



SAARTHI - सारथी

करियर मार्गदर्शन पोर्टल · Career Guidance Portal

"सही मार्गदर्शन, उज्ज्वल भविष्य।"

करियर शीट · CAREER SHEET

कृषि विज्ञानी

An agricultural scientist (agronomist) is an expert in crop production and soil management. Through experiments and research they find ways to raise crop yields and improve soil health and plant nutrition. In India this career is...



Scan for everything on this career

Salary, exams, colleges, the routes in and the steps after — all on the portal.

career.gsssjethantri.in/#/career/agricultural-scientist

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Govt. Sr. Sec. School, Jethantri · ब्लॉक समदड़ी · बालोतरा (Block Samdari · Balotra)

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सुशील कुमार शर्मा

प्रधानाचार्य, रा.उ.मा.वि. जेठन्तरी · मास्टर ट्रेनर
Principal, GSSS Jethantri · Master Trainer



श्री चेनाराम चौधरी

प्रधानाचार्य, डाइट बाड़मेर
Principal, DIET Barmer



श्रीमती संघमित्रा

वरिष्ठ व्याख्याता, डाइट बाड़मेर (सहयोग)
Sr. Lecturer, DIET Barmer (Support)



भरत चौधरी

अभिकल्पना व विकास · व्याख्याता (इतिहास)
Designed & developed · Lecturer (History)

विशेष धन्यवाद · SPECIAL THANKS



सुरेन्द्र सिंह राठौड़

व्याख्याता (इतिहास) · रा.उ.मा.वि. कानाना



सुरेश कुमार सैन

व्याख्याता (भूगोल) · रा.उ.मा.वि. रामसीन मूंगड़ा



वनिता कुमारी

व्याख्याता (इतिहास) · रा.उ.मा.वि. रामसीन मूंगड़ा



कमलेश चौधरी

व्याख्याता (राजनीति विज्ञान) · रा.उ.मा.वि. टापरा

करियर मार्गदर्शन कार्यशाला, डाइट बाड़मेर (14-17 जुलाई 2026) में विकसित व लोकार्पित
Developed & unveiled at the Career Guidance Workshop, DIET Barmer (14-17 July 2026)

यह एक स्वतंत्र परियोजना है, जो सरकार की आधिकारिक करियर-मार्गदर्शन सामग्री पर आधारित है। · An independent project based on the Government's official career-guidance content.

1 About this career

An agricultural scientist (agronomist) is an expert in crop production and soil management. Through experiments and research they find ways to raise crop yields and improve soil health and plant nutrition. In India this career is tied to ICAR's Agricultural Research Service (ARS) and Dr. M. S. Swaminathan's Green Revolution legacy.

2 At a glance

Minimum qualification	10+2 (PCB/PCM) then B.Sc Agriculture
Selection exam	ICAR AICE-UG/PG, ARS-NET
Starting salary	₹25,000–45,000/month
Work mode	Farms, research institutes, labs

3 What you need

INTERESTS

- Deep interest in science and nature
- Enjoy working outdoors and in fields
- Analysing problems and situations

ABILITIES

- Scientific thinking and ability to experiment
- Observing and analysing data
- Patience and dedication for long research

KEY SKILLS

- Knowledge of crop and soil science
- Lab and field trial techniques
- Data analysis and statistics
- Plant breeding and biotechnology understanding
- Research writing and reporting
- Communication and extension work with farmers

4 How to get there

- 1 Complete 10+2 in science stream (Physics, Chemistry, Biology).
- 2 Do a B.Sc in Agriculture / Biotechnology / Microbiology / Plant Genetics.
- 3 Pursue an M.Sc in the same or a related field.
- 4 For a research career, complete a Ph.D. and clear ICAR ARS-NET.
- 5 Sit the ICAR ARS examination for the Agricultural Scientist (ARS) post.

MAIN EXAMS

- ICAR AICE-UG (undergraduate entrance)
- ICAR AICE-PG (postgraduate entrance)
- ICAR ARS-NET (scientist recruitment and eligibility)

5 Where to study

GOVERNMENT INSTITUTES

- श्री कर्ण नरेंद्र कृषि विश्वविद्यालय (SKNAU) — Jobner, Jaipur, Rajasthan (<https://sknau.ac.in/>)
- महाराणा प्रताप कृषि एवं प्रौद्योगिकी विश्वविद्यालय (MPUAT) — Udaipur, Rajasthan (<https://www.mpuat.ac.in/>)
- भारतीय कृषि अनुसंधान संस्थान (ICAR-IARI) — New Delhi (<https://www.iari.res.in/>)
- बनारस हिंदू विश्वविद्यालय (BHU) — Varanasi, Uttar Pradesh (<https://www.bhu.ac.in/>)

