



**Rigid Tyne Cultivator RC1009, GREENSYSTEM**



सत्यमेव जयते

NERFMTTI, LIBRARY  
T R. No. 2800  
Date- 28/10/16

भारत सरकार  
GOVT OF INDIA  
कृषि मन्त्रालय

MINISTRY OF AGRICULTURE

कृषि एवं सहकारिता विभाग

DEPARTMENT OF AGRICULTURE AND COOPERATION

उत्तर पूर्वी क्षेत्र कृषि यंत्र प्रशिक्षण एवं परीक्षण संस्थान

NORTH EASTERN REGION FARM MACHINERY TRAINING & TESTING INSTITUTE

विश्वनाथ चारिआलि, जिला-शोणितपुर (असम)

BISWANATH CHARIALI :: SONITPUR :: ASSAM, PIN - 784 176

Ph. No. 03715-222094

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

Fax No: 03715-230358

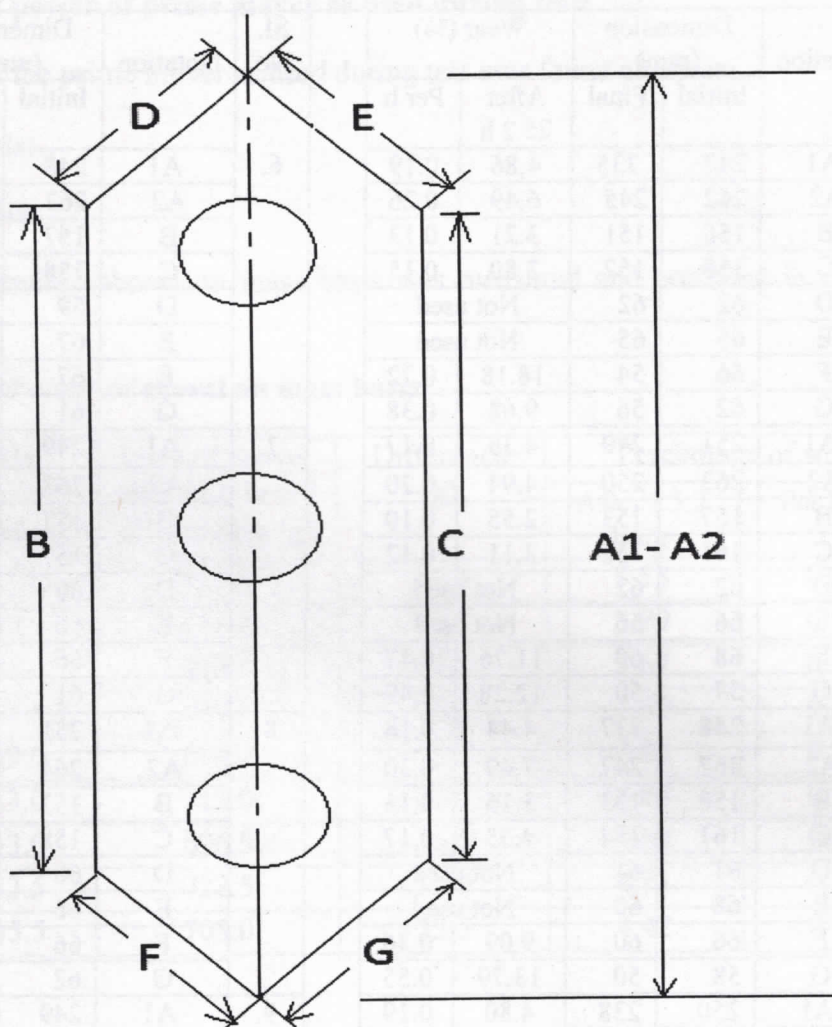
E-Mail: [fmti-ner@nic.in](mailto:fmti-ner@nic.in)

#### 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	:	RC1009
Type	:	Rigid
Serial number	:	Not provided
Year of manufacture	:	Not provided
Working width of implement (mm)	:	1895
Recommended power source	:	Not recommended
Prime mover used during test	:	New Holland 5500 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 25.2 hr 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.

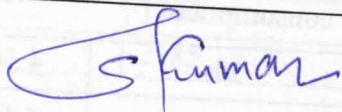
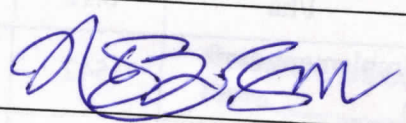


- 10.2 The specification of the reversible shovel and tyne does not conform to IS: 6023-1970. This should be looked into at future production level.
- 10.3 Chemical composition of rotor blades does not conform to relevant Indian Standards. This needs to be looked into for corrective action.
- 10.4 Size 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 will provide implement hitch for cultivators conforms to IS:4468 – 1997 (part-I).
11.2	10.2	We will make necessary corrections to dimensions of shovels to conforms to IS: 6023 – 1970.
11.3	10.3	We will provide shovels confirms to IS standards.
11.4	10.4	We will incorporate the size of implement and power on the labelling plate.
11.5	10.5	We will provide the booklet in Hindi and other local languages. Booklet will include tractor compatibility sheet.

**TESTING AUTHORITY**

<b>SANJAY KUMAR AGRICULTURAL ENGINEER</b>	
<b>M. K. VISHWAKARMA DIRECTOR</b>	

Test conducted and report compiled by : **P.C. DIHINGIA**  
**ASSISTANT AGRIL. ENGINEER**