



**AGRICULTURAL
SCIENCE & TECHNOLOGY
NEWSLETTER**

RVSKVV

News

In this issue

- ☐ Events
- ☐ Research Activities
 - New Projects
 - New Varieties Notified
 - Consultancy Processing Cell
 - Reflections of On-going Projects
 - Nucleus and Breeder Seed Production
- ☐ Academic
- ☐ Extension Activities
- ☐ Seminars/Symposia/Workshops /Conferences/Meetings
- ☐ Other Activities
 - Visits Abroad
 - Visits of Dignitaries
 - HRD
 - Awards/Honours
 - Publications
 - Superannuation
- ☐ Obituary
- ☐ समाचार सारांश

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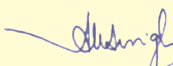
Shri Kamlesh Kumar Yadav
In charge Communication Centre

From the Vice-Chancellor's Desk

Indian Agriculture has made spectacular progress in the recent past with record setting achievements not only in food production but also in milk production, horticulture, livestock (including poultry) and fisheries. But agricultural scientists can not afford to be complacent because the challenges, which the agricultural production system has to face in the future, are going to be far more formidable than even before. Food and nutrition security has to be ensured to the second largest population in the world from a degraded natural resource base, ever increasing water scarcity, limited land availability for cultivation coupled with adverse impact of global warming and associated climatic variability. Intensification of agricultural activities has to be done in an eco-friendly and sustainable manner taking into consideration the changes in the dietary preferences of the Indian population particularly the middle class. One has to also keep in mind that more than 80% of the farmers are small and marginal, resource poor and at the receiving end of the vagaries of weather/nature. Gender issues are of paramount importance as more than 60% of the population involved in farming consists of women who are relatively more vulnerable. It is also a reality that even today a sizeable amount of foreign exchange is spent on import of pulses and vegetable oils where the demand is continuously outstripping the domestic production. Biofuel production is another area which needs to be emphasized upon to reduce the dependency of the country on import of petroleum products.



To meet these challenges, quality human resource is an urgent need for teaching, undertaking relevant research for development and enabling rapid transfer of technology from the laboratory and experimental farms to the farmers- the ultimate stakeholders. Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya is committed to fulfill this vital role in serving the State and the Nation by ensuring development of capable human resources and technologies that would lead to farming as a profitable venture.


(A.K. Singh)

EVENTS

- RVSKVV, Gwalior celebrated Republic Day on 26 January, 2013. Prof A.K. Singh, Vice Chancellor unfurled the tricolor in the presence of senior officers, invitees, staff members and students.



- Inaugural ceremony of the demonstration unit of Water and Soil management practices constructed under MPWSRP at AICRPDA, Indore was inaugurated by the Vice Chancellor, Prof. A. K. Singh. The Director Research, Dr. H. S. Yadava and the Dean, College of Agriculture, Indore Dr. A. M. Rajput also graced this function on 06 June, 2013.



RESEARCH ACTIVITIES

New Projects

- Development of Charoli (*Buchnanian lanzan*), Bijasar (*Pterocarpus marsupium*) and Dhaiman (*Cordia macleodii*) plantlets through tissue culture techniques and study of their commercial plantation in in-situ and ex-situ environments. Outlay: ₹ 2.21 lakhs; Funding agency: Forest Department, Govt. of M.P, PI: Dr. D. K. Shrivastava.
- Multi-location evaluation of lentil germplasm. Outlay: ₹ 0.45 lakh; Funding agency: NBPGR, New Delhi, PI: Dr. R. P. Singh.
- National Climatic Resilient Agriculture trials on MULLaRP. Outlay: ₹ 0.50 lakh; Funding agency: IIPR, Kanpur, PI: Dr. R. P. Singh).
- TSP project on lentil and chickpea. Outlay: ₹ 2.53 lakh; Funding agency: IIPR, Kanpur, PI: Dr. R. P. Singh.
- Value added tomato processing unit Outlay: ₹ 44.32 lakh; Funding agency: NAIP, ICAR, New Delhi, CPI: Dr. H.S. Yadava.
- Survey, assemble, evaluation, documentation and conservation of land races and traditional varieties of maize in Jhabua - a tribal dominated district of Madhya Pradesh Outlay: ₹ 9.90 lakh; Funding agency: M.P. State Biodiversity board, Madhya Pradesh, PI: Dr I.S. Tomar.

- Increasing food legumes productivity by small famers to strengthen food nutrients security through adoption of improved technologies and governance with in south-south cooperation Outlay : ₹ 8.07 lakh; Funding agency : ICARDA, Syria PI : Dr. V. S. Gautam/ Dr. R. P. Singh.

