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Success is the result of
your attitude. Firm
determination,
dedication and
positive thinking are
the sure ways to
success.

- Dr. B. K. Kikani

From Vice Chancellor's Desk



The Government of Gujarat gave the concept of Krushi Mahotsav to encourage and inspire the farmers to adopt the scientific approach and to transform the traditional agriculture in to modern scientific agriculture. With the applauded response and success of Krushi Mahotsav in 2005, it has been celebrated every year in order to transfer agricultural technologies to farmers of Gujarat. Agriculture is the back bone of rural life. All the developmental activities of the rural life are associated with agriculture. Sixty percent population of Gujarat is dependent upon agriculture.

The major objective of Krishi Mahotsav is to develop the agriculture and increase the standard of living of farming community through overall development of rural life. Keeping this in mind, the programme was formulated. The Krushi Mahotsav brought out a radial change in the farmers of Gujarat.

The farmers' community could understand the importance of soil through soil health card and they planned the application of major and micro nutrients as per the requirement of the field. The farmers have developed an interest in using improved crop varieties as per the suggestions given by the scientists during Krushi Mahotsav. The importance of the new high yielding varieties were popularized among farmers.

The farmers have adopted the recommended seed rates and recommended dose of fertilizers of major crops of the region like groundnut, wheat, bajra, cotton, etc. and reduced the cost of input. They have also adopted the automatic seed drills for sowing operation to save the unnecessary high seed rate and labour charges. During the Krushi Mahotsav, the scientists convinced the farmers to adopt multi-cropping system rather than mono-cropping system to avoid risk in agriculture. They started implementing the bio control measures for management of pest and diseases in place of chemical method of control.

The conception that drip irrigation was useful only in case of vegetable crops was changed after adopting the drip system and the farmers realized that it was useful for many crops like groundnut, millet, sugarcane etc. The farmers have understood the value of precision farming and started rational use of water and fertilizer to their crops. Instead of flood irrigation they have adopted drip and sprinkler irrigation methods to increase water use efficiency and irrigation use efficiency of their crop to fulfill the ratio of drip-drop and crop.

This revolution in agriculture has been the result of the efforts of the continuous village to village contact of hundreds of agricultural scientists with farmers. The efforts of the last four years have borne fruits. The agricultural production and the area of cultivation in different crops under various agro-climatic zones are increased.

This year also the Government of Gujarat has planned to celebrate the Fifth Krushi Mahotsav from 20th May to 5th June 2009.

B. K. Kikani
(B. K. Kikani)
Vice Chancellor

STUDENT ACTIVITIES

✓ **Sports:** The inter collegiate competition of Kho-Kho and weight lifting were organized on 4th October, 2008. The College of Agriculture became champion in both the competitions.

Winner at National level



✓ **Placement:** Eighteen agricultural graduates of College of Agriculture were selected in Union Bank of India through campus interview.

SPECIAL EVENT

A special talk on "*Saswat yogik kheti*" was delivered by Rajyogi Brahmakumar Rajubhai and Brahmakumari Gitaben on 26.12.2008. Faculty members and students of JAU attended the programme and taken the inspiration for *yogik kheti*. The programme was organized under the Chairmanship of Hon. Vice Chancellor Dr. B. K. Kikani, JAU, Junagadh

SARDAR PATEL RESEARCH AWARD FOR BEST RESEARCH PAPER



TARINING ORGANIZED BY UNIVERSITY

1. Training on "Bajra Hybrids/Foundation Seed Production"

Research Scientist (Bajra), Jamnagar has organized a training



programme on "bajra hybrids/foundation seed production" on 6th December, 2008 at Millet Research Station, JAU, Jamnagar. Thirty seven staff members of Gujarat State Seed Corporation, Gandhinagar have participated in the training.

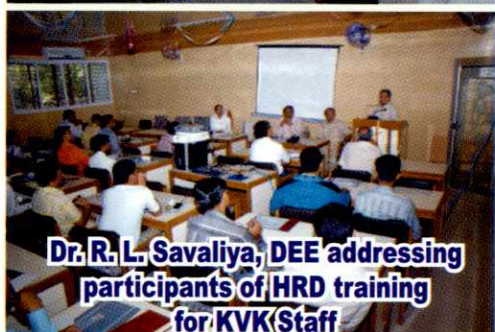
2. "Training for entrepreneurs in Tissue Culture under HRD in Horticulture"

The Department of Agril. Botany has organized a three months training programme on Tissue Culture from October to December, 2008 for entrepreneurs. Ten candidates



with HSC qualification were given training on Plant Tissue Culture. One thousand rupees stipend per month was paid to each trainee.

IMPORTANT EVENTS









NEW RESEARCH PROJECTS

- ✓ Department of Horticulture and Coconut Board, Government of Gujarat, has sanctioned a new project entitled "Establishment of Bio-control laboratory" at Department of Entomology, JAU, Junagadh under Horticulture Mission for 3 years, 2008-09 to 2010-11. The objectives of the project are to survey the natural enemies of key pests of major crops, multiplication of bio-agents, entomopathogens of key pests, prominent predators and standardization of releasing methods for the potential bio-agents and conservation of the natural enemies with a total project cost of Rs. 92.52 lakh.
- ✓ Indian Council of Agriculture Research (ICAR) has sanctioned a new research project entitled "Microbial pesticide production Unit" at Department of Entomology, JAU, Junagadh with an objective of imparting training to the under graduate and post graduate students as a part of course curriculum. The total cost of the project is Rs. 62.00 lakh.

