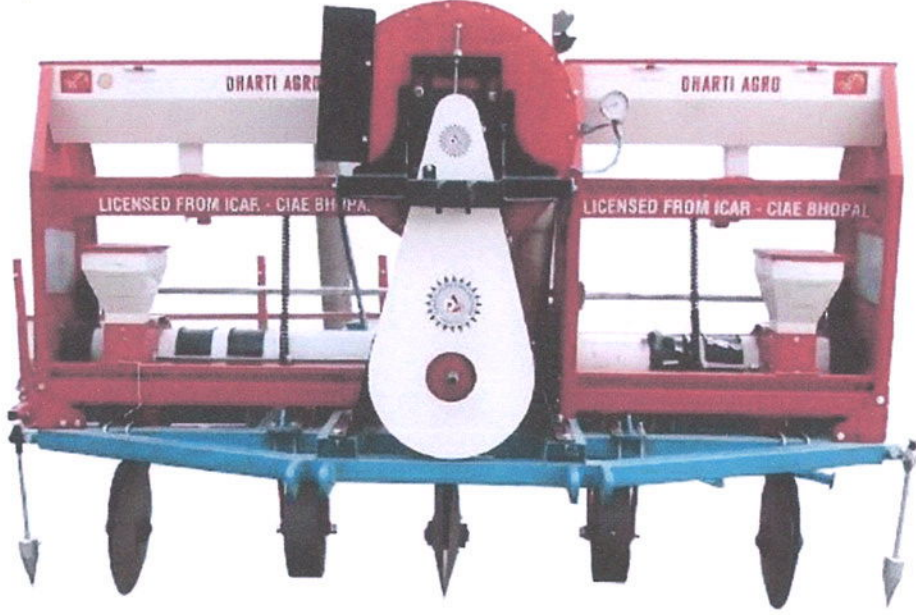


THIS TEST REPORT IS VALID UPTO 31.03.2031



**DHARTI AGRO ENGINEERING, DAE-DP2
PNEUMATIC PLANTER (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]

Machine-552/1601	DHARTI AGRO ENGINEERING, DAE-DP2 PNEUMATIC PLANTER (Tractor Mounted)
	THIS TEST REPORT IS VALID UP TO 31.03.2031

COMMERCIAL
(ICT)



Manufacturer : M/s. Dharti Agro Engineering ,
Dharti Gate, Survey No.35, Plot No. 6,
N.H. 8B, Rajkot - Gondal Highway, Shapar,
Veraval, Rajkot – 360024, Gujarat, **India.**

Applicant : The Manufacturer

**DHARTI AGRO ENGINEERING, DAE-DP2
PNEUMATIC PLANTER (Tractor Mounted)**

Report No.: Machine-552/1601

Month: April

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

Telephone: 08551-286441



Machine-552/1601	DHARTI AGRO ENGINEERING, DAE-DP2 PNEUMATIC PLANTER (Tractor Mounted)	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 31.03.2031	

Type of test : COMMERCIAL (ICT)
Period of test : 14.02.2024 to 19.02.2024
Test Report No. : **Machine-552/1601**
Month / Year of release : April, 2024

- 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 Pneumatic Planter named "**DHARTI AGRO ENGINEERING, DAE-DP2 PNEUMATIC PLANTER (Tractor Mounted)**". This report is valid up to **31.03.2031**, 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	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

Machine-552/1601	DHARTI AGRO ENGINEERING, DAE-DP2 PNEUMATIC PLANTER (Tractor Mounted)	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 31.03.2031	

10. COMMENTS & RECOMMENDATIONS

- 10.1 The variation in dropping of seed among different furrow openers was observed within the limit.
- 10.2 Furrow covering device with adjustable provision is provided to facilitate the sowing operation.
- 10.3 Individual On/Off provision and seed regulation are provided in seed dropping mechanism
- 10.4 A fertilizer tube provided on the machine should be as per IS.
- 10.5 A agitator in fertilizer box has not been provided. It should be looked into for corrective action.
- 10.6 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:
- I) Size
 - II) Type of seeds (suitability)
 - III) Mass




10.7 Technical Literature:

Operator's manual cum Spare parts catalogue of pneumatic planter in English were 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.

11. APPLICANT'S COMMENT

We will take proper action against all the comments and recommendations specified in the draft report for further products of our company.

TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. P. KAMALABAI SENIOR AGRICULTURAL ENGINEER
 Dr. B.M. NANDEDE DIRECTOR	

