

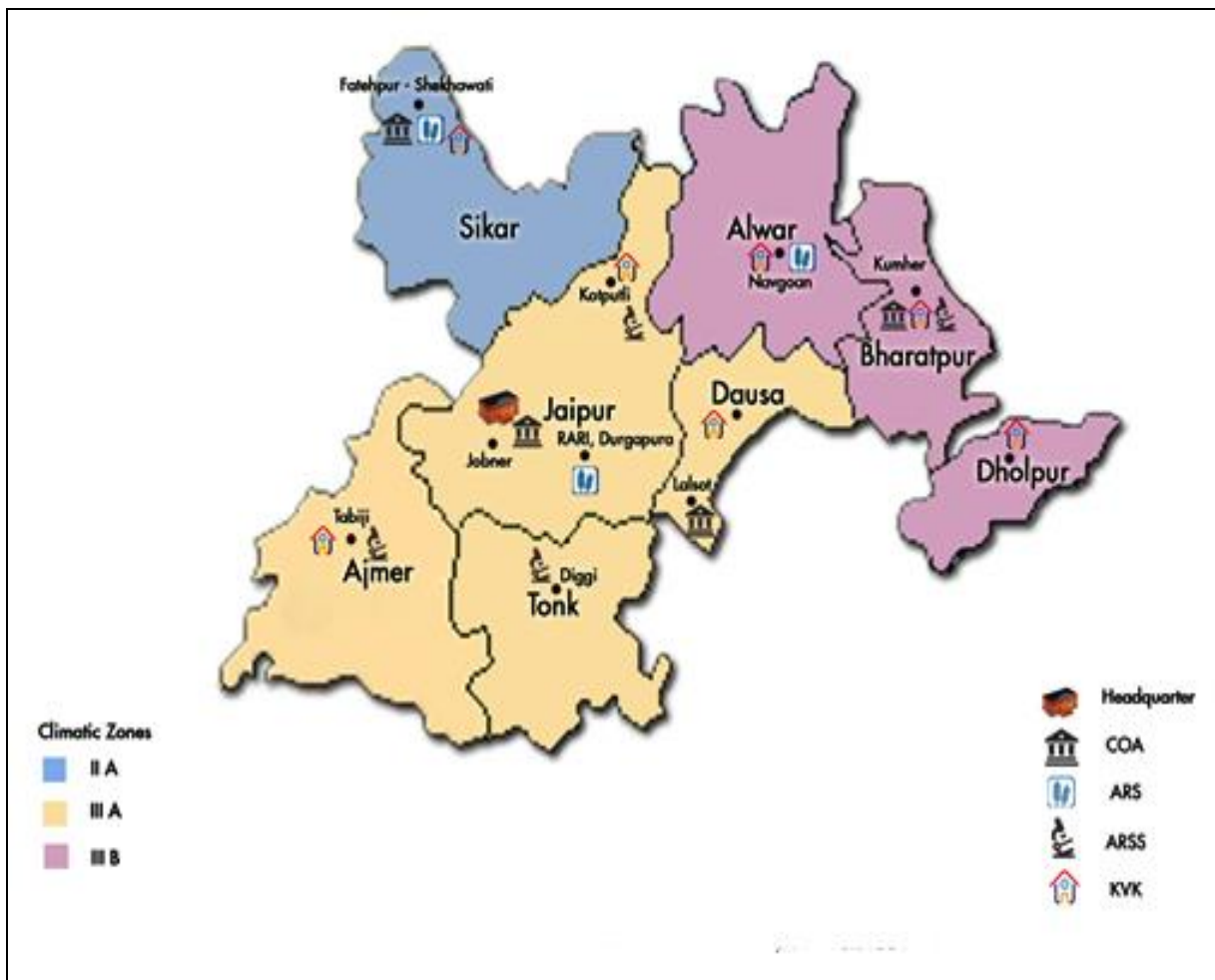


**SRI KARAN NAR ENDRA AGRICULTURE UNIVERSITY  
JOBNER, JAIPUR (RAJASTHAN)**

***AT A GLANCE***

**YEAR 2016**

***Dr PRAVEEN SINGH RATHORE  
VICE-CHANCELLOR***



## INTRODUCTION

Sri Karan Narendra Agriculture University, Jobner was established on 13<sup>th</sup> September 2013 by Govt. of Rajasthan to focus on teaching, research and extension education programmes in the field of agriculture. The university was established with the primary objective to uplift economically backward classes particularly of rural areas to adopt the modern practices in the field of agriculture, animal husbandry and horticulture. The University is named as Sri Karan Narendra in the honor of Rawal Narendra Singh Ji and his father Shri Karan Singh Ji, founder of first Agriculture College of Rajasthan at Jobner in 1947 which was later named after him, Sri Karan Narendra College of Agriculture.

