

## AGRICULTURE UNIVERSITY, KOTA: AT A GLANCE

This university was part of the multi faculty Mohan Lal Sukhadia University, Udaipur till creation of Rajasthan Agricultural University, Bikaner in 1987. Later, it became part of MPUAT, Udaipur on 1<sup>st</sup> November, 1999 with the bifurcation of RAU, Bikaner. Agriculture University, Kota came into existence on **14<sup>th</sup> September, 2013** on bifurcation of the Swami Keshwanand Rajasthan Agricultural University, Bikaner and Maharana Pratap University of Agriculture and Technology, Udaipur. AU, Kota was created to put focus on agricultural problems of eastern and south eastern region of Rajasthan. Since the jurisdiction area of this University was far away from its parent universities headquarter at Bikaner and Udaipur, therefore, there was lack of attention on infrastructure development in Kota region. But the University is bestowed with rich natural resources and has great potential for agricultural development and resources generation. This is the only Agriculture University in Rajasthan which is providing regular full pension to its employees' from generating resources on its own.

### UNIVERSITY SERVICE AREA

The jurisdiction of Agriculture University, Kota is spread over six districts of Eastern and South-Eastern Rajasthan namely Kota, Baran, Jhalawar, Bundi, Sawai Madhopur and Karauli. There are two agro-climatic zones in the university service area viz. Humid South Eastern Plain Zone V and Flood Prone Eastern Plain III B. The university service area accounts for 9.98 per cent geographical area, 12.38 per cent of total human population and 11.26 per cent of livestock population of the state. It also covers 31.59 per cent of the forest area of the state. Moreover, 9.51 per cent of net sown and 20.60 per cent irrigated area of the state falls under AU, Kota service area.

### VISION

Attaining new heights in agricultural education, research and extension, shaping university into a premier institution for creation of agricultural wealth ensuring food and nutritional security, Agriculturally Prosperous Rajasthan & India.

### MISSION

The mission of Agriculture University, Kota is to foster excellence in teaching, research, and extension education for subjects of agriculture and allied sciences and there by develop competent and skilled human resource and innovative technologies and disseminations of the knowledge to serve the farming community with the motto of making Rajasthan & India agriculturally prosperous.

### MANDATES

- Develop professionally competent human resources through different academic programme in agriculture, horticulture, forestry and allied fields.
- Conduct basic and need based region-specific applied research to develop technologies and crop improvement for sustainable agricultural development.
- Promote technology assessment, refinement and transfer of knowledge through participatory approaches.
- Develop linkages with state/ national and international organizations for sustainable agriculture development of the region.

### INFRASTRUCTURE

The university has elaborated physical facilities in terms of administrative building, laboratories, well-equipped smart classrooms, computer laboratory, tissue culture laboratory, phytosanitary laboratory, soil and water testing laboratory, plant health clinic, language laboratory, seminar halls, conference halls, farmer's hostel, girls and boys hostels. The university has modern instructional and research farms, modern instruments and farm machineries, polyhouses, green houses, hydroponics unit, honey processing unit, model nurseries, library, high-speed internet, playgrounds, gymnasium and facilities for cultural and other activities provide congenial environment to the students for the overall development of their personality at different units. The university has a well-furnished guesthouse for pleasant accommodation, meeting halls, conference hall and agricultural education museum at university headquarters.

### MAJOR CROP SCENARIO IN SERVICE AREA OF UNIVERSITY

% share in the state	Crop	Rice	Urdbean	Soybean	Wheat	Mustard	Garlic	Corinder	Lentil	Orange
	Area	53.30	55.34	65.90	26.41	16.44	82.12	90.30	41.78	99.45
Production	57.80	53.57	57.96	26.70	17.80	75.13	89.31	44.80	99.74	

Source: Agriculture Statistics Report 2021-22, DOA, Government of Rajasthan

### LAND AVAILABILITY OF DIFFERENT UNITS

S.No.	Name of Unit	Total land (ha.)
1.	Directorate of Research (ARS, MAF, 2 ARSS, Seed Farm)	682.29
2.	Directorate of Extension Education ( 6 KVKs)	148.08
3.	College of Horticulture & Forestry, Jhalawar	120.00
4.	College of Agriculture, Ummedganj, Kota	39.75
5.	College of Agriculture, Hindoli (Bundi)	27.61
<b>Total</b>		<b>1017.73</b>

In view the current and future challenges and needs, the Agriculture University, Kota is focusing to achieve quality, excellence and relevance in agricultural education, research, extension and training with stakeholders-centric approach.

