ANTAM TEST REPORT

ANTAM Logo

Approval Number:
Date of Approval:

Report on test in accordance with ANTAM Test Code ***(Please insert number of the Code)***

PHOTO of the Machine

Make /model of machine

Testing station report number
The date reported on completion of the test

Testing station
-Name
-Address
-Contact

Remarks

- This test report provides the results of the tests conducted in accordance with the ANTAM Test Codes as per version provided in cover page.
- This report is invalid without the official stamp of ANTAM.
- Any amendment to this document is not allowed.
- The data given in this report pertain to the particular machine submitted by the applicant for test

ANTAM TEST REPORT

Product		
	Model	
	Trade Mark	
ANTAM Test Code		
Type of Test	(Commercial/confidential)	
Authorized test center		
	Address	
	Contact Details	
Manufacturer	Address	
	Contact Details	
Test Location		
Period of Test		
Month/ Year		
Number of samples		Date of Manufacture
Serial numbers of machines (highlight the SN of the machine corresponding to the test results)	1.	
	2.	
	3.	
Date of Reception		
Submitted by	Name	Contact No.
Received by	Name	Contact No.

TABLE OF CONTENT

1. Verification of Specifications

No	Description	Manufactures specification	Verification by the testing agency
1.0	**General**		
1.1	Name and address of the manufacturer/s		
1.2	Name and address of the applicant		
1.3	Type		
1.4	Make/brand		
1.5	Model		
1.6	No of rows		
1.7	Serial number		
1.8	Year of manufacture		
1.9	Country of origin		
2.0	**Engine**		
2.1	**Certified test** *(No test necessary if a certified test report is provided by the manufacturer according to either one of the following standard: IS 7374-1974, JB/T 5135.1 or ISO 8178.4-2007)*		
2.2	Type		
2.3	Make/brand		
2.4	Model		
2.5	Country of Manufacture		
2.6	Serial number		
2.7	Rated speed (rpm)		
2.8	Power at rated speed (kW)		
2.9	Specific fuel consumption (g / kWh)		
2.10	Maximum torque (Nm)		
2.11	Fuel tank capacity (liter)		
2.12	Type of fuel filter		
2.13	Type of cooling system and coolant capacity		
2.14	Type of air cleaner		
2.15	Starting system Type Aids for cold starting Any other devices provided for easy starting		
2.16	Type of silencer		
2.17	Electrical system Voltage Output power of generator Details of head lights (number and watt)		
3.0	**Seedling rack**		
3.1	material		
3.2	Width(mm)		
3.3	Height (mm)		
3.4	Nursery feeding type		
4.0	**Planting arm and fork**		

4.1	Type of planting arm (rotary or cranking)		
4.2	No of arms		
4.3	material of fork		
4.4	Length of fork (mm)		
	Width of fork (mm)		
5.0	**Floater**		
5.1	material		
5.2	Center floater (L x W x T(mm))		
5.3	Outer floater (L x W x T(mm))		
5.4	Width (mm)		
5.5	No of floaters		
6.0	**Wheel**		
6.1	material		
6.2	Width (mm)		
6.3	Diameter (mm)		
7.0	**Handle**		
7.1	Width / diameter (mm)		
7.2	Type of grip for prevention of slipping		
7.3	material of grip		
8.0	**Power transmission system**		
8.1	Type		
8.2	material		
9.0	**Operator's seat for riding type**		
9.1	Type		
9.2	Adjustable (yes or no) (Up-down; forward – backward)		
10.0	**Overall dimension**		
10.1	Length (mm)		
10.2	Height (mm)		
10.3	Width (mm)		
10.4	ground clearance (mm)		
11.0	**Weight**		
11.1	Total weight (kg)		
12	Spare trays		
12.1	No. of spare trays		
13.0	Publications		
13.1	Operator's manual		
13.2	Service Manual		
13.3	Parts catalogue		
13.4	Safety Precautions		

2. Measuring Equipment /instruments Used

Equipment	Model	Purpose	Accuracy

3. Safety Requirements

I. Safety Protection (Yes – Y, No – N, Not Applicable – NA)

No	Requirement	Observation Y / N / NA	Remarks
3.1	The exposed transmission parts, rotating parts should have protective cover		
3.2	The position and the direction of the exhaust port shall avoid the driver and other operators who are supposed to stand on the machine.		
3.3	The operator work floor should be flat and non-slip		
3.4	The row marker shall be able to firmly lock		
3.5.1	The operation symbols should be pasted near the key controls		
3.5.2	There should be a minimum gap of at least 25mm between the control levers.		
3.6	The pedal should have non-slip surface and easy to clean		
3.7	The positive pole of the battery should have the protective cover to prevent the short circuit		
3.8	Riding type transplanters should be equipped with a footsteps on both sides		
3.9	All exposed sharp edges and corners should have smooth finishings		
3.10	Transplanters should be equipped with a front side and a rear side light		
3.11.1	Dangerous moving parts must be indicated by safety signs		
3.11.2	Warning signs and safety precautions should appear in the operating manual		
3.13.	The Trans-planter should be equipped with a reverse horn.		