### Objectives

- Imparting education in different branches of Agriculture, Horticulture, Fisheries, Forestry, Agricultural Engineering, Home Science, Basic Science and other allied branches.
- Advancement of learning and research in agriculture and allied sciences.
- Undertaking the extension education of such sciences and technologies especially for the rural people of the state and other objects as the University may determine from time to time.

### Location & Jurisdiction

The University campus is located at Jobner, which is 45 Km by road from Jaipur. The nearest railway station is Asalpur-Jobner on Delhi- Ahmadabad railway line which is at 10 Km distance from the university campus. The nearest airport connecting the University is Jaipur at a distance of 60 Km.

### (A) EDUCATION

#### Colleges:

1. SKN College of Agriculture, Jobner – oldest agriculture college of Rajasthan establish in 1947.
2. College of Agriculture, Lalsot (Dausa).
3. College of Agriculture, Kumher (Bharatpur).
4. College of Agriculture, Fatehpur- Shekhawati (Sikar)
5. SKN College of Agri Business Management

The University has under graduate (UG) and post graduate (PG) programmes. Under graduate program is offered in agriculture faculty at all the four colleges with intake capacity of 340 including 30 ICAR seats and 100 payment seats. M. Sc (Ag) is offered at SKNCoA, Jobner only with intake of 84 students including 18 ICAR seats while Ph.D. is offered at SKNCoA, Jobner as well as RARI, Durgapura, Jaipur with intake of 36 students.

Admission in UG programme is through Joint Entrance Test (JET), which is conducted by one of Rajasthan State Agriculture Universities on rotation basis. Admission in M Sc (Ag.) is on the basis of pre PG test organized by respective university. Admission in Ph.D. is on the basis of merit and interview.

**SKN College of Agriculture, Jobner** is located in the University campus, Jobner. It is the main teaching campus of the university which offers four years B. Sc. (Hons) Ag degree programme with intake of 120 students including ICAR seats and 40 paid seats, two years M Sc (Ag.) with intake of 84 students including ICAR seats, in eleven disciplines and Ph D with intake of 21 students in eight disciplines.



Residue Analysis Lab



Computer Lab



Central Laboratory

The college has a library which is organized on modern lines with open shelf system having 46424 books and subscribes 104 journals including 13 foreign journals, CDROM database AGRIS, AGRICOLA, CABCD, e-journal facility, an Internet center. The whole campus is Wi-Fi. The central laboratory of the college is equipped with HPLC, GC, Deep freezer, Gel documentation system, DNA/Protein electrophoresis, Spectrophotometer, Centrifuges, Thermal cycler for PCR, Atomic Absorption Spectrophotometer and Tissue culture facility. A well developed computer lab with internet facility also exists.

**College of Agriculture, Lalsot** was established in 2007. Presently it is offering only B Sc (Hons) Ag program with intake of 60 students (including ICAR seats and 20 paid seats). The college has administrative block, classrooms, laboratories and hostel facilities for girls and boys.

**College of Agriculture, Bharatpur and College of Agriculture, Fatehpur** was established in 2013, each with intake capacity of 60 students including ICAR seats and 20 paid seats.

**SKN College of Agri-Business Management, Jobner:** Five Year integrated degree course in B.Sc (Ag.) -MBA has been started from the academic session 2016-17 with the intake capacity of 60 students.

**Rajasthan Agricultural Research Institute, Durgapura, Jaipur (RARI)** is main constituent research institute of the University, where Ph. D. programme in disciplines of Agronomy, Entomology, Plant Breeding & Genetics, Plant Pathology and Horticulture has been started in 2013 with intake capacity of 15 students including 5 payment seats. The institute has a central laboratory, crop museum, museum on whitegrub and general insect museum, a sophisticated pesticide residue laboratory, DUS lab, quality & elemental analysis lab, mushroom cultivation facility.

**(B) RESEARCH:**

The long term research goals and objectives of the university are to develop cost effective technology, high yielding varieties along with addressing the conservation of natural resources of soil, water and vegetation by researches conducted at different locations under varied agro-climatic conditions. University also undertakes seed production programmes for facilitating availability of improved seed to the farmers in the state. Maintaining effective linkage with line departments of GOR and providing relevant knowledge and technical information for policy issues related to agricultural development are also important objectives of the University research system. The University has research mandate for generating scientific technology and information through a network of All India Coordinated Research Projects of the ICAR operating at different research stations in the state.

