

A Profile

COLLEGE OF AGRICULTURE TIKAMGARH (M.P.)



Jawaharlal Nehru Krishi Vishwavidyalaya
Jabalpur (M.P.)



PREAMBLE

Looking to the specific need of the Agro-climatic Zone VII - Bundelkhand Zone, Regional Agricultural Research Station was started by the Jawaharlal Nehru Krishi Vishwavidyalaya, Jabalpur on October 20, 1981 and upgraded later on to Zonal Agricultural Research Station in 1989, The foundation of the college was laid down on February 21, 2004 by Sushree Uma Bharti, the then Chief Minister of Madhya Pradesh. The College of Agriculture, Tikamgarh came into existence in the academic year 2004-05. The college is situated on the Kundeshwar Road, Tikamgarh which is 56 km and 100 km away from the railway stations Lalitpur and Jhansi respectively. The nearest airport (160 km) is at Khajuraho.

BUNDELKHAND AGRO-CLIMATIC ZONE

The Bundelkhand Agro-climatic Zone of Madhya Pradesh spreading over 23,476 km accounts for 5.22 per cent area of the State and lies between 24°40' and 26°50' N latitude and 76°80' and 80° 50' E longitude covering Tikamgarh, Chhatarpur, Datia districts and part of Shivpuri and Guna districts. The average annual rainfall is 900 mm in this zone. Out of total average annual rainfall, about 90 per cent is spread during monsoon period (June-September). The distinct dry spells is a common feature during monsoon period and the occurrence of drought is a recurring feature during recent decade.

The zone has northerly slopes experiencing dendrite drainage which facilitated in construction of series of water harvesting structures in the area. Due to sloppy characteristics feature, severe soil erosion occurs. Rainfed agriculture and low productivity of the Kharif as well as Rabi crops which is a major limiting factor in this zone. Apart from the traditional crops (soybean, sesame, black gram in Kharif and wheat, gram, field pea and mustard in Rabi), the Bundelkhand Zone is known for its ginger and betelvine cultivation. Ber, guava, custard apple, jamun and amla are the major fruits crops of this zone. Major vegetable crops include brinjal, chilly, potato, onion and cucurbit. Large number of animals of non discript breeds are found in this zone.



ON-GOING PROJECTS

- < All India Coordinated Research Project on Oilseeds Sesame (ICAR)
- < Krishi Vigyan Kendra, Tikamgarh
- < National Agricultural Research Project, Phase I & II (TSP), State Plan
- < Production of Breeder Seed of Soybean, Sesame, Blackgram, Chickpea and Field Pea
- < Madhya Pradesh Water Sector Restructuring Project (MPWSRP)
- < Integrated Agro-met Advisory Services Unit

FARM HOLDING AND LAND UTILIZATION (ha)

Total Area	Buildings, Roads and Bunds	Permanent Fallow	Plantation Fallow	Cultivated Area
156.68	14.880	0.40	3.00	138.60

IRRIGATION POTENTIALS (ha)

Irrigated Area	Partially Irrigated Area	Rainfed Area
13.0	92.6	33.0

SALIENT ACHIEVEMENTS

TEACHING

The college was started in the year 2004-05 with the admission of 44 students. At present there are Twenty two Assistant Professors of 17 disciplines are engaged in teaching.

M.Sc. (Ag.) - M.Sc. (Ag.) started from academic session 2011-12 in six disciplines (viz. Agronomy, Plant Pathology, Entomology, Horticulture, Agricultural Economics and Farm Management and Extension Education). A total of 22 students were registered.

RAWE - Every year students (boys and girls) are placed in different villages for Rural Agriculture Work Experience programme during 7th semester to provide practical exposure.

EXTRA CURRICULAR ACTIVITY

Students of B.Sc.(Ag.) 1st year are registered for NSS. They are involved in social activities. Every year Inter Collegiate Sports and Cultural competitions were organized by JNKVV, Jabalpur. Students participated in various competitions and won medals and prizes in athletics, indoor, outdoor games and different activities of cultural competitions. Educational tour of the students is organizing every year as per the recommendations of the ICAR. During the tour, students visited various leading institutions for exposure,



Kala Shiromani Award at JNKVV



Group Dance in Youth Festival



Volley Ball runner up at Rewa



Educational tour at CISH, Lucknow



Volley Ball final at Rewa



Educational tour at GBPUAT

Automatic Weather Station and Institutional Dairy Farm



Automatic Weather Station



Institutional Farm

RESEARCH

Varieties released

Sesame	Brasica	Linseed
JT-21, JT-22 (TKG-22) JT-55, JTS-8, JT-306	Karan Raj, JTC-4	JLT-26



TECHNOLOGIES GENERATED

- < Nutrient management in sesame (FYM 5 ton/ha, N - 60, P₂O - 40, K₂O - 20 kg/ha)
- < Weed management in sesame (Alachlorer 1 kg a.i./ha as post emergence and hand weeding at 45 DAS)

- < Inter-cropping of sesame and black gram in 3:3 row ratio is most beneficial
- < IPM in sesame- early sowing (1st fortnight of July), moderately resistant variety (TKG-22 and JTS-8), inter-cropping with black gram and two foliar sprays of neem oil 1%
- < IDM in sesame- seed treatment with Thirum + Bevistin 0.1 %
- < Cultivation of coriander and fenugreek spices is more productive and economical in the zone
- < Among medicinal crops Chandrasur was found more productive and Isabgol more economic for the zone.

EXTENSION

- < Vocational and in-service trainings, front line demonstration and OFT
- < Organization of kisan mela, field farmer's day, special campaign and monthly workshops
- < Introduce Kharif onion in farmer's field agri-found dark red variety
- < Seed treatment with two spray & Redomil M-278@ 3 ml./lit. for colocasia Phytophthora blight
- < Introduce ginger variety suprabha-seed treated with Redomil @ 3 ml/lit. Water for soft rot ginger disease
- < Communication of technology and contingent action through Mobile SMS

EXTENSION ACTIVITIES AND VISITS OF DIGNITARIES



KVK, Tikamgarh awarded by ICAR during the Zonal Workshop of KVKs



Prof. Gautam Kalloo, Hon'ble Vice Chancellor, JNKVV, Jabalpur visited Tikamgarh



Success story of Kharif Onion



Kisan Ayog meeting



Visit of Hon'ble Member, Board of Management, JNKVV, Jabalpur



Visit of Hon'ble Vice Chancellor in Vegetable Crop Cafeteria



Visit of ICAR monitoring team

RESOURCE GENERATION

A substantial amount has been generated through various activities including sale of seed, sale of medicinal plants and its products, sale of planting material and through payment seat etc.

FUTURE THRUST

- < Sustainable utilization of natural resources with environmental protection
- < Save guarding diversity of plant genetics resource
- < Increasing yield through exploiting genetics potential
- < Modernizing commercial Horticulture
- < Harnessing indigenous technological knowledge for developing low input sustainable agriculture
- < Development of awareness for WTO agreements and implications on education, R & D
- < Strengthening research on abiotic stress, cellular physiology & microbiology
- < Impact of climate change on quality and yield of seeds, planting material and physiology of plants, insect pest, weeds and disease
- < Biotechnological advancements, watershed development and human resource development

OTHER ACTIVITIES



JS -335



Farmers visit in Crop Cafeteria



Drum strict variety PKM-1



Vegetable Crop Cafeteria



Chilli variety - Hot paper



Bottle guard variety - Sambhay

BUILDING UNDER CONSTRUCTION



College Building



Girl's Hostel

Fortune #2412326

Mailing Address

DEAN

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