



**AGRICULTURAL
SCIENCE & TECHNOLOGY
NEWSLETTER**

RVSKVV

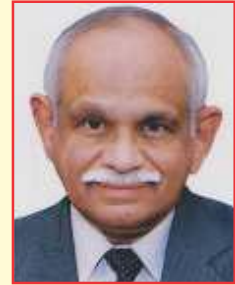
News

In this issue

- Events
- What's New?
- Research Activities
 - ◆ New Projects
 - ◆ New Varieties Notified
 - ◆ Consultancy Processing Cell
 - ◆ Reflections of On-going Projects
 - ◆ Breeder seed production
 - ◆ Collaborations
- Academic
- Extension Activities
- Seminars/Symposia/
Workshops/Conferences/
Meetings
- Other Activities
 - ◆ Visits Abroad
 - ◆ Prominent Visitors
 - ◆ HRD
 - ◆ Awards/Honours
 - ◆ Nomination
 - ◆ Publications
 - ◆ Superannuation
 - ◆ Obituary
- A profile of College of
Agriculture, Indore
- समाचार सारांश

From the Vice-Chancellor's Desk

Accreditation provides quality assurance by academic institutions over the period of accreditation. Accreditation by International Accreditation Organizations permit to register foreign students in accredited institutions as well as pave the way for registration of Indian students in foreign countries. Therefore, it is a matter of pride that RVSKVV was awarded International Accreditation by International Accreditation Organization (IAO), USA on November 2013.



The research strategy in future must lay greater emphasis on sustainability and profitability, increased input use efficiency, diversification, use of bio-resources, post harvest management, value addition and international quality standard. These along with our knowledge about local and region specific problems will serve as guiding principles for our future thrust areas. I strongly feel the need for further consolidation of already existing linkages between the University and the line departments for effective delivery of evolved technologies at the door steps of farmers. A network of 19 KVKs are actively engaged in assessment of the technologies generated for their location specificity, its refinement and dissemination to the grass root clientele through capacity building of the field functionaries, farmers, rural youth as well as their demonstration at the farmers field in the participatory mode using all modern tools including ICT.

I am sure the efforts made by the University together with the generous support of the State Government, ICAR and other National/International agencies will help in increasing the agricultural production, improving the economic status of the farming community and advancing research in agriculture and allied sectors which will ultimately ensure the livelihood and nutritional security of the people of the State.

The University will continue in its pursuit of excellence and maintain high academic standards. It will be my sincere endeavor to provide a suitable environment with transparency, impartiality and fairness to all the teaching and non-teaching personnel as well as the students of the University so that all work in a harmonious manner at their full potential so vital to face the challenges. I am sure that working as a team, would enable the University to attain new heights of achievements.

(A.K. Singh)

Patron

Prof. A. K. Singh
Vice Chancellor

Editorial Committee

Dr. H. S. Yadava
Director Research Services

Dr. S. S. Tomar
Director Extension Services

Dr. K. V. Singh
Technical Officer V.C. Cell
(Member Secretary)

Shri Y. M. Indapurkar
Public Relations Officer

Shri K. K. Yadav
In charge Communication Centre

EVENTS

2nd Convocation Ceremony of RVSKVV

The Second Convocation of Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior was held on July 12, 2013. HE, the Governor of Madhya Pradesh and Chancellor of the University Shri Ram Naresh Yadav Ji presided over the function. Dr. R.S. Paroda, Chairman, Haryana Farmers Commission and Trust for Advancement of Agricultural Sciences (TAAS), Former Secretary, DARE and DG, ICAR, New Delhi delivered the Convocation address. Dr. Ramkrishna Kusmaria, Hon'ble Minister, Farmer Welfare and Agriculture Development, Govt. of M.P. was Guest of Honour. Prof. A.K. Singh, Vice-Chancellor presented the University progress report. A total of 520 students were awarded UG and PG degrees and five students received Gold Medals.



HE, the Shri Ram Naresh Yadav addressing the convocation

research and extension activities alongwith the developmental programmes of the University. Dr. D.N. Tiwari, President, Utthan, Center for Sustainable Development and Poverty Elevation, Allahabad presided over the function.



Dignitaries (L-R) Prof. A.K. Singh
Dr. Y.L. Nene, Dr. D.N. Tiwari and Dr. N.S. Tomar

Independence Day

RVSKVV celebrated the 67th Independence Day with great fervor and gaiety on 15th August 2013. Prof. A.K. Singh, Vice Chancellor hoisted the National Flag and accepted the Guard of Honour presented by Major Dr. H.S. Bhadoria, NCC Officer and NCC cadets. During his Independence Day address, he paid tribute to the martyrs of the freedom struggle and highlighted the role of agriculture in the national economy and community development. The whole campus came alive with a sprit of patriotism. Students presented a colourful cultural programme.



5th Foundation Day of RVSKVV

The 5th Foundation Day of Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior was observed with a day long programme on August 19, 2013. On this occasion, Dr. Y.L. Nene, Ex. DDG, ICRISAT and Chairman, Asian Agri-history Foundation, Sikandrabad was present as Chief Guest of the program and delivered a key lecture. Prof. A.K. Singh, Vice Chancellor highlighted the teaching,

What's New ?

● International Accreditation

RVSKVV was awarded International Accreditation by International Accreditation Organization, USA.



● Launching of Diploma Course in Organic Farming

A one year diploma course on Organic Farming was inaugurated by Dr. Ramkrishna Kusmaria, Hon'ble Minister, Farmer Welfare and Agriculture Development, Govt. of M.P. on dated September 20, 2013.



● Prof. A.K. Singh, Vice Chancellor inaugurated newly constructed library building, launched the college website, R.D.P. thin client system for Library, East wing of first floor of College building on 23 August, 2013 at College of Agriculture, Khandwa.



Launching of College Website

Inauguration of West wing of College Building

Automatic seed processing unit inaugurated

Newly established automatic seed processing unit, RAK College of Agriculture, Sehore was inaugurated on August 26, 2013 by Prof. A. K. Singh, Vice Chancellor. Shri Karan Singh, Hon'ble Member of Board, Dr. H. S. Yadava, Director Research, Dr. S. S. Tomar, Director Extension, Dr. S. S. Tomar, ADR and Dr. V. S. Gautam, Dean, College of Agriculture, Sehore also graced the function. Prof. Singh visited the farm for an overview of the research and seed production activities.



Inauguration of ASPU, Sehore

Prof. A. K. Singh, Vice Chancellor inaugurated newly constructed Ayurvedic Dispensary Building at Krishi Colony, Gwalior on December 16, 2013.