II. Safety Performance

3.13 Parking

Trans-planter Direction	Angle of the Slope	Observation
Downwards	18%	
Upwards	18%	

Remarks:

3.14 Noise Level measurement

Measuring Position	Noise level	Permissible limit
Left Ear side of the operator		90 dB(A)

Right Ear side of the operator		90 dB(A)

Remarks:

4. Performance test

Test 01		
General Data	Date	
	Location	
Condition of Seedlings	Age of seedlings	
	Variety	
	Plant density (No. of plants per cm^2)	
	Leaf stage (No. of leaves)	
	Height of seedlings (mm)	
	Thickness of seedling mat (mm)	
	Soil type of seedling mat	
Condition of Field	Shape	
	Area (L x W), m^2	
	Soil Type	
	Soil hardness (Cone depth, mm) (Drop cone test)	
	Depth of hard pan (mm)	
	Depth of water during transplanting (mm)	
	Qualitative assessment (leveling, stubble)	
Performance of the Machine	Average operating speed (m/s)	
	Theoretical field capacity (ha/h)	
	Actual field capacity (ha/h)	
	Field efficiency (%)	
	Fuel Consumption (l/ha, g/ha)	
	Wheel Slippage (%)	
Planting quality	Distance between hills (mm)	
	Coefficient of Variation of distance between hills	
	Depth of planting (mm)	
	Coefficient of Variation of depth of planting	
	No of Seedlings per hill	
	Coefficient of Variation of seedlings per hill	
	Standing angle of planting	
	No. of hills per m^2	
	Percentage of Missing hills	
	Percentage of Floating hills	
	Percentage of Buried hills	
	Percentage of Damaged hills	
	Effective working width (m)	

Test 02		
General	Date	

Data	Location	
Condition of Seedlings	Age of seedlings	
	Variety	
	Plant density (No. of plants per cm^2)	
	Leaf stage (No. of leaves)	
	Height of seedlings (mm)	
	Thickness of seedling mat (mm)	
	Soil type of seedling mat	
Condition of Field	Shape	
	Area (L x W), m^2	
	Soil Type	
	Soil surface hardness (Cone depth, mm) (Drop cone test)	
	Depth of hard pan (mm)	
	Depth of water during transplanting (mm)	
	Qualitative assessment (leveling, stubble)	
Performance of the Machine	Average operating speed (m/s)	
	Theoretical field capacity (ha/h)	
	Actual field capacity (ha/h)	
	Field efficiency (%)	
	Fuel Consumption (l/ha ,g/ha)	
	Wheel Slippage (%)	
Planting quality	Distance between hills (mm)	
	Coefficient of Variation of distance between hills	
	Depth of planting (mm)	
	Coefficient of Variation of depth of planting	
	No of Seedlings per hill	
	Coefficient of Variation of seedlings per hill	
	Standing angle of planting	
	No. of hills per m^2	
	Percentage of Missing hills	
	Percentage of Floating hills	
	Percentage of Buried hills	
	Percentage of Damaged hills	
	Effective working width (m)	

Test 03		
General Data	Date	
	Location	
Condition of Seedlings	Age of seedlings	
	Variety	
	Plant density (No. of plants per cm^2)	
	Leaf stage (No. of leaves)	
	Height of seedlings (mm)	
	Thickness of seedling mat (mm)	
	Soil type of seedling mat	

Condition of Field	Shape	
	Area (L x W), m^2	
	Soil Type	
	Soil surface hardness (Cone depth, mm) (Drop cone test)	
	Depth of hard pan (mm)	
	Depth of water during transplanting (mm)	
	Qualitative assessment (leveling, stubble)	
Performance of the Machine	Average operating speed (m/s)	
	Theoretical field capacity (ha/h)	
	Actual field capacity (ha/h)	
	Field efficiency (%)	
	Fuel Consumption (l/ha ,g/ha)	
	Wheel Slippage (%)	
Planting quality	Distance between hills (mm)	
	Coefficient of Variation of distance between hills	
	Depth of planting (mm)	
	Coefficient of Variation of depth of planting	
	No of Seedlings per hill	
	Coefficient of Variation of seedlings per hill	
	Standing angle of planting	
	No. of hills per m^2	
	Percentage of Missing hills	
	Percentage of Floating hills	
	Percentage of Buried hills	
	Percentage of Damaged hills	
	Effective working width (m)	

Remarks and Suggestions

Signature of test engineer
Address:

Signature of Head of Testing Station
Address:

Date:
Official seal/stamp of the testing station