

**List of Theses, Department of Agricultural Statistics
M. Sc. (Agri.)**

Sr. No.	Title of Thesis	Name of Student	Major Advisor	Year
1	Studies of certain qualitative and quantitative characters in crosses of Okra (<i>Hibiscus esculentus. L.</i>)	Mr. R. M. Patel	-----	1953
2	Selection of among factorially classified variables	Mr. R. M. Patel	C. C.Cockerham	1962
3	Prediction of lactation milk yield of an individual cow of kankrej herd	Mr. K. M. Shah	Dr.R. M. Patel	1966
4	Sampling in field experiments for chemical ananalysis	Mr. H. B. Patel	Dr. R. M. Patel	1966
5	Plot technique in Bajri (<i>Pennisetumtyphoides</i> S & H)	Mr. N. M. Patel	Dr. R. M. Patel	1967
6	Effect of certain weather factors on the yield of Vijalpa Cotton (<i>G. herbaceum</i>) at surat farm	Mr. M. R. Vaishnav	Dr. R. M. Patel	1967
7	Nonparametric tests A tool for statistical analysis of field experiments	Mr. T. J. khatri	Dr. R. M. Patel	1967
	A statistical study of the behaviour of different varieties of Wheat and Paddy over locations and years	Mr. T. C. Motwani	Dr. R. M. Patel	1967
9	Agricultural drought in relation to Bidi Tobacco at anand	Mr. A. N. Mehta	Dr. R. M. Patel	1967
10	Studies of inter-plot competition effects in Bajri (<i>Pennisetumtyphoides</i> S & H) and Wheat (<i>Triticumvulgare</i> , Vill)	Mr. D. H. Patel	Dr. R. M. Patel	1968
11	Empirical evaluation of statistical procedures to analyse Non-Orthogonal data	Mr. B. B. Patel	Dr. R. M. Patel	1968
12	Empirical studies to estimate the damage caused by shoot and fruit borer (<i>Leucinodesorbonalis</i> G.) of Brinjal	Mr. J. K. Patel	Dr. R. M. Patel	1968
13	Normal values in Lucerne (<i>Medicagosativa</i>), A forage crop	Mr. B. M. Dhami	Dr. R. M. Patel	1968
14	Comparative study of three auxiliary varieties for estimation of area under hybrids in Maharashtra State	Mr. E. D. Borole	Dr. R. M. Patel	1971
15	A study of the influence of the weather factors on the green yield	Mr. V. R. karandikar	Dr. R. M. Patel	1971

	of RabiJowar (<i>S. vulgare</i> , Pers.) at Sholapur (Maharashtra)			
16	A study on wastage and prediction of student achievement in an agricultural college- A discriminant function approach	Mr. M. Murugesan	Dr. R. M. Patel	1971
17	Comparative study of wastage in agricultural colleges of Gujarat state	Mr. R. S. Patel	Dr. R. M. Patel	1972
18	Genetic variability studies in Cowpea (<i>Vignasinensis</i> , L.) through diallel crosses	Mr. M. M. K. Durga Prasad	Dr. R. M. Patel	1972
19	Study of border effects in Cotton I.A.N.-579/188	Mr. H. C. Desai	Dr. R. M. Patel	1974
20	Gap study in Bidi Tobacco (<i>Nicotianatabacum</i> L.)	Mr. M. J. Buch	Shri N. M. Patel	1977
21	Statistical assessment of sowing periods for Cotton and Jowar crops in viramgam area	Mr. G. R. Patel	Prof. J. K. Patel	1978
22	Plot size study in Bidi Tobacco (<i>Nicotianatabacum</i> L.)	Mr. B. H. Prajapati	Dr. N. M. Patel	1981
23	Evaluation of different statistical models for pre-harvest forecasting of Groundnut (<i>Arachis hypogea</i> L.)	Mr. P. R. Vaishnav	Dr. R. M. Patel	1982
24	Irrigation border effect in Bidi Tobacco (<i>Nicotianatabacum</i> L.)	Mr. J. K. Patel	Dr. N. M. Patel	1982
25	Variability in Bidi Tobacco (<i>Nicotianatabacum</i> L.)germplasm	Mr. K. R. Patel	Dr. N. M. Patel	1982
26	Evaluation under four point system at Gujarat agricultural universities and its relationship with percentage score	Mr. H. N. Chhatrola	Dr. R. M. Patel	1983
27	Estimation of Groundnut yield (<i>Arachis hypogea</i> L.) from soil, weather and biometrical parameters	Mr. R. L. Kalawadia	Prof. M. J. Buch	1983
28	Statistical assessment of yield loss due to pest in Sesamum	Mr. N. B. Bhalodia	Dr. R. M. Patel	1983
29	Response study to nitrogen in Rustica Tobacco (<i>Nicotianarustica</i> L.)	Mr. H. R. Pandya	Dr. N. M. Patel	1984
30	Evaluation of different approaches to study the effect of rainfall on Groundnut in dry farming area of Gujarat	Mr. J. S. Patel	Dr. M. R. Vaishnav	1986
31	A study on the effect of periodic flowering on the yield of Groundnut (<i>Arachis hypogea</i> L.)	Mr. S. L. Varmola	Dr. M. R. Vaishnav	1987
32	Effect of methods of harvesting, grading and chemical treatments on the estimation of post harvest losses in Rajapuri Mango (<i>mangiferaindica</i> L.)	Mr. L. P. Purohit	Dr. M. R. Vaishnav	1987

