

New Swan (NSE RT 175) "Super Series" Rotavator



सत्यमेव जयते

भारत सरकार

GOVT OF INDIA

कृषि मन्त्रालय

MINISTRY OF AGRICULTURE

कृषि एवं सहकारिता विभाग

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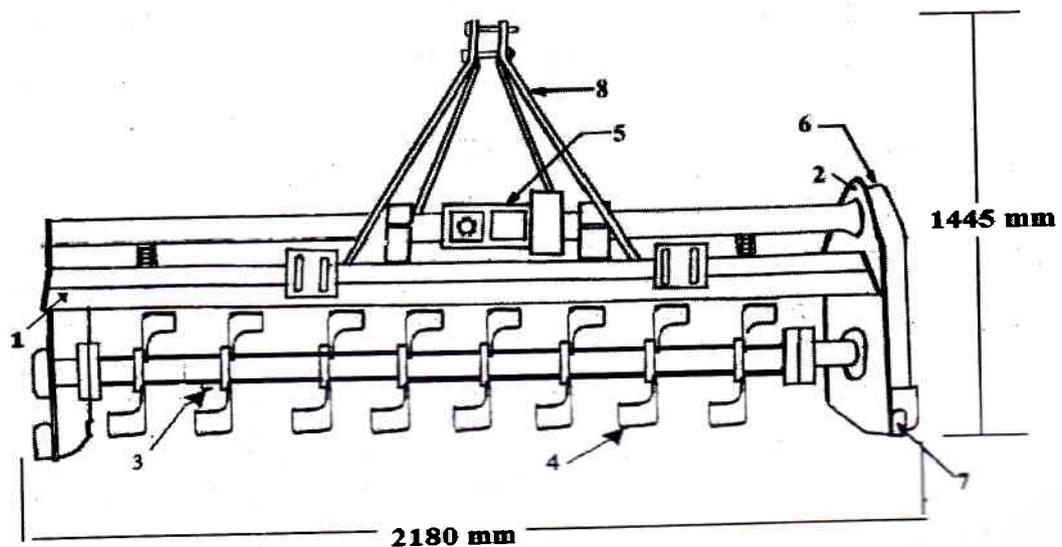
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4. SPECIFICATIONS

4.1 General:	
Manufacturer	: New Swan Enterprises Agro Division, C-213, Phase-8, Focal point, Ludhiana, Punjab-141010
Name of machine	: Rotavator
Make	: NEW SWAN
Model	: NSE RT 175 "Super Series" Rotavator
Type	: Gear Drive
Serial number	: NSE 006405
Year of manufacture	: 2013
Type of blade	: Hatchet (L-Type)
Working width of implement(mm)	: 1750
Recommended power source	: 45-55 hp Tractor
Prime mover used during test	: John Deere 5310 Tractor

4.2 Constructional Details (Refer Fig.1):**Fig.1: NEW SWAN (NSE RT 175) "Super Series" Rotavator**

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Sl. No.	Location	Whether ingress of mud and/or water was observed (Yes/No)
1.	Primary reduction gear box	No
2.	Secondary reduction gear box	No
3.	Rotor assembly (hub)	No

9. EASE OF OPERATION & ADJUSTMENTS

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

10. DEFECTS, BREAKDOWNS AND REPAIRS

No noticeable defect or breakdown was observed during 41.3 hours of field operation.

11. COMMENTS AND RECOMMENDATIONS

- 11.1 The specifications of implement hitch does not conform to the IS: 4468 (Part-1)-1997. Hence, it is recommended that implement should be provided with the hitch conforming to relevant Indian Standards.
- 11.2 Dimensions of PIC of implement does not conform to IS:4931-1995 and therefore, it should be looked into for corrective action.
- 11.3 Chemical composition of rotor blade does not conform to IS: 6690-2002. This needs to be looked into for corrective action in production level.
- 11.4 Requirement power should also be indicated on the labeling plate.
- 11.5 **Technical literature:**
A booklet, named Instruction manual and Parts list was provided for reference during testing.

However, it is recommended to bring out the manuals also in Hindi and other vernacular languages as per IS: 8132-1999.

12. APPLICANT'S COMMENTS

The applicant has no comments on the machine.