

व्यावसायिक परीक्षण रिपोर्ट(प्रारंभिक)

COMMERCIAL TEST REPORT(INITIAL)

संख्या/No: Machine-723/1825

माह/Month: February, 2025

THIS TESTREPORT IS VALID UPTO 31.01.2032



SURYA AGRO, SURYA 9PW POWER WEEDER



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/>

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Machine- 723/1825	SURYA AGRO, SURYA 9PW POWER WEEDER	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 31.01.2032	

Manufacturer, (apa) : M/s. Surya Agro Industries,
Jaya Nagar, Hosa Holalu Road, K.R.
Pet Tq. – 571425, Mandya District,
Karnataka.

Applicant : The manufacturer

SURYA AGRO, SURYA 9PW POWER WEEDER

Report no.: Machine-723/1825

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सत्यमेव जयते

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Type of test : COMMERCIAL (ICT)

Period of test : December, 2024 to January, 2025

Test Report No. : Machine-723/1825

Month / Year of release : February, 2025


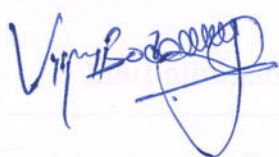
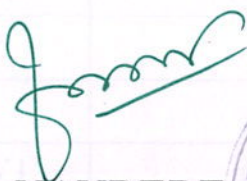

- The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- The data given in this report pertain to the particular machine randomly selected by testing authority through virtual mode.
- The results presented in this report do not, in any way, attribute to the durability of the machine.
- This Test Report should not be reproduced in part or full without prior permission of the Director, Southern Region Farm Machinery Training & Testing Institute, Garladinne, Anantapur (A.P.).
- This is a report on Commercial Test of Power Weeder named "**SURYA AGRO, SURYA 9PW POWER WEEDER**". This report is valid up to **31.01.2032**, Vide Ministry's O.M. No. 13-22/2020-M&T (I&P) dated **12.12.2023**.

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

Machine- 723/1825	SURYA AGRO, SURYA 9PW POWER WEEDER	COMMERCIAL (ICT)
	THIS TEST REPORT IS VALID UP TO 31.01.2032	

TESTING AUTHORITY

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

19. APPLICANT'S COMMENTS

Sl. No.	Para No.	Comments
1	18.1.2 & 18.1.4	We will inform it to our manufacturer for making necessary possible changes in the machine.
2	18.2	We will insist strongly to the manufacturer to put some vibration dampeners.
3	18.3	We will inform it to our manufacturer for making necessary possible changes in the machine.
4	18.4	We will make some changes in blade material to meet the hardness and chemical requirements of IS 6690:1981 (Reaffirmed 2022) (Reaffirmed 2004).
5	18.5	Your suggestion is noted, we will modify the labeling plate of machine as per your recommendations.
6	18.6	We will brought out the literature as per IS 8132:1999 (Reaffirmed 2004).