33	On the estimation of gene effects in LalChopadiu Tobacco	Mr. R. R. Patel	Dr. N. M. Patel	1987
34	Prediction of leaf index in Cotton Hybrid 4	Mr. V. B. Darji	Dr. N. M. Patel	1987
35	Estimation of periodic phosphorus uptake by Summer Groundnut in relation to phosphorus levels	Mr. V. N. Shavani	Dr. M. R. Vaishnav	1988
36	Prediction of area under Castor crop in Gujarat state	Mr. M. K. Chaudhari	Dr. N. M. Patel	1989
37	Estimation of crop loss due to leaf curl diseases in Bidi Tobacco	Mr. R. R. Patel	Dr. M. R. Vaishnav	1989
38	Evaluation of variability in examinations of faculty of agriculture in Gujarat Agricultural University	Mr. P. N. Golakia	Dr. M. R. Vaishnav	1989
	Predication of brinjal (<i>Solanum melongena</i> , L.) yield from partial harvest	Mr. A. N. Khokhar	Dr. M. R. Vaishnav	1989
39	Plot technique in Lucern	Mr. C. V. Ramani	Dr. N. M. Patel	1990
40	Assessment of crop loss in Brinjal (<i>Solanum melongena</i> L.) due to pest and root-knot disease	Mr. K. U. Chaudhari	Dr. J. K. Patel	1991
41	Statistical evaluation of irrigation on different growth stages of Pearmillet [(<i>Pennisetum americanum</i>) (L.) K. Schum] in summer season	Mr. D. V. Patel	Dr. J. K. Patel	1993
42	Plot technique in potato	Mr. H. M. Bhatt	Dr. M. R. Vaishnav	1993
43	Statistical Assessment of various approaches to analyse long term fertilizer experiments	Mr. B. K. Bhatt	Dr. P. R. Vaishnav	1998
44	Pre-harvest forecasting of Rice (<i>Oryza sativa</i> L.) yield based on weather parameters in Kheda district of Gujarat	Mr. G. B. Patel		2005
45	Statistical investigation on the relationship between rainfall and Groundnut productivity in Gujarat	Mr. R. S. Parmar		2005
46	Statistical investigation on area, production and productivity of Kharif Groundnut (<i>Arachis hypogaea</i> L.) in Gujarat	Mr. R. K. Shukla	Dr. J. S. Patel	2007
47	Application of parametric and nonparametric regression models for area, production and productivity trends of major crops of Gujarat	Bhagyashree S. Dhekale	Dr. A. Rajarathinam	2009
48	Plot technique in Brinjal (<i>Solanum melongena</i> L.)	Mr. Mayur S. Shitap	Dr. V. B. Darji	2011
49	Comparison of selection indices using different weights in	Satvinder Kour	Dr. J. S. Patel	2013

