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# Center for Smart Agriculture

## Organic Farming



**Module 7: Animal Husbandry**

**Session 1: Animal husbandry under conversion**



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# Animal Husbandry

- “Animal husbandry is the branch of agriculture where animals are reared, bred and raised for meat, fiber, eggs, milk and other food products.”





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The Integrating animals into a farm help creating a closed or semi-closed system where energy and nutrients are recycled. Animals can convert non-edible biomass (e.g. grass, straw, kitchen waste) into food, while increasing soil fertility with their manure.





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### ANIMAL HUSBANDRY:

- 1.cattle farming
- 2.poultry farming
- 3.egg and broiler production
- 4.fish production
- 5.marine production
- 6.inland fisheries
- 7.bee-keeping





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# Dairy farming

- Dairy farming is the agricultural technique concerned with the long term production of milk, which is then processed to obtain dairy products such as curd, cheese, yoghurt, butter, cream, etc.
- It involves the management of dairy animals such as cows, buffaloes, sheep, goat, etc.



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# Poultry Farming

- Poultry farming is concerned with raising and breeding of birds for commercial purposes. Birds like ducks, chickens, geese, pigeons, turkeys, etc. are domesticated for eggs and meat.
- It is very important to take care of the animals and maintain them in a disease-free environment to obtain healthy food from them. The eggs and meat are a rich source of protein.



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# Fish Farming

- Fish farming is the process of raising fish in closed tanks or ponds for commercial purposes. There is an increasing demand for fish and fish protein. Fish species such as salmon, catfish, cod, and tilapia are raised in fish farms.





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# Bee Farming

- Bee farming / apiculture is the practice of maintaining bee colonies by humans in man-made hives.
- Honey bees are reared on a large scale. The bees are domesticated for honey, wax, and to pollinate flowers. The place where bees are kept is known as an apiary or a bee yard.







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Produce meat, hides, feathers, horns etc. → Serve as an investment or a bank. → Help in pest control (e.g. dugs) and weed management (e.g. grazing on barren fields). → Have cultural or religious significance (prestige, ceremonies etc.). → Produce young stock for breeding or sale.





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## **Indian Animal Husbandry Market**

**Indian Animal  
Husbandry Market is  
projected to reach INR  
7,376 Billion by 2023,  
exhibiting a CAGR of  
around 13% during  
2018-2023**

**[www.bharatbook.com](http://www.bharatbook.com)**





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# Role of Animal Husbandry in Human Welfare

- Dairy Products
- Meat
- Land Management
- Fibre
- Manure
- Labour



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# Advantages of Animal Husbandry

- Animal husbandry helps in the proper management of animals by providing proper food, shelter and protection against diseases to domestic animals.
- It provides employment to a large number of farmer and thereby increases their living standards.
- It helps in developing high yielding breeds of animals by cross breeding. This increases the production of various food products such as milk, eggs, meat, etc.
- It involves the proper disposal of animal waste and promotes a healthy environment.



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- The time between the start of organic management and certification of crops and/or animal husbandry is known as the conversion period.
- For organic livestock-  
The **conversion** period shall be for three (3) years. .



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# FEED CONVERSION RATIO

- In animal husbandry, feed conversion ratio or feed conversion rate is a ratio or rate measuring of the efficiency with which the bodies of livestock convert animal feed into the desired output.



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**THANK YOU**