PRIVATE INSTITUTES

- बनस्थली विद्यापीठ — Tonk, Rajasthan
- सैम हिगिनबॉटम कृषि, प्रौद्योगिकी एवं विज्ञान विश्वविद्यालय (SHUATS) — Prayagraj, Uttar Pradesh

ONLINE

- SWAYAM / NPTEL कृषि पाठ्यक्रम — Online (<https://swayam.gov.in/>)
- IGNOU (दूरस्थ शिक्षा) — Online / distance (<https://www.ignou.ac.in/>)

FEES

Government agricultural universities charge relatively low fees (about ₹20,000–50,000/year); at private institutes the full course can cost around ₹2,00,000–3,00,000. Figures are indicative and vary by institute.

SCHOLARSHIPS

- राष्ट्रीय छात्रवृत्ति पोर्टल (NSP) (<https://scholarships.gov.in>)
- ICAR राष्ट्रीय प्रतिभा छात्रवृत्ति (NTS) (<https://icar.org.in/>)
- राजस्थान समाज कल्याण विभाग छात्रवृत्ति (<https://sje.rajasthan.gov.in>)
- Buddy4Study छात्रवृत्ति (<https://www.buddy4study.com>)

6 What the work is like

WHERE YOU WORK

Agricultural cooperatives, ICAR government research institutes, agricultural universities, Krishi Vigyan Kendras (KVKs), NGOs, farms and private seed/agrochemical companies.

WORK CULTURE

It is largely a field job with 5–6 days a week and 8–9 hours a day. Local travel and farm visits are part of the role. Opportunities also exist for persons with disabilities.

WHO HIRES

- Indian Council of Agricultural Research (ICAR) and its institutes
- Krishi Vigyan Kendras (KVKs) and state agriculture departments
- Agricultural cooperatives (e.g. IFFCO, KRIBHCO)
- State agricultural universities (SKNAU, MPUAT)
- Seed and agrochemical companies (e.g. Mahyco, Rasi Seeds)
- Agriculture-focused NGOs and international institutes

DEMAND (2026)

Rising population, climate change and food-security needs are increasing demand for agricultural scientists in sustainable, high-yield farming. Rajasthan's dryland agriculture especially needs water-efficient and drought-tolerant crop research.

7 Career growth

- 1 Agronomist / Scientist (ARS)
- 2 Senior Scientist
- 3 Principal Scientist / Head of Division
- 4 Director / Project Coordinator

EARNINGS

Starting	₹25,000–45,000/माह
Mid level	₹60,000–90,000/माह
Senior level	₹1,20,000+/माह

ICAR ARS scientists are paid on the 7th Pay Commission scale. Figures are indicative for 2026 and vary by institute and experience.

8 The good parts · The challenges

The good parts

- Direct contribution to food security and social respect
- Government-job stability and research opportunities
- Chance to work with nature and in the field

The challenges

- Field work in heat, sun and varying weather
- Research can take a long time to show results
- Tough competitive exams for scientist posts

9 Real-life journeys

Dr. M. S. Swaminathan

Agricultural scientist, father of India's Green Revolution

Dr. M. S. Swaminathan was a plant geneticist who developed high-yielding wheat varieties that saved India from famine in the 1960s and brought food self-sufficiency. Known as the 'father of India's Green Revolution', his legacy underpins this entire field.

Wikipedia · https://en.wikipedia.org/wiki/M._S._Swaminathan

Dr. C. Jayanthi

Director, Crop Management, Tamil Nadu Agricultural University

Dr. C. Jayanthi earned her B.Sc, M.Sc and Ph.D. in agriculture from Tamil Nadu Agricultural University. She became the first woman to win the Indian Society of Agronomy's gold medal, showing that with dedication and research women can reach the top of this field.

The Times of India · <https://timesofindia.indiatimes.com/city/coimbatore/tnaus-jayanthi-1st-woman-to-win-society-of-agronomy-gold/articleshow/55919875.cms>

10 Sources & further reading

1. Rajasthan Career Guidance Portal — <https://cg.rajasthan.gov.in/careerguidance/hi/career/%e0%a4%95%e0%a5%83%e0%a4%b7%e0%a4%bf-%e0%a4%b5%e0%a4%bf%e0%a4%9c%e0%a5%8d%e0%a4%9e%e0%a4%be%e0%a4%a8%e0%a5%80/>
2. Indian Council of Agricultural Research (ICAR) — <https://icar.org.in/>
3. SKN Agriculture University, Jobner — <https://sknau.ac.in/>
4. National Scholarship Portal — <https://scholarships.gov.in>



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career.gsssjethantri.in