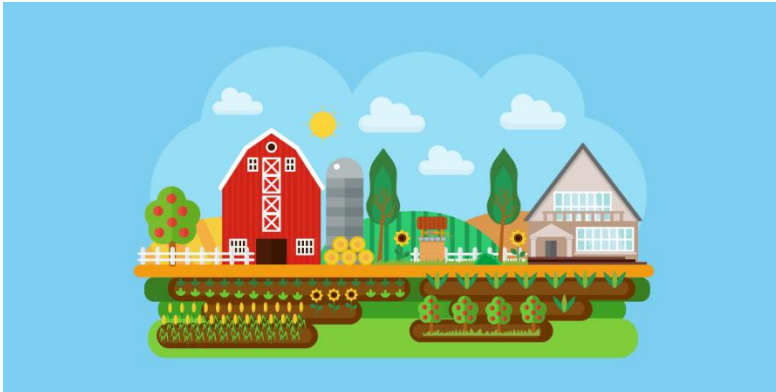


# AGRONOMY



## SUMMARY



Agronomy is defined as the science and technology of producing and utilizing plants for different uses such as obtaining fuel, land reclamation, food and fibre. Agronomy is a branch of agricultural science that includes work in the fields of plant physiology, soil science, meteorology, and plant genetics. Agronomists focus on developing techniques to enhance the production of food and fibre crops.



## CAREER OPPORTUNITIES IN AGRONOMY

- Plant Scientists
- Rural practice surveyor
- Soil Scientist
- Agricultural Consultant
- Agro-industry Sector Jobs
- Services Sector Jobs
- Corporations
- Agriculture Management
- Self-Employment



## HOW TO PURSUE A CAREER IN AGRONOMY

	Stream	Graduation	After Graduation	After Post Graduation
<b>Path 1</b>	Clear Class XII in Science Stream with PCB/PCMB	Pursue B. Sc Agriculture (Hons.) for 3 years	Pursue M. Sc in Agriculture for 2 years	Ph.D for 2-3 years/Job



## IMPORTANT FACTS

- Some colleges have English as a mandatory subject in Class XII
- Must have passed class 12th or senior secondary examination with at least 50% marks including English
- The minimum age limit is 17 years for the B.Sc course

## TOP AGRONOMY INSTITUTES IN THE WORLD

Institution	Location
Cornell University	United States
University of Florida	United States
Wageningen University	Netherlands
University of California, Berkeley	United States
The Australian National University	Australia
University of California, Davis	United States
Purdue University	United States
University of Queensland	Australia



## WORK DESCRIPTION

- Developing plans for irrigation, soil improvement and drainage.
- Examining and developing techniques to obtain quality products.
- Supervising the manufacturing of food prepared from agricultural products.
- Determining the improved techniques for sowing of crops.
- Managing and improving the agricultural techniques in the plant cultivation.
- Developing methods to produce the best crops in the most reliable way in any condition.
- Selecting and sourcing of seeds, fertilizers and other resources.
- Developing techniques to control pests and weeds to yield disease free crops.
- Innovating on methods to produce the best crop in the most reliable way in any condition.
- Formulating schemes for livestock production.
- Writing reports on the experiments conducted and data collected.



## PROS & CONS OF A CAREER IN AGRONOMY

### PROS

- Since the number of individuals pursuing this course are still limited, with the right type of education and training, you can be in great demand in the job market.
- Professionals in the field get to work in laboratories which might be an attractive work environment for some.

### CONS

- The jobs of agronomists and agricultural scientists also involves field work in farms, which can be tedious and difficult for many.
- The salaries are average.