### EDUCATION

#### ACADEMIC PROGRAMME

Agriculture University, Kota offers three Bachelors' degree programmes in Agriculture, Horticulture & Forestry, Masters' degree programmes in 5 Agriculture, 4 Horticulture & 4 forestry disciplines, and Doctoral degree in 2 Agriculture, 2 Horticulture and 1 Forestry disciplines. The University has three constituent colleges (CH&F, Jhalawar 2004, COA, Kota, 2018 & COA, Hindoli, Bundi 2021), 13 affiliated colleges (9 government and 4 private). The few major academic accomplishments of the university are as under:

- Agriculture University, Kota has been accredited for 5 years from April 2021 to March 2026 by National Agricultural Education Accreditation Board of Indian Council of Agricultural Research, New Delhi.
- Along with this, Undergraduate (Hons.) Horticulture, Undergraduate (Hons.) Forestry, Postgraduate Fruit Science, Vegetable Science, Floriculture and Landscaping, Forestry and Agroforestry, Forestry Product and Utilization, Forest Biology and Tree Improvement and Ph.D. in Fruit Science programs have been accredited till March, 2026 by ICAR, New Delhi.
- University successfully organised 6 convocations and awarded degree to 1050 Bachelors, 200 Masters and 10 Ph. D. students for the academic session 2015-16 to 2021-22 in the faculty of Agriculture, Horticulture and Forestry.
- 54 Students of the university qualified NET, 24 and 7 students received SRF and JRF respectively. Mr. Ronak Kumar got AIR 2<sup>nd</sup> (2022) and Mr. Harshit Kumar secured 4<sup>th</sup> position (SC category) in ICAR-JRF 2021. Mr. Ashok Kumar Meena, secured 2<sup>nd</sup> AIR (ST category) in ICAR-SRF 2022.
- More than 150 students have been placed in different government, semi government, private and non-government organizations and 2553 students of different constituent colleges of the university received various fellowships from different agencies. Ms. Ruchi Bishnoi, Ph.D. (GPB) scholar has been selected for Jawahar Lal Nehru Scholarship.
- Novel programme "Kulpati-Vidhyarthi Sanwad" started by university in CHF, Jhalawar, CoA, Kota and CoA, Hindoli during 2022-23. Hon'ble Vice Chancellor, Dr. A. K. Vyas interacted with M.Sc. and Ph.D. students and addressed on various aspects like self-control, self-motivation, self-confidence, self-management, time management and aim of life. Students have been motivated towards their life goal and suggested how to achieve life goal in efficient way.



### STUDENTS PASSED OUT FROM THE UNIVERSITY (2013-2023)

Degree Programme	B.Sc.	M.Sc.	Ph.D.	Total
Agriculture	718	84	7	809
Horticulture	399	107	5	511
Forestry	200	30	1	231
<b>Total</b>	<b>1317</b>	<b>221</b>	<b>13</b>	<b>1551</b>

### RESEARCH

AU, Kota has one Agriculture Research Station and one Mechanized Agriculture Farm at Ummedganj, Kota, two Agriculture Research Sub Stations at Khanpur and Aklera as its constituent units. The mandate of research is to undertake basic and applied research for enhancing crop productivity, profitability and sustainability of agricultural production in Agro-Climatic Zones -V and III-b. The University has 14 AICRPs, 5 Voluntary Centres, 5 Seed Hub, 9 RKVY, 1 MIDH, 1 GKMS along with State Non-plan schemes and a number of adhoc research projects funded by State Government / private companies and collaborative projects with other institutes.

#### Land availability of Research units, AU, Kota

S. No.	Name of Research Unit	Total Land (Ha.)
1.	ARS, Ummedganj, Kota	82.79
2.	MAF, Ummedganj, Kota	484.00
3.	ARSS, Aklera, Jhalawar	42.00
4.	ARSS, Khanpur, Jhalawar	52.00
5.	Agriculture Farm, Sultanpur	21.50

Few major research accomplishments of the university are as:

- University developed 28 varieties (26 notified and 2 identified).
- 41 varieties and 240 production technologies tested and included in Package of Practices for the Agro-Climatic Zone-V and III-b. These production technologies were related to crop improvement (69), crop production (114) and plant protection (57).

