

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

संख्या /No: Machine-394/1222  
माह:/Month: November, 2020  
Validity: 31.10.2025



**KUBOTA SPV 8 EIGHT ROW SELF PROPELLED  
RIDE ON RICE TRANSPLANTER**



भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmers Welfare

कृषि, सहकारिता एवं किसान कल्याण विभाग

Department of Agriculture, Cooperation 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/>

E-mail: [fmti-sr@nic.in](mailto:fmti-sr@nic.in)

Tele./FAX: 08551-286441

<b>Machine-394/1222</b>	<b>KUBOTA SPV 8 EIGHT ROW SELF PROPELLED RIDE ON RICE TRANSPLANTER</b>	<b>COMMERCIAL (ICT)</b>
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Manufacturer : M/s. Kubota Agricultural Machinery (Suzhou) Co. Ltd., (KAMS), 77, Uhong East Road, Industrial Park, Suzhou, Jiangsu - 215 026, People's republic of **China**.

Applicant : M/s. Kubota Agricultural Machinery India Pvt. Ltd., Indospace Industrial Park, 104, Building B-500, Unit Nos. A&C, Polivakkam Village, Sri Perumbudur - Thiruvallur main Road, Tiruvallur Dist., Tamil Nadu - 602 002, India.

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- Av. number of plants per hill was recorded as 4.8 to 6.1.
- Av. spacing between hills was recorded as 20.7 to 21.0 cm.
- Av. total number of hills in 5 m row length was recorded as 24.
- Av. number of hills per sq. m. was recorded as 20.
- Av. percentage of missed hills was recorded as nil to 2.
- Av. percentage of floating seedlings was recorded as nil to 1.
- Av. percentage of buried seedlings were recorded as nil to 1
- Av. percentage of damaged seedling were recorded as nil to 1
- The total percentage of transplanting faults was recorded as 1 to 3.
- The consumption of nursery trays was recorded as 178 to 198 numbers per hectare.
- The hourly fuel consumption was recorded as 2.30 to 2.52 l/h and fuel required for planting of one hectare area was recorded as 3.40 to 4.60 l/ha.

**17.2.1** The quality of work was observed as smooth during entire transplanting operation. The overall performance of the machine was found satisfactory.

### **17.3 Components/assembly inspection**

**17.3.1** The transplanter and engine were dismantled after 44.16 hours of operation and wear of critical components were observed within the limits.

**17.3.2** The main gear box, planting box, planting arm drive mechanism and bearings were dismantled after completion of field operation and found in satisfactory working condition and further also found that there is no ingress of water and/or mud against the sealings provided.

### **17.4 Safety provisions**

The machine is provided with various safety provisions while working in the field or moving on the road as mentioned in the **clause 5.11** of this test report.



**17.5** The provided labeling plate should be as per the requirement of IS.

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### 17.6 Technical literature:

Operator's manual, workshop manual and parts catalogue of Rice Transplanter in separate booklets were supplied with the Rice Transplanter for reference during the test. It is however, recommended that the same may be revised in Hindi and other regional languages as per IS 8132 : 1999 (Reaffirmed 2004) for the sake of user & technical personnel.

### TESTING AUTHORITY:

B.N. DIXIT AGRICULTURAL ENGINEER	
Dr. P.P. RAO DIRECTOR	

### 18. APPLICANT'S COMMENTS

Applicant's comments were received & incorporated in the test report.