

In 2022, Indiana produced around 567,000 pounds of honey, which would have required over 620 million worker bees. It can take over 500 worker bees to make one pound of honey.

Honey bees are social insects and depend on one another to survive. Bees live in colonies, where the queen bee is the leader. Worker bees only live around 30 days, but they have many important jobs during their life.

One of those jobs is to collect pollen and nectar from flowers. Honey bees have two stomachs – one is for eating, and the other is for storing nectar and turning it into honey. Nectar is a sweet liquid found inside flower blossoms. The nectar is then transformed into honey. Honey is the only food which doesn't spoil. Honey also is the only product that is produced by an insect that humans consume.



You don't have to be a beekeeper to help the bees. All you need is your own pollinator garden. Pollinator gardens ensure that the bees have something to pollinate and eat nectar from. In this activity make your own mini pollinator garden. You can choose any variety of seeds to plant. Watch them grow and see the bees visiting your garden.

MATERIALS:

- Flower pot
- Potting soil
- Flower seeds

FLOWER TYPES:

- Clover
- Sunflower
- Poppy
- Lavender
- Bee Balm
- Cone flower



CROSSWORD PUZZLE



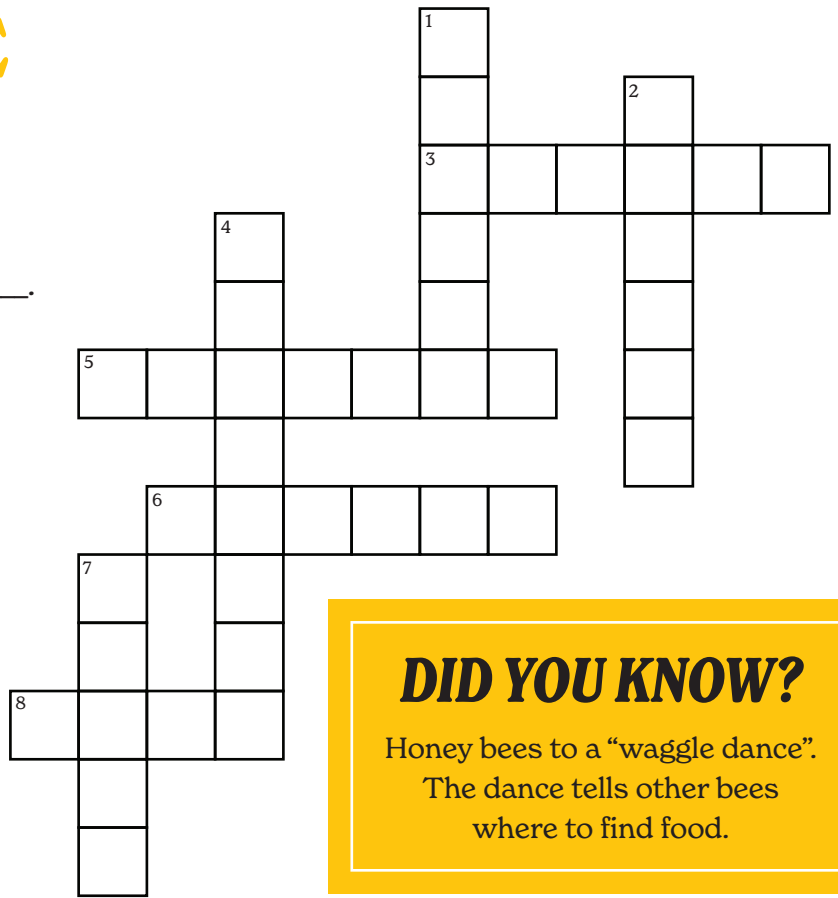
Use the information throughout the activity sheet to fill in the crossword.

DOWN:

1. One of the jobs is to collect pollen and _____.
2. What type of bee is responsible for making honey?
4. Honey bees have two _____.
7. The leader of the bees is called the _____.

ACROSS:

3. Bees live in a _____.
5. Bees collect food from _____.
6. The dance bees do to tell others where to find food is called the _____ dance.
8. What kind of insect makes food humans eat?



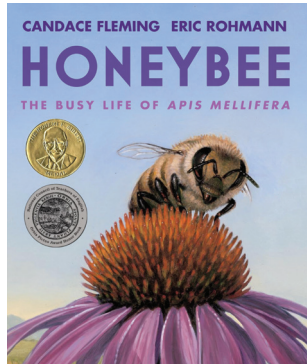
DID YOU KNOW?

Honey bees do a "waggle dance".
The dance tells other bees
where to find food.

WANT TO LEARN MORE?

Read *Honeybee* to learn about
the day-to-day life of a bee.

Listen to the book on
YouTube:
bit.ly/IAShoneybeebook



ACT IT OUT!

Scan the QR code to begin the
pollinator simulation.



Or visit: bit.ly/IASpollination



HONEY PEANUT BUTTER CHEERIO BARS

Ask an adult for help.

INGREDIENTS:

- ½ cup honey
- ¾ cup peanut butter
- 3 cups Cheerios

MATERIALS:

- 8" x 8" pan
- Aluminum foil
- 3 cups Cheerios

DIRECTIONS:

1. Line 8"x8" pan with aluminum foil and set aside.
2. Cook honey and peanut butter over medium heat, and stir until completely melted and blended.
3. Remove from heat and stir in cereal.
4. Mix until evenly coated.
5. Place mixture in pre-lined pan and press in place.
6. Refrigerate for one hour and cut into bars.

Indiana Activity Sheets are provided by Indiana
Farm Bureau Agriculture in the Classroom.

For more information, please contact
inaite@infb.org or visit www.infb.org/aitc.



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Agriculture in the Classroom