RESEARCH ACTIVITIES

New Project

- Invitro approaches in development and commercial production of Charoli (Buchmanialenzen) plantlets. Outlay ₹ 3.78 lakh. PI : Dr. P. D. Gaikwad and Dr. D. K. Shrivastava.
- Development of chickpea varieties for mechanical harvesting and herbicidal tolerance. Outlay ₹ 64.44 lakh. PI : Dr. M. Yasin and Dr. M.D. Vyas.
- NAIP Mobile seed processing unit. Outlay ₹ 46.55 lakh. CPI : Dr. H. S. Yadava.
- Generation, advancement and development of new genotypes through pre-breeding in lentil. Outlay ₹ 20.72 lakh. PI : Dr. Ashok Saxena.
- Addressing PB disease : an emerging threat to pigeonpea and production. Outlay ₹ 53.90 lakh. PI : Dr. D. R. Saxena.

New Variety Notified

Raj Vijay Mustard 2 : Mustard variety RVM 2 was notified vide SO 2815(E) 19.09.2013 by Department of Agriculture and Cooperation, Ministry of Agriculture, Government of India for cultivation in the states of Delhi, Haryana, Jammu, Punjab and Rajasthan. This variety was developed by pure line selection from Chambal germplasm MRNJ 65. The plants are medium stature with semi-prostrate habit, sparse leaf hairiness



RVM 2 : A New Mustard Variety

without pigmentation in nodes at flowering stage of the crop. Seeds are dull brown with long siliqua. It matures in 120 to 141 days with mean of 129 days. The variety is tolerant to white rust. The average yield is 1674 kg/ha which is 18.47% higher seed yield over Vardan and possess 39.2% oil content in seed.

Crop varieties registered in PPV and FR

JG 16 : Chickpea variety JG 16, developed at RAK College of Agriculture, Sehore was registered in PPV and FR having registration No. 126/2013 dated 22.08.2013 and protection validity period up to 01.02.2016. Similarly, cotton variety JK 35, developed at BM College of Agriculture, Khandwa was allotted the registration No. 80/2013 with protection validity up to 19.07.2022.

Consultancy Processing Cell

An amount of ₹ 66.31 lakh was generated under CPC for the testing of products/varieties/hybrids in cotton, chickpea, soybean, maize, onion, potato, tomato, chilli, green gram, pigeon pea, black gram and banana from 21 companies during July to December 2013.

Reflections of On-going Projects

Root stocks for grape propagation

Among three roots stock tested for the propagation grape cultivars of table, juicy, wine types and seedless, dogridge was identified as the most promising having least mortality percentage (6.80%) followed by salt creek (25.97%). Rootstock 110 R recorded the highest mortality of 32.80%. Grape cultivars Flame seedless, Sharad seedless, A 18-3, Kishmish Chernyi, Crimson seedless, Medika, Pusanavrang, Arkashyam and Bangalore blue are early in fruit bearing.



Fruit bearing habit in grape cultivars

New promising hybrids/composites in pearl millet

Out of 120 new pearl millet hybrids developed, Hyb 98444A 15510, 98444A 14162, 98444A 15762 and 94111A RVS08/7 appeared promising during rainy season of 2013. Similarly, hybrids/ composites namely, ICTP 8203, ICMV 221, Pusa 23, 86 M 86 and NBH 1134 were found to have higher Fe (iron) and Zn (zinc) content in grains.



New Pearl millet Hybrids

RESEARCH ACTIVITIES

Sowing geometry and irrigation in chickpea

Based on two year results, sowing on BBF + one row of intercropping of wheat resulted in significantly higher grain yield (2428 kg/ha) over flat bed sowing. Two – irrigations, one each at branching and pod development, gave significantly higher grain yield. Kabuli chickpea variety RVSJKG 102 performed better in closer spacing of 30 x 10 cm over wider spacing of 4510 cm and gave highest grain yield.

Irrigation schedule with micro-irrigation system in chickpea

Method and schedule of irrigation significantly influenced seed yield in chickpea in sandy loan soil of Gird region. The water use efficiency, production efficiency and nutrient use recorded highest with sprinkler irrigation and 0.6 IW/CPE schedule of irrigation.



Chickpea crop raised with sprinkler irrigation

Irrigation method and schedule for turmeric

Porus pipe irrigation method recorded the highest rhizome yield of 196.3 q/ha at 0.8 IW/CPE ratio irrigation schedule. The yield traits, WUE(232.03 kg/ha-cm) and production efficiency (80.1 kg/ha/day) were also significantly enhanced in this method and schedule of irrigation in turmeric. Basin method of irrigation was found least effective having lowest rhizome yield. Net return and additional income was also highest in porus pipe irrigation method (₹ 3.23 Lakh/ha) and irrigation schedules of 0.8IW/CPE (₹ 2.96 Lakh/ha) with B : C ratio of 5.63 and 5.22, respectively.



Porus pipe irrigation system in turmeric

High yielding and heat tolerant lines of lentil identified

Among 180 lines received from ICARDA and screened for heat tolerance during winter season of 2012-13, genotypes IG 69517, IG 70174, IG 70283, IG 4208, IG 4242, IG 4258, IG 3265, IG 4253, IG 3112, IG 4060, IG 3895, IG 3907, IG 2639, IG 2820 and IG 2849 appeared promising and identified for heat tolerance with high yield and early maturity in lentil.

Molybdenum application in lentil

The effect of molybdenum on productivity of lentil in soybean based cropping was determined. Seed treatment with Amoniummolybde @ 1.0 g/kg seed + *Rhizobium* + PSB along with recommended dose of fertilizer recorded 44% higher grain yield (1328 kg/ha) as compared to rest of the treatments.

Efficient modules for sustainable ravine management

Diversified cropping systems viz., horti–pastoral, agri–horti, silvi- medicinal and silvi - pastoral modules are designed and implemented for ravineous land management. Survival and growth of Aonla, Ber and Drumstick in fruit plants, Arjuna, Mahuwa, Neem, Gugal and Karanj in medicinal plants and Siras, Babool, Sheesham and Khamer in forest trees are satisfactory.



Breeder seed production

A total of 2319 quintals of breeder seed was produced in different crops during *kharif* 2013. The share of soybean breeder seed was highest followed by paddy and green gram while it was lowest in groundnut. The varieties involved in breeder seed production were JS 95-60, JS 93-05 and JS 335 in soybean; Kranti, Pusa Sugandha 3 and Pusa Sugandha 4 in paddy; TJM 3 in green gram; T 9 in black gram and JGN 23 and JGN 3 in groundnut.