**Research setup:** University has three ARSs and four ARSSs setup to cater the research needs of self & State.

ZONE IIIA: Agricultural Research Station (RARI), Durgapura, Jaipur

ZONE III B: Agricultural Research Station, Navgaon (Alwar).

ZONE II A: Agricultural Research Station, Fatehpur- Shekhawati (Sikar)

1. Agricultural Research Sub-Station, Tabiji (Ajmer).
2. Agricultural Research Sub-Station, Diggi (Tonk).
3. Agricultural Research Sub-Station, Kumher (Bharatpur).
4. Agricultural Research Sub-Station, Goneria (Kotputli).

**Ongoing research projects:**

At present university has 20 All India Coordinated/ Network Research Projects and a number of ad-hoc research projects funded by state government / private companies and collaborative projects with other institutes:

**Ad-hoc Projects:**

- State Govt. funded projects (RKVY): 13
- Private company testing projects : 31
- Collaborative projects from other funding agencies: 08

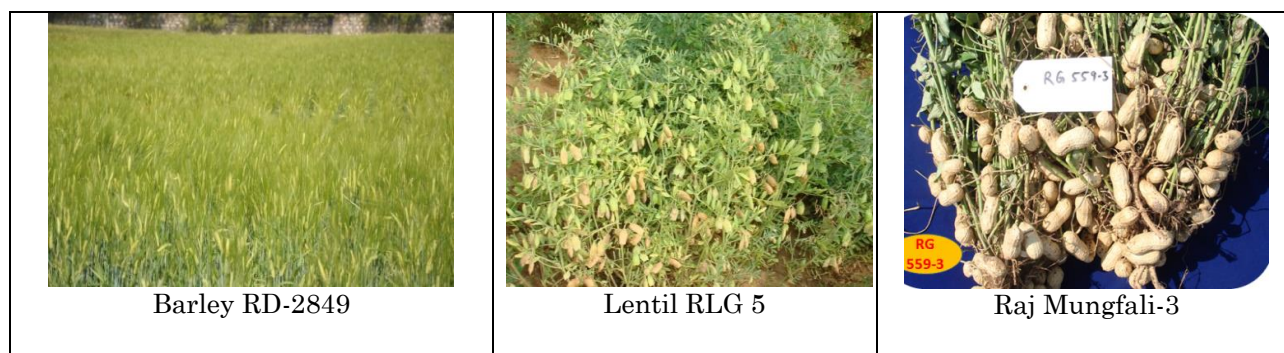
**All India Coordinated Research Project currently operative in the University**

Title of AICRP/AINP Projects	Year	Location
1. AICRP on Vegetables	1970	RARI, Durgapura, Jaipur
2. AICRP on Wheat and Barley	1971	RARI, Durgapura, Jaipur
3. AICRP on Pearl Millet	1976	RARI, Durgapura, Jaipur
4. AICRP on Groundnut	1980	RARI, Durgapura, Jaipur
5. AICRP on Seed Technology Research	1981	RARI, Durgapura, Jaipur
6. AINP on Pesticide Residue	1984	RARI, Durgapura, Jaipur
7. AINP on Soil Arthropod Pests	1985	RARI, Durgapura, Jaipur
8. AICRP on Arid Legumes	1986	RARI, Durgapura, Jaipur
9. AICRP on Integrated Farming System	1990	RARI, Durgapura, Jaipur
10. AINP on Agro-meterology	1996	RARI, Durgapura, Jaipur
11. AICRP on MULLaRP	2001	RARI, Durgapura, Jaipur
12. AICRP on Chickpea	2001	RARI, Durgapura, Jaipur
13. AICRP on Rapeseed and Mustard	1984	ARS, Navgaon
14. AINP on Onion and Garlic	2008	RARI, Durgapura, Jaipur
15. AICRP on Taramira	1988	SKNCOA, Jobner
16. AICRP on Agroforestry	1984	ARS, Fatehpur
17. AICRP on Seed Spices	1979	SKNCOA, Jobner
18. AICRP on Arid Zone Fruits	1984	SKNCOA, Jobner
19. AICRP on Nematodes	2015	RARI, Durgapura, Jaipur
20. AICRP on Sorghum	2015	ARSS, Diggi

