



Haryana Skill  
Development Mission

**CERTIFICATION IN AGRICULTURE  
COURSE OF**

# **ANIMAL HEALTH WORKER**

**(AGR/Q4804)**

## **Industry overview**

The Indian Animal Health Industry has played a vital role in safeguarding the animal husbandry interests of the nation. The regulation of Animal health products in India is under Department of Animal Husbandry under the Ministry of Agriculture(MOA). The Drug Controller General of India (DCGI) regulates and licenses, products for Veterinary use. Department of AYUSH is responsible for bringing regulations for herbal and contemporary medicines meant for animal use. Animal Husbandry in India has undergone magnificent changes over the years, thanks to the adoption of innovative technologies used for prevention and cure of farm and companion animals. There has been a paradigm shift in the business approach of Animal health companies that have evolved from therapeutics to preventive to productivity enhancement and now to overall healthcare of the animals. Through new approaches and paradigm, the animal health industry has evolved and propelled the animal husbandry to new heights of glory. India's surge to the top of milk and egg production reinforces the significance of Animal Health Industry. The Animal health industry is working together and strengthening the Animal Husbandry in the country.

## **About the program**

This program includes controlling and restraining of animals for examination, surgery and administration of drugs. It also covers various aspects of common preventive care starting from data gathering and risk management. It also focuses on Various aspects of first aid emergency conditions including immediate relief and treatment of emergency conditions and accidents. Assisting government agencies in animal disease control and Various activities in the context of planned government initiatives to control animal diseases starting with data gathering and stakeholder engagement related actions is also included in the curriculum.

It also includes knowledge skills and understanding of assisting the organization in veterinary extension service. This program is designed for NSQF level 3.

## **Course Duration**

300 Hrs

## **Who should attend it?**

**Minimum Qualification:** 8th Standard Passed

**Minimum Experience:** One year of Experience in community/village level work is preferable.

## **Career Opportunities**

After training, candidates may find work in animal health care sector as well as allied domains such as – agriculture, dairy technology, food processing etc.



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# CERTIFICATION IN AGRICULTURE COURSE OF BEE KEEPER

(AGR/Q5301)



## Industry overview

India has rich and varied vegetation. There are 45000 species of plants and shrubs, which comprise seven percent of the world's flora. India is basically an agriculture country and copious amount of plant resources available for commercial beekeeping and quality honey production. Keeping in view the vast area of land under field crops and forests in the country, there exist tremendous potential for the expansion of Apiculture in India. The total cropped area in India is about 160 million hectares, and out of this 55 million hectares are under entomophilous crops requiring cross-pollination by bees and other insect pollinators. So the country has potential to keep about 200 million bee colonies that can provide self-employment to over 10 million rural families. In terms of production, these bee colonies can produce 10 million tons of honey and about 10000 ton of bee wax.

## About the program

The program aims to understand bee biology and behaviour of different species of bees, dealing with handling different bee-keeping systems and bee-keeping equipments in various beekeeping operations, overall beehive management which includes site selection, beehive installation, colony management and inspection and record keeping, managing insect, diseases and other nuisances to protect bees and take necessary action whenever required, harvesting, processing and marketing of bee raw products. This program is designed for NSQF Level 4.

## Course Duration

200 Hrs

## Who should attend it?

Minimum educational qualification: No formal education

Maximum educational qualification: Not applicable

Experience (Suggested but not Mandatory): Hands on training, Extension training

## Career Opportunities

After completion of the work in beehives in apiaries that produce honey, wax, pollen and other products. Beekeepers also offer pollination services to horticultural and seed crop producers. They can also work as an entrepreneur.



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**CERTIFICATION IN AGRICULTURE  
COURSE OF**

# **DAIRY FARMER/ ENTREPRENEUR**

**(AGR/Q4101)**

## **Industry overview**

Dairy farming in India is a very much profitable business. It provides an excellent opportunity for self employment of unemployed youth. It is also an important source of income generation to small/marginal farmers and agricultural laborers. India is one of the largest milk producer of the world. The demand of milk & milk product is increasing rapidly. There is immense scope of dairy farming in our country. The increasing cost of feed ingredients and its seasonal variability can be reduced by undertaking fodder cultivation. Commercial and small scale dairy farming in India is no doubt playing an important role in the total milk production and economy of our country. And almost all regions of India are suitable for setting up dairy farming business.