New Variety Notified

Raj Vijay Gram 203 :

The chickpea variety **RVG 203**, was notified vide Notification No. S.O.312(E). Feb. 01, 2013 by Department of Agriculture and Cooperation, Ministry of Agriculture, Govt. of India for cultivation in the States of Madhya Pradesh, Gujarat, Maharashtra, Uttar Pradesh and Rajasthan. This variety was developed by a three-way cross {(ICCV 91902 × ICCV 10) ICCV 89230}. The plants are dwarf with semi spreading habit. The seeds are light brown and angular with smooth surface. It matures in 100 days with average yield potential of 1900-2000 kg/ha. It is moderately resistant against *Fusarium* wilt and dry root rot. It is recommended for sowing in late sown conditions.



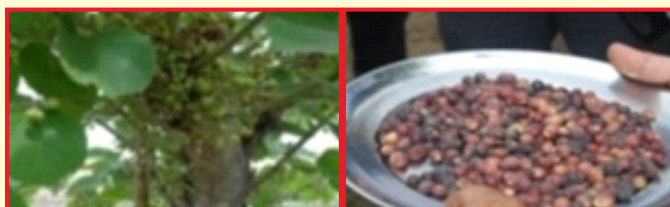
Consultancy Processing Cell

- ₹ 97.20 lakh has been generated from 33 companies under CPC for the testing of Cotton, Soybean, Pearl Millet, Maize, Rice, Grape, Chilli, Tomato, Brinjal, Okra, Bottle gourd, Bitter gourd, Onion, Cauliflower etc. during this period.

REFLECTIONS OF ON-GOING PROJECTS

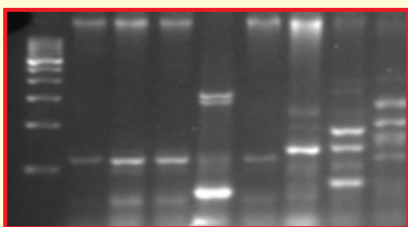
Phalsa cultivation in dryland

Cultivation of *Phalsa* (*Greivia subinaequalias*) is found profitable under dryland conditions: Pruning of fruit plants was observed as an essential operation during first fortnight of February for higher productivity.



New *Rhizobium* strains identified from nontraditional legumes

Thirty six *Rhizobium* strains were identified from nontraditional legumes namely, horse gram (18), cowpea (5), black gram (6), soybean (4) and groundnut (3). All the strains were gram negative. The colonies were circular, smooth with creamy and shiny surface. The colonies' colour varied from translucent to opaque. None of the strain survived for 10 days at more than 40°C but R 4 showed moderate growth and survival for 10 days at this temperature. All isolates grew well at 30% PEG concentration. R 4 showed negative test for ammonium bis (2-hydroxypropyl) citrate and positive for ammonium chloride, potassium nitrate and magnesium nitrate. Genomic DNA fingerprints of the selected strains were obtained by ERIC-PCR.



Induced host resistance against *R. bataticola*

Response of chemical elicitors namely, salicylic acid and isonicotinamide in imparting resistance to the host rather than directly affecting the pathogen was judged against *R. bataticola*. Both chemical elicitors reduced disease incidence. An increasing trend of colony diameter was noted with decrease in concentration of the chemical elicitor compared to the normal. The germination of chickpea was not influenced by these chemicals. The seed treatment with 400 ppm salicylic acid and foliar application of salicylic acid with 400 ppm just after germination of the plants showed minimum incidence of *R. bataticola* and induction of resistance against the disease at different plant stage.



Water management in soybean - wheat cropping sequence

Making of dead furrow at the interval of 10 rows for safe removal of excess water from soybean field improved the productivity (1566 kg/ha), WUE (3.67 kg/ha/mm) and net returns (₹ 26.600/-) in vertisols, while the highest grain yield (4313 kg/ha), WUE

(28.75 kg/ha/mm) and net returns (₹ 44241/ha) were recorded in sprinkler irrigation as compared to border strip method of irrigation in wheat.



Nucleus and breeder seed production

Nucleus and breeder seed produced during Rabi 2012-13 is given below-

S. No.	Crop	Seed quantity produced (qt.)	
		NSP	BSP
1.	Wheat	133.80	3534.0
2.	Gram	249.10	2194.8
3.	Mustard	1.80	92.49
4.	Toria	-	9.45
	Total	384.70	5830.74

Sports and Cultural Activities

- Ku. Neha Rajawat, a student of B.Sc. (Ag.) IInd year, College of Agriculture, Indore stood first in Inter University National Elocution Competition during XI Agricultural Science Congress on "Agricultural Education-shaping India's Future" which was held on 08 February, 2013 at OUAT, Bhubaneswar.
- A Youth festival and cultural competition programmes was organized at College of Agriculture, Indore during 16-18 January, 2013. The students of College of Agriculture, Gwalior received "Sahitya Shiromani Award". The students of College of Agriculture, Khandwa received "Kala Shiromani Award". The students of College of Agriculture, Indore received "Natya Shiromani Award". The students of College of Agriculture, Gwalior and Indore received jointly "Sangeet Shiromani Award".



