

DEPARTMENT OF AGRICULTURAL STATISTICS

COLLEGE OF AGRICULTURE

NAVSARI AGRICULTURAL UNIVERSITY, WAGHAI

The Department of Agricultural Statistics was established in the year 2012 in College of Agriculture, Navsari Agricultural University, Waghai, Gujarat. The department was engaged in teaching for both under-graduate and post-graduate level. The department also provides Statistical advisory service to the researchers of the university.

Currently the faculty of department contributing a major part and helps in formulating experimental designs, statistical data analysis of various PG research and departmental projects. Various softwares are available in the department viz. SAS, SPSS, R, R studio, STAR, SPAR, DARwin, Indostat for the analysis purpose.

MANDATE

Teaching and research related to Agricultural Statistics, Experimental Designs and Application of Computer in Agricultural Fields, providing advisory services to Researchers, Scientists and Technical Staff members of university. Providing the guidance to PG students for successful planning and conducting of their experiment, data analysis and interpretation of the results which obtained from research activity of various disciplines.

ACADEMIC ACTIVITIES

Teaching (UG)

Following courses offered during even and Odd Semester:

Ag. Stat. 7.3	RAWE Teaching and other courses as per the requirement
Ag. Stat. 2.2	Statistical Methods (2+1): Degree Course
Ag. Stat. 5.2	Statistical Methods (2+1): Diploma Course (Polytechnic in Agriculture, Waghai)
Stat. 301	Biostatistics (2+1): ASBI, NAU, Surat.

Teaching (PG)

Following PG courses of NMCA has been taken by the faculty of Agricultural Statistics during even and Odd Semester:

Ag. Stat. 533	Statistical Methods for Crop Protection – I
Ag. Stat. 534	Statistical Methods for Crop Protection-II
Ag. Stat. 561	Statistical Methods
Ag. Stat. 563	Multivariate Analysis
Ag. Stat. 565	Sampling Techniques

DEPARTMENTAL ACTIVITIES

The departmental staff involved in guiding & attending all the PG seminar, make contribution in publishing College/university Magazine every year. Also acting as Statistician in AGRESCO of different sub-committees. The department provide the facility for experimental data analysis of P.G. students & various research projects of NAU. Involved in the planning of research experiments, guidance and advice in all regards to scientists and all P.G. students of NAU, Navsari

RESEARCH ACTIVITIES

Agricultural Research Sub Committee (AGRESCO) is a State Agricultural University level platform for conducting various departmental research activities. Department of Agricultural Statistics comes under Social Science group. Under this department has submitted and presented the report of the research Programme undertaken in the previous year as well as propose New Technical Programme for the next year. Department also looking forward for external funded projects viz. under Tribal Sub Plan.

List of the Technical Programme since 2012

Sr. No.	PI	Title	Year	Status
1.	Dr. Y. A. Garde	Pre harvest forecasting of Ragi (Hill Millet) in Dang district	2014	Concluded
2.	Dr. Y. A. Garde	Forecasting of rice (<i>Oriza sativa</i>) yield using ordinal logistic regression	2016	Completed & gave recommendation for scientific community in 18th AGRESCO
3.	Dr. Y. A. Garde	Crop yield forecast models using different linear and non-linear approach	2017	Concluded
4.	Dr. Y. A. Garde	Response surface methodology approach to the optimization of yield of little millet (Vari) under rainfed condition	2018	Dropped
5.	Mr. Nitin Varshney	Estimation of Cotton Yield using Two-Phase Sampling approach	2020	Ongoing