

On-Going Research Schemes / Projects

Research Schemes :

Sr.	Title and BH	Funding Agency	Principal Investigator	Type of Scheme	Period	
					From	To
1	Soil fertility Res. Scheme(G-1) B.H. 3126-1	State Govt.	Shri K. P. Bhuriya	Non-Plan	1979	Conti.
2	Research in Ag. Chem. and Soil Science B.H. 5020	State Govt.	Dr. A. S. Jadeja	Non-Plan	1962	Conti.
3	Management of salt affected soil and poor quality underground water B.H. 12027	State Govt.	Dr. H. L. Sakarvadia Dr. P. B. Kotadiya	Plan	1986	Conti.
4	Scheme for micronutrient and sulphur research in soils and plants in Saurashtra region B.H. 12023	State Govt.	Dr. A. S. Jadeja	Plan	2013	Conti.
5	AICRP on Long Term Fertilizer Experiments B.H. 2030-1	Indian Institute of Soil Science, Bhopal (M.P.)	Dr. A. V. Rajani	ICAR	1999	Conti.

Research Projects (Continue) :

Sr. No	Name of the Projects	Investigators	Period		Funding Agency
1	Soil test based fertilizers recommendation for targeted yield of Bt cotton in Saurashtra region of Gujarat	Dr. H. L. Sakarvadia Dr. L. C. Vekaria	2010	Conti.	ICAR : Indian Institute of Soil Science, Bhopal (M.P.)
2	Integrated Resource Management in Agriculture and Allied Field for Stakeholder under Farmer First Programme (FFP) project (NRM module)	Dr. A.S. Jadeja	2017	Conti.	ICAR-Agricultural Technology Application Research Institute, Pune, Maharastra

Research Project Completed:

Sr. No.	Name of Project	Period	Funding Agency
1	Monitoring and evaluation of usage of treated effluents of washing ghats in Agriculture.	2009-10 to 2011-12	The president, Jetpur Dyeing and Printing Association, Jetpur
2	Evaluation the Effect of "Microcel" as a Soil Amendments on Groundnut & Cotton yield and on Soil properties	2010-11	Agricon Chemicals, Rajkot (Gujarat), India
3	Effect of Reliance Formulated Sulphur (RFS) with and without FYM on yield and quality of summer groundnut"	2013-14-15	Reliance Industry Limited Bombay
4	Effect of Reliance Formulated Sulphur (RFS) with and without FYM on yield and quality of Bt. Cotton"	2014-15	Reliance Industry Limited Bombay
5	Suitability of gypsum in agricultural land as soil conditioner	2014-15	M/s Ashapura Volclay Limited, Bhuj
6	Effect of polymer coated urea on yield of Bt. cotton	2014-15	Gujarat Sate Fertilizers & Chemicals Limited Baroda
7	Effect of sulphate of potash (SOP) with and without FYM on yield and quality of summer groundnut	2015-16	Gujarat Council on Science and Technology Gandhinagar
8	Response of potassium schoenite	2015-16	Agrocel Industries

	(Mahalabh) through soil application and foliar spray		Pvt. Ltd.
9	Response of (STL) mixture grade (CNS) to groundnut crop	2017-18	Smartchem Technologies Pvt. Ltd., Pune
10	Effect of Krishi sol on coriander	2018-19	GHCL Pvt. Ltd., Ahmedabad
11	Management of potassium for maximization of yield and quality of Bt. cotton in Saurashtra region	2021-22	Indian Potash Ltd., Israel chemical Ltd., Gurgaon-122002

Research Experiments conducted (current year 2025-26)

Sr. No.	Title
1) RESEARCH IN AGRICULTURAL CHEMISTRY AND SOIL SCIENCE	
1.1	Effect of FYM with and without phosphorus on groundnut (GG 20) yield
1.2	Soil test based fertilizer recommendation for targeted yields of coriander
1.3	Effect of N, P and K fertilizer on yield and nutrients uptake by Indian bean
1.4	Effect of N, P and K fertilizer on yield and nutrients uptake by summer soybean
1.5	Evaluation of natural farming, organic farming, conventional farming and integrated crop management under tomato - vegetable cowpea cropping sequence
1.6	Effect of foliar application of various fertilizers on growth, yield and

	nutrient uptake by pigeon pea
1.7	Evaluation of low cost natural farming in groundnut + pigeonpea intercropping system (In collaboration with Dept. of Agronomy, JAU, Junagadh)
1.8	Effect of NPK levels on growth, yield and nutrients uptake by kharif soybean (In collaboration with Department of Agronomy, JAU, Junagadh)
1.9	Response of summer groundnut foliar application of nano urea and urea phosphate. (In collaboration with Res. Sci., Main Oilseed Res. Station, JAU, Junagadh)
1.10	Evaluation of natural farming, organic farming, conventional farming and integrated crop management under chickpea-sesame cropping sequence (In collaboration with Department of Agronomy, JAU, Junagadh)
2) Scheme for Micronutrient AND SULPHUR Research in SOILS AND PLANTS IN SAURASHTRA REGION	
2.1	Effect of cow dung on yield and nutrients uptake by wheat
2.2	Evaluation of soil textural classes in the soils of different talukas of Rajkot district
2.3	Evaluation of the foliar application of nano nitrogen on the performance of wheat
2.4	Effect of silicon on chickpea under saline irrigation water
2.5	Effect of nano DAP on growth, yield and quality of okra
2.6	Effect of nano DAP on growth, yield and quality of kharif groundnut
2.7	Evaluation of the foliar application of nano urea on the performance of okra) (In Collaboration with Vegetable Research Station, JAU, Junagadh)
2.8	Effect of nano urea on growth, yield and quality of rabi sweet corn (<i>Zea mays L. saccharata</i>) (In collaboration with Department of Agronomy, JAU, Junagadh)
3) MANAGEMENT OF SALT AFFECTED SOIL AND POOR QUALITY UNDER GROUND WATER FOR CROP PRODUCTION (MSS)	

3.1	Study on relative salinity tolerance of leafy vegetables
3.2	Effect of silicon on wheat under saline irrigation water
3.3	Effect of soil amendments on summer groundnut under saline-sodic soil (Mahuva)
4) SOIL FERTILITY RESEARCH (G-1) SCHEME	
4.1	Potash status of soil as affected by intensive cropping under medium and high fertility levels with and without applied potash
4.2	Long term effect of continuous application on various levels of N and P on the yield of groundnut crop and its effect on the fertility status on the soil
5) SCHEME FOR AICRP ON LONG TERM FERTILIZER EXPERIMENTS	
5.1	Balance Nutrient Management in Groundnut (<i>Monsoon</i>) Wheat (<i>Winter</i>) Cropping Sequence on LTFE Basis
5.2	Evaluation of efficiency of most sustainable fertilizer use practices for enhancing productivity, sustainability and nutrient response ratio under different cropping systems (Groundnut-wheat)

New technical Programmes Proposed (Current Year 2025-26)

Sr. No.	Title
1	Soil test based fertilizer recommendation for targeted yield of chickpea
2	Establishment of critical limit of zinc for sesame in medium black calcareous soils
3	Effect of saline irrigation water on different variety of okra
4	Evaluation of soil textural classes in the soils of different talukas of Bhavnagar district