

THIS TEST REPORT IS VALID UPTO 31.12.3031



**RAAJ, RAAJ-8SCFD SP SEED CUM FERTILIZER DRILL
(Tractor Mounted)**



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
ट्रेक्टर 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

IMP-432/1800	RAAJ, RAAJ-8 SCFD SP SEED CUM FERTILIZER DRILL (Tractor Mounted)	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 31.12.2031	



Manufacturer : M/s. Rajesh Engineering Works
Shop Khata No.158, Hanagal, Molkalmuru (Tq),
Chitradurga (Dt), Karnataka, India.

Applicant : The Manufacturer

RAAJ, RAAJ-8 SCFD SP SEED CUM FERTILIZER DRILL (Tractor Mounted)

Report No.: IMP-432/1800

Month: January

Year: 2025



सत्यमेव जयते

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Type of test : COMMERCIAL (ICT)

Period of test : November, 2024 to January, 2025

Test Report No. : IMP-432/1800

Month / Year of release : January, 2025

- 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 through virtual mode.
- 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 "RAAJ, RAAJ-8 SCFD SP SEED CUM FERTILIZER DRILL (Tractor Mounted)". This report is valid up to 31.12.2031, Vide Ministry's O.M. No. 13-24/2018-M&T (I&P) dated 19.09.2018.

SELECTED CONVERSIONS

S. 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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1	2	3	4	5
14	Provision for adjusting seed/Fertilizer rate	Must be provided	Provided	Conforms
15	Provision for transparent seed tubes	Must be provided	Provided	Conforms
16	Provision of foot board	Must be provided	Not Provided	Does not conform
17	Provision of covering device	Must be provided	Provided	Conforms
18	Provision of row marker	Must be provided	Not Provided	Does not Conform

12. COMMENTS & RECOMMENDATIONS

12.1 The seed and fertilizer box should be provided with self-locking mechanism on being opened.

12.2 Accessories like row marker, press wheel and area recorder need to be provided.

12.3 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:

- Mass
- Type
- Type of seeds(suitability)
- Mass

12.4 Chemical analysis:

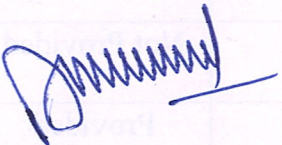
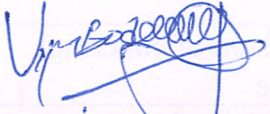
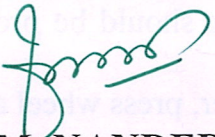
Chemical composition of shovel does not conform the requirement of IS 6690: 1981. This should be looked into for corrective action.

12.5 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.

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TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. VIJAY KUMAR BADAYA SENIOR AGRICULTURAL ENGINEER
 Dr. B.M. NANDEDE DIRECTOR	



13. APPLICANT'S COMMENTS

Sl. No.	Para No.	Comments
1	12.1	The suggestion is noted and the company would work on the same to bring the self locking mechanism in future products.
2	12.2	The suggestion is noted and the company would work on the same to bring the row marker, press wheel and area recorder product in future.
3	12.3	The labeling plate with recommended information will be provided at the time of commercial production level.
4	12.4	We will do corrective improvement in the future product for chemical composition of seed drill shovel to meet the requirement of IS: 6690:1981.
5	12.5	Operator, Service manual and Parts catalogue will be provided as per IS:8132-1999.