Micro –irrigation and fertigation system for cotton research

The availability of water is expected to decline in coming decades due its increasing demand by the urban and industrial sectors. There is, therefore, an urgent need to manage it efficiently. In order to standardize the technologies to save the water and optimum its use, micro-irrigation and fertigation system was established with financial support from RKVY for promoting the research on these aspects in cotton.



MIFS for cotton

Collaborations

- An Agreement was signed between RVSKVV and ICRISAT, Patancheru for NFSM-approved project entitled “Developing chickpea cultivars suited to mechanical harvesting and tolerant to herbicides” for R.A.K. College of Agriculture, Sehore on 09.12.2013.
- MOA between RVSKVV and International Center for Agricultural Research in the Dry Areas (ICARDA), New Delhi for the project entitled “Increasing food legumes production by small farmers to strengthen food and nutrition security through adoption of improved technologies and Governance within South-South Cooperation” was signed on 28.08.2013.

ACADEMIC

Students Accomplishments

Three students of KNK College of Horticulture, Mandsaur were selected for the Agricultural Research Service-2012 (held on 30.06.2013). They are Brij Bihari Sharma, Azeze Seyie and Pawan Singh Gurjar.

Vocational Trainings

Title	Date	Venue
Multiplication of elite planting material	09-13 Sept., 2013	KVK, Gwalior
Value addition in Soybean for farm women	7-11 Oct., 2013	KVK, Dewas
Value addition of Soybean-Pearl millet	19-21 Nov., 2013	KVK, Morena
Hi-Tech Horticulture	27-30 Nov., 2013	KVK, Gwalior
Mushroom production: A business of profit	04-07 Dec., 2013	KVK, Morena
Fruit and Vegetable preservation	9-14 Dec., 2013	KVK, Khandwa
Bee keeping, Honey testing, Processing, Packaging and Marketing	10-13 Dec., 2013	KVK, Morena
Management of Milch Animals	17-19 Dec., 2013	KVK, Gwalior

Sponsored Trainings

Title	Date	Venue
Vermi-Composting and Vermi Culturing	28 June–12 July, 2013	KVK, Gwalior
Bio-Fertilizers	23 Sept.–10 Oct., 2013	KVK, Gwalior

Farmers Trainings

Title	Date	Venue
Enhancing water productivity through ridge & furrow method in Soybean (MPWSRP)	24 July, 2013	KVK, Sheopur
Farm mechanization programme	27 July, 2013	KVK, Jhabua
Production technology of selected crops as per availability of water (MPWSRP)	26 Sept., 2013	KVK, Sheopur
Seed treatment technology and their impact	27 Sept. to 25 Oct., 2013	KVK, Jhabua

In-service Trainings

Title	Date	Venue
IPM in <i>kharif</i> crops	4-5 July, 2013	KVK, Jhabua
High-tech production technology of chilli	04 Oct., 2013	KVK, Khandwa
Production and management technique of garlic	10 Oct., 2013	KVK, Sheopur

Capacity Building Trainings Conducted by Directorate of Extension Services, Gwalior

Title	Date	Venue
Crop Management Practices under Changing Climatic Scenario	6–7 August, 2013	RVSKVV, Gwalior
Effective Communication Skills for Scientists/ Professors	29–31 August, 2013	RVSKVV, Gwalior
Soil Health Maintenance and its Analytical Techniques for Sustainable reduction	9–10 Sept., 2013	RVSKVV, Gwalior

Rural Youth Trainings

Title	Date	Venue
Mushroom cultivation	03 July to 03 August, 2013	KVK, Dewas
Scientific technologies on Vermi composting	15-16 July, 2013	KVK, Jhabua
Production techniques of Oyster mushroom	2-6 Sept., 2013	KVK, Gwalior
Seed Production	24 Sept.-30 Oct. 2013	KVK, Khandwa
Food Processing	18-22 Nov., 2013	KVK, Gwalior

EXTENSION ACTIVITIES

Field days

Title	Date	Venue
Demonstrated improved technology in Maize	08 August, 2013	Village Bisoli, Jhabua
Demonstrated improved soybean technology	28 Sept., 2013	Village Lakhpura, Jhabua
Moong IPM 2-4	07 November, 2013	Village Jaganpur, Lahar

Parthenium Eradication and Technological Week Celebration

Parthenium Eradication and Technological Week Celebrated by different Colleges and KVKs of RVSKVV, Gwalior.

Special Day Celebration

- **World Food Day 2013 celebrated** : The World Food Day was organized at the Mihoni Village under Lahar block on Oct. 16, 2013,
- **World Feeding Day 2013 celebrated** : The World Feeding Day was organized at KVK, Khargone on August 07, 2013.

On Farm Testing (OFT)

An OFT was conducted on raised-bed furrow method in gram crop on the field of five farmers in October 2013. ATMA Dewas also adopted this technology and conducted demonstrations in 200 ha land in the Dewas district under 5000 farmers programme.

Kisan Sangoshti

- A sangoshti was organized by KVK, Jhabua at NAIP Village Rotla; in which 108 farmers and farm women participated from Golabdi, Vaglawat and Rotla villeges on Sept.07, 2013.
- A Successful Rabi Krishak Sangoshti was organised by Krishi Vigyan Kendra (RVSKVV) Ujjain at Village Borkhedi on Oct. 30, 2013.
- Krishak Sangoshti for farmers and farm women on frost management in Mustard in low line area conducted by KVK, Sheopur on 25 Dec., 2013.

Veterinary Health Camp

KVK, Dewas and KVK, Ujjain organized animal health camps in the adopted villages of Narana and Kankariyachand, respectively, with the help of Veterinary Deptt. during this period.

Farmers interaction Days Organized

Farmers' interaction days were organized during September 11-13, 2013 at Gwalior, Morena, Khargone and Dewas jointly by RVSKVV, local NGOs and ICRISAT. The Indo-US Consortium for the Sustainable Advanced Ligno-cellulosic Biofuel Systems (SALBS) aims to develop and optimize selected biomass feedstock (High biomass and BMR varieties of Sorghum, Pearl millet, Bamboo and Switch grass) based advanced biofuel value chains. This calls for improving Sorghum and Pearl millet productivity in the marginal lands of Madhya Pradesh. Towards this goal, multilocation trials of biomass Sorghum and Pearl millet were conducted at five locations (Gwalior, Lahar, Morena, Khargone and Dewas) by the University with the technical support of ICRISAT and the Directorate of Sorghum Research (DSR).

