Agriculture University, Kota

At a Glance

AGRICULTURE UNIVERSITY, KOTA - 324 001
(Rajasthan), India

Agriculture University, Kota

1.0 Establishment, Background and Profile :

The Agriculture University, Kota (AUK) came into existence on 14th September, 2013 after bifurcation of the Maharana Pratap University of Agriculture & Technology, Udaipur (MPUA&T) and Swami Keshwanand Rajasthan Agricultural University (SKRAU), Bikaner through promulgation of Act No. 22 of 2013. The University has been created for the agricultural development in south-east and eastern parts of Rajasthan having diversified agriculture situations from rainfed to canal irrigated agriculture.

1.1 University Service Area :

The Agriculture University headquarter at Borkhera Farm, Kota and is located on Kota-Baran National Highway (NH)-76 about 5 and 8 km from the Kota city and Kota railway station, respectively. The jurisdiction of AUK is spread over in 6 districts of East and South-Eastern parts of Rajasthan namely Kota, Baran, Bundi, Jhalawar, (on bifurcation from MPUA&T) Karauli and Sawai Madhopur (from SKRAU). It accounts for 9.98 % geographical area, 12.67 % total human population, 9.4 % livestock population, 31.59 % forest area and 20.6 % net sown area of the state.

University service area

1.2 Mission :

The mission of the university is to develop human resource and to generate appropriate, efficient and effective transferable technology for sustainable growth in agriculture and allied fields.

1.3 Vision :

Sustainable development of agriculture in broad sense leading to enhanced livelihood of rural masses of Rajasthan in general and service area of AU, Kota in particular, through mandatory task and participatory mode with other developmental agencies.

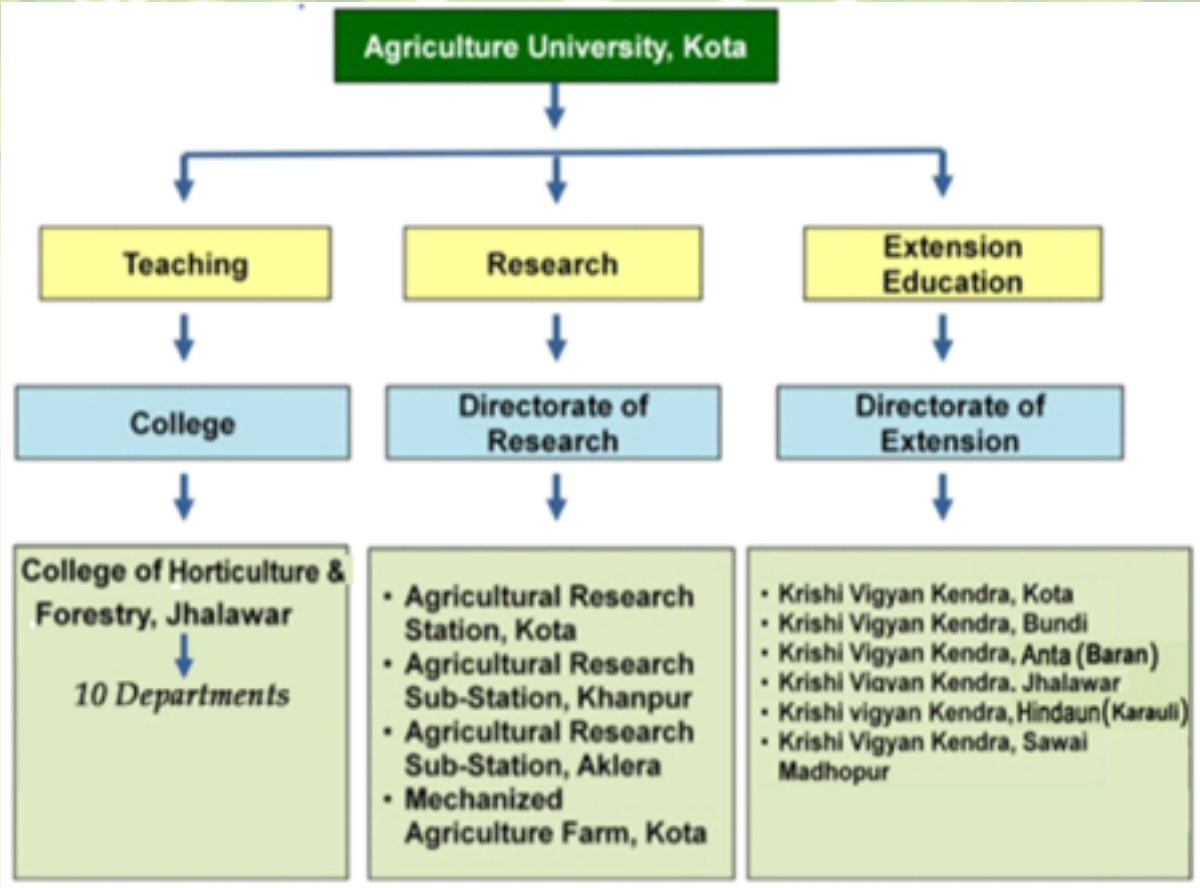
1.4 Goals and Objectives :

The University main objectives are to develop need based quality manpower in consonance with need of the farmers, public and private sector organization, conduct of basic and applied research to solve both the existing and long term problems, and organize human resource development programmes for knowledge empowerment of farming community and effective transfer of technology to the farmers.