EXTENSION ACTIVITIES

- Twenty three students of University participated in 13th All India Inter Agricultural University Youth Festival which was organized by Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur during 24-28 February, 2013.



- The Inter Collegiate Sports meet (Kabbadi and Athletics) was organized from 14-16 February, 2013 at RVSKVV, Gwalior. The meet was inaugurated by the Hon'ble Vice Chancellor Prof. A.K. Singh. The closing ceremony was held under the Chairmanship of Prof. V. S. Tomar, Vice Chancellor, Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur.



- Forty Seven Students (36 boys and 11 girls) of RVSKVV, Gwalior participated in XIVth All India Inter Agricultural University Sports and Games meet "AGRIUNISPORTS-2013" organized at Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar during 06-10 March, 2013 and their performance was appreciated by one and all.



Placement Cell

Sixty four students have been selected in various reputed organizations (Bank of India, Union Bank, PNB, Soil Conservation, Block Technology Manager, Kotak Mahindra Bank Ltd., State Bank of India (Summer Internship year 2013) etc. The interview was conducted through Placement Cell of the University headed by Dr. S.P.S. Tomar, Deputy Director (Instructions and Student Welfare) of the University.

MoU Signed

For establishment of e-governance in the University as well as making the information related to Education, Research, and Extension available on-line, a MoU was signed on 06 May, 2013 between the Centre for Research and Industrial Staff Performance (CRISP), Bhopal and the University for Development of Integrated University Management System Portal for the University.

Vocational Trainings

Title	Date	Venue
Skill development training programme on Vermi culture and composting	14-28 January, 2013	KVK, Mandsaur
Seed production	14 Jan.- 21 Feb., & 1-15 Mar., 2013	KVK, Jhabua
Value addition of Aonla	28-30 Jan., 2013	KVK, Morena
Value addition of Aonla	18-22 Feb., 2013	KVK, Gwalior
Income Generation through Stitching	01-28 February & 17 June-17 July, 2013	KVK, Khandwa
Stitching garments for employment generation	05-20 June, 2013	KVK, Mandsaur

Sponsored Trainings

Title	Date	Venue
Improved Agriculture Technology	3-5 Jan., 2013	Directorate of Extension Services
Organic Farming	15-16 March, 2013	KVK, Ujjain

Farmers Trainings

Title	Date	Venue
Inter state farmers training programme	8-12 February, 2013	KVK, Mandsaur

In-service Trainings

Title	Date	Venue
Hands-on-Training on Farm Machinery and Laser Leveller	15-17 Feb., 2013	CSSRI, Karnal
Organic Farming	4-6 March, 2013	KVK, Mandsaur
Improved agronomical practices for kharif crops	24-25 June, 2013	KVK, Gwalior
Value addition of fruits	15-16 January, 2013	KVK, Gwalior
Balanced and nutritive diet of women and girls	17 January, 2013	KVK, Ujjain
Kisan Mitra and Kisan Didi (special kharif mission)	27 April, 2013	KVK, Ujjain
Improved production technology under special kharif mission	-	KVK, Sheopur

Capacity Building Trainings

Title	Date	Venue
Integrated Farming System for Sustainable Livelihood	9-10 January, 2013	Directorate of Extension Services
Conservation of Agriculture Biodiversity	28 Feb. to 01 Mar., 2013	Directorate of Extension Services

Rural Youth Trainings

Title	Date	Venue
Information and Communication Technology	14 February, 2013	KVK, Ujjain
Kadaknath Rearing and Management	18-20 February, 2013	KVK, Jhabua, under NAIP
Preparation of Biopesticides	25-26 February, 2013	KVK, Dewas
Nursery Establishment and Plant Propagation	20-22 February, 2013	KVK, Khargone
Stitching	March-April 2013	KVK, Jhabua, under NAIP

Field days

Title	Date	Venue
Gram field day	05 February, 2013	Village Lasudawan, Mandsaur
Wheat day	07 March, 2013	Village Kankariya Chand, Ujjain
Maize field day	04 March, 2013	Vaglawat and Mokhampura, Jhabua
Okra field day	11 June, 2013	Village Amrol, Gwalior
Field day cum sangosthi	21 February, 2013	Village Lakhpura, Jhabua

Special Day Celebration

World Water Day 2013 celebrated : The world water day was celebrated under Madhya Pradesh Water Sector Restructuring Project at different centers of the university like, College of Agriculture, Gwalior and Indore, FRS, Entkhedi and KVKs on 22 March, 2013. About 871 farmers were benefited from Gwalior, Indore, Entkhedi (Bhopal), Ujjain, Neemuch, Guna, Ashoknagar, Morena, Rajgarh and Shivpuri districts. The staff members of college and extension personal participated in this programme.