Success Stories

Hi-Tech Nursery under Poly house

Shri Jaidev Patidar, Progressive Farmer, Village Anjad (Badwani) adopted this technology at large scale. Initially he started raising of chilli seedlings in seedlings trays filled with coco peat under protected structure viz insect proof net house (40x20 mt.). After the continued technical guidance of KVK Scientists, he established a naturally ventilated Poly-House (4000 m²) subsidized with National Horticulture Mission (total cost of poly house is ₹ 37.40 lac). Presently he has raised 15 lac seedling of chilli on demand basis for the farmers. He obtained an income of ₹ 15 lac from the poly house within 40-50 days during summer 2013.



Flower cultivation for higher income under TSP

Harinaryan Mali farmer of Badwani harvested 62 quintal Marigold flower from one acre area (153 q/ha) as compared to 42 quintal per acre from desi local Marigold variety. The total cost of cultivation was ₹ 10200.00 (demonstration). He earned total ₹ 28000.00 net return from one acre area which is 77% more as compared to traditional Marigold cultivation.

A new IFS module for LHS of tribal farmers

Shri Veer Singh S/o Shri Ditiya Ji, Village Chotta Gouda is a young farmer (32 years old) having a holding of 2.5 ha. His financial condition was not good as their family completely depended on agriculture. He grew mostly Maize, Soybean, Blackgram and Wheat by traditional methods in rainfed farming. Due to low crop productivity and consequent income i.e. ₹ 35000 per year, his whole family had to migrate to neighbouring states for employment and extra income. The NAIP scientists

encouraged him for crop diversification involving vegetables, adoption of improved production technologies and Kadaknath rearing.

Accordingly, he started innovative cultivation of vegetable crops like Okra, Brinjal and Chilli in a small area depending on water availability along with Maize, Soybean and Wheat. He also adopted improved varieties, IPM, INM and IWM techniques. With increase in crop productivity by 25 to 40 % and consequence high production, he obtained more profit and income. After getting the additional income from rainfed farming, he constructed a *Kadaknath* shed from his own income and some help from NABARD. Now he is applying the scientific crop production technologies, water conservation measures and NAIP innovated *Kadaknath* farming technique. Currently, his family remains engaged about 8-9 months in farming activities. This year, he earned ₹ 73 thousand from crop cultivation, ₹ 76 thousand from *Kadaknath* rearing, ₹ 31 thousand from livestock production and ₹ 52 thousand from vegetable cultivation. Effectively, he earned ₹ 2.32 lakh from new IFS module. He is also actively participating in training programmes, *Kisangosthi*, Farmers fair, exposure visit conducted by KVK, Jhabua. He is awarded by **Certificate of Appreciation with a cash prize of ₹ 25,000/-** by Department of Farmer Welfare and Agriculture Development and ATMA for his special achievement in agriculture and *Kadaknath* rearing

Statutory Meetings

Board of Management

The 14th meeting of Board of Management was held on 11 July, 2013 under the chairmanship of Prof. A.K. Singh, Vice Chancellor, RVSKVV, Gwalior.

Academic Council

The 16th and 17th meeting of Academic Council of RVSKVV, Gwalior were held on 8 July, 2013 and 24 Dec., 2013 respectively, under the Chairmanship of Prof. A.K. Singh, Vice Chancellor.

Administrative Council

The 9th meeting of Administrative Council of RVSKVV, Gwalior was held on 24 Dec., 2013 under the Chairmanship of Prof. A. K. Singh, Vice-Chancellor.

National Conference organized

A National Conference on "Making Agriculture Profitable" was organized by RVSKVV, Gwalior and M.P. State Agriculture Marketing Board, Bhopal during July 26-



Dignitaries (L-R) Dr. Y.M. Kool, Shri K.K. Khare, Dr. Gurbachan Singh, Prof. A.K. Singh and Dr. H.S. Yadava releasing the souvenir

27, 2013 at Gwalior. About 240 delegates from different parts of the country participated in it. The Conference was inaugurated by Dr. Gurbachan Singh, Chairman, Agricultural Scientists Recruitment Board (ASRB), New Delhi; Shri K.K. Khare, Commissioner, Gwalior region was Guest of Honour and Prof. A.K. Singh, Vice Chancellor, RVSKVV, Gwalior presided over the function.

Participation of KVK, Morena in 8th National KVK Conference

Krishi Vigyan Kendra, Morena participated in 8th National KVK conference jointly organized by ICAR New Delhi and UAS, GKVK Bangalore on 23-25 October, 2013 at Bangalore. KVK, Morena demonstrated technology of Bee Keeping, Resources conservation, Mushroom cultivation and other important technologies of the district in the exhibition. Hon'ble Director General ICAR Dr. S. Ayyapan; Prof. A.K. Singh, Hon'ble Vice Chancellor, RVSKVV, Gwalior; Prof. Patil, Vice Chancellor, IGKV, Raipur; Dr. K.D. Kokate, DDG (Extension), ICAR and Several scientists, officials, farmers and students visited the exhibition and appreciated the work of KVK.

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

- Director Extension Services participated in review meeting of vocational training programme held on July 23, 2013 under the Chairmanship of Chief Secretary, Government of M.P. at Bhopal and presented progress report of the programme.
- "KVK – ATMA coordination" review meeting was organized at Krishi Vigyan Kendra, Dewas on August 8, 2013. Dr. S.S. Tomar; Director Extension Services, RVSKVV, Gwalior and Zonal Project Director, Jabalpur reviewed the activities of all the 24 Krishi Vigyan Kendras under the jurisdiction of RVSKVV, Gwalior (M.P.).
- A Seed Review meeting was organized to review the progress in seed production and planning for winter season of 2013-14 on August 26, 2013 under Chairmanship of Prof. A. K. Singh, Vice Chancellor, RVSKVV, Gwalior at RAK College of Agriculture, Sehore.
- In an effort to switchover the E governance, a meeting was organized by Directorate of Extension Services on September 12, 2013. Programme Coordinators and Programme Assistants of all the 19 K.V.Ks. of the University participated in the programme. Dr. S. S. Tomar; Director Extension Services stressed on creation of website and CMS based linking of K.V.Ks. on the University website.
- Director Extension Services participated in the meeting at Bhopal on October 15, 2013 with Agriculture Production Commissioner, Principal



OTHER ACTIVITIES

Secretary (Agri.) Madhya Pradesh Government, Zonal Project Director and Vice Chancellors of RVSKVV, Gwalior and J.N.K.V.V., Jabalpur. Strategies for passing on maximum benefits to farmers through symbiotic relationship of K. V. Ks. with ATMA were discussed during the meeting.