1.5 Mandate :

- ❑ Making provision for imparting education and to develop academically and qualified human resource through UG, PG, Ph.D and other academic programmes of agriculture and other allied branches of learning and scholarship;
- ❑ Furthering the advancement of learning and conducting basic, strategic and need based research particularly in agriculture and other allied sciences;
- ❑ Undertaking the extension education and training programmes of such sciences/ technologies specially for rural people of the State and
- ❑ Such other purpose as the university takes from time to time.

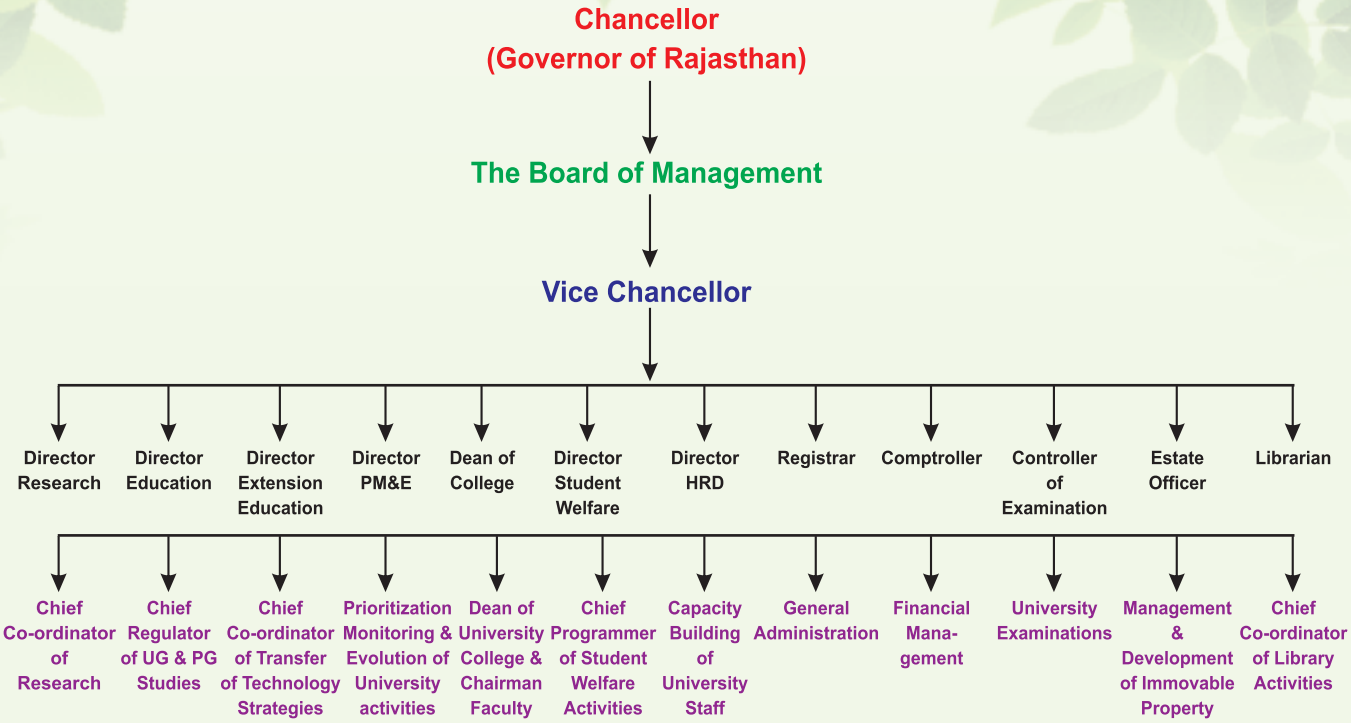
1.6 Institutional Set-up :



1.7 Organizational Set-up :

1.8 Functional Profile :

The University has one constituent college i.e. College of Horticulture and Forestry at Jhalawar. The research programmes of the University are carried out on zonal basis at Agricultural Research Station, Kota and sub-stations located at Aklera and Khanpur. The transfer of technology centres i.e. Krishi Vigyan Kendras are located in all districts of University service area.



1.9 Crop Scenario in Service Area of University :

The predominant crops of Kota region are soybean, urdbean, rice and miaze in kharif which contribute 63.20, 43.65, 49.60 and 11.80 per cent production of the state. Similarly, in rabi, predominant crops are wheat, mustard, lentil and chickpea which contribute 23.00, 20.40, 55.30 and 5.19 per cent production of the state. Coriander, garlic and chillies are the major spices crops of the zone which contribute 98.60, 54.90 and 41.20 per cent, production of the state. Orange and guava are the monopoly crops of this zone having contribution of 98.30 and 62.30 per cent production of the state production.

Table 1: Area and production of major crops in service area of AU, Kota (2014-15)

AUK % share in Raj.	Crops	Rice	Urdbean	Soybean	Wheat	Mustard	Coriander	Garlic	Lentil	Orange	Guava
	Area	44.3	34.40	65.85	23.00	15.22	97.82	68.74	57.31	97.02	54.05
	Production	49.6	43.65	63.20	23.00	20.40	98.60	54.90	55.30	98.30	62.30

1. 10 Live Stock :

For the development of dairy and agriculture business in rural area, livestock plays an important role in agriculture to enhance income and employment of rural population. the percent share of live stock (Table-2) in Rajasthan. The main livestock are cattle, buffalo and goat in University service area.