## **About the program**

The Program includes Preparation and Maintenance of Livestock accommodation and establishment of livestock within accommodation. It also deals with provision of supply of feed & water for livestock and helps in maintaining healthy performance of livestock. It helps to understand the performing hand milking using the right technique and things to be considered before & after milking. Fodder Conservation Activities for use in Dairy Farm are further included with Entrepreneurship that is essential for the financial viability of the vocation, also maintaining health & safety of self and others at the workplace. This program is designed for NSQF level 4 .

## **Course Duration**

200 Hrs

## **Who should attend it?**

**Minimum Educational Qualifications:** No entry level barrier; 5th Standard Passed preferable

**Maximum Educational Qualifications:** Not Applicable

**Experience:** One year prior experience in animal care and management, preferable

## **Career Opportunities**

They may work in any dairy farm as a operator and he can also start his/her own business.

**Point of Contact**

[www.hsdm.org.in](http://www.hsdm.org.in)



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# CERTIFICATION IN AGRICULTURE COURSE OF **GREEN HOUSE OPERATOR**

**(AGR/Q1003)**

## Industry overview

Greenhouse Technology is the technique of providing favorable environment condition to the plants. Of all agricultural production activities, the greenhouse industry is worldwide the fastest growing sector. The greenhouse is goldmines that offer the most profitable business opportunities. The use of the greenhouse is mainly for the production of seasonal and non-seasonal crops, for the production of high-quality flower, vegetable and the preparation of nursery prepared by tissue culture. With the increasing number of greenhouses for cultivation of high value vegetables flowers and nursery production, there is an increasing demand of greenhouse operators who can manage protected structures effectively. The training is exceedingly useful for those youth who wish to opt for greenhouse operator as a profession.

## About the program

This program is about operating and maintaining various greenhouse components, managing greenhouse operations such as planting/transplanting, propagating and raising of seedlings for various purposes, maintaining health & safety of self and others at the workplace. This program is designed for NSQF Level 3.

## Course Duration

200 Hrs

## Who should attend it?

Minimum Qualification: 5th Standard, Preferably  
Maximum Qualification: Not Applicable  
Training (Suggested, not mandatory): On the Job.  
Minimum Age: 18 Years

## Career Opportunities

They may work as Green House operator responsible for operations of greenhouse. The individual may get involve for various operations involved in raising seedlings/plantlets under controlled environment in the greenhouse.



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# CERTIFICATION IN AGRICULTURE COURSE OF **ORGANIC GROWER**

(AGR/Q1201)



## Industry overview

India is an agricultural country. Agriculture, with its allied sectors, is the largest livelihood provider in India. Organic Farming is developing rapidly in present day Horticulture/Agriculture/Medicinal Plants. It occupies a prominent place in Horticulture/Agriculture/Medicinal Plants Industry to meet the nutritional requirement of soil and safe food requirement of a large population in general. It has been experienced that there has been indiscriminate use of chemical fertilizers and pesticides during the post independence era with the objective to increase productivity per unit area. No doubt the results were very encouraging in the beginning but it had long lasting and detrimental effect on soil, water and air causing health hazards to the human population. Apprehending the bad effects of chemical use, GOI has declared organic farming as National Programme to promote organic agriculture in India by providing various incentives to give momentum to this noble movement. Our soils have stopped responding to the use of chemicals in the absence of requisite humus which can be only provided by way of adopting organic farming. This is the only way to revive lost fertility of the soil. Climatic changes are influencing the environment to the extent that organic farming appears to be the only alternative to combat these situations.

## About the program

This program is about understanding basic principles & practices involved in Organic farming and plan accordingly. It is about dealing with Crops, Seed, planting material Selection and seed and planting material Treatment for Organic Farming. It also covers dealing with nutrient management under organic farming ensuring soil fertility. It includes dealing with nutrient management under organic farming ensuring soil fertility. Also it includes dealing with various irrigation methods under organic farming. This is about dealing with pest and disease management under Organic Farming. It covers dealing with harvest and post-harvest management of produce under Organic Farming. It also covers quality assurance and certification in Organic Farming. Also dealing with different business aspects of Organic Farming and dealing with health and safety of the farmers and co workers at workplace. This program is designed for NSQF Level 4.

## Course Duration

200 Hrs

## Who should attend it?

Minimum Qualification:  
5th Standard Preferable  
Maximum Qualification: Not Applicable  
Minimum Age: 17 Years

## Career Opportunities

After completion of this course candidate can implement the best procedures in cultivation of organic crops as per the organic package of practices recommended for a particular agro-climate zone. Globally the organic industry is booming, and plenty of jobs are available. Also, pay scales differ quite a lot across the industry. Organic