At A Glance

Dr. Narendra S. Rathore
Vice-Chancellor

Sri Karan Narendra Agriculture University
Jobner, Distt- Jaipur, Rajasthan-303329
Introduction

Sri Karan Narendra Agriculture University, Jobner was established on 13th September 2013 by Govt of Rajasthan vide Act No. 20 of 2013 and amendment ordinance No. 23 of 2013 to focus on teaching, research and extension education programmes in the field of agriculture and allied sciences. The university was named as Sri Karan Narendra in the honor and memory of the outstanding and well-known pioneer of Agriculture Education in Rajasthan, Rawal Narendra Singh Ji and his father Shri Karan Singh Ji, who founded Sri Karan Narendra College of Agriculture at Jobner in 1947. The university was established with the primary objective of upliftment of economically backward classes particularly of rural areas to adopt the modern practices in the field of agriculture, animal husbandry and horticulture etc.

The territorial jurisdiction and responsibility of this university extend to eight districts covering three agro-climatic zones:

II A: Transitional plain of inland drainage - Sikar
II B: Semi-arid eastern plains - Jaipur, Ajmer, Tonk, Dausa
III B: Flood prone eastern plains - Alwar, Bharatpur, Dholpur

Location

The University campus is located in Jobner town at a distance of 45 km by road from Jaipur. On train route it is about 10 km from Asalpur-Jobner railway station on Delhi – Ahmadabad main line (37 km from Jaipur & 18 km from Phulera). The nearest air port connecting the University is Jaipur at a distance of 60 km. The university territorial jurisdiction is characterized by 75 percent of arid and semi-arid area. The campus is provided with a Post Office, ICICI Bank, Telephone Exchange, Veterinary Clinic, Indane Gas Agency, Secondary School and Guest House.

Organogram

Vice-Chancellor

Deans
Registrar
Comptroller
Controller of Examination
Estate Officer
Directors

1. SKN College of Agriculture, Jobner
2. College of Agriculture, Lalsot (Dausa)
3. College of Agriculture, Bharatpur
4. College of Agriculture, Fatehpur (Sikar)

1. Research
2. Education
3. Extension Education
4. Prioritization, Monitoring & Evaluation
5. Students Welfare
6. Human Resource Development

Objectives

1. For imparting education in different branches of Agriculture, Horticulture, Fisheries, Forestry, Agricultural Engineering, Home Science, Basic science and other allied branches.
2. Advancement of learning and research in Agriculture and allied sciences.
3. Undertaking the extension education of such sciences and technologies specially for the rural people of the state and other objectives as the university may determine from time to time.
are as follows:

(A) **Colleges:**
1. SKN College of Agriculture, Jobner (Jaipur)
2. Agriculture College, Lalsot (Dausa)
3. Agriculture College, Kumher (Bharatpur)
4. Agriculture College, Fatehpur-Shekhawati (Sikar)

(B) **Agricultural Research Stations/Sub-Stations/Institutes:**
1. Rajasthan Agricultural Research Institute, Durgapura, Jaipur
2. Agricultural Research Station, Fatehpur-Shekhawati (Sikar)
3. Agricultural Research Station, Navaon (Alwar)
4. Agricultural Research Sub-Station, Tabiji (Ajmer)
5. Agricultural Research Sub-Station, Digg (Tonk)
6. Agricultural Research Sub-Station, Kumher (Bharatpur)
7. Agricultural Research Sub-Station, Gonna-Kotputali (Jaipur)

(C) **Krishi Vigyan Kendras:**
There are seven KV K located at Tabiji (Ajmer), Dausa, Gonna-Kotputali (Jaipur), Navaon (Alwar), Kumher (Bharatpur), Dholpur and Fatehpur-Shekhawati (Sikar).

**Education**

The University has under graduate and post graduate programmes. Under graduate program is offered at all the four colleges with intake capacity of 250 including 30 ICAR and 50 payment seats. Post graduate programme leading to M Sc (Ag) is offered at SKN COA, Jobner only with intake of 60 students including 15 ICAR seats and Ph D is offered at SKN COA, Jobner as well as at RARI, Durgapura, Jaipur with total intake of 26 students.