Livestock	Cattle	Buffalo	Sheep	Goat	Camel	Poultry
% Share in Raj.	10.50	14.71	2.57	7.07	3.90	2.79

2.0 Education :

Academic Programmes :

The University is running 2 undergraduate programmes i.e. Horticulture and Forestry and 5 masters degree programme i.e. Fruit Science, Vegetable Science, Floriculture, Post Harvest Technology and Forestry in college of Horticulture and Forestry, Jhalawar. There is no agriculture college in the University. However, the UG programme in Agriculture is undertaken through one affiliated college located at Sawaimadhopur. The examination pattern of education is semester in all faculties with a component of external examination and internal examination. All the admissions in UG and PG programmes are carried out through JET and Pre PG test to attract talents in various disciplines.

CH&F, Jhalawar

2.1 Degree programme and Intake Capacity at CH&F, Jhalawar :

Name of Faculty	Degree programmme	No. of seats
Undergraduate		
Horticulture	B.Sc. (Horticulture) Hons	55
Forestry	B.Sc. (Forestry) Hons	30
Post Graduate		
M. Sc. Horticulture	1. Fruit Science	5
	2. Vegetable Science	5
	3. Floriculture and Landscaping	5
	4. Post Harvest Technology	2
M. Sc. Forestry	Forestry	5

In all 260 students in B.Sc (Horticulture) Hons., 103 in B.Sc. (Forestry) Hons., 38 in M.Sc. Horticulture, total 401 has been passed from the college after its establishment.

2.2 Academic Excellence (last five years) :

- 13 students were selected for Junior Research Fellowship (JRF).
- 80 students were selected for ICAR PG programmes i.e.-Non JRF for admission in leading Universities/Institutes of country.
- 27 students were selected for PG programmes in Forest Research Institute, Dehradun.

2.3 Infrastructural Facilities :

2.3.1 Library : The total floor area of library is 142 sq.m. having 10691 text books and reference books with seating capacity of 50 students consisting issue section, reference section and reading space. The library has book bank and reprography facility for the students. The internet facility (Wi-Fi) is also available in the library which is used freely by the students for their knowledge up gradation.

College library

2.3.2 Tissue Culture Lab:

A modern tissue culture lab has been established. The lab has facilities like Real time PCR, gel documentation, laminar air flow, growth chamber etc. to carry out research work pertaining to molecular biology and biotechnology.

Tissue culture lab

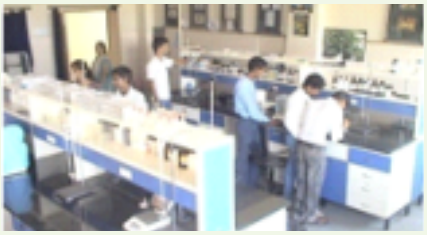
2.3.3 Computer Lab :

A computer lab comprising of 30 computers along with internet facilities for making students able to access information floating outside world.

Computer Lab

2.3.4 Discipline-wise Laboratories :

Pomology, vegetable, floriculture & land scaping, soil science, agriculture engineering, forest product & utilization, forest biology & tree improvement and agro forestry lab are also well maintained for students.



Fruit science

Soil science

2.3.5 Protected Cultivation Unit :

The unit has 4 naturally ventilated poly houses, 1 fully controlled poly house, 3 poly tunnels for raising seedlings and 1 agro-shed net house with fully automatic fertigation unit which are mainly used for vegetable cultivation.

Protected cultivation unit

2.3.6 Model Nurseries :

Modern nurseries accommodating budding house, shed net house and poly house have been established in the college for raising plants. The programme focuses on practical exposure of students. The plants of mandarin, sweet orange, lime, guava, pomegranate, papaya, etc. are being raised at college nursery where students remain involved. The plant materials are supplied to farmers and line departments.

Experiential unit

2.3.7 Student Hostels (2 boys + 1 girl) :

Capacity of UG boys hostel 100, PG boys hostel 24 and girls hostel 24 students.

Boys hostel

2.3.8 Farmers Hostel :

Well furnished farmers hostel (guest house) having accommodation for 40 person.

Farmers hostel

2.3.9 Forest Museum :

The department of forestry has established a forest museum in the college. The museum is used to forestry students for their study purpose.

Forest museum

2.3.10 Herbal Garden:

A Herbal garden has been established in the college having important selected medicinal and aromatic plants in the region. Herbal garden is developed for study purpose of students and for cultivation in the area.

Herbal garden

2.4 Student Activities :

The Directorate of Students' Welfare and university authorities are involved for overall development of students' personalities through various activities viz. social activities, leadership development, communal harmony, NSO, NSS and alumni Association etc.

Communal harmony week

Special NSS camp

World forestry day

Voter awareness campaign

Plantation programme

International yoga day

Student's union

Best student award

Alumni association meet

2.5 Sports activities :

All the basic facilities of sports and games are available at the college. More than 65 students represented the university at state level and got championship.


HVC TNAU Introducing Team


Vollyball


Table Tennis


Badminton

3.0 Research Accomplishments :

Directorate of Research AU, Kota is responsible for research activities going on in two agro-climatic zones viz. (i) Humid South Eastern Plain Zone V and (ii) Flood Prone Eastern Plain zone IIIB. There is one Agricultural Research Station located at Kota, two Agricultural Research Sub Stations located at Aklera and Khanpur and one Mechanized Farm for seed production at Kota. Various research programmes are being carried out at these research stations development of improved varieties, economically viable production and protection technologies for crops including horticulture, integrated farming and seed production etc.