#### Varieties Developed by the University

S.N.	Crop	Variety	Year of Release
1.	Paddy	Pratap sugandha-1	2013
2.	Soyabean	Pratap Raj Soya 45 (RKS 45)	2013
3.	Urdbean	Pratap Urd-1 (KPU 07-08)	2013
4.	Sugarcane	Pratap Ganna-1 (COPK 5191)	2013
5.	Linseed	Pratap Alsi 2 (RL 26016)	2015
6.	Linseed	Kota Barani Alsi - 3 (RL 29202)	2015
7.	Linseed	Kota Barani Alsi - 4 (RL 10193)	2015
8.	Coriander	Pratap Raj Dhanian 1 (RKD 18)	2015
9.	Soyabean	Kota Soya 1 (RKS 113)	2018
10.	Lentil	Kota Masoor 1 (RKL 607-1)	2018
11.	Lentil	Kota Masoor 2 (RKL 14-20)	2018
12.	Urdbean	Mukundra Urd 2 (KPU 405)	2018
13.	Rajmash	Kota Rajmash 1 (RKR 1033)	2018
14.	Field pea	Kota Matar 1 (KPF 101)	2020
15.	Chickpea (Desi)	Kota Desi Chana-1 (RKG 13-515)	2020
16.	Chickpea (Kabuli)	Kota Kabuli Chana-1 (RKGK 13-271)	2020
17.	Lentil	Kota Masoor-3 (RKL 605-03)	2020
18.	Urdbean	Kota Urd-3 (KPU 524-65)	2020
19.	Urdbean	Kota Urd-4 (KPU 12-1735)	2020
20.	Linseed	Kota Barani Alsi-5 (RL 29005)	2020
21.	Chickpea (Kabuli)	Kota Kabuli Chana-2 (RKGK 13-499)	2021
22.	Chickpea (Kabuli)	Kota Kabuli Chana-3 (RKGK 13-414)	2021
23.	Lentil	Kota Masoor-4 RKL 58 F 3715)	2021
24.	Urdbean	Kota Urd-5 (KPU 52-87)	2021
25.	Linseed	Kota Alsi - 6 (RL 13165)	2021
26.	Linseed	Kota Barani Alsi-6 (RL 15584)	2021
27.	Urdbean	Kota Urd-6 (KPU 18-1)	2022
28.	Chickpea (Kabuli)	Kota Kabuli Chana-4 (RKGK 13-416)	2023





Kota Urd 4



Kota Kabuli Chana 4



Kota Barani Alsii 4



Mukundra Urd 2



Kota Masoor 4



Kota Rajmash 1

- All India Coordinated Research Project on Integrated Farming Systems and MULLaRP, Kota centres received Best Centre Award-2018 and Best Centre Award 2019, respectively. Besides, many scientists of the University have been awarded and recognized such as Fellow Awards, Best Teachers Award, Appreciation Awards by the different organizations, institutions and professional societies.
- Mahrishi Parashar Krishi Sodh Peeth has been established at ARS, Kota for optimization of organic farming and use of bio fertilizers.
- University produced 50,000 q breeder seed of different crops to make it available to the seed producing agencies for further multiplications. More than 50,000 q TL quality seed was also produced and made available to the farmers. In all total, more than One Lakh quintals seed of different crop varieties was produced during last 10 year.
- Received funds through total 144 different RKVY, Private and other research Projects amounted Rs. 5959.78 Lakh from inception of the university.
- Total 611 research papers published in different peer-reviewed and reputed journals rated up to 13.57 by the scientists of the university.

### EXTENSION EDUCATION

Extension Education is one of the three major functions of the Agriculture University, Kota. The responsibility for planning, organizing, conducting and coordinating the extension education activities of the university lies with the Directorate of Extension Education. Krishi Vigyan Kendras are the functional arms of Directorate. There are six Krishi Vigyan Kendra functioning under university with vision of science and technology led growth to enhanced productivity, profitability and sustainability of agriculture. These KVKs are spread in two agro-climatic zones (Zone III B and Zone V) of the state. The details are as under:

Agro climatic Zone	District	Location	Year of Establishment	Instructional farm area (ha.)
Flood Prone Eastern Plains (Zone-III B)	Karauli	Akorashi (Hindaun City)	2004	20.25
	Sawaimadhopur	Karmoda	1992	16.58
Humid South Eastern Plains (Zone-V)	Kota	Borkheda	1992	46.36
	Bundi	Syopuria Bawari	1992	37.12
	Jhalawar	Jhalawar	1992	16.13
	Baran	Anta	1995	15.04

All KVKs are having well equipped and furnished office, training halls, farmer's hostel, instructional farm, improved agricultural implements & equipment's, plant health clinic, soil and water testing laboratories, modern audio-visual aids, mother orchard, model nurseries, green house, polyhouses, model dairy unit, goatery unit, poultry units, bee keeping unit, food processing unit & value addition, azolla unit, bio- pesticide units, demonstration cum vocational units, for imparting skill-oriented trainings to farmers, farm women, rural youths and other stakeholders for profitable enterprises and horizontal expansion of these activities in the district. Few major extension accomplishments of the university are as under:

- Organised 3000 capacity development programmes for more than one lakh farmers, farm women and other stakeholders.
- University organized special skill development training on food processing for 3500 partners out of whom 700 have started their own enterprise and earning Rs. 2.0 to 25.0 lakhs per annum.