Number of Recommendations during 2007-08

No.	Name of the sub - committee	Number
i	Natural Resource Management	21
ii	Horticulture & Agro Forestry	03
iii	Plant Protection	12
iv	Basic Science	01
v	Animal Science & Fisheries	01
vi	Agricultural Engineering	04

Release of New Varieties by JAU, Junagadh

Sr. No	Crop	Variety	Major Characteristics	Photographs
1	Groundnut	GJG-HPS-1 for Rainfed areas of Saurashtra and South Gujarat	The variety GJG-HPS-1 recorded an over all yield (2125 kg/ha) increase of 38.0, 28.3 and 36.8 % over the check varieties, BAU-13, M-335 and ICGV-86564, respectively.	
2	Pearl millet	GHB-719 National	The hybrid showed synchronous tillering, medium grain size and attractive seed colour besides earliness and short duration variety recorded 38.0 % and 6 % yield (2350 kg/ha) increase over early checks, Pusa-23 and hybrid GHB-538 respectively. Highly resistant to downy mildew and tolerance to other diseases.	
		GHB-744 National	Possesses appealing earhead with attractive seed colour, a medium duration for kharif season gave 17, 51 and 10 % higher yield (2900 kg/ha) over GHB-577, MH-169 and PB-106, respectively.	
		GHB-732 National	Resistant to downy mildew, lodging and good quality of stover with preferred seed colour. Late maturing variety for kharif season gave 12, 51 and 34 % higher yield (3000 kg/ha) than GHB-558, MH-169 and PB-106 respectively.	
3	Chickpea	Gujarat Gram-3 (GG-3)	Released for the Bhal area of Saurashtra and adjoining region for rainfed condition. It has given 12.18, 9.85 and 8.56 % higher yield (1483 kg/ha) than Chaffa, GG-1 and GG-2, respectively. Moderately resistant to wilt and stunt disease. It has got attractive seed colour (yellow), large seed size, early maturity and consumer and farmers preference.	
4	Tomato	Junagadh Tomato-3 (Saurashtra Region)	Fruits are medium in size, flat round in shape with attractive red colour, thick skin and 4 to 5 locules with high T.S.S. Released for the Saurashtra region. It gave 22.52 % higher yield (38460 kg/ha) over Gujarat Tomato-2.	

Workshop/ Seminar/ symposium / conference attended by the Scientists

Topic	Period	Institutes	Scientists
Development in soil science-2008	27 th -30 th , November, 2008	ISSS, Uni. of Agril.Sciences, Bangalore	Dr. J. V. Polara,
Cultivation of quality spices seed production technology in Gujarat at 3 rd Horticulture Congress	-	The Horti. Society of India. New Delhi and OUAT, Bhubaneshwar	Dr.K.V. Kalathiya,
Agrometeoroloical service for farmers.	10 th – 13 th November, 2008	A. A. U., Anand	Dr. N. K. Gontia, Dr. D. D. Sahu,
“Recent Advances in Diagnostic Technologies and management of poor quality water/soil.	18 th Nov. to 8 th Dec.- 2008	CSRI, Karnal (Haryana)	Dr M.S. Dudhat, Dr. M. B. Viradia
“Innovative approaches for increasing the productivity in oil seed crops: a crop improvement perspective”.	4 th to 24 th Nov, 2008	DOR, ICAR, Rajendranagar, Hyderabad (A.P.)	Sh. M. G. Valu, Dr. R. H. Kavani,
Hi-tech production in sub tropical fruits.	4 th to 24 th Dec., 2008	CISH, Lucknow	Dr. N. D. Polara
Recent development in animal production and reproduction	3 rd to 23 rd Dec.,2008	IVRI, Izatnagar, Bareilly	Dr. J. B. Kathiria
Production technology of Agricultural Equipment.	1 st to 21 st Nov.,2008	CIAE, ICAR, Bhopal	Dr. V. K. Tiwari,
Breeding for biotic and abiotic stresses.	3 rd to 23 rd Nov.,2008	Dept. of PBG, PAU,Ludhiana	Dr. R. B. Madaria,
Biochemical and Molecular biology advanced Techniques.	18 th Nov. to 8 th Dec., 2008.	Division of Bioche., IARI, New Delhi	Dr. D. R. Mehta,
Strategies for Augmenting Rhizosphere for Sustaining for soil Fertility and Productivity.	3 rd to 24 th Nov.,2008	Div. of Agronomy, IARI, New Delhi	Dr. P. M. Vaghasia,
National Training programme on Hi-tech Horticulture in relation to fruit production	16 th Sept. to 6 th Oct., 2008	MPKV, Rahuri	Dr. K. D. Patel,

Distinguished Visitor

Dr. D. M. Hegde, Project Director, Castor, Directorate of Oilseeds Research, Rajendranagar, Hyderabad (AP) visited the main Oil seed Research Station, JAU, Junagadh

New Technologies

Sapota Grader

Hand-operated grader developed by JAU for grading sapota on



the basis of size is released for the farmers, manufacturers and processors. This machine can also be used for grading of similar types of fruits and vegetables.

Hay rake-cum-loader



Tractor operated hay rake cum loader, developed by JAU is released for the use of farmers and manufacturers. The machine is easy to operate and save time and reduces cost of collecting hay.

BOOK POST

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