

**THIS TEST REPORT IS VALID UP TO 31.07.2031**



**ROYAL KISSAN AGRO, RK-MS-HP MANUAL SEEDER**



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.)

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IMP-401/1701	ROYAL KISSAN AGRO, RK-MS-HP MANNUAL SEEDER
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COMMERCIAL  
(ICT)



Manufacturer, (apa) : M/s. Shaoxing Nosimon Machinery Co. Ltd.  
Rm 1203-6 Bldg 13int 1 Trade Center Yumin  
Road,1068, Kegiao Street, Kegiao District  
Shaoxing Zhinjang, **China.**

Applicant : M/s. Royal Kissan Agro,  
Plot No. A-18, Dombivali Industrial Area  
Phase 2, Manpada Road, Dombivli East,  
Kalyan, Thane, Maharashtra – 421203.

**ROYAL KISSAN AGRO, RK-MS-HP MANNUAL SEEDER**

Report no.: **IMP-401/1701**

Month: **August**

Year: **2024**



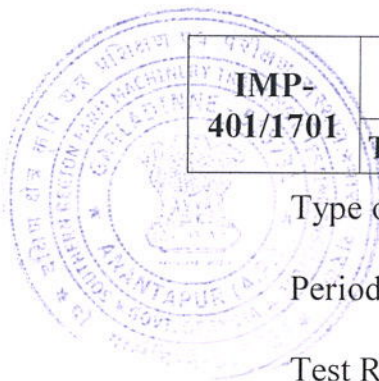
**Government of India**  
**Ministry of Agriculture and Farmers Welfare**  
**Department of Agriculture and Farmers Welfare**  
**Southern Region Farm Machinery Training and Testing Institute**  
**Tractor Nagar, Garladinne-515 731, District: Anantapur (A.P.)**  
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**SOUTHERN REGION FARM MACHINERY TRAINING &  
TESTING INSTITUTE, ANANTAPUR (A.P.)**

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Type of test : COMMERCIAL (ICT)

Period of test : July, 2024

Test Report No. : IMP-401/1701

Month / Year of release : August, 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 Manually Seeder name “ROYAL KISSAN AGRO RK-MS-HP MANNUAL SEEDER”. This report is valid up to 31.07.2031, 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

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1	2	3	4
CI 8.2	The percentage of visible damage to seed in the planter shall not exceed 0.5percent.	Nil to 0.03	Conforms
CI 8.3	The variation in dropping due to box filling at 1/4, 1/2 and 3/4 of rated capacity shall be within $\pm 5$ percent.	0.0 to 5.9	Conforms
CI 8.4	The planter shall be able to sow seed upto 100mm deep.	48	Does not conform
CI 12	<b>Marking and Packing</b>		
CI12.1	<b>Marking</b> Each drill shall be marked with the following particulars: a) Manufacturer's name and trade-mark, b) Model, code and serial number c) Type and size	<b>Manufacturer's name , Type and size are not provided</b>	<b>Does not conform</b>

## 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 Field performance:**
- 10.3.1** The field efficiency was recorded as 85 to 86 %. Which was considered normal.
- 10.3.2** Average depth of sowing was recorded as 44 to 48 mm. Which was considered normal.
- 10.3.3** The average spacing between seeds was recorded as 144 to 148.2 mm. Which was considered normal.
- 10.4 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:

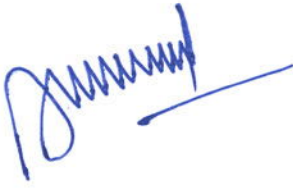

- I) Size
- II) Manufacturer name
- III) Type

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### 10.5 Technical Literature

Operator's manual cum Spare parts catalogue of RK-MS-HP seeder in English were 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	

### 11. APPLICANT COMMENTS

Nil

Annexure-I

### SUMMARY OF STATIONARY CALIBERATION SOYABEAN SEED AT 1.5 KMPH

Level of seed in hopper	Weight of seed from furrow openers, (g)			Seed rate, kg/ha.
	1	Total	Avg.	
Full	34	34	34	44.44
3/4 <sup>th</sup>	33	33	33	43.14
1/2	32	32	32	41.83
1/4 <sup>th</sup>	32	32	32	41.83