Farmers Fairs and Exhibitions

Western Region Farmer Fair at IISS Bhopal

College of Agriculture, Indore and five KVKs of the University viz. Shajapur, Dewas, Ujjain, Sehore and Ratlam participated in the exhibition during Western Region Farmer Fair at IISS, Bhopal during 28-31 January, 2013. Exhibition stall of KVK, Ujjain was awarded second prize. On this occasion, the tomato ketchup (Raj Vijay Ketchup) prepared by farm women under the technical guidance of KVK, Ujjain was inaugurated by Dr. Ram Krishna Kushmariya, Hon'ble Agriculture Minister, Govt. of M.P.



11th Agriculture Science Congress at OUAT Bhubaneshwar

Directorate of Extension Services participated in the exhibition during 11th Agriculture Science Congress from 07-09 February, 2013 at OUAT, Bhubaneshwar to present the achievements made by University in research, education and extension; since its inception. It was appreciated by students, scientists, farmers, policy makers, ministers etc. from all over the country.



Pusa Krishi Vigyan Mela-2013

KVK, Datia participated in three days Pusa Krishi Vigyan Mela at IARI, New Delhi during 6-8 March, 2013 and organized an exhibition including live demonstrations which attracted all visitors and fetched third prize.



EXTENSION ACTIVITIES

- On 13 February, 2013, a Inter Divisional Farmer Fair was organized at ZARS, Morena, which was attended by exhibition of KVKs Morena, Lahar, Sheopur, Datia, Shivpuri, Aron, Ashoknagar and Gwalior under the guidance of Dr. S. S. Tomar, DES. During the programme, KVK, Gwalior was awarded with the best exhibition prize.
- KVKs, Mandsaur and Rajgarh organized an exhibition with College of Agriculture, Sehore, College of Horticulture, Mandsaur and Fruit Research Station, Entkhedi, during "International Horti Expo 2013" from 01-03 February, 2013,

Second Prize In Zonal Level Kisan Mela

KVK, Gwalior received second prize in Divisional level Kisan Mela organized by Zonal Agriculture Research Station, Morena on 13 February, 2013 for demonstration of models on agriculture and horticulture technology, live demonstration of improved varieties of fruits and vegetables and poultry breed 'Kadakhnath'.



First Prize in Kisan Mela

Krishi Vigyan Kendra, Gwalior, Lahar and Shajapur participated in exhibition organized by ATMA at district level and these KVKs were awarded the first prize.



Technological Week Celebration

- KVK, Gwalior organized a Technology Week from 21-25 January, 2013 to educate and demonstrate improved agriculture technology to farmers and farm women in abra, Bhitwar, Talpur, (Ghatigaon) and Utila (Morar) villages. Total 385 participants were benefited with the programme.
- Technology week was organized by KVK, Jhabua during 12-17 February, 2013 in

collaboration of ATMA in every block and all the line departments participated in Technology Week with all schemes. 1750 participants were benefited.

Kisan Sangoshti

- *Rabi Krishak Sangoshti* was organized on 18 February, 2013 by KVK, Ujjain at Village Derikheda where 70 farmers and farm women participated.



- A farmers-scientists-extension personnel sangoshti was organized on fisheries and fodder production under NAIP on 22 January, 2013 at KVK, Jhabua in the chairmanship of Smt. Jaishree Kiyawat, Collector, district Jhabua.

Ex-trainee Meet

- Ex-trainee meet was conducted at KVK, Ujjain on 14 June, 2013. During this meet farmers and rural youth farmers introduced themselves and put their views regarding KVK working. They also shared their past experience s with the co-farmers. Lectures were organized on different topics for the farmers. There were 50 farmers who participated in this meet.



Success Story

Ginger cultivation : a new source of livelihood in district Dhar

Shri Sitaram Ningwal is a 47 years marginal farmer having 2.0 ha land in village Awaliya, block Nalcha, District Dhar, Madhya Pradesh. Earlier, he was worried about his low family income, which was not sufficient to fulfill his family's requirement. A transformation happened in his life when he interacted with NAIP scientists, who convinced him to grow ginger as spice crop. They provided training on ginger cultivation using drip irrigation and fertigation system and provided the seed of improved ginger variety *Suprabha* under NAIP. They also arranged for drip irrigation system through convergence.

Statutory Meetings

Board of Management

- The 12th and 13th meeting of Board of Management was held on 15 Feb., 2013 and 14 June, 2013 respectively, under the chairmanship of Prof. A.K. Singh, Vice Chancellor, RVSKVV, Gwalior.



