



व्यावसायिक परीक्षण रिपोर्ट
COMMERCIAL TEST REPORT

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माह / Month: January, 2014



Spring Tyne Cultivator SC1209, GREENSYSTEM

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1818
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सत्तमेव जयते

भारत सरकार

GOVT OF INDIA

कृषि मन्त्रालय

MINISTRY OF AGRICULTURE

कृषि एवं सहकारिता विभाग

DEPARTMENT OF AGRICULTURE AND COOPERATION

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4. SPECIFICATIONS**4.1 General:**

Manufacturer	:	M/s Dasmesh Mechanical Works Maler Kotla Road, Amargarh Dist.: Sangrur ,Punjab-148022
Name of machine	:	Cultivator
Make	:	GREENSYSTEM
Model	:	SC1209
Type	:	Spring loaded
Serial number	:	1PYSC12AED90000109
Year of manufacture	:	Not provided
Working width of implement (mm)	:	1880
Recommended power source	:	Not recommended
Prime mover used during test	:	John Deere 5310 Tractor

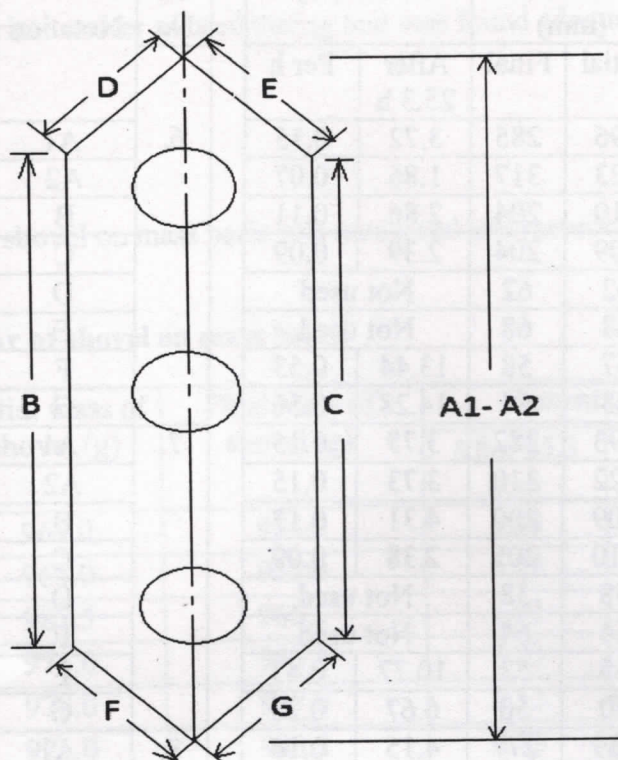


Fig. 5: REVERSIBLE SHOVEL

8. EASE OF OPERATION & ADJUSTMENTS

No noticeable difficulty was observed during the operation and adjustment of cultivator.

9. DEFECTS, BREAKDOWNS AND REPAIRS

No breakdown was occurred during 25.3 h of field test of the cultivator.

10. COMMENTS AND RECOMMENDATIONS

- 10.1 The specifications of implement hitch, does not conform with IS: 4468 – 1997 (Part-1). Hence, it is recommended to look into at production level for standardization.
- 10.2 The specification of the reversible shovel and tyne does not conform to IS: 6023-1970. This should be looked into at future production level.
- 10.3 Chemical composition of rotor blades does not conform to relevant Indian Standards. This needs to be looked into for corrective action.



10.4 Size of implement and power requirement should also be indicated on the labeling plate.

10.5 **Technical literature:**

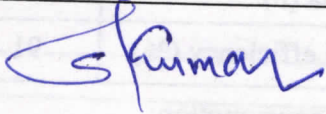
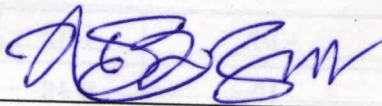
Only parts catalog was provided with the implement. Hence, it is recommended that Instruction manual should also be provided with the implement. It is also recommended to bring out the manuals in Hindi and other vernacular languages as per IS: 8132-1999.

The tractor(s), with which implement is considered suitable for operating in the field, should be prominently mentioned in the technical literature.

11. APPLICANTS COMMENTS

Para No.	Our Reference	Applicant's comments
11.1	10.1	We agree with the recommendations and will provide implement hitch for cultivators conforms to IS:4468 – 1997 (part-I).
11.2	10.2	We agree with the recommendations on the reversible shovel and will make necessary corrections to dimensions of shovels to conform to IS: 6023 – 1970.
11.3	10.3	We agree with the recommendation and will provide shovels conforms to IS standards.
11.4	10.4	We agree with the recommendations and will mention the power required on implement.
11.5	10.5	We agree with the recommendations and will provide the booklet in Hindi and other local languages. Booklet will include tractor compatibility sheet.

TESTING AUTHORITY

SANJAY KUMAR AGRICULTURAL ENGINEER	
M. K. VISHWAKARMA DIRECTOR	

Test conducted and report compiled by

: P.C. DIHINGIA
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SENIOR TECHNICAL ASSISTANT (Inst.)