● Regional Review Meeting of Central Zone of FASAL Project Organized

RRM of Central Zone of FASAL (Forecasting Agricultural output using Space, Agro-meteorology and Land based observations) Project was organized on December 9-10, 2013 at RVSKVV, Gwalior.



- “KVK–ATMA Joints efforts in M.P.” review meeting was organized on December 13, 2013 at Directorate of Extension Services, RVSKVV, Gwalior. Director Extension Services and Dr. S.R.K. Singh, Sr. Scientist, ZPD Jabalpur reviewed the activities of all the 24 Krishi Vigyan Kendras under the jurisdiction of RVSKVV, Gwalior (M.P.).

Visits Abroad

S. No.	Name of Person	Visited place	Dated
1.	Prof. A.K. Singh	Thailand	5-7 Nov., 2013
2.	Dr. H.S. Yadava	USA	23 Sept.-06 Oct., 2013
		Japan	08-14 Sep., 2013
3.	Dr. V.S. Gutam	Japan	8-14 Sept., 2013
4.	Dr. R.K. Singh	Japan	09-16 Nov., 2013

Prominent Visitors

Prominent visitors	Institute/ Organization	Place of visit	Period
Dr. S. V. Patil Director	Directorate of Sorghum Research, Hyderabad	Indore, Jhabua and Khargone	20-22 October, 2013
Dr. Hari Upadhyay, Chairperson	Centre for Environmental Agricultural Research, Extension and Development, Kathmandu, Nepal	Sehore, Shajapur and Rajgarh District	24-26 Oct., 2013

Dr. Ir. Maarten van Ginkel, DGD Research	International Center for Agricultural Research in the Dry Areas, Amman, Jordan	RAK College of Agriculture, Sehore	12-13, December, 2013
Dr. Michael Baum Director, BIGM	International Center for Agricultural Research in the Dry Areas, Amman, Jordan	RAK College of Agriculture, Sehore	12 -13 December, 2013
Dr. A. Sarkar, Regional Coordinator	South Asia and China Regional Program, ICARDA, NASC Complex, New Delhi	RAK College of Agriculture, Sehore	12 -13, December, 2013
Dr. B.B.Singh, Assistant Director General	ICAR, Krishi Bhawan, New Delhi	RAK College of Agriculture, Sehore	13, December, 2013
Dr. N. Nadrajan, Director	Indian Institute of Pulses Research, Kanpur	RAK College of Agriculture, Sehore	13, December, 2013
Dr. N. P. Singh, Project Coordinator	AICRP on Chickpea, IIPR, Kanpur	RAK College of Agriculture, Sehore	15-16, December, 2013

HRD

Twenty-three scientists / teachers of the University participated in various Winter / Summer Schools and Short Trainings.

Awards and Honors

Staff Accomplishments

- **Rajiv Gandhi Excellence Award**
International Business Council (IBC) awarded Dr. M. L. Tripathi Rajiv Gandhi Excellence Award for outstanding achievements in the field of Agriculture on September 06, 2013.
- Dr. R. K. Yadav, SMS, KVK, Jhabua was awarded with a Certificate of Appreciation on the occasion of Independence Day i.e. 15th August. 2013 for special achievement in Agriculture development under NAIP.
- Dr. S. S. Tomar, Director Extension Services was honoured by “Gwalior Vikas Samiti” on August 15, 2013 for contribution in the field of Agriculture.
- Dr. Rekha Tiwari was awarded with 3rd prize for best poster presentation in National Seminar at RVSKVV, Gwalior during July 27-28, 2013.
- Dr. R.L. Rajput, Director Instruction and Mr. Yogesh Chandra Rikhari, PA Fisheries, Krishi Vigyan Kendra, Datia received Best Poster presentation award in 14th National Agricultural science Seminar

held at **Central Institute of Fisheries Education, Versova, Mumbai** from **December 14-16, 2013**.

- Dr. I.S. Naruka, Assistant Professor, College of Horticulture, Mandasaur was awarded ISSS fellow of the Indian Society of Seed Spices for his outstanding contribution in the field of research on seed spices by National Research Centre for Seed Spices, Ajmer (Raj.) on 13th October, 2013 in the presence of Dr. S.K. Malhotra, ADG (Hort.), ICAR, New Delhi and Dr. Balraj Singh, Director, NRCSS, Ajmer (Raj.)

Farmers Honoured

- Progressive Farmers of Datia, Shri Rameshwar Kushwaha Village Kakraua; and Shri Ramesh Soyada of Jhabua were awarded ₹ 51000 along with a certificate of honour for their excellent work in Agriculture and allied sectors by Govt. of Gujarat in Vibrant Gujrat Global Agriculture Seminar on Oct. 09, 2013.

Best Samooh Award

Jai Maa Durga S.H.G., Ujjain was awarded with **Certificate of Appreciation** and a **cash prize of ₹ 20000/-** by the Collector, District Ujjain for participation in agriculture based activities and support in extension activities.

Nomination

Dr. S.S. Tomar; Director Extension Services was nominated as Chairman of the Zonal Monitoring Committee of N.I.C.R.A. by ICAR for Zone-VII. He reviewed the activities during September 3-6, 2013.

Publications

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

Reports

- University Annual Report 2012-13.

Souvenir

- Published a Souvenir on the occasion of 2nd Convocation
- Published a Souvenir cum Abstract on the occasion of National Conference on "Making Agriculture Profitable"

Books

Singh A.K. and Gangwar B. (2013). Solving the Pulses Crisis, (ISBN-9789381450482) New India Publishing Agency, New Delhi

Dagar J.C., Singh A.K. and Arunachalam A. (2014). Agroforestry Systems in India: Livelihood Security and Ecosystem Services (ISSN-1875-1199, ISBN-978-81-322-1661-2), Springer India, New Delhi.

Tomar A.S. (2014). Soil Science- A practical Perspective with glossary and Facts about the Soil (ISBN 978-81-7622-313-3). Publishers, Biotech Books, New Delhi

Dubey S.K. and Arora A. (2014). Organic farming (ISBN 978-8188805-38-9). S.R. Scientific publication. Agra.

Dubey S.K. and Sasode R. (2014). Techniques in Agril. Microbiology (ISBN 978-8188805-28-0). S.R. Scientific publication. Agra.

Book Chapters

Kaushik S.K.; Gupta, S. and Singh, K.V. (2013). Sustainable Agriculture: Current Demand for Feeding the Increasing Population, (ISBN-9789381450871) New India Publishing Agency, New Delhi: 405-417.

