



IMG Source: morningchores.com (Harvesting Honey)

## Honeybee Impact

According to the USDA, the United States produces "around 163 billion pounds of honey each year." Honeybees, along with other pollinators, produce this honey by pollinating roughly "\$200 billion to \$500 billion of food crops". Because of the enormous impact pollinators have on our food supply, it is highly necessary to maintain the population of honeybees and other pollinators. By utilizing the proper tools, methods, and understanding to protect their lifestyles, we can ensure that our resource production remains successful.



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Cooperative Extension Program

Agriculture and Natural  
Resources

Prairie View A&M University's Cooperative Extension Program (CEP) Agriculture and Natural Resources (AgNR) unit seeks to empower farmers and ranchers to achieve their goals through education and technical assistance. AgNR aims to ensure a sustainable, profitable, and competitive food and fiber system in the State of Texas by addressing the knowledge gap facing many Texans in areas of crop production and utilization, livestock production, and economics and management for sustainable agriculture.

To learn more about how you can implement an Agriculture and Natural Resources program in your area, contact your local AgNR professional.

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IMG Source" Nationalgeographic.com.au (Honey Bee)

# Honey Production

- Learn how honeybees forage
- Understand the pollination process
- See how the bees process honey materials
- Recognize the importance of natural honey
- Understand how the hive uses honey



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## Program Considerations

### Pollination Plants

Honeybees pollinate a wide array of plants. They will typically use whatever is close to the hive, although they venture farther to store honey for Autumn. Because there are different bee-friendly plants--including crops--the nectar, and, therefore, the honey may possess unique qualities and flavors and have specialized uses in the hive. The program will discuss how bees find their nectar and how it is processed.

### Honey Qualities

Honeybees and humans alike consume honey for beneficial purposes. Both also enjoy sweet treats. As such, it is essential to understand the benefits of natural honey to humans and bees. Honey is involved in much of the life cycle of honeybees. Because they must always have sweet food, during the fall and winter, honeybees are fed supplements, including heavily sugared water, to help them meet their necessary allowance of sweets. We will discuss the uses of bees and honey and its influence on both humans and insects.

*Honey is a valuable resource produced by honeybees, who make use of all pollination materials they gather. This program will emphasize the cycle of honey creation and how the pollination materials influence the success of a hive.*

### Honey Production Goals:

- See how honey is made
- Recognize essential plants used by bees for honey production
- Understand how honey is harvested
- See how honey influences the bee lifestyle
- Learn the life cycle of honeybees and how honey is involved
- Incorporate honey into diets

### Program Details

**Target Audience:** This program will help people of all ages forge a connection with bees by learning the importance of honey to bees and ourselves.

**Program Format:** The presenter will provide videos of the honey-making and harvesting processes. Natural honey and live pollination flowers will be available for attendees to sample.

**Program Objectives:** Attendees will take a visual look at the process of honey creation and harvesting, learn how the bee society operates around pollination and honey, and understand the involvement of humans in the cycle.



IMG Source: boingboing.net (Honeybees in Hive)