

# SHEKHAWATI INSTITUTE

(Affiliated to Sri Karan Narendra Agriculture University, Jobner, Jaipur)

## B.Sc. Agriculture Hons. Course (Intake-120 Seats)

One of the major challenges before the Government of India and State governments is agriculture and rural development as nearly 60% of rural population still dependent on agriculture and allied activities of their livelihoods. For rural people agriculture is a “way of life” which needs to be transformed to an “enterprise”. So as to earn a decent income and livelihoods. This necessitates the requirement of trained man power/ human resources to conduct research and educate the rural people in general and farmers in particular. The Shekhawati Institute in the state of Rajasthan will strive towards the said purpose by training the human resources in the field of Agriculture. However, the constituent agricultural colleges of Rajasthan are not sufficient to produce enough man power. Hence, the government of Rajasthan has taken a decision to establish agriculture section in Shekhawati Institute affiliated to Sri Karan Narendra University Jobner (SKNAU, Jobner). Shekhawati Institute Agriculture department will be fully dedicated to achieve its agricultural production targets by transforming agriculture from a way of life to an enterprise.

The Shekhawati Institute Agricultural Section, Sikar has sufficient faculty with required laboratory facilities to train 120 students of B.Sc. (Hons.) Agriculture every year from 2019-20 onwards. Shekhawati Institute has taken onboard the qualified Assistant/ Associate Professors and Associate Dean leading the institute from the front. The Shekhawati Institute is presently situated in more than 16 acres campus surrounded by Educational Institutes catering to the Educational needs of the other students of the district. Shekhawati Institute has acquired more than 30 hectare of land for agriculture related activities. This land could be fully used for the practical purpose of the students to gain firsthand knowledge of various agricultural and horticultural operations through hands on experience mode. The qualified faculty fully involved in teaching and demonstrating the knowledge and skills in various disciplines of Plant Sciences to Social sciences to make the students realize real rural life situations and eventually empathize with the rural farmers through facilitation to produce more at less cost of cultivation. Through our curriculum and experiential opportunities, Shekhawati Institute Agriculture unit develops leadership ability, civic responsibility, and curiosity in the students. Through our interactions with the farmers, Shekhawati Institute makes invaluable contributions to an ever-increasing knowledge base. In all facets of our mission, Shekhawati Institute honors the past, is engaged in the present, and helps shape the future.

### **Genesis and Growth**

Shekhawati Institute is affiliated from Sri Karan Narendra Agriculture University, Jobner, Jaipur (SKNAU). The valuable contributions made by the agricultural scientists of Indian research institutes have helped the Nation in maintaining the balance between its population growth and agricultural production. In order to increase productivity, improve quality and profitability notwithstanding with the population pressures, rigorous efforts will carry on the way at this venue. Being foremost in advancement of agricultural research activities in the state, today, this college is a pride of Rajasthan.

### **Mission**

To conduct esteem teaching, practical and extension activities for enhancing productivity, profitability and sustainability of agricultural production systems and to improve the quality of rural livelihood in the country in general and state of Rajasthan in particular.

### **Lead Functions**

Development of varieties and technologies for irrigated wheat, barley, chickpea, lentil, pea, pearl millet, groundnut, cluster bean and vegetables; integrated farming system, integrated nutrient management including organic farming and nutrient recycling, drought and high temperature stress, white grub management, biological pest control, nematode management in cereals and pulses, and post harvest technology are the lead functions.

### **Infrastructure and Support Services**

Own building with well furnished furniture and other facilities. Own land is available for the institution itself. This institute has well equipped laboratories and other infrastructure facilities to conduct research in the identified thrust areas. The various laboratories include Pesticide Residue Lab., White grub & other soil Arthropods Lab, Bio-agent production Lab., Seed Technology Research Lab., Crop Physiology Lab; Soil & Plant Elemental Analysis Lab; Wheat Quality Lab., Pathology Lab., Microbiology Lab., Vermicompost Unit, Plant health clinic and Post Harvest Technology Lab. This institute also has some general facilities like the CIMCA (Centre for Information Management and Computer Application), Library & Information Centre, Workshop, etc. As an important academic activity, Academy of Agriculture, Allied Sciences and Technology (AAAST) has been established with the objectives to organize symposia, seminars and publish the research highlights. More than 30 reputed and 60 administrative, supporting and auxiliary staff members are engaged in various academic & nonacademic activities. The Institute also has its own dairy farm which is widely operated in production of pure raw milk. More than 250 animal wages are available on dairy farm and it also has an inclusive milk parlor with the latest advanced technology. Monitoring system of latest advanced technology is being monitored

for animal health and many labs, equipments are available for veterinary treatment. All new techniques, tools are used for the medical and maintenance of animals. Many programs are run by the farm for breed improvement also. At present, the breed of animals that one available in institute's farm, produces more than 40 liters milk on daily basis. The Institute also has its own agricultural farm that one used for all agriculture related activities and land is in the process of development for organic farming. The farm occupied with the latest technology equipments.

Following disciplines, have been working through multidisciplinary approach

→ Plant Breeding & Genetics	→ Horticulture
→ Agronomy	→ Seed Technology Research
→ Soil Science & Agricultural Chemistry	→ Breeder Seed Production
→ Plant Pathology	→ Agricultural Engineering
→ Entomology	→ Statistics
→ Nematology	→ Agricultural Economics
→ Physiology	→ Post Harvest Technology
→ Biochemistry	→ Agrometeorology

### **The Area of Influence**

The Esteem Institute “Shekhawati Institute” provides best quality education with deep knowledge of practical in Agriculture filed under the guidance of reputed & highly experienced faculties for serving the nation in the field of agriculture.

\*\*\*Any one can feel free to contact on below mentioned address, e-mail or contact no\*\*\*

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