



## Lesson 11: Integrated Livestock Systems: Introduction to Bee-keeping Lesson Plan

Estimated lesson time: 60 minutes

Learning objectives:

- Understand the ways in which plants, animals and insects interact
- Be able to describe what a honey bee is and characteristics of it and all insects
- Describe the jobs of honey bees and their role in pollination of plants and the health of agro-ecosystems
- Understand the basic structure of a bee hive
- Recognize that changes in the environment affect other species, and that other species shape and influence our environments

Key glossary words:

- Apiary
- Beneficial insects
- Colony
- Drone
- Hive
- Honey
- Insect
- Nectar
- Pollen
- Pollinate
- Queen

Lesson components:

- I. Background (for instructors) – 5-10 minutes
- II. Icebreaker activities – 10 minutes
- III. Introduction to Bees (lecture) – 20 minutes
- IV. Activity (bee and flower identification) – 20 minutes
- V. Debriefing – 10 minutes