Academic Council

- The 14th and 15th meeting of Academic Council of RVSKVV, Gwalior was held on 13 Feb., 2013 and 10 June, 2013 respectively, under the Chairmanship of Prof. A.K. Singh, Vice Chancellor.

Administrative Council

- The 7th and 8th meeting of Administrative Council of RVSKVV, Gwalior was held on 13 Feb., 2013 and 10 June, 2013 respectively, under the chairmanship of Prof. A. K. Singh, Vice-Chancellor.
- On 05 February, 2013 Prof. A. K. Singh, Vice Chancellor alongwith Dr. S. S. Tomar, DES attended the review meeting for *Kharif* special mission at Bhopal with Shri M.M. Upadhyay, Agriculture Production Commissioner and Shri R. Parasuram, Chief Secretary M.P. Govt..
- During 23-24 February, 2013, a two days workshop on "Technological Dissemination Action Plan of 24 KVKs of RVSKVV" was organized by Directorate of Extension Services at RVSKVV, Gwalior under the Chairmanship of Hon'ble Vice Chancellor, Prof. A.K. Singh. The Programme Coordinators of all 24 KVKs presented the proposed Action Plan under KVK-ATMA convergence covering 5000 farmers per district.

He prepared his field first by deep ploughing and added FYM @ 5.0 t/ha. After land preparation, he formed raised beds of 1.5 m width at an interval of 90 cm for sowing having plant to plant distance of 30 cm. He sowed the variety *Suprabha* @ 12.0 q seed/ha in the last week of June 2012. Weeds were removed timely. He applied 20 kg of Calcium Ammonium Nitrate through drip irrigation system at one week intervals. He also sprayed the insecticide Profenopos @ 1.0 l/ha for control of thrips.

The production was 132.0 q/ha. He sold it @ ₹ 35/kg, thus earned about ₹ 4,62,000/ha. He spent ₹ 76, 800/- in cultivation of ginger. In this way, he got the net profit of ₹ 3,85,200/ha through ginger cultivation. Thus, ginger cultivation appeared as a new source of livelihood security in district Dhar.

Mrs. Shashi Chhari- A successful mushroom entrepreneur

This is the story of an enterprising lady Mrs. Shashi Chhari. She has small land holding in interior village Arbipura of Porsa block in Morena district. She had been leading a life of poverty and somehow managed her family. The economic condition of Mrs. Shashi has changed with the constant encouragement of KVK, Morena. She started oyster mushroom production with 20 bags in 2009-10 under the supervision KVK, Morena scientists. She used to sell fresh mushroom in the nearby market at the rate of ₹ 60-70/-per kg. As no proper road and transport is available from her village, she used to face problem of selling of fresh mushroom. Besides this, 30% of mushroom had losses during handling and transportation.

With the special efforts of scientists of KVK Morena, Mrs. Shashi dried excess production of fresh mushroom for extending the shelf life of mushrooms for more than six months and sells it in the Bhopal and Gwalior market at the rate of ₹ 400/kg. Production of dehydrated mushrooms helped her to reduce the weight to one tenth of its original weight enabling ease in transportation. Presently, has she increased number of mushroom bags from 20 to 3000 in 2013-14 and a profit of ₹ 1 lakh was generated by her with 3000 mushroom bags from a cycle of crop. She earned an additional income of ₹ 4.5 lakhs/year from selling of fresh and dry mushroom and developed a feeling of economic empowerment.



SEMINARS/SYMPOSIA/ WORKSHOPS/CONFERENCES /MEETINGS

- On 05 April, 2013, one day workshop was organized at RVSKVV, Gwalior by Directorate of Extension Services to formulate "KVK-ATMA joint action plan" under the Chairmanship of Hon'ble Vice Chancellor, Prof. A.K. Singh. During the programme, Dr. Anupam Mishra, ZPD, Jabalpur and Dr. S.S. Tomar, DES reviewed the presentation made by KVKs and gave their suggestions to evolve an effective convergence modal for M.P. State.



- The Research Review Meeting was organized under the chairmanship of Prof. A.K. Singh, Hon'ble Vice Chancellor, RVSKVV, Gwalior on 5-6 April, 2013 at the Directorate of Research Services to review the achievements and programmes of all the ICAR funded projects.



- Two days Pre Zonal Workshop of KVKs was organized by DES during 14-15 May, 2013 in which Programme Coordinators from 24 KVKs under the jurisdiction of University participated and presented the achievements of year 2012-13 and Action Plan 2013-14. The Programme was organized under the Chairmanship of Hon'ble Vice Chancellor Prof. A. K. Singh.



- The Annual Farm Meeting to review the seed production programme during Rabi 2012-13 and planning for Kharif 2013 was organized on 26 May, 2013 in University Meeting Hall under the Chairmanship of Hon'ble Vice Chancellor Prof. A. K. Singh.