3.1 Mandate :

To undertake basic and applied research and extension activities for enhancing crop productivity, profitability and sustainability of agricultural production in the zone.

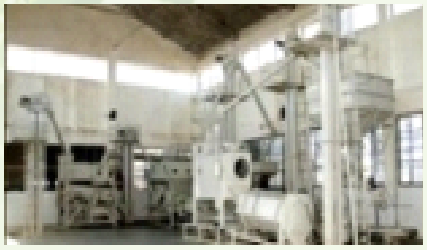
3.2 Lead Functions :

- To develop short duration high yielding multiple disease and pest resistant varieties.
- To undertake basic and applied research for developing strategies that contribute to enhance efficiency of crops and cropping systems for agro-ecological zone-V and IIIB.
- To act as repository of information on crops and cropping systems.
- To act as a centre for training in research and management in field crops and cropping systems.
- To provide consultancy in the related fields.

3.3 Laboratories and Other Facilities at ARS, Kota :

Phytosanitary Laboratory	Soil & Water Testing Laboratory	Honeybee & Pest Diagnosis Laboratory	Plant Health Clinic
• A model lab in the state to issue certificates for export/import of agri. produce. • Analysis of farm produce for phytosanitation & residue analysis.	• Equipped with Nitrogen analyzer, AAS , UV Spectrophotometer & Flame Photometer etc. and issues soil health cards. • Capacity: 10000 samples per annum.	• Identification of pests, predators and pathogens associated with *Apis mellifera*. • Analyze quality of honey produced from various pollination sources.	• Diagnose and suggest management strategies for disease, insect -pests, nutritional disorders and weeds to the farmers.

Seed Processing Plant at MAF, Kota	ARIS Cell	Farmers Hostel (Guest House)
• Seed processing capacity 2 tons/hr. used for processing of about 15000q quality seed per year.	• Acts as nodal point of contact with other organizations /institutes for sharing of information.	• Guest house with all facilities to accommodate 26 persons at a time.



3.4 On Going Research Projects :

Research activities being carried out by University are funded by the State Government, Indian Council of Agriculture Research and other agencies. Currently there are 15 All India Coordinated Research Projects (AICRP) and 5 volunteer centres funded by ICAR viz. AICRP on dryland agriculture, AICRP on seed spices, AICRP on maize, AINP on agronet and onion & garlic. Other projects are funded by RKVY, NAIP, NHM, DST and private agencies The details are given below.

Sr. No.	*Kharif*		Volunteer centre	
1.	AICRP on soybean	1.	AICRP on seed spices	
2.	AICRP on rice	2.	AICRP on maize	
3.	AICRP on pigeonpea	3.	Agromet	
	Rabi	4.	AINP on onion and garlic (CH&F, Jhalawar)	
4.	AICRP on wheat & barley	5.	AICRP on dryland Agriculture (Aklera)	
5.	AICRP on sugarcane		***Others***	
6.	AICRP on linseed		MIDH (GOI)	-01
7.	AICRP on chickpea		RKVY	-05
8.	AICRP on potato		ATMA	-01
9.	AICRP on rapseed & mustard			
	Kharif & rabi		PVT sponsored	-05
10.	AICRP on MULLaRP			
11.	AICRP on integrated farming system			
12.	AICRP on irrigation water management			
13.	AICRP on honey bee & poliinators			
14.	AICRP on NSP to BSP			
15.	AICRP on arid zone fruits(CH&F,Jhalawar)			

3.5 Important Varieties Released :

Pratap Raj soya 24

Yield potential 25-30q/ha, mature in 95-100 days having 20-21% oil and 40-41% protein content

Pratap Raj dhania 1

Yield potential 17-22 q/ha, matures in 100-105 days, essential oil content> 0.40%

Pratap soya 45

Yield potential 20-25 q/ha

mature in 95-98 days having 20-21% oil content and 40-41% protein

RKS 113 of soybean

Yield potential 25-30q/ha, mature in 100-105 days, having oil content 20%

Pratap Sugandh 1 of rice

Yield potential 45-50 q/ha, mature in 135-140 days

Pratap urd 1

Yield potential 9-10 q/ha

Mature in 72-78 days

Kota rajmash 1

Yield potential 15-18 q/ha, mature in 100-105 days, resistant to angular leaf spot and anthracnose, tolerance to wilt, BCMB

Pratap alsi 2

Yield potential 15-20 q/ha, mature in 128-135 days, oil content 41.8%

Kota barani alsi 3

Yield potential 12-15q/ha, mature in 119-124 days and having 38.7% oil content.

