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. H. L. Sakarvadia	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	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 (Mahalabh) through soil application and foliar spray	2015-16	Agrocel Industries 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 coriender	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., Gurgao-122002

Research Experiments conducted (current year 2025-26)

Sr. No.	Title
1) RESEARCH IN AGRICULTURAL CHEMISTRY AND SOIL SCIENCE	
1.1	Evaluation of natural farming, organic farming, conventional farming and integrated crop management under tomato - vegetable cowpea cropping sequence
1.2	Soil test based fertilizer recommendation for targeted yields of chickpea
1.3	Effect of FYM with and without phosphorus on groundnut (GG 20) yield
1.4	Evaluation of low cost natural farming in groundnut + pigeonpea intercropping system (In collaboration with Dept. of Agronomy, JAU, Junagadh)
1.5	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)
1.6	Effect of foliar application of water soluble macro and micro nutrients fertilizers on growth, yields and quality of *kharif* groundnut (In collaboration with Res. Sci., Main Oilseed Res. Station, JAU, Junagadh)
1.7	Response of summer groundnut foliar application of nano urea and urea phosphate. (In collaboration with Res. Sci., Main Oilseed Res. Station, JAU, Junagadh)
1.8	Effect of Nano Urea (liquid) on yield and various agronomic traits of castor. (In collaboration with Res. Sci., Main Oilseed Res. Station, JAU, Junagadh)
1.9	Effect of Nano Urea (liquid) on yield and various agronomic traits of groundnut. (In collaboration with Res. Sci., Main Oilseed Res. Station, JAU, Junagadh)
2) Scheme for Micronutrient AND SULPHUR Research in SOILS AND PLANTS IN SAURASHTRA REGION	
2.1	Establishment of critical limit of zinc for sesame in medium black calcareous soils
2.2	Effect of nano DAP on growth, yield and quality of okra
2.3	Effect of nano DAP on growth, yield and quality of *kharif* groundnut
2.4	Evaluation of the foliar application of nano urea on the performance of okra (In Collaboration with Vegetable Research Station, JAU, Junagadh)
2.5	Effect of nano urea on growth, yield and quality of *rabi* sweet corn (*Zea mays* L. saccharata) (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	Effect of soil amendments on summer groundnut under saline-sodic soil (Mahuva)
3.2	Effect of saline irrigation water on different variety of okra

4) SOIL FERTILITY RESEARCH (G-1) SCHEME	
4.1	Potash status of soil as affected by intensive cropping under medium and high fertilely 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 (*Monsoon*) Wheat (*Winter*) 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	Effect of saline irrigation water and soil amendments on growth and yield of wheat
2	Effect of soil amendments on chickpea under saline-sodic soil
3	Effect of sulphur on growth and yield of summer groundnut
4	Integrated nutrient management in semi-*rabi* pearlmillet and its residual effect on summer black gram
5	Effect of foliar application of water soluble fertilizers on growth, yield and nutrient uptake by groundnut
6	Evaluation of soil textural classes in the soils of different talukas of Amreli district
7	Comparative evaluation of conventional and drone based spray for effective management of interveinal chlorosis in *kharif* groundnut