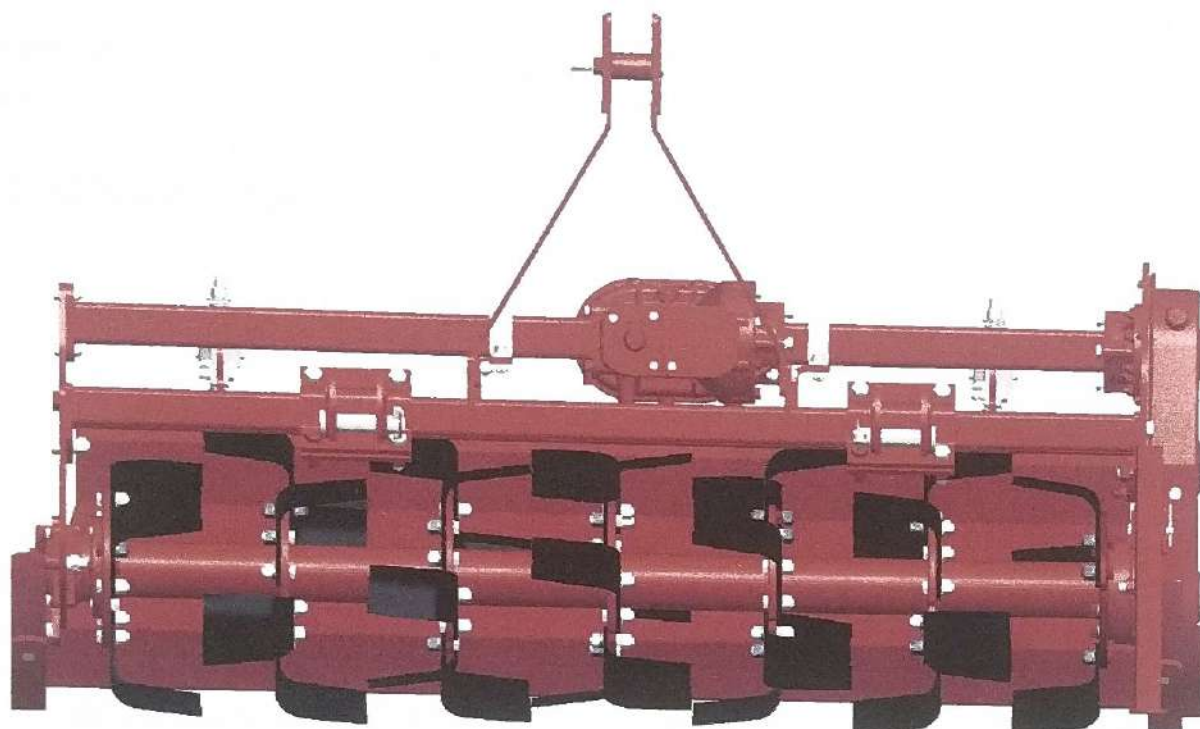


No:LD/FMTC, TRICHY/2025-26/06/79/113

Month:May, 2025

BATCH TEST REPORT
(THIS TEST REPORT VALID UPTO :08/06/ 2034)



TAFE AGRISTAR 615 DX 36 BLADE MULTISPEED ROTARY TILLER



FARM MACHINERY TESTING CENTRE
DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING
AGRICULTURAL ENGINEERING COLLEGE AND RESEARCH INSTITUTE
TAMIL NADU AGRICULTURAL UNIVERSITY
KUMULUR – 621712, TRICHY DISTRICT

Telephone : 0431-2545000

Website : www.tnau.ac.in

E-mail: deancaekum@tnau.ac.in

FARM MACHINERY TESTING CENTRE
DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING
AGRICULTURAL ENGINEERING COLLEGE & RESEARCH INSTITUTE, TNAU, KUMULUR-621712,
TRICHY DISTRICT, TAMIL NADU.