Manual

Sharma, S., Bhadauria, N.S. and Chatterji, A. (2013). Manual on Thesis Preparation (for P.G. and Ph.D. Degree Programme) pp. 7-32.

Practical Manual

Kureel, M.K. and Singh, K.V. (2014). A Practical Manual on production technology of vegetables and flowers, Biotech Publishers, New Delhi. (ISBN 978-81-7622-301-0) pp. 01-104

Bulletin

Singh A.K., Yadava H.S. and Singh N.P. (2013). *Jaiv Urvarkon Evam Molybdenum Dwara Channa Utpadakta Vridhi Taknik*. (released in inaugural function of 18th Annual Group Meet of AICRP on Chickpea held on August 24-26, 2013 at JNKVV, Jabalpur) pp. 01-28

Superannuation

Smt. Ramkumari Bhargava	Asstt. Grade-III	College of Agri., Gwalior	31.07.2013
Shri B.S. Gurjar	Asstt. Director (Agri.)	College of Agri., Indore	31.08.2013
Smt. Sudha Jain	Asstt. Grade-II	College of Agri., Indore	30.09.2013
Smt. Asha Chauhan	Asstt. Grade-II	College of Agri., Gwalior	31.10.2013
Sh. K.K. Jibhyankar	Driver	College of Agri., Khandwa	31.10.2013
Sh. G.N. Dubey	Asstt. Grade-II	College of Agri., Khandwa	30.11.2013
Sh. Om Prakash Soni	Driver	ZARS, Khargone	31.12.2013

Obituary

Sh. Bal Kishan, Ex. TSL, ZARS, Bagwai passed away on 21.10.2013. His contribution to the University will always be remembered.

A PROFILE

A Profile of College of Agriculture Indore

Indore is situated in Malwa region and is considered as an educational and industrial capital of Madhya Pradesh. With a view to strengthen agricultural research and development in Malwa and Nimar regions, the Institute of Plant Industry (IPI) came into existence in the year 1924.



College of Agriculture, Indore

Later on Govt. College of Agriculture was established with the merger of IPI in 1959 and became a prestigious campus of Jawaharlal Nehru Krishi Vishwa Vidyalyaya, Jabalpur, since 1964. Recently, it became a constituent unit of newly established Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalyaya, Gwalior, in the year 2008.

Agroclimatic Characters

The area under the domain of College of Agriculture, Indore has two typical agro-climatic regions viz., Malwa Plateau (Agro-climatic Region X) and Jhabua Hills (Agro-climatic Region XII). These agro-climatic regions fall in the Agro Climatic Zone V having central highlands physiography with medium to deep black soils, semi-arid climate (rainfall 500-1000 mm) and 90-120 days growing period.

Major Crops

The major crops grown in the Malwa Plateau are soybean, sorghum, pigeon-pea, maize; gram, wheat etc. whereas the major crops of the Jhabua Hills are maize, sorghum, urid, mung, pigeonpea, horse gram, rice, gram etc. There is no perennial source of irrigation. The dominating feature of the agriculture is rainfed.

Teaching

- The college has the mandate of Teaching, Research and Extension in Agriculture, covering Malwa Plateau and Jhabua Hills Agro-Climatic Zones.
- The B.Sc. (Ag.) degree programme is running with an intake capacity of 60 seats, with an additional 22 payment seats and 10 per cent seats for NRIs and foreign nationals.
- The PG programme is being run in the eight departments viz., Agronomy, Agrl. Economics, Entomology, Extension Education, Genetics and Plant Breeding, Plant Pathology, Soil Science and Horticulture with eight seats in each department.
- Rural Agricultural Work Experience and Experiential learning have been introduced as innovative programmes in UG curriculum.

- A One Year Diploma course in Organic Farming has recently been introduced at this campus.

Available Facilities

- The college has log-in facility for CeRA in the library.
- College dairy catering to milk needs of staff and students.
- College dispensary with hygienic facilities,
- Hostels (2 boys' and 2 girls') capacity of 140 boys and 109 girls,
- Sports Complex having Indoor, outdoor games and Gym set up,
- Agro-meteorological facilities,
- NCC and NSS programmes,
- ARIS cell with internet connections for both staff and students and a separate PG computer lab.
- Two well- furnished Conference halls equipped with AV facilities and a large auditorium.
- A big examination hall with seating capacity of 200 students.
- One smart class room of UG with interactive board and LCD projection.
- The UG and PG class rooms and seminar halls are well equipped with Multimedia facilities
- Lab. Facilities with the most sophisticated and advanced equipment have been developed for plant molecular biology Poly-house with controlled conditions under Hi-tech Horticulture and tissue culture laboratory.
- Laboratory for tissue culture work.

Placement Cell

The College is running a Unit of University Placement Cell. In the last five years, it has placed about 189 students under the public sector, 375 students under private sector and 07 students could start their own enterprise. This cell is not only imparting personality and skill development training but also preparing students for the interviews and other competitive exams.

Cultural and Sports Activities

The College has won '*Sahitya Kala Shiromani*' (2007-08), '*Lalit Kala Shiromani*' and '*Sangeet Kala Shiromani*' (2010-11) and was winner for solo singing (2007-08, 2008-09) as well as group dance (2009-10) The college has won gold medal in Theatre ('*Natya Shiromani*') and Dance in the year 2011-12 and 12-13 respectively.

The College was declared winner in Badminton (10-11, 12-13, 13-14) Table Tennis (08-09, 09-10 to 2013-14, Carrom 10-11, 11-12, 12-13 Chess 09-10 To 12-13, Volley Ball 09-10 To 12-13, Kho Kho 10-11 and Kabaddi 08-09.

Consultancy Services

As per the norms of the Vishwa Vidyalyaya, this college is offering consultancy services. The beneficiaries are State Govt., Pvt. Sector, NGOs, and Progressive Farmers.

College Farm

The College is maintaining a farm covering an area of about 143 ha. Out of which 69.74 ha. is put under cultivation. It is responsible for nucleus and breeder seed production of major crops viz., Soybean, Sorghum, Maize, Pigeon pea, Cotton, Safflower, Gram, Wheat etc.