- Dr. S. S. Tomar, DES participated in the XXth Zonal Workshop of KVKs of Zone VII at DRI, Chitrakoot during 21-23 June, 2013 with Programme Coordinators of 24 KVKs and scientists of the Directorate. During the programme progress of year 2012-13 was reviewed and Action Plan of the year 2013-14 was finalized for all the KVKs. The KVKs exhibited the best technology of their district which was appreciated by Sh. Birendra Pratap Singh, Hon'ble Minister of State (Agriculture), Govt. of M.P., Dr. K.D. Kokate, Hon'ble DDG (AE), ICAR, Dr. Anupam Mishra, ZPD and Director Extension of the State Agriculture Universities of M.P., Chhattisgarh and Odisha. The KVKs of Jhabua and Khandwa were felicitated with the "Best Poster Award".



Scientific Advisory Committee Meetings

- Scientific Advisory Committee Meeting (Pre-Kharif) was organized by different KVKs of RVSKVV, Gwalior.

A Consortium Advisory Committee (CAC)

- The CAC meeting was organized at KVK, Jhabua on 15 June, 2013 of NAIP, Dr. A. Alam, Hon'ble Member, Board of Management of the University graced the meeting as a special invitee.



Visits Abroad

- Professor A.K. Singh, Vice Chancellor attended a Selection Committee Meeting as a member of the panel for selection of Executive Director VFRC/IFDC at Washington, DC, USA during 05-06 March, 2013.
- Dr (Mrs.) Moly Saxena, College of Agriculture, Sehore; Dr R. S. S. Tomar and Dr. S.K. Sharma, College of Agriculture, Indore visited Brazil under JICA, Project on "Maximization of Soybean Production in M.P." for the learning trip on "Soybean cultivation techniques and its extension activities" during 17 January - 02 February, 2013.

- Dr. S.R. Ramgiry, Principal Scientist, Plant Breeding, R.A.K. College of Agriculture, Sehore presented a paper in the World Soybean Research Conference at South Africa during 17-22 February, 2013.
- Dr D. R. Saxena, College of Agriculture, Sehore and Dr. R. K. Singh, College of Agriculture, Indore visited Japan under JICA, Project on "Maximization of Soybean Production in M.P." for research, planning and discussion with Japanese counterpart from 11-18 May, 2013.
- Dr. A. N. Tikle, Senior Scientist (Plant Breeding), R.A.K. College of Agriculture, Sehore attended the First Legume Society Conference on 09-11 May, 2013 at Novi Sad, Serbia and presented the research paper entitled "Adopting high yielding cultivars for enhancing legume productivity in rainfed farming system". He also attended the first review meeting and presented the progress of IFAD project "Sustainable management of crop based production system for raising agricultural productivity in rainfed Asia" from 16-18 May, 2013 at Vientiane, Laos.

Visits of Dignitaries

Visiting Faculty	Institute/ University	Visited	Period
Dr. P. M. Gaur, Principal Scientist	ICRISAT, Hyderabad	RAK College of Agriculture, Sehore	17 January, 2013
Prof. M. Gopinath Reddy and Dr. B. Suresh Reddy (Scientists)	Centre for Economic and Social Studies (CESS), Hyderabad	Gwalior, Morena, Indore and Khargone district	16-18 January, 2013
Dr. P. Padmavati, Senior Safflower Agronomist and Dr. Kadirvel, Safflower Breeder	Directorate of Oilseeds Research, Hyderabad	College of Agriculture, Indore	01 February 2013
Dr. N.P. Singh, Project Coordinator (Chickpea)	IIPR, Kanpur	Rajgarh district	02 February, 2013
Dr. S. K. Ambast, Project Coordinator	AICRP on SAS, CSSRI, Karnal		07-10 March, 2013
Dr. K.D. Kokate, DDG(Ag. Ext.),	ICAR, New Delhi	Dhar and Jhabua, KVK	20-21 April, 2013
Sh. Ravindra Pastore	Commissioner (MNERGA)	KVK, Jhabua	25 June, 2013
Sh. H.S. Mehar, Joint Director now the Registrar	Department of Farmer Welfare and Agriculture Development	KVK, Shivpuri	08 January, 2013

HRD

- Seven scientists/teachers of the University participated in various Winter/Summer Schools.

Awards and Honors

Farmers Honoured

- A progressive farmer, Shri Chandan Singh Tomar of NICRA village Dimani, Morena was honored by Shri Narendra Singh Tomar, Member of Parliament, Morena. 
- A NAIP farmer Shri Babu (Chota Gudda) was awarded with **Certificate of Appreciation** on the occasion of Republic Day i.e. 26th January, 2013 with the **cash prize of ₹ 10000/-** by Collector, District Jhabua for special achievement in *Kadakhnath* production and crop production. 