## Varieties Developed in the University

Crop	Name of variety	Number
Wheat	RS-31-1, Durgapura-65, Durgapura-134, Kharchia-65, Mangla, Ganga Sunheri, Chambal-65, Raj-1114, Lal Bahadur, Job-666, Raj-1482, Raj-1972, Raj-2535, Raj-3077, Raj-3765, Raj-3777, Raj-4037, Raj-821, Raj-2184, Raj-4229, Raj-4238, Raj-4083, Raj-4079, Raj Molya Rodhak-1, Raj-4120, Raj-6560, Raj-911, Raj-1555	29
Barley	RDB-1, BL-2, Rajkiran, RD-2035, RD-2052, RD-2552, RD-2503, RD-2508, RD-2668, RD-2660, RD-2715, RD-2624, RD-2592, RD-2786, RD-2794, RD-2052, RD-103, RD-915, RS-6, RS-57, RD-221, RD-31, RD-137, RD-118, RD-2849	25
Chickpea	RSG-888, CSJD-884, RSGK-6, RSG-931, RSG-807, RSG-973, RSG-963, RSG-895, RSG-945, RSJ-178, RSG-896, RSG-902, RSG-991, RSG-974, CSJK-6, CSJK-21, CSJ-515	17
Cluster bean	RGC-936, RGC-1002, RGC-1003, RGC-1017, RGC-1033, RGC-1038, RGC-1055, RGC-1066	8
Pearl millet	RCB-2, Raj-171, RHB-30, RHB-58, RHB-90, RHB-121, RHB-154, RHB-173, RHB-177	9
Cowpea	RC-19, RC-101	2
Mungbean	RS-4, R 288-8, D 66-26, RMG-62, RMG-268, RMG-344, RMG-492	7
Lentil	Sapana, DPL-62, IPL-81	3
Groundnut	RG-425, RG-510, RG-578, RG-559-3	4
Mustard	Aravali, Navgold, RRN-505, RRN-573	4
Coriander	RCr-20, RCr-41, RCr-435, RCr-436, RCr-446, RCr-684, RCr-480, RCr-728	8
Cumin	RZ-19, RZ-209, RZ-223, RZ-341, RZ-345	5
Fennel	RF-101, RF-125, RF-143, RF-178, RF-205, RF-145, RF-281	7
Fenugreek	RMt-1, RMt-143, RMt-303, RMt-305, RMt-351, RMt-361	6
Musk Mellon	Durgapura Madhu, RM-50, MHY-3, MHY-5	4
Water Mellon	Durgapura Keser, Durgapura Lal	2
Onion	RO-1, RO-59, RO-252	3
Spinach	Jobner Green	1
Taramira	RTM-314 (Karan Tara), RTM-2002 (Narendra Tara), RTM-1355 (Jwala Tara)	3
Mothbean	Jadia & Jawala	2
Rajmash	RSJ-178	1
<b>Total</b>		<b>150</b>

### Some of the promising Varieties Released in 2016



**(C) EXTENSION EDUCATION:** To carryout extension activities, there are seven KVK's located at Tabji (Ajmer), Dausa, Gonera (Kotputli), Navgaon (Alwar), Kumher (Bharatpur), Dholpur and Fatehpur (Sikar). The important activities of KVKs are:

- Introduction of improved and hybrid varieties of crops/vegetables/fruits/ and their package of practices.
- Increase of milk production by feeding management of milch animals and providing good hygienic conditions..
- Organization of skill oriented trainings on nursery management, food processing and women empowerment by formation of Farmer Interest Group (FIG) and Self Help Group (SHG).
- Organization of Field Day, Farmers' day/ *Vichar Goshthi*, Exhibition, Women in Agriculture Day, Animal relief camp, World Food Day, Kisan Mela.
- Adoption of villages with the aim to develop them in to a Smart Village.

## THRUST AREAS:

- Establishment of College of Agricultural Eng. and Post Harvest Technology, Colleges of Dairy Science & Food Technology, Basic Sciences,
- Training courses in frontier area of agriculture such as Climate Resilience Agriculture, Conservation Agriculture, Precision Agriculture, and Secondary Agriculture.
- Advanced Research Center on Dry land Farming, Centre for Pulses Research, and Centre for Microbial Technology.
- Development of value added products and post harvest technology for Agri-produce.
- Strengthening of inter-disciplinary research, University-industry collaboration, University-ICAR Institute linkage and International collaboration.
- Emphasis on students' experiential learning, personality development and communication skills.
- Scaling up seed production and farmers participatory seed production programme for direct delivery to farmers.
- Plant Health Clinic, Soil Health Clinic to provide services to the farmers.
- Establishing electronic connectivity with all the ARSs, ARSSs and KVKs for fast communication of information and technologies.
- Resource generation through capacity building, training, consultancy, certification, commercialization of innovations & technologies and establishment of Proto type Development and Testing Center.

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