Research

- Malwa Plateau Zone of Indore has been designated as the **Lead Centre** for management of black soils in kharif functioning for technology generation in sorghum, safflower, cotton, pulses, rain fed farming, salinity and city waste.
- The zone is a **Verification Centre** for pigeon-pea, chickpea, linseed, soybean, forages, cotton and potato and **Testing Centre** for wheat. The Jhabua Hills Zone has been regarded as the **Verification Centre** for maize, rice, pulses, oilseeds, pearl millets and sorghum.
- Six All India coordinated research projects are running at this centre. Besides these, the centre had 14 projects under the NATP programme and 20 *ad-hoc* Research projects which have been concluded by delivering the technologies as per the mandate.
- **The All India Coordinated Research Project for Dry land Agriculture** has evolved suitable cost effective eco friendly technologies for increasing crop production under dry land conditions
- **The All India Coordinated Cotton Improvement Project** have developed and evolved varieties and hybrids of Cotton under rain fed conditions. Amongst hybrid JKH-1 and varieties Khandwa -1, Khandwa-2 Vikram and Jawahar Kapas-35 are most promising.
- **The All India Coordinated Sorghum Improvement Project** have developed and evolved dual purpose varieties and hybrids of Sorghum with their improved production technology for higher yields of sorghum.
- **The All India Coordinated research project on Safflower** has developed and released first spineless, dual purpose, early maturing and short statured variety Raj Vijay Safflower-113. In addition to several previous once.
- **The All India Coordinated Integrated farming Systems Project** has developed sustainable, feasible, economically viable and resource efficient sequential and intercropping systems for different agro-climatic regions.
- **The project of Management of Salt Affected Soils and use of saline water** has surveyed and characterized the salt affected black soils of the State of M.P. and Gujarat, evaluated the various amendments for reclamation, screened the crops capacity for salinity tolerance, and monitored the ground water salinity and its use.
- New Research Projects like **Hi-tech Horticulture**, **A Soil Health Card Project** and two Ad-hoc projects on cotton are actively functioning at this center.

- The Centre has developed 31 varieties in various crops including 10 varieties in cotton, 06 varieties in safflower, 04 varieties and 01 hybrid in sorghum, 06 varieties in pulses, 01 each in triticale, maize, medicinal plants and aromatic plants.
- A project for maximization of soybean production in Madhya Pradesh- a technical cooperation Project by Govt. of MP supported by **Japan International Cooperation Agency (JICA)** has been functioning since June, 2011.

Extension

- Efforts are being made continuing to bridge the yield gap between the researchers' and farmers' field. The technologies generated are being disseminated through front line demonstrations, adaptive trials, conduction of field day, crop day, farmers' day, farmers' field visits, press and electronic media and training programmes / orientation programme. Five KVKs at Dewas, Dhar, Ujjain, Shajapur and Jhabua are functioning as innovative science based organizations under the jurisdiction of College and are efficiently disseminating the agricultural technologies to the farmers of the region.

विश्वविद्यालय का द्वितीय दीक्षांत समारोह

राजमाता विजयाराजे सिंधिया कृषि विश्वविद्यालय का द्वितीय दीक्षांत समारोह दिनांक 12 जुलाई 2013 को म.प्र. के राज्यपाल एवं विश्वविद्यालय के कुलाधिपति महामहिम श्री रामनरेश यादव की अध्यक्षता में सम्पन्न हुआ। हरियाणा किसान आयोग तथा ट्रस्ट फॉर एडव्हान्समेंट ऑफ एग्रीकल्चर साइंसेज के अध्यक्ष, पूर्व सचिव, भारत सरकार कृषि अनुसंधान एवं शिक्षा विभाग तथा महानिदेशक, भा.कृ.अ.प., नई दिल्ली डॉ. आर.एस. परोदा ने दीक्षांत भाषण दिया। प्रदेश के किसान कल्याण एवं कृषि विकास मंत्री डॉ. रामकृष्ण कुसमरिया विशिष्ट अतिथि थे। कुलपति प्रो. ए.के. सिंह ने विश्वविद्यालय का प्रगति प्रतिवेदन प्रस्तुत किया। इस अवसर पर पाँच छात्रों को स्वर्णपदक सहित कुल 520 विद्यार्थियों को कृषि स्नातकोत्तर एवं स्नातक उपाधियाँ प्रदान की गईं। इस अवसर पर अधिष्ठाता, कृषि संकाय डॉ. बी.एस. बघेल; संचालक अनुसंधान सेवाएँ डॉ. एच.एस. यादव; संचालक विस्तार सेवाएँ, डॉ. एस. एस. तोमर; संचालक शिक्षण, डॉ. आर.एल. राजपूत; कुलसचिव श्री एच. एस. मेहर एवं वित्त नियंत्रक श्रीमती रजनी शुक्ला सहित विशिष्ट जन उपस्थित थे।

स्वाधीनता दिवस

राजमाता विजयाराजे सिंधिया कृषि विश्वविद्यालय में 67वाँ स्वाधीनता दिवस बड़े ही उत्साहपूर्ण वातावरण में मनाया गया। कुलपति प्रो. ए. के. सिंह ने तिरंगा ध्वज फहराया तथा एन. सी. सी. अधिकारी डॉ. एच. एस. भदौरिया के नेतृत्व में कैडेट्स द्वारा गार्ड ऑफ ऑनर की सलामी ली। अपने संबोधन में कुलपतिजी ने स्वतंत्रता सेनानियों का स्मरण करते हुए राष्ट्र की अर्थव्यवस्था और सामाजिक विकास में कृषि की भूमिका पर प्रकाश डाला। इस अवसर पर विद्यार्थियों ने आकर्षक सांस्कृतिक कार्यक्रम प्रस्तुत किए।

विश्वविद्यालय का पंचम स्थापना दिवस

विश्वविद्यालय का पंचम स्थापना दिवस 19 अगस्त को मनाया गया। इस अवसर पर डॉ. वाय.एल. नेने, भूपू. उपमहानिदेशक, इक्रीसेट तथा अध्यक्ष एशियन एग्रो-हिस्ट्री फाउण्डेशन, सिकंदराबाद ने मुख्य अतिथि के रूप में उपस्थित होकर विशिष्ट व्याख्यान दिया। कुलपति प्रो. ए.के. सिंह ने विश्वविद्यालय में शिक्षा, अनुसंधान एवं प्रसार कार्यक्रमों पर प्रकाश डालते हुए विश्वविद्यालय के विकासात्मक कार्यक्रमों की चर्चा की। कार्यक्रम की अध्यक्षता डॉ. डी.एन. तिवारी, अध्यक्ष, उत्थान सेन्टर फॉर सस्टेनेबल डेवलपमेंट एण्ड पावर्टी एलिवेशन, इलाहबाद ने की।

नवीन उपलब्धियाँ

अन्तर्राष्ट्रीय मान्यता

राजमाता विजयाराजे सिंधिया कृषि विश्वविद्यालय को इंटरनेशनल एक्रीडेशन ऑर्गनाइजेशन (IAO), अमेरिका द्वारा अंतर्राष्ट्रीय मान्यता प्रदान की गई

