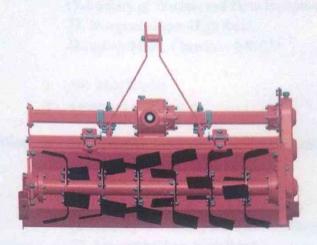
No: LD/FMTC, TRICHY/2025-26/20/93/127

Month: July, 2025

BATCH TEST REPORT
(THIS TEST REPORT VALID UPTO: 20 /07/2034)



TAFE AGRISTAR 612 MS - 24 BLADE SINGLE SPEED ROTARY TILLER





FARM MACHINERY TESTING CENTRE

DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING

AGRICULTURAL ENGINEERING COLLEGE AND RESEARCH INSTITUTE

TAMILNADU AGRICULTURAL UNIVERSITY

KUMULUR – 621712, TRICHY DISTRICT (TAMIL NADU)

AN IDENTIFIED TESTING CENTRE

of

GOVERNMENT OF INDIA

MINISTRY OF AGRICULTURE AND FARMERS WELFARE

(DEPT. OF AGRICULTURE COOPERATION AND FARMERS WELFARE)

Approved by Govt. of India Vide letter No. F.No 8-1/2004-My (I&P) Dated:14.09.2010)

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DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING

AGRICULTURAL ENGINEERING COLLEGE & RESEARCH INSTITUTE, TNAU, KOMULER ACTION TRICHY DISTRICT, TAMIL NADU.

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### TAFE AGRISTAR 612 MS - 24 BLADE SINGLE SPEED ROTARY TILLER

Manufacturer

: M/s .Tractors and Farm Equipment Limited, 77, Nungambakkam High Road,

Nungambakkam, Chennai – 600 034 M/s. TAFE Motors & Tractors Limited,

(Subsidiary of Tractors and Farm Equipment Limited),

77, Nungambakkam High Road, Nungambakkam, Chennai – 600 034

Telephone number

: +91 9444788445

e-mail address

: narayanan.r@tafe.com

Subsidiary & Affiliated Office in India

: M/s .Tractors and Farm Equipment Limited,

77, Nungambakkam High Road, Nungambakkam, Chennai – 600 034 M/s. TAFE Motors & Tractors Limited,

(Subsidiary of Tractors and Farm Equipment Limited),

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Telephone number e-mail address

: +91 9444788445

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# TAFE AGRISTAR 612 MS - 24 BLADE SINGLE SPEED ROTARY TILLER

Report No: LD/FMTC, TRICHY/2025-26/20/93/127

Month: July

Year: 2025





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TRICHY DISTRICT, TAMIL NADU.

# TAFE AGRISTAR 612 MS - 24 BLADE SINGLE SPEED ROTARY TILLER

| Type of test      | :         | BATCH TEST  |  |
|-------------------|-----------|---|--|
| Name of machine   | :         | TAFE AGRISTAR 612 MS – 24 BLADE SINGLE SPE<br>ROTARY TILLER |  |
| Test Report No    | :         | LD/FMTC, TRICHY/2025-26/20/93/127                           |  |
| Test requested by | :         | M/s .Tractors and Farm Equipment Limited,                   |  |
|                   |           | 77, Nungambakkam High Road,                                 |  |
|                   |           | Nungambakkam, Chennai - 600 034                             |  |
|                   |           | M/s. TAFE Motors & Tractors Limited,                        |  |
|                   | -         | (Subsidiary of Tractors and Farm Equipment Limited),        |  |
|                   | Charles . | 77, Nungambakkam High Road,                                 |  |
|                   |           | Nungambakkam, Chennai - 600 034                             |  |
| Testing Authority | :         | Farm Machinery Testing Centre,                              |  |
| Special carbons   |           | Department of Farm Machinery and Power Engineering          |  |
|                   |           | Agricultural Engineering College & Research Institute,      |  |
|                   |           | Tamil Nadu Agricultural University,                         |  |
|                   |           | Kumulur – 621 712, Trichy District.                         |  |
| Period of Test    | :         | June 2025   |  |

- This Test Report should not be reproduced in part or full without prior permission of the Dean, Farm Machinery Testing Centre, Agricultural Engineering College & Research Institute, Kumulur- 621712
- The data given in the Test Report pertain to the particular machine submitted for test by the Applicant.
- The data collected during the test do not in any way attribute to the durability of the machine.
- The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.

## SELECTED CONVERSIONS

| S.No           | Units                 | Conversion Factor ABBREVAT    |                   | TIONS   |
|----------------|-----------------------|-------------------------------|-------------------|---------|
| 1.<br>2.<br>3. | Force                 |                               | Full form         | Symbols |
|                | 1 kgf                 | 9.80665 N                     | As per applicant  | apa     |
|                |                       | 2.20462 lb                    | Average           | Av      |
|                | Power                 |                               | Hectare           | ha      |
|                | 1 hp                  | 1.01387 metric hp (Ps)        | Rockwell Hardness | HRC     |
|                |                       | 745.7 W                       | Brinell Hardness  | HB      |
|                | 1 Ps                  | 735.5 W                       | Diameter          | Dia     |
|                |                       | 1.35965 Ps                    | Indian Standard   | IS      |
|                | A B TI                |                               | Mild Steel        | MS      |
|                | Pressure              | 6.895 kPa                     | Not Applicable    | N.A.    |
|                | 1 psi                 | 98.067 kPa= 735.56 mm of Hg   | Not Provided      | N.P.    |
|                | 1 kgf/cm <sup>2</sup> | 100 kPa= 10 N/cm <sup>2</sup> | Revolutions per   | rpm     |
|                | 1 bar                 | 100 kPa= 10 N/cm              | minute            | 1.1     |
|                | 1 mm of Hg            | 1.3332 m-bar                  | Power take-off    | P.T.O.  |

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AGRICULTURAL ENGINEERING COLLEGE & RESEARCH INSTITUTE, TNAU, KUMUED
TRICHY DISTRICT, TAMIL NADU.

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# TAFE AGRISTAR 612 MS – 24 BLADE SINGLE SPEED ROTARY TILLER

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DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING

AGRICULTURAL ENGINEERING COLLEGE & RESEARCH INSTITUTE, TNAU, KUNTULGO TRICHY DISTRICT, TAMIL NADU.

### TEST CONDUCTED BY

| Er. V. Kavipriya<br>Test Engineer   | Day thing? |
|---|------------|
| Date of mailing to Director, SRFMTTI, Tractor Nagar, Garladinne, Anantapur, AP. | 01.07.2025 |
| REMARKS received if any   |            |

#### TESTING AUTHORITY BY

| Dr.R.Thiyagarajan   |            |
|---|------------|
| Principal Investigator (FMTC),<br>Associate Professor & Head,   | (1)        |
| Dept. of Farm Machinery & Power Engineering, Agricultural Engineering College & Research Institute, Kumulur - 621 712 | Janual 2/2 |
| Dr. P. Kamaraj<br>Co-Principal Investigator (FMTC),   | 0          |
| Associate Professor (Farm Machinery), Dept. of Farm Machinery & Power Engineering,                                    | sour Lynn  |
| Agricultural Engineering College & Research<br>Institute, Kumulur - 621 712   | a n        |

(THIS TEST REPORT VALID UPTO: 20 / 07 /2034)

AEC & RI, Kumulur

FARM MACHINERY TESTING CENTRE DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING AGRICULTURAL ENGINEERING COLLEGE & RESEARCH INSTITUTE, TNAU, KUMUL TRICHY DISTRICT, TAMIL NADU.