Breed Saviour Award

- Shri Humji s/o Shri Bhura, a NAIP farmer was awarded with **Breed Saviour Award 2012** and cash prize of ₹ 10,000/- for his contribution in conservation and utilization of *Kadakhnath* poultry breed on 09 March, 2013 at NBAGR, Karnal.



OTHER ACTIVITIES

Best Samooth Award

- Balram Seed Society, Jhabua was awarded with **Certificate of Appreciation** on the occasion of Republic Day i.e. 26th January, 2013 with the **cash prize of ₹ 20000/-** by Collector, District Jhabua for special contribution in seed production. This society was formed by KVK under NAIP.



Certificate awarded for best poster presentation

- Dr. I. S. Tomar and Dr. D. K. Vani Programme Coordinators of KVK, Jhabua and Khandwa, respectively, were awarded by DDG, ICAR, Dr. K. D. Kokate and Minister, Govt. of M.P. Sh. Bijender Singh for their work done during Zonal Workshop at Chitrakoot from 21-23 June, 2013.



- The Village level committee under NICRA programme was awarded with the best prize in Zone VII during the 2nd Annual Workshop of NICRA at ICAR, New Delhi during 17-19 June, 2013. During the programme Hon'ble Secretary DARE and DG, ICAR Dr. S. Ayappan gave the certificate of appreciation to Dr. R.K.S. Tomar, Programme Coordinator with Chairman of the village level committee (VCRMC, Sanora).



Publications

Reports/Books/ Book Chapters/ Research Papers/ Instructional Manuals etc.

- Two instructional manuals from the Department of Entomology and one research manual on "Climatic Change" were prepared and published in the year 2013. These manuals were released by the Hon'ble Vice Chancellor Prof. A.K. Singh on 06 June, 2013.



Reports

- University Annual Reports 2009-10, 2010-11 and 2011-12 were published during this period.
- Research Highlights 2010-11, RVSKVV, Gwalior
- Extension Highlights 2011-12, RVSKVV, Gwalior

Books

- Gupta, S. and Hada, N. (2013). Conservation Agriculture– the new paradigm. Biotech books, New Delhi.

Book Chapters

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Appointments

Shri Hoshiyar Singh Mehar joined as Registrar of the University w.e.f. 05.02.2013.



Dr. R.L. Rajput joined on the post of Director Instructions w.e.f. 15.02.2013.



Dr. Y.M. Kool joined on the post of Director Planning and Farm Development w.e.f. 15.02.2013.



Superannuation

Shri Ramphal	Driver	College of Agri., Gwalior	31.01.2013
Shri D.K. Sharma	Asstt. Grade-I	College of Agri., Gwalior	31.01.2013
Shri Dhanlal	Pump Driver	College of Agri., Sehore	31.01.2013
Shri Prem Ku. Goswami	Jeep Driver	College of Agri., Indore	31.03.2013
Smt. Sheela Verma	Scientist	College of Agri., Indore	30.04.2013
Shri S.K.S. Chauhan	F.E.O.	College of Agri., Gwalior	30.06.2013
Shri H. B. Gunjal	Driver	College of Agri., Indore	30.06.2013

Obituary

Shri K. M. Pathak, F. E. O., C. o. A., Gwalior passed away on 08.04.2013. His contribution to the University will always be remembered.

- 26 जनवरी 2013 को विश्वविद्यालय में गणतंत्र दिवस पर्व मनाया गया। इस अवसर पर कुलपति प्रो. ए.के. सिंह ने ध्वजारोहण किया।
- इंदौर में जल एवं भूमि प्रबंधन पद्धतियों की प्रदर्शन इकाई का उद्घाटन कुलपति प्रो. ए. के. सिंह ने 6 जून 2013 को किया।

खेल एवं सांस्कृतिक गतिविधियाँ

कृषि महाविद्यालय, इंदौर की बी.एस.सी. कृषि (प्रथम वर्ष) की छात्रा कु. नेहा राजावत ने भुवनेश्वर में सम्पन्न अंतर विश्वविद्यालय वक्तव्य प्रतियोगिता में प्रथम स्थान प्राप्त किया। ग्यारहवीं कृषि विज्ञान कांग्रेस के दौरान “कृषि शिक्षा-भारत का संवरता भविष्य” विषय पर 8 फरवरी 2013 को यह प्रतियोगिता सम्पन्न हुई।

रोजगार सेल

देश की प्रतिष्ठित संस्थाओं में 64 विद्यार्थियों का चयन विश्वविद्यालय रोजगार केन्द्र के माध्यम से हुआ।