जैविक कृषि में डिप्लोमा पाठ्यक्रम का शुभारंभ—

जैविक कृषि में एक वर्षीय डिप्लोमा पाठ्यक्रम का शुभारंभ मा. डॉ. रामकृष्ण कुसमरिया, मंत्री किसान कल्याण एवं कृषि विकास, म.प्र. शासन द्वारा दिनांक 20 सितम्बर 2013 को किया गया।

नवीन निर्माण

- कुलपति प्रो. ए. के. सिंह के करकमलों से दिनांक 23 अगस्त 2013 को कृषि महाविद्यालय, खण्डवा के नवनिर्मित पुस्तकालय भवन के पश्चिमी भाग के तल का लोकार्पण किया गया तथा महाविद्यालय की वेबसाइट का शुभारंभ किया गया।
- प्रो. ए. के. सिंह, कुलपति, रा.वि.सिं.कृ.वि.वि., ग्वालियर ने कृषि कॉलोनी, ग्वालियर में नवनिर्मित आयुर्वेदिक डिस्पेंसरी भवन का लोकार्पण 16 दिसम्बर 2013 को किया गया।

स्वचलित बीज प्रसंस्करण इकाई

- कृषि महाविद्यालय, सीहोर में स्थापित स्वचलित बीज प्रसंस्करण इकाई का उद्घाटन दिनांक 26 अगस्त 2013 को प्रो. ए.के. सिंह, कुलपति, रा.वि.सिं.कृ.वि.वि. द्वारा किया गया। इस अवसर पर श्री करणसिंह, सदस्य प्रमण्डल, डॉ. एच. एस. यादव, संचालक अनुसंधान, डॉ. एस. एस. तोमर, संचालक विस्तार, डॉ. एस. एस. तोमर, अतिरिक्त संचालक अनुसंधान तथा डी.व्ही.एस. गौतम, अधिष्ठाता, कृषि महाविद्यालय, सीहोर उपस्थित थे।

नवीन किस्म अधिसूचित

राज विजय सरसों 2 : सरसों की किस्म आर.व्ही.एम. 2 को कृषि एवं सहकारिता मंत्रालय, भारत शासन द्वारा एस.ओ. 2815 (ई) 19.09.2013 द्वारा दिल्ली, हरियाणा, जम्मू पंजाब और राजस्थान के लिए अनुशंसित किया गया है। चंबल जननद्रव्य MRNJ 65 से शुद्ध वंशक्रम के द्वारा इसका चयन किया गया है।

इसके पकने की अवधि 120 से 141 दिवस के मध्य औसत 129 दिन है। यह किस्म श्वेत किट्ट रोग के प्रति प्रतिरोधी है। इसकी औसत उपज 1674 किग्रा/हैक्टेयर है जो कि 'वरदान' किस्म से 18.47% अधिक है। बीज में तेल की मात्रा 39.2% होती है।

प्रजनक बीज उत्पादन

विश्वविद्यालय द्वारा खरीफ 2013 में कुल 2319 क्विंटल प्रजनक बीज का उत्पादन किया गया। इसमें सर्वाधिक सोयाबीन बीज के साथ ही धान तथा चने का बीज प्रमुख है। जिन किस्मों का उत्पादन किया गया उनमें सोयाबीन की जे.एस. 95-60, जे.एस. 93-05 तथा जे.एस. 335, धान की क्रांति, पूसा सुगंधा-4 तथा चने की टी.जे.एम.-3 प्रमुख हैं।

सफलता की कहानी

पॉलिहाउस में उच्च तकनीक नर्सरी

ग्राम अंजड़ निवासी प्रगतिशील किसान श्री जयदेव पाटीदार ने मिर्ची के पौध उत्पादन हेतु कृषि विज्ञान केन्द्र के तकनीकी मार्गदर्शन तथा राष्ट्रीय उद्यानिकी मिशन के सहयोग से प्राकृतिक वायु संचार पॉलिहाउस (4000 वर्गमीटर) 37.40 लाख रुपये की लागत से स्थापित किया। वर्तमान में वह किसानों की आवश्यकता के आधार पर 15 लाख पौध तैयार कर रहे हैं। वर्ष 2013 के ग्रीष्म काल में मात्र 40-50 दिन की अवधि में उन्हें पॉलिहाउस से ₹ 15 लाख की आय हुई है।

पुष्प उत्पादन से अधिक आय

बड़वानी के किसान श्री हरिनारायण माली ने गेदों की उन्नत जाति के उपयोग से एक एकड़ क्षेत्रफल में 62 क्विंटल (153 क्विं./हैक्टेयर) फूलों की उपज प्राप्त की। जबकि देशी किस्म से 42 क्विं./एकड़ की उपज मिलती थी। किसान को परंपरागत खेती से ₹ 28000/- अधिक नेट प्राप्ति हुई जो कि 77% अधिक थी।

आदिवासी किसान के जीवन में बदलाव

झाबुआ जिले के ग्राम छोटा गौड़ा के किसान श्री वीर सिंह पुत्र श्री दतिया जी का परिवार छोटी जोत और कम उपज के कारण परेशान रहता था। रोजगार के लिए परिवार के लोग बाहर जाने के लिए बाध्य होते थे। कृषि विज्ञान केन्द्र झाबुआ के वैज्ञानिकों द्वारा उसे परम्परागत खेती के स्थान पर उन्नत कृषि तकनीक, शाकभाजी उत्पादन तथा कड़कनाथ मुर्गे के पालन के विषय में प्रोत्साहित किया गया। अब उसके परिवार के पास 8-9 माह के लिए काम होता है। इस वर्ष उसने कड़कनाथ, पशुधन, शाकभाजी व कृषि से ₹ 2.32 लाख की आय अर्जित की। उसे म.प्र. शासन के किसान कल्याण एवं कृषि विकास विभाग तथा 'आत्मा' परियोजना से कृषि एवं कड़कनाथ पालन में विशेष उपलब्धि के लिए ₹ 25000/- नगद तथा प्रमाण पत्र से सम्मनित किया गया।

Published by

Information, Printing And
Communication Centre

Directorate of Extension

**RAJMATA VIJAYARAJE SCINDIA
KRISHI VISHWA VIDYALAYA**

Race Course Road,

Gwalior - 474002 (M.P.), INDIA

Telefax : +91-0751-2467673, 2467677

E-Mail : vcrvsaugwa@mp.gov.in

desrvskvv@rediffmail.com, Website : www.rvskvv.nic.in