

व्यावसायिक परीक्षण रिपोर्ट (प्रारंभिक)  
COMMERCIAL TEST REPORT (INITIAL)

संख्या/No: IMP-399/1688  
माह/Month: August, 2024

**THIS TEST REPORT IS VALID UPTO 31/07/2031**



**REALLY, ONE ROW MANNUAL 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.)

[An ISO 9001:2015 CERTIFIED INSTITUTE]

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

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|              |                                       |            |
|--------------|---------------------------------------|------------|
| IMP-399/1688 | REALLY, ONE ROW MANNUAL SEEDER        | COMMERCIAL |
|              | THIS REPORT IS VALID UP TO 31/07/2031 | (ICT)      |

Manufacturer, (apa) : M/s. Linyi Fengrui Plant Protection Electronic Equipment Co., Ltd. Beneficiary  
Address: The South Side of Middle of Guihua 3 Road New Material Industrial Park, High -Tech Zone, Linyi City,276000, Shandong Pr **China**.

Applicant : M/s. Really Agritech Private Limited  
Building No D/3, Unit No: 13 & 14, Angel Compound Mumbai-Nashik Highway NH 3 Village Pimpalas, Bhiwandi, Thane – 421311, MH. India.

**REALLY, ONE ROW MANNUAL SEEDER**

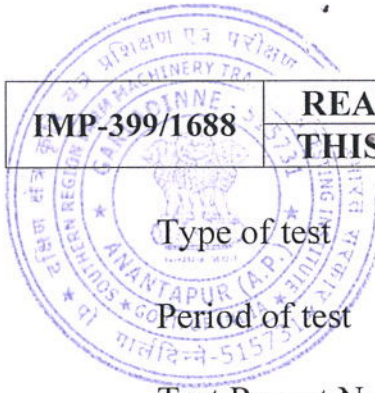
Report No.: **IMP-399/1688**      Month: **August**      Year: **2024**



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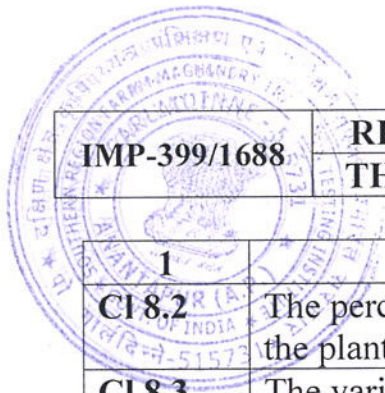
|              |                                       |                  |
|--------------|---------------------------------------|------------------|
| IMP-399/1688 | REALLY, ONE ROW MANNUAL SEEDER        | COMMERCIAL (ICT) |
|              | THIS REPORT IS VALID UP TO 31/07/2031 |                  |

Type of test : COMMERCIAL (ICT)  
 Period of test : February, 2024 to July, 2024  
 Test Report No. : IMP-399/1688  
 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 randomly selected by testing authority through virtual mode.
- 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 “**REALLY, ONE ROW 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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|              | <b>THIS REPORT IS VALID UP TO 31/07/2031</b> |                             |

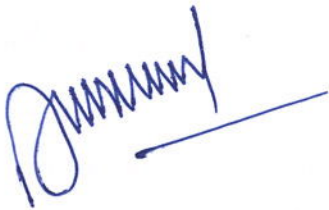

| 1      | 2   | 3                                     | 4                       |
|--------|---|---------------------------------------|-------------------------|
| CI 8.2 | The percentage of visible damage to seed in the planter shall not exceed 0.5percent.  | Nil to 0.1                            | 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.   | 0.2 to 2.5                            | Conforms                |
| CI 8.4 | The planter shall be able to sow seed upto 100mm deep.  | 43                                    | Conforms                |
| CI 12  | <b>Marking and Packing:</b>   |                                       |                         |
| CI12.1 | <b>Marking</b> Each drill shall be marked with the following particulars:<br>a) Manufacturer's name and trade-mark,<br>b) Model, code and serial number<br>c) Type and size | <b>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 79 to 80%.
- 10.3.2 Average depth of sowing was recorded as 42.4 to 43.0 mm.
- 10.3.3 The average spacing between seeds was recorded as 148.8 to 149.6 mm.
- 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) Type
- 10.5 Technical Literature:**  
Operator's manual cum Spare parts catalogue of one row 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.

|              |                                       |                     |
|--------------|---------------------------------------|---------------------|
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### TESTING AUTHORITY

|   |  |
|---|--|
| Er. PRAMOD YADAV<br>AGRICULTURAL ENGINEER |  |
| Dr. B.M. NANDEDE<br>DIRECTOR              |  |



### 11. APPLICANT COMMENTS

| Sl.No | Para No | Comments   |
|-------|---------|--|
| 1     | 10.4    | We will take appropriate action on Marking/Labeling in future products.  |
| 2     | 10.5    | We will provide Operator's manual cum Spare parts catalogue in Hindi and other regional languages as per IS: 8132- 1999 (Reaffirmed 2004) in future lot. |

### Annexure-I

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

| Level of seed<br>in hopper | Weight of seed from furrow openers, (g) |       |       | Seed rate,<br>kg/ha. |
|----------------------------|---|-------|-------|----------------------|
|                            | 1                                       | Total | Avg.  |                      |
| Full                       | 38.24                                   | 38.24 | 38.24 | 49.98                |
| 3/4 <sup>th</sup>          | 38.16                                   | 38.16 | 38.16 | 48.88                |
| 1/2                        | 37.86                                   | 37.86 | 37.86 | 49.49                |
| 1/4 <sup>th</sup>          | 37.28                                   | 37.28 | 37.28 | 48.73                |