Kota barani alsi 4

Yield potential 10-12q/ha, mature in 120-126 days & oil content (40.4%)

Mukundra urd 2

Yield potential 9-12 q/ha, mature in 74-78 days, tolerant to MYMV

Pratap ganna 1

Yield potential 81-85 ton/ha, commercial cane sugar yield 9.0-9.5 tons/ha, having high sucrose percentage (17.12%)

3.6 Varieties Recommended after Testing :

Crops	Varieties recommended
Soybean	Pratap soya 1, Pratap soya 2, Pratap Raj soya 24, Pratap soya 45, JS 93-05, MAUS 81, JS 97-52, JS 95-60, JS 20-29, JS 20-34,
Paddy	Mahi sugandha, PHB 31, Pusa sugandha 4, Pusa basmati 5, Improved pusa basmati 1, Pratap sugandh 1, Pusa basmati 1509, PHB 71, PB 6201
Maize	Pratap makka1, PEHM 2, Pratap makka 3, Pratap makka 4, Pratap QPM hybrid 1
Sorghum	CSV 15
Wheat	Raj 4037, Lok 1, GW 322, PDW 215, HI 1544, HI 1531, HD 2932, RAJ 4079
Barley	RD 2552
Urdbean	KU 96-3, Pant U 31, Pratap urd 1, Mukundra urd 2
Mungbean	IPM 02-03, PDM 139(Samrat)
Chickpea	GNG 469, KAK 2, Pratap chana1
Lentil	JL 3, DPL 62, IPL 81
Fieldpea	IPFD 99-13, IPFD 1-10, DDR 23
Mustard	Maya, Vasundhara, Arawali , Swarnjyoti, RGN-73, NRCHB 101
Linseed	T 397, Jwahar 23, LCK 8528, Kiran, LMH 62, Meera, RL 914, Pratap alsi 1, Pratap alsi 2, Kota barani alsi 3, Kotab Barani alsi 4
Coriander	RCr-684, RCr-480, Pratap Raj dhania 1
Fennel	RF-101, UF 206
Potato	Kufri bahar, K. badshah, K. pukhraj, K. ashoka, K. pushkar, K. jwahar, K. chipsona I, K. chipsona II, K.chipsona III, J/93-86, JW/160, Kufri surya, J/95-242, J/95-227
Sugarcane	Co pant 84211, Co 97015, CoSe 00421, Pratap ganna 1
Garlic	G 50, G 323, G 282
Nigella	AN 20

3.7 Major Production Technologies Developed and Recommended :

University is engaged for development of crop production and protection technologies for various crops on integrated nutrient management, integrated pest and disease management, weed management, irrigation water management, selection of crops and cropping systems, organic farming, climate resilient agriculture etc. During the last five years period total 160 recommendations have been given. Some of the prominent technologies recommended are as under.

- System of rice intensification (SRI) for input and water saving.
- Intercropping systems: chickpea+mustard (6:2) and linseed + chickpea (4:2) were found very promising for limited irrigation conditions.
- FIRB system for wheat+lucerne, irrigation management in potato, coriander, garlic, onion cabbage and linseed through traditional method and micro irrigation systems.

System of rice intensification

Chickpea + linseed (4:2)

Drip irrigation in potato

- Developed INM modules for lentil, rajmash, fieldpea, pigeonpea, linseed, sugarcane and pigeonpea + soybean intercropping system.
- INM in soybeanwheat and soybean-chickpea cropping systems was also developed.
- Weed management in crops like rice, soybean, fieldpea, rajmash and wheat through post emergence application of herbicides were evaluated.

INM in rajmash

Weed control in rice

Weed control in fieldpea

3.8 Organic Farming :

Organic modules for soybean-coriander and soybean-wheat system have been developed and the modules so developed have been disseminated to State Agriculture Department.

3.9 Protection Technologies Developed and Recommended :

3.10 Integrated Pest Management (IPM) :

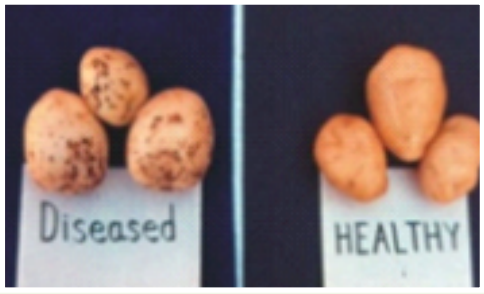
IPM modules were developed for control of green semilooper, tobacco caterpillar and girdle beetle in soybean, pod borer in chickpea, bud fly in linseed, aphids in mustard and stem borer, leaf folders and hoppers in rice.

IPM in soybean

Ipm in chickpea

3.11 Integrated Diseases Management (IDM) :

IDM modules were developed for control of leaf and neck blast in rice, pod blight and bacterial pustules in soybean, Cercospora leaf spot, powdery mildew and leaf crinkle in mungbean, collar rot in lentil, linseed and chickpea, stem necrosis, black scurf and late blight in potato, alternaria blight in linseed and phyllody in sesame. Stunting growth of coriander promoted by applying FYM 15 tons/ha along with recommended package of practices. Coriander cultivation should be avoided in the fields having profuse concretions with in 40 cm soil depth.



