

# Agronomy and Forestry Technicians

**Aliases:** Forest Technician, Agronomist

**Industry/Sector(s):** Agriculture

## JOB DESCRIPTION <sup>3</sup>

The tasks an Agronomy and Forestry Technician is expected to perform include:

- Performing technical tasks connected with research in agronomy and forestry
- Developing agricultural and forestry applications
- Analysing forests and agricultural lands for disease, growth conditions, and insect infestations
- Tracking wildlife movement
- Interpreting aerial photographs to determine types of timber and habitat
- Prescribing correct fire-management activities
- Cleaning and repairing existing trails or constructing new trails
- Gathering data on disease and insect damage to trees as well as water and soil quality
- Assisting with animal breeding and nutrition
- Conducting tests and experiments to improve yield and quality of crops
- Ensuring necessary steps to increase the resistance of plants and animals to disease
- Carrying on research and development of production technology, quality control, packaging, etc.

## WORK ENVIRONMENT <sup>3</sup>

- It is a field job
- Work from home option is not available
- Part-time work and contractual jobs maybe available
- Local travelling is part of the job
- Supervising a team of Entry Level Technicians or Assistants is required

### Working hours

- Working is 9 hours everyday for 6 days a week
- Overtime maybe required
- Shift system is not available

### Is the job suitable for a candidate with special needs?

Yes

## EDUCATIONAL QUALIFICATIONS AND TRAINING <sup>5</sup>

Minimum – Preferably Bachelor's Degree in Agricultural Science or Forestry

## KEY COMPETENCIES <sup>2</sup>

- Proficient in analysing agricultural lands and forests for disease, growth conditions and insect infestations
- Efficient in conducting tests and experiments to improve yield and quality of crops
- Knowledge of how to increase the resistance of plants and animals to disease or infections
- Knowledge of how to track wildlife movement
- Knowledge of both, rural and urban forestry
- Knowledge of information pertaining to fire, safety and sanitation regulations
- Skilled in gathering and interpreting data on disease and insect damage to trees, crops, water and soil
- Knowledge of the latest developments in agronomy and forestry practices

## DESIRABLE COMPETENCIES <sup>5</sup>

Master's or PhD in Agriculture or Forestry

## AVAILABLE SKILL TRAINING AND LEARNING INSTITUTES

- Agricultural colleges and institutes across India
- ICAR colleges and universities across India
- Forestry and wildlife colleges across India

## AVAILABLE SKILL TRAINING SCHEMES/SCHOLARSHIPS

- <http://nscsindia.org/AboutUs.aspx> <http://www.icar.org.in/en/node/378>
- <http://mhrd.gov.in/scholarships-education-loan>

## SAMPLE OF TRAINING AND LEARNING COURSES

- [http://www.cutm.ac.in/pdf/SYLLABUS%20B.SC.%20AGRICULTURE%20\(2013-17\).pdf](http://www.cutm.ac.in/pdf/SYLLABUS%20B.SC.%20AGRICULTURE%20(2013-17).pdf)
- <https://targetstudy.com/courses/bsc-forestry.html>
- <http://www.icar.org.in/files/edu/Revised-PG-Course-Curricula-and-Syllabi/Forestry%2030.4.2009.pdf>

## CAREER PROGRESSION PATH <sup>1</sup>

General Manager, Farm



Supervisor, Agronomy and Forestry Operations



Senior Technician



**Agronomy and Forestry Technicians**

**Transfer option**

•India: Yes

•Abroad: No

(\*This field to open the relevant job title when clicked)

## EXPECTED EARNINGS <sup>6</sup>

•For freshers – ₹ 55,000 to ₹ 75,000 per month

•For candidates with experience of 1 to 6 years – ₹ 1,25,000 to ₹ 2,00,000 per month

(These figures are indicative and subject to change)

## REQUIRED WORK EXPERIENCE

Not required

## PROBABLE EMPLOYERS <sup>2</sup>

•Government institutes for agriculture research

•Government forestry department

•Wildlife reserves and research institutes

•Farms across India

## PEOPLE'S CORNER

Coming Soon

## KEYWORDS

Agronomy and Forestry Technician, Forestry Technician

## OCCUPATIONAL CODES AND STANDARDS

Standard	Code	Description
NCO 2015	3142.9900	Agronomy and Forestry Technicians
ISCO 2008	3142	Agricultural Technicians
NIC 2008	33124	Repair and maintenance of agricultural machinery and forestry and logging machinery including agricultural tractors
QP Reference	NA	NA
NSQF	NA	NA

## REFERENCES

1	1 National Classification of Occupations – Division - 2 – Agronomy and Forestry Technicians
2	<a href="http://education-portal.com/articles/Forestry_Technician_Job_Description_Duties_and_Requirements.html">http://education-portal.com/articles/Forestry_Technician_Job_Description_Duties_and_Requirements.html</a>
3	<a href="http://www.mymajors.com/career/agronomy-technician/skills">http://www.mymajors.com/career/agronomy-technician/skills</a>
4	<a href="http://iari.res.in/?option=com_content&amp;view=article&amp;id=100&amp;Itemid=582">http://iari.res.in/?option=com_content&amp;view=article&amp;id=100&amp;Itemid=582</a>
5	<a href="http://career.webindia123.com/career/options/basic_environmental_science/forestry/eligibility.htm">http://career.webindia123.com/career/options/basic_environmental_science/forestry/eligibility.htm</a>
6	<a href="http://www.timesjobs.com/jobskill/agricultural-technician-jobs">http://www.timesjobs.com/jobskill/agricultural-technician-jobs</a>
7	<a href="http://star.bengalsiksha.org/course-details/8">http://star.bengalsiksha.org/course-details/8</a>
8	<a href="http://www.ibef.org/industry/agriculture-india.aspx">http://www.ibef.org/industry/agriculture-india.aspx</a>