Admission in UG is made through Joint Entrance Test (JET) and in PG course i.e. M Sc (Ag.) on the basis of Pre-PG test and Doctoral programme on the basis of merit and interview.

SKN College of Agriculture, Jobner is the main teaching campus and it offers four years B Sc (Hons) Ag. with intake of 100 students including 12 ICAR and 20 paid seats; two years M Sc (Ag.) with intake of 60 students including ICAR seats in 11 departments and Ph D with intake of 16 students in 8 departments as given below:

<table>
<thead>
<tr>
<th>M.Sc. (Uni+ICAR)</th>
<th>Ph.D (SKNCOA+RARI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agronomy</td>
<td>5+2</td>
</tr>
<tr>
<td>Plant Breeding &amp; Genetics</td>
<td>5+2</td>
</tr>
<tr>
<td>Horticulture</td>
<td>5+2</td>
</tr>
<tr>
<td>Extension Education</td>
<td>5+2</td>
</tr>
<tr>
<td>Agricultural Economics</td>
<td>4+1</td>
</tr>
<tr>
<td>Soil Science &amp; Ag Chemistry</td>
<td>4+1</td>
</tr>
<tr>
<td>Plant Pathology</td>
<td>4+1</td>
</tr>
<tr>
<td>Entomology</td>
<td>4+1</td>
</tr>
<tr>
<td>Plant Physiology</td>
<td>3+1</td>
</tr>
<tr>
<td>Live Stock Production &amp; Management</td>
<td>3+1</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>3+1</td>
</tr>
</tbody>
</table>
The college has a library which is established on modern lines with open shelf system having 46,424 books and subscribes 104 journals. It also includes 13 foreign journals, CDROM database AGRIS, AGRICOLA, CABI, e-journal facility, an Internet center and one ISDN line connection. 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 and Tissue culture facility. A well developed computer lab with internet facility also exists. The college is fully residential with 6 hostels, having excellent games and students welfare facilities.

Agriculture College, Lalsot was established in 2008 having B Sc (Hons) Ag. program with intake of 50 students including 6 ICAR and 10 paid seats. The college has good infrastructural facilities like administrative block, classrooms, boys hostel and laboratories etc.

Agriculture College, Bharatpur and Agriculture College, Fatehpur have been established in 2013, each with intake capacity of 50 students including 6 ICAR and 10 paid seats.

Rajasthan Agricultural Research Institute, Durgpura, Jaipur is a constituent research institute of the University. This institute has also started PhD programme from 2013 in disciplines of Agronomy, Entomology, Horticulture, Plant Breeding & Genetics, and Plant Pathology with intake of 10 students.

### Research

**Mandates:**

- Development of improved varieties / hybrids of important cereals, pulses, millets, spices and horticultural crops suitable particularly for agro-climatic zones of the University
- Development of efficient and diversified land use system and location specific production technologies for enhancing productivity.
- Development of speedy transfer of technology mechanism for the farmers and extension functionaries.

### Ongoing research projects

1. AICRP on Wheat & Barley
2. AICRP on Seed Technology Research
3. AICRP on MULLaRP Crops
4. AICRP on Chickpea
5. AICRP on Pearl millet
6. AICRP on Arid legumes
7. AICRP on Groundnut
8. AICRP on Vegetable crops
9. AICRP on Breeder Seed Production
10. AICRP on Cropping System Research
11. AICRP on Post Harvest Technology
12. AICRP on Seed Spices
13. AICRP on Taramira
14. AICRP on Arid zone Fruits
15. AICRP on Agro-forestry
16. AICRP on Rapeseed-Mustard
17. AINP on Whitegrubs and OSA
18. AINP on Pesticide Residues
19. AINP on Agro-meterology
20. AINRP on Onion & Garlic
21. Development of high yielding Kasuri methi
## Varieties developed