नवीन किस्म की पहचान

कृषि एवं सहकारिता विभाग, कृषि मंत्रालय, भारत शासन के द्वारा चने की नई किस्म राज विजय-203 (आर.व्ही. जी-203) की पहचान अधिसूचना क्रं. S.O.312(E)1, फरवरी 2013 को मध्य प्रदेश, गुजरात, महाराष्ट्र, उत्तर प्रदेश और राजस्थान के लिए की गई। सौ दिन में परिपक्व होने वाली इस किस्म की उत्पादन क्षमता 1900-2000 किग्रा/हे. है तथा यह फ्यूजेरियम विल्ट तथा शुष्क जड़ सड़न के प्रति प्रतिरोधक है। देर से बोने के लिए इसकी अनुशंसा की गई है।

सफलता की कहानी

अदरक की खेती : धार के किसानों के लिए आमदनी का एक नया जरिया धार जिले के नचेला विकासखंड के ग्राम अवलिया निवासी 47 वर्षीय किसान श्री सीताराम निंगवाल के पास 0.2 है कृषि भूमि है। कम आमदनी के कारण परिवार की आवश्यकताओं को पूरा करना उसके लिए कठिन होता जा रहा था। उसके जीवन में बदलाव आया राष्ट्रीय समन्वित कृषि विकास परियोजना (NAIP) के वैज्ञानिकों के संपर्क में आने से जिन्होंने उसे अदरक उत्पादन के लिए प्रोत्साहित किया। वैज्ञानिकों ने उसे अदरक की उन्नत किस्म सुप्रभा का बीज दिलवाया साथ ही टपक सिंचाई एवं उर्वर सह सिंचाई प्रणाली अपनाने की सलाह दी।

भूमि की तैयारी के लिए सीताराम ने गहरी जुताई के बाद 5 टन/हे. गोबर का खाद डाला। उसने 1.5 मीटर ऊंची उठी हुई क्यारी 90 सेमी की दूरी पर बनाकर 30-30 सेमी की दूरी पर जून 2012 अंतिम सप्ताह में इसकी बोवनी की उसने 12 कि/हे. की दर से बीज बोया। समय पर खरपतवार नियंत्रण कर 20

किग्रा/कैल्शियम अमोनियम नाइट्रेट खाद टपक सिंचाई पद्धति से एक सप्ताह के अंतराल से दी। उसने कीटनाशक दवाई प्रोफेनोपन का 1.01/हे की दर प्रयोग thrips पर नियंत्रण के लिए किया।

श्री सीताराम को 132.0 कि/हे उपज प्राप्त हुई, जिसे ₹35/प्रति किलो की दर से मंडी में बेचने पर उसे ₹ 4,62,000 की आय हुई। इसमें से खेती पर हुए व्यय ₹ 76,800/- को घटाने पर शु) लाभ ₹ 3,85,200/हे. प्राप्त हुआ। इस प्रकार अदरक की खेती धार जिले के किसानों के लिए अच्छी उपज का एक जरिया बनकर सामने आया।

श्रीमती शशि छारी – एक सफल मशरूम उत्पादक

यह सफलता की कहानी है श्रीमती शशि छारी नामक महिला की। मुरैना जिले के पोरसा विकास खंड के अरबीपुरा ग्राम में उनकी छोटी सी खेती है। गरीबी के कारण उनके लिए परिवार चलाना कठिन था। कृषि विज्ञान केन्द्र मुरैना के द्वारा लगातार प्रोत्साहन के कारण उनकी जिंदगी में बदलाव आया। उसने वैज्ञानिकों की देखरेख में 20 बैग से ऑयस्टर मशरूम उत्पादन 2009-10 में प्रारंभ किया। ताजा मशरूम को वह निकट के बाजारों में 60-70 ₹/किलो की दर से बेचती थी। खराब सड़कों एवं यातायात के साधनों के अभाव से लगभग 30 प्रतिशत मशरूम का उत्पादन खराब हो जाता था।

कृषि विज्ञान केन्द्र, मुरैना के वैज्ञानिकों के अथक प्रयासों से श्रीमती शशि ने ताजा मशरूम को सुखाकर उसकी उपयोग अवधि को छः माह तक बढ़ाया और इसे भोपाल और ग्वालियर के बाजारों में ₹ 400 प्रति किलो की दर से बेचना प्रारंभ किया। मशरूम को सुखाने से इसका भार भी कम हुआ और इसका परिवहन सरल हो गया। आज शशि ने अपने मशरूम बैग की संख्या 20 से बढ़ाकर 3000 कर ली है और वर्ष 2013-14 में उसने एक लाख रु. लाभ कमाया इनके साथ ही सूखे मशरूम की बिक्री से उसे ₹ 4.5 लाख का लाभ पूरे वर्ष के दौरान हुआ। आर्थिक सशक्तीकरण से आज उसका परिवार सम्पन्न एवं सुखी है और वह पूरे आत्मविश्वास से ग्राम की अन्य महिलाओं को मशरूम उत्पादन की तकनीक सिखाने लगी है।

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