TAFE AGRISTAR 615 DX 36 BLADE MULTISPEED 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),
77, Nungambakkam High Road,
Nungambakkam, Chennai – 600 034

Telephone number : +91 9444788445
e-mail address : narayanan.r@tafe.com

TAFE AGRISTAR 615 DX 36 BLADE MULTISPEED ROTARY TILLER

Report No:LD/FMTC, TRICHY/2025-26/06/79/113

Month:May

Year: 2025



**FARM MACHINERY TESTING CENTRE
DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING
AGRICULTURAL ENGINEERING COLLEGE AND RESEARCH INSTITUTE
TAMILNADU AGRICULTURAL UNIVERSITY
KUMULUR – 621712, TRICHY DISTRICT**

Telephone : 0431-2545000
Website : www.tnau.ac.in

E-mail: deancaekum@tnau.ac.in

**FARM MACHINERY TESTING CENTRE
DEPARTMENT OF FARM MACHINERY AND POWER ENGINEERING
AGRICULTURAL ENGINEERING COLLEGE & RESEARCH INSTITUTE, TNAU, KUMULUR-621712,
TRICHY DISTRICT, TAMIL NADU.**



TAFE AGRISTAR 615 DX 36 BLADE MULTISPEED ROTARY TILLER

Type of test	:	BATCH TEST
Name of machine	:	TAFE AGRISTAR 615 DX 36 BLADE MULTISPEED ROTARY TILLER
Test Report No	:	LD/FMTC, TRICHY/2025-26/06/79/113
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), 77, Nungambakkam High Road, Nungambakkam, Chennai – 600 034
Testing Authority	:	Farm Machinery Testing Centre, Agricultural Engineering College & Research Institute, Tamil Nadu Agricultural University, Kumalur – 621 712, Trichy District
Period of Test	:	February-March 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, Kumalur- 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	ABBREVIATIONS	
1.	Force		Full form	Symbols
	1 kgf	9.80665 N	As per applicant	apa
		2.20462 lb	Average	Av
2.	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 kW	1.35965 Ps	Indian Standard	IS
3.	Pressure		Mild Steel	MS
	1 psi	6.895 kPa	Not Applicable	N.A.
	1 kgf/cm ²	98.067 kPa= 735.56 mm of Hg	Not Provided	N.P.
	1 bar	100 kPa= 10 N/cm ²	Revolutions per minute	rpm
	1 mm of Hg	1.3332 m-bar	Power take-off	P.T.O.



CONTENTS

S.No	Contents	Page No
1.	Scope of test	1
2.	Test procedure/Codes	1
3.	Method of selection	1
4.	Specifications	1
5.	Running - In and Preliminary Adjustments	12
6.	Conformity To Indian Standard	12
7.	Laboratory test	15
8.	Field test	16
9.	Rate of work	18
10.	Ease of operation and adjustments	19
11.	Defects, Breakdown & Repairs	19
12.	Wear of blades on mass basis	20
13.	Summary of observation, comments & recommendations	21
14.	Applicant's Comments	21




THE MULTI / SINGLE SPEED ROTARY TILLER

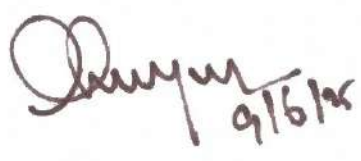
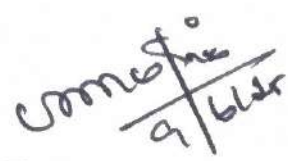
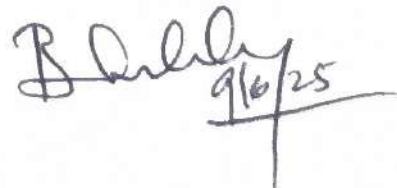
TAFE AGRISTAR 615 DX 36 BLADE MULTISPEED ROTARY TILLER

33

TEST CONDUCTED BY

Er. V. Kavipriya Test Engineer	
Date of mailing to Director, SRFMTTI, Tractor Nagar, Garladinne, Anantapur, AP.	 19.05.2025
REMARKS received if any	-

TESTING AUTHORITY BY

Dr.R.Thiyagarajan Principal Investigator (FMTC), Associate Professor & Head, Dept. of Farm Machinery & Power Engineering, Agricultural Engineering College & Research Institute, Kumulur - 621 712	 9/6/25
Dr. P. Kamaraj Co-Principal Investigator (FMTC), Associate Professor (Farm Machinery), Dept. of Farm Machinery & Power Engineering, Agricultural Engineering College & Research Institute, Kumulur - 621 712	 9/6/25
Dr. P. Dhananchezhian Co-Principal Investigator (FMTC), Assistant Professor (Farm Machinery), Dept. of Farm Machinery & Power Engineering, Agricultural Engineering College & Research Institute, Kumulur - 621 712	 9/6/25

(THIS TEST REPORT VALID UPTO: 08/06/2034)


Dean
AEC & RI, Kumulur