<table>
<thead>
<tr>
<th>Crop</th>
<th>Varieties</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheat</td>
<td>Lal Bahadur, Raj 3077, Raj 3765, Raj 3777, Raj 4037, Raj 4229 (IR-TS),</td>
</tr>
<tr>
<td></td>
<td>Raj 4238 (IR-LS), Raj 4083, Raj 4079, Raj Molya, Rodhak-1, Raj 4120</td>
</tr>
<tr>
<td>Barley</td>
<td>RDB-1, RD 2035, RD 2552, RD 2503, RD 2668, RD 2660, RD 2715, RD 2624,</td>
</tr>
<tr>
<td></td>
<td>RD 2786 (IR-TS), RD 2794</td>
</tr>
<tr>
<td>Gram</td>
<td>RSG 888, RSG-973 (Abha), CSJD-884 (Akash), RSG-991, RSGK-6, RSGK-6</td>
</tr>
<tr>
<td>Mustard</td>
<td>Durgamani, Aravali, Navgold, RRN 505, RRN 573</td>
</tr>
<tr>
<td>Pearl millet</td>
<td>Raj 171, RHB 154 and hybrids viz. RHB 90, RHB 121, RHB 127, RHB 173,</td>
</tr>
<tr>
<td></td>
<td>RHB 177</td>
</tr>
<tr>
<td>Groundnut</td>
<td>RG 425, RG 382, RG 141</td>
</tr>
<tr>
<td>Clusterbean</td>
<td>RGC 936, RGC 1002, RGC 1003, RGC 1017, RGC 1033, RGC 1038, RGC 1055,</td>
</tr>
<tr>
<td></td>
<td>RGC 1066</td>
</tr>
<tr>
<td>Cowpea</td>
<td>Grain (RC 19), White grain (RC 101)</td>
</tr>
<tr>
<td>Mungbean</td>
<td>RMG 62, RMG 268, RMG 344, RMG 492</td>
</tr>
<tr>
<td>Musk melon</td>
<td>Durgapura Madhu RM-50, MHY-3, MHY-5</td>
</tr>
<tr>
<td>Water melon</td>
<td>Durgapura Kesar (RW 187-2), Durgapura Lal (RW 177-3)</td>
</tr>
<tr>
<td>Onion</td>
<td>RO-1, RO 59, RO 252</td>
</tr>
<tr>
<td>Coriander</td>
<td>RCr 446, RCr 436, RCr 435, RCr 480 &amp; RCr 728</td>
</tr>
<tr>
<td>Cumin</td>
<td>RZS 341, RZ 223 &amp; RZ 345</td>
</tr>
<tr>
<td>Fennel</td>
<td>RF 101, RF 125, RF 178, RF 143 &amp; RF 205</td>
</tr>
<tr>
<td>Fenugreek</td>
<td>RMt 351, RMt 305 &amp; RMt 361</td>
</tr>
<tr>
<td>Taramira</td>
<td>RTM 314 &amp; RTM 2002.</td>
</tr>
<tr>
<td>Pearl millet</td>
<td>Raj Bajra Chari 2</td>
</tr>
<tr>
<td>Spinach</td>
<td>Jobner Green</td>
</tr>
<tr>
<td>Mothbean</td>
<td>Jwals, FMM 96, ICPMO 912</td>
</tr>
</tbody>
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## Extension Activities

- Sustainable productivity of different crops by plant protection measures and fertilizer, water & weed management.
- Sustainable agriculture by use of bio-fertilizers and green manuring.
- Introduction of improved and hybrid varieties of vegetables/fruits/crops and their package of practices.
- Increase of milk production by feeding management of milch animals and providing good hygienic conditions.
- Upliftment of farm families by creating awareness about food management practices and their storage techniques.
- Organization of skill oriented trainings on diversification in Agriculture, Food Processing etc.
- Farmers capacity building and women empowerment by formation of FIG and SHG.
- Organization of Field Day, Farmers' day/ Vichar Goshthi, Exhibition, Women in Agriculture Day, Animal Relief Camp, Word Food Day etc.
Future Thrusts

- Establishment of Colleges of Technology for UG education in Dairy, Food, Bio, Information, Nano & Energy Technology, Basic Sciences and Agri-Business Management.
- New Ph. D. programmes in Molecular Biology, Biochemistry and Bio-informatics.
- Advance training courses in frontier area of agriculture as Climate Resilience Agriculture, Conservation Agriculture, Precision Agriculture, Secondary Agriculture and Speciality Agriculture.
- Advanced research center on Water / Salinity Stresses and Climate Change.
- 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, hands on training, personality development and improving communication skills.
- Scaling up seed production and improved delivery to 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 Prototype Development and Testing Center.

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