IDM in potato

IDM in soybean

Stunted coriander growth

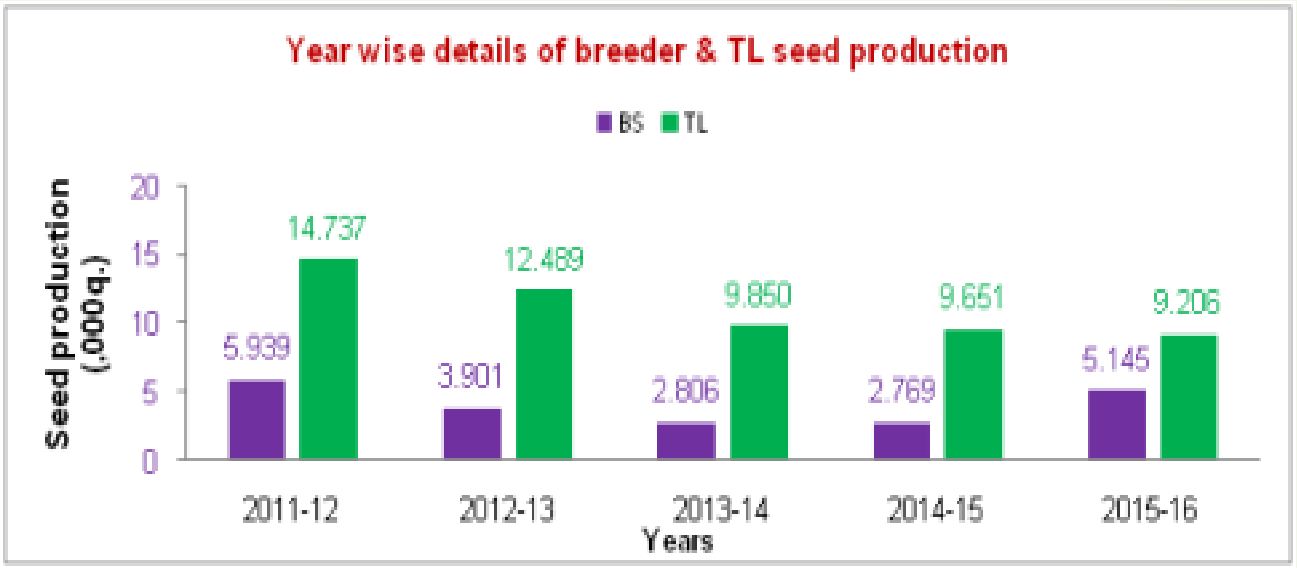
Healthy coriander growth

3.12 University Farms :

There is 964.35 ha land area under different units of University Viz. research farms 683 ha KVKs 146.35 ha and college farm 135 ha for experimental trials, student practicals and production of quality breeder seed for further multification and Truthful level seed (TFL) of improve varieties of major crops.

3.12.1 Seed Production :

- Recognized as one of the major breeders seed production unit in the country.
- Produces about 540 tons breeder seed of wheat, soybean, chickpea, rice, vegetable pea, coriander, mustard, fenugreek and linseed annually.



3.13 Other Extension Activities Organised by Directorate of Research :

- Eleven trainings were organized on water management (TSP), seed spices, beekeeping, urdbean (TSP) in which 448 farmers were benefited during last five years.

Scientist farmer interaction

3.14 Consultancy Services :

- 426 plant samples were diagnosed by scientists and solution were suggested to the farmers during last five years.

3.15 Frontline Demonstrations Conducted :

- Last five years 163 frontline demonstrations were conducted on different crops viz. soybean, rice, urdbean, mustard, wheat, coriander and chickpea to disseminate the recent technologies to farmers.

Field day

3.16 Technology Dissemination by Directorate of Research :

For rapid dissemination of technologies, various extension activities were also performed by the research scientists during last five years as summarized below, Radio school on increasing water use efficiency has been organized.

Activity	No.	Beneficiaries
Agriculture exhibition	09	50,000
Field days	15	600
Farmers scientists interaction	21	450
TV / radio talk	85	
On campus trainings	10	400
Off campus trainings	33	1356

Visit of scientists

4.0 Extension Education and Transfer of Technology :

The Directorate of Extension Education (DEE) is being run at KVK, Kota. The Directorate of Extension Education (DEE) is the chief nodal agency functioning through its sub-units i.e. 6 Krishi Vigyan Kendras in close coordination with the constituent units of the University.

Zone wise KVKs

Zone	Agro-climatic zone	District	Location	Year of establishment	Instructional farm area (ha)
IIIB*	Flood prone Eastern Plains	Karauli Sawai Madhopur	Akorashi(Hindaun) Karmoda	2004 1992	20.25 16.58
V**	Humid South Eastern Plains	Kota Bundi Jhalawar Baran	Borkhera Syopuria Bawari Jhalawar Anta	1992 1992 1992 1994	46.36 37.12 16.13 15.04
				Total	**151.48**

* Before 2013, these were in jurisdiction of SKRAU, Bikaner

** Before 2013, these were in jurisdiction of MPUAT, Udaipur

4.1 Mission :

The Mission of the Directorate of Extension Education is “Reaching to Unreached” for livelihood security, improved standard of life and sustainability in agriculture complex, diversified and risk prone farmers (CDR farmers) for social equality and economic growth.

4.2 Mandate :

- KVKs for over all development and functioning, formulation and organization of in-service training for officers and field functionaries of line departments of Govt. of India, State Government, scientists of SAUs and NGOs on recent advances in agricultural to update their knowledge.
- Conduct short and long duration vocational trainings for farmers, farm women and youth entrepreneurs.
- Assessment and refinement of latest proven agricultural technologies through on farm testing (OFT) and front line demonstrations (FLDs) under various agro-climatic conditions.
- Transfer of technology through different ways like development of CDs, printing of literature, technological products and field extension activities.
- Work as a resource and knowledge centre of agricultural technology for supporting of public and voluntary sector for improving the agricultural economy of the state.