- 25000 OFTs and FLDs for technological assessment and demonstration for its application conducted at farmers field on latest production technologies of various agronomic and horticulture crops covering 12,000 ha area resulting into yield enhancement of crops in the range of 12 to 45 per cent with significant economic returns.
- Established three Pulse Seed Hubs at KVK Kota, Bundi, Jhalawar and one Oil Seed Hub (Mustard) at Kota and District Agro- Meteorological Units at KVK, Baran and Karauli.
- Recently established Common Incubation centre for coriander and garlic processing and bakery products at Kota with a budget outlay of Rs. 3.39 crores funded by Ministry of Food Processing Industries, New Delhi.
- Hon'ble Governor appreciated two times the efforts of the University in the development of University adopted villages Kanvas and Anwan under USR consecutively in the year 2022 and 2023.
- KVK, Anta (Baran), Kota and Bundi have been awarded with Pandit Deendayal Upadhyay Rashtriya Krishi Vigyan Protsahan Puraskar (Zone - II) by ICAR, New Delhi in 2011, 2016 and 2018. KVK Kota received ICAR - Cashless Krishi Vigyan Kendra award 2017 with cash amount of Rs. 1.00 lakh.
- Many farmers trained by University have been awarded with various awards such as prestigious 'Padam Shri' (Sh. Hukum Chand Patidar, Jhalawar), Padma Award (Mrs. Soniya Jain, Jhalawar) Jag Jiwan Ram Abhinav Krishak puruskar (Shri Kishan Suman, Kota, Sh. Poonam Chand Patidar, Jhalawar, Sh. Abney Hasan Rani Barod, Baran)
- Capacity building programme on Office Management for the Administrative & Financial Staff of the University conducted for 27 employees of different units of the University. As an impact, significant improvement in respect to promptness, file management, record keeping, noting & drafting, sincerity towards the assigned work has been observed.



### Agriculture Technology Management and Quality Improvement Centre (ATMQIC)

The centre is functioning at the University headquarter on the principle of 'Single Window Delivery System' to meet the required information of farmers and other stakeholders with respect to latest technologies, seed and planting material, diagnostic facilities, literature and training through incorporation of ICT. The ATMQIC is well equipped with hi-tech conference hall with video conferencing facilities, Kisan Call Centre with ICT enabled educational kit, Agricultural Education Museum and ICT lab to fulfil above purposes.

### Attracting Talent

A new initiative taken by Dr. A.K. Vyas, Hon'ble Vice Chancellor AU, Kota, the students of class 9-12 studying in the schools with in the work area of Agriculture University, Kota are being attracted towards Agricultural Education and more than 1500 students and teachers from different schools visited Agricultural Education Museum, various units of Research Center, Ummadganj, Kota, Constituent Colleges and Krishi Vigyan Kendra and learned about Agricultural research and innovative techniques made by the university. Besides, the scientist of the University made them aware the students to make their career in Agriculture Education.

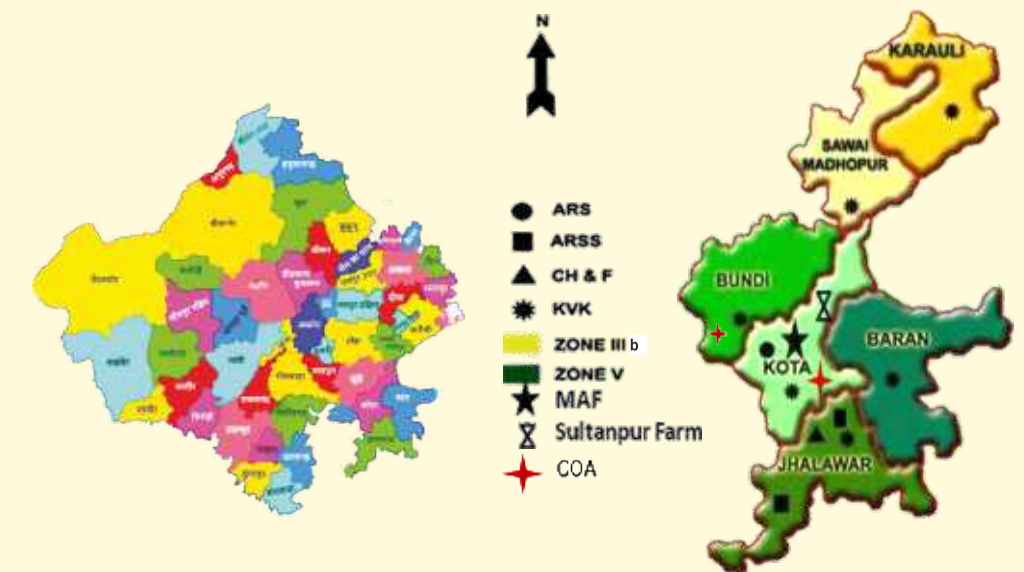


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