	Forage Sorghum [<i>Sorghum bicolor</i> (L.) Monench]			
50	An empirical investigation on area, production and productivity trends of Wheat (<i>Triticumaestivum</i>) crop for different districts in middle gujarat region by different statistical approaches	Mr. L. Netajit Singh	Dr. V. B. Darji	2014
51	Comparative evaluation of different statistical models for explaining growth of major cereal crops of Gujarat.	Ramjilal Yadav	Dr. A.D.Kalola	2015
52	Multivariate models for acreage response to major <i>kharif</i> crops of middle Gujarat	S. Ramapriya	Dr.P.R. Vaishnav	2016
53	Comparison of different economic coefficients to select optimum selection index in rice (<i>Oryza Sativa</i> L.)	Arvind P. Chaudhary	Dr.D.J.Parmar	2017
54	Plot size study through mathematical approach	Sejal ben Muniya	Dr.V. B. Darji	2017
55	Evaluation of different statistical models for pre-harvest forecasting of pearl millet (<i>Pennisetumglacum</i> L.) productivity in Kheda district of middle Gujarat.	Satvinder Kour	Dr. P.R. Vaishnav	2017
56	Comparison of non-parametric methods for stability analysis in black gram{ <i>Vignamungo</i> (L.) Hepper}	Amipara Gauravkumar J	Dr.D.J.Parmar	2018
57	Statistical models for forecasting area, production and productivity of major fruit crops in Gujarat – An empirical study	Siddharajsinh R. Raj	Dr.A.N.Khokhar	2018
58	Comparison of selection indices using different Weights in maize (<i>Zeamays</i> L.)	Himanshu V. Patel	Dr. A. D. Kalola	2019
59	Fitting of the distribution for CV value of field experiments	Rajubhai H. Chaudhari	Dr.A.N.Khokhar	2019
60	Comparison of uniformity trial data with experimental data for plot technique	Bhavika Damor	Dr. V. B. Darji	2019
61	Price forecasting of brinjal and chilli(green)–astatistical evaluation	Vikash Pal	Dr. V. B. Darji	2019
62	Comparison of economic coefficients to select the optimum selection index in Tomato (<i>Solanumlycopersicum</i> L.)	N. Vishnurekha	Dr. P. R.Vaishnav	2020
63	Comparison of selection indices using different weights in okra (<i>Abelmoschusesculentus</i> (L.) Moench)	Vaniya Jyotikaben N.	Dr. A. D. Kalola	2021

64	Variance balanced design for diallel crosses in brinjal	Mr. Y. B. Charel	Dr. V.B. Darji	2021
65	Hectareage prediction models for major kharif crops of middle Gujarat	Mr. R. R. Bhuva	Dr. A. D. Kalola	2021
66	Comparison of deep learning artificial intelligence and statistical models for price forecasting of banana in Gujarat	Mr. Viniya Goswami	Dr. Prity Kumari	2021
67	Application of multivariate techniques for selection of cotton genotypes using biometrical characters	Mr. J. G. Babariya	Dr. D. J. Parmar	2021
68	Comparison of selection indices using different weights in rice (<i>Oryza sativa</i> L.)	Mr. V. A. Chauhan	Dr. A. N. Khokhar	2021
69	Evaluation of statistical models for forecasting area, production and productivity of Green Gram, Chickpea and Pigeon pea in Gujarat	Mr. K. D. Dodiya	Dr. A. N. Khokhar	2021
70	Selection indices in finer millet [<i>Eleusine coracana</i> (L.) Gaertn.] – An empirical investigation	Miss. R. L. Ghetiya	Dr. A. D. Kalola	2022
71	Time series analysis of area, production and productivity of major oilseed crops of Gujarat	Mr. H. B. Sadariya	Dr. D. J. Parmar	2022
72	Pre-harvest forecasting of maize (<i>Zea mays</i> L.) yield based on weather parameters in panchmahal district of Gujarat	Mr. V. K. Chaudhari	Dr. A. N. Khokhar	2022