4.3 Live Demonstration and other Units at KVKs :

- Soil testing laboratories at all KVKs
- Plant health clinics at all KVKs
- Bio pesticide laboratory at KVK, Kota
- Organic pesticide unit (neem based) at KVK Sawai Madhopur
- Food processing unit at KVK, Kota and Anta
- Model nurseries, vermi compost unit and mother orchards at all KVKs
- Medicinal plants museum and low tunnel technology unit at KVK Kota
- Dairy unit at KVK Kota and Bundi
- Disease forecasting units at KVK, Kota
- Custom hiring centre at Chomakot Village in jurisdiction of KVK, Kota
- Bee Keeping units at KVK, Kota
- Azolla units at all KVK

IPM lab at KVK, Kota

Soil & water testing lab at KVK, Baran

Garlic processing unit

Skill training for women

Mother orchard

Model nursery unit

Dairy unit at KVK, Bundi

Vermicompost unit at KVK KOTA

Low tunnel technology

Bee keeping unit

Azolla units

Custom hiring centre at Chomakot

4.4 Technology Dissemination (last five years) :

4.4.1 Technology and Skill Up-gradation of Farm Families :

The KVKs organized 1310 training programmes for technological empowerment benefitting 38221 farmers/farm women. These trainings were conducted in the specific areas i.e. crop production management, horticulture, plant protection, livestock production, soil science, home science, capacity building and group dynamics. These trainings motivated large numbers of farmers and farm women to adopt latest technologies to raise their income by enhancing production along with value addition.

Farmer's training

4.4.2 Skill Oriented Trainings for Self-Employment :

Entrepreneurship development of rural youth through vocational trainings is one of the important mandates of KVKs. During last five years, KVK organized 69 vocational trainings of 7-30 days duration in specialized field of food processing and value addition, tailoring and fashion designing, nursery management, bee-keeping, dairy farming, back yard poultry and other vocations benefitting 1561 rural youths.

Food processing training

4.4.3 Front Line Demonstrations (FLDs) :

FLDs have been conducted to demonstrate newly released production and protection technologies and its management practices as detailed below.

Frontline demonstrations	Crop diversification	Establishment of fruit orchards
(FLDs) on Improved varieties, INM,IWM,IPM of field crops	Vegetables & spices technologies on HYVs, INM,IWM,IPM	Guava, mandarin, papaya
No. of FLDs : 9382 Area : 3513 ha	No. of FLDs : 624 Area : 172 ha	No. of orchards : 515 Area : 141 ha

4.4.4 Kisan Mela, Field Days and Other Extension Activities :

For rapid dissemination of technologies, KVKs organised various extension activities as detailed below during last five years.

Extension activities	No.	Beneficiaries
Field days	150	9918
Farmer-scientist interaction	79	3349
Kisan gosthi	162	15840
Kisan mela	9	24252
Scientist field visits	2510	-
Farmers visited at KVKs	-	62903
Lectures delivered	2538	-
Advisory services	-	66412
Radio/TV talks	413	-
Exhibitions	102	-
Exposure visit	87	-
Krishi calendar distributed	28000	28000

4.5 On Going Projects at KVKs :

- Rajasthan mission on skills and livelihoods (RMoL)
- National horticulture mission (NHM)
- National innovation on climate resilient agriculture (NICRA)
- Rashtriya krishi vikas yojna (RKVY) pulse project
- Rashtriya krishi vikas yojna - oilseed project
- Awareness programme on tree borne oilseeds
- Rashtriya krishi vikas yojna (RKVY)- pilot scheme of nutri-farm
- Cluster demonstrations on oil seeds and pulses
- ICAR seed hub for pulse crops
- Rashtriya krishi vikas yojna (RKVY) food processing project
- Rashtriya krishi vikas yojna (RKVY) - dairy project

4.6 University Faculty Contribution :

Under the integrated teaching research and extension programmes, every faculty member is devoted one-third time in activities other than the major field where he is posted. The number of papers published in national and international journals as well as books and practical manuals and programmes as attended for capacity building in last five years are as under.

4.7 Capacity building :

4.7.1 Staff participation in Trainings, Seminars, Conferences, Summer/ Winter Schools

- ❑ Summer/winter school : 36
- ❑ Conferences/seminars/workshops : 147
- ❑ Trainings < 7 days : 15
- ❑ Foreign visits by scientists : 06

4.7.2 Trainings, seminars and workshops conducted

- ❑ Trainings : 02
- ❑ Seminars : 02
- ❑ Workshops : 02

4.7.3 Publication :

- ❑ Research paper : 361
- ❑ Books : 17
- ❑ Chapter books : 36
- ❑ Practical manuals : 17
- ❑ Other publications : 417
- ❑ Extension game : 02

4.7.4 Honours/Awards and Recognitions

a. Scientists : 35
b. Farmers : 12

Best KVK Award
for Zone-VI (KVK Anta)

AICRP on potato
best centre award

Best extension scientist award
(Home Scientist)

Sh. Ganpat Lal Nagar
Zonal Jagjivan Ram abhinav
kisan puruskar 2011

Sh. Shreekishan Suman
Zonal Jagjivan Ram abhinav
kisan puruskar 2016

Ms. Sugan Bai Patidar
Mahindra krishak prerna
samman 2016

5.0 Distinguished Visitors :

- Hon'ble Chief Minister Rajasthan, Smt. Vasundhara Raje visited college of horticulture & forestry, Jhalawar on 25.02.2014
- Sh. Prabhula Saini, Minister of Agriculture, Govt. of Rajasthan addressed PMFBY Mela at KVK Anta (Baran) on 13.04.2016
- Sh. Pushpendra Singh, Hon'ble Minister of Energy, Govt. of Rajasthan visited ARS, Kota on 16.05.2014
- Sh. Dushyant Singh, Hon'ble MP Jhalawar along with Sh. Narendra Nagar, MLA Khanpur, Sh. Kanwar Lal, MLA Manoharthana and Sh. R.C. Sunheriwal, MLA Dag visited college of horticulture & forestry, Jhalawar on 25.02.2014
- Sh. Om Birla, Hon'ble MP Kota-Bundi along with Sh. Ashok Dogra, MLA Bundi addressed PMFBY Mela at KVK Bundi on 06.04.2016
- Sh. Om Birla, Hon'ble MP Kota-Bundi participated in summit on Food Processing & Value Addition organized by the University on 15.02.2014
- Sh. Om Birla, Hon'ble MP Kota-Bundi along with Sh. Bhawani Singh Rajawat, MLA Iadpur, Sh. Prahalad Gunjal, MLA Kota-North, Smt. Chandrakanta Meghwal, MLA Ramganjmandi, Sh. Hiralal Nagar, MLA Sangod and Sh. Sandeep Sharma, MLA Kota-South addressed PMFBY Mela at KVK, Kota on 07.04.2016
- Sh. Sukhbir Singh Jonapuriya, Hon'ble MP Tonk-Sawaimadhopur addressed PMFBY Mela at KVK, Sawaimadhopur on 11.04.2016
- Mrs. Diya Kumari, Hon'ble MLA Sawai Madhopur attended farmers interaction programme at KVK Sawaimadhopur on 19.08.2014
- Sh. Hira Lal Nagar, Hon'ble MLA Kota attended farmers interaction programme organized by KVK, Kota 18.04.2015
- Sh. Vidhya Shankar Nandwana, Hon'ble MLA Pipalda attended farmers interaction programme organized by KVK Kota on 15.04.2015
- Mrs. Diya Kumari, Hon'ble MLA Sawai Madhopur attended Kisan Mela at KVK Sawaimadhopur on 16.02.2016

5.1 New Project Sanctioned under RKVY/ICAR (2016-17) :

S. No.	Project Title	Project Cost (Lacs)	PI
1.	Strengthening of infrastructure to enhance the quality seed production of soybean at research farms of AU, Kota	666.50	Dr. Pratap Singh
2.	Enhancing breeder seed productions through farm modernization	544.00	Dr. R. K. Shivran
3.	Modernization of Phytosanitary lab for pesticide residue analysis	460.57	Dr. B.K. Patidar
4.	Establishment of "Agriculture Technology and Management Quality Improvement Centre (ATMQIC)" at Directorate of Extension Education	462.40	Dr. I.N. Gupta
5.	Enhancing productivity of urdbean for food, nutritional security and livelihood through improved package technology at farmers field participatory trials (FFPT) in South East and Eastern parts of Rajasthan	307.46	Dr. Baldev Ram
6.	Development of high yielding soybean genotypes resistant to biotic and abiotic stresses for South Eastern Rajasthan	218.09	Dr. Abhay Dashora
7.	ICAR-Pulses breeder seed production hub	180.00	Dr. S.S. Punia Dr. Baldev Ram
8.	ICAR - Pulses quality seed production hub	150.00	Dr. Mahendra Singh
9.	Integrated farming system model for enhancing livelihood security of small and marginal farmers in South-Eastern Rajasthan	125.34	Dr. J.P. Tetarwal
10.	Sustainable productivity through climate resilient agriculture in Sangod Block of Distt. Kota	122.43	Dr. B.S. Meena
11.	Coriander (Coriandrum sativum L.) improvement for yield, quality and export for financial security to farmers of Hadoti region	118.48	Dr. Preeti Verma
12.	Validation, refinement and popularization of BBF technology in soybean for increasing water use efficiency in Chambal command area of Rajasthan	65.00	Dr. H.P. Meena
13.	Validation, refinement and popularization of SRI technology in rice for increasing water use efficiency in Chambal command area of Rajasthan	64.50	Dr. H.P. Meena
14.	Development of fertigation schedules for vegetables and citrus crops under pressurized irrigation system In South East Rajasthan	55.95	Er. I.N. Mathur
15.	Validation and popularization of residue management techniques in soybean-wheat cropping system in south-eastern Rajasthan	33.08	Dr. R.S. Narolia

5.2 Volunteer Project:

S. No.	Project Title	Project Cost (Lacs)	PI
1.	AICRP on Dryland	2.60	Er. C.K. Arya

5.3 List of Private Projects:

S. No.	Project Title	Project Cost (Lacs)	PI
1.	Residue testing of bentazone 48% SL on soybean	4.80	Dr. B.K. Patidar
2.	Residue testing of quizalofop-P-ethyl 5% EC in onion and cotton	6.13	Dr. B.K. Patidar
3.	Effect of dhanzyme granules on yield of wheat.	3.00	Dr. B.S. Meena
4.	To evaluate efficacy of RDS 6320 SC against lapidopteran pest of soybean	3.00	Dr. H.R. Chaudhary
5.	Bio-efficacy data generation of Clothodim 25% EC on soybean	4.50	Dr. D.S. Meena
6.	Studies on bio-efficacy, Phytotoxicity, carry over and residual effect of Bentazone 48% SL (BASHAZON) in maize	1.50	Dr. J.P. Tetarwal

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