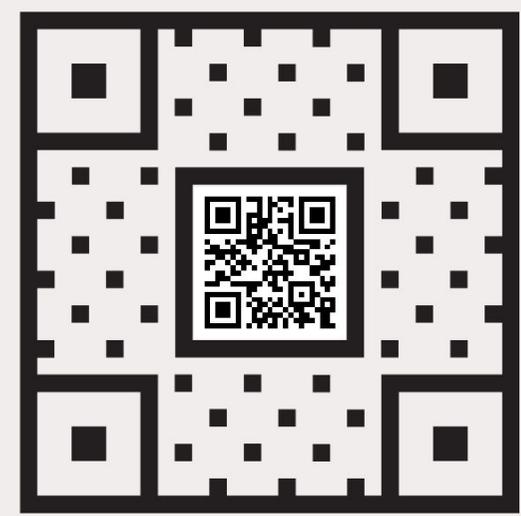




HEXED HONEY FARM, LLC.  
ESTD 2018



TO VIEW OUR WEBSITE  
SCAN ME!



@HEXEDHONEYFARM.

WWW.BMOREHEXED.COM



• WHEN YOU SAVE THE BEES •  
• YOU SAVE THE EARTH •





# Successful pollination

produces healthy fruit and fertile  
seeds, allowing plants to  
reproduce.

Without pollinator visits to plants in our  
gardens, we would have no produce!





# BEE INFORMED

Honeybees play an integral role in maintaining our food supply. Due to colony collapse disorder — the sudden die off in honeybee colonies — beekeepers are working hard to protect the species and educate their communities on the value of bees. Check out these sweet statistics from the American Beekeeping Federation.



**2.4 MILLION**

colonies are estimated in the U.S. today, two-thirds of which travel the country each year pollinating crops and producing honey and beeswax



**1** OUT OF **3** EVERY

bites of food Americans eat is directly or indirectly derived from honeybee pollination



Honeybees contribute over **\$14 BILLION** to the value of U.S. crop production

**60 POUNDS** of honey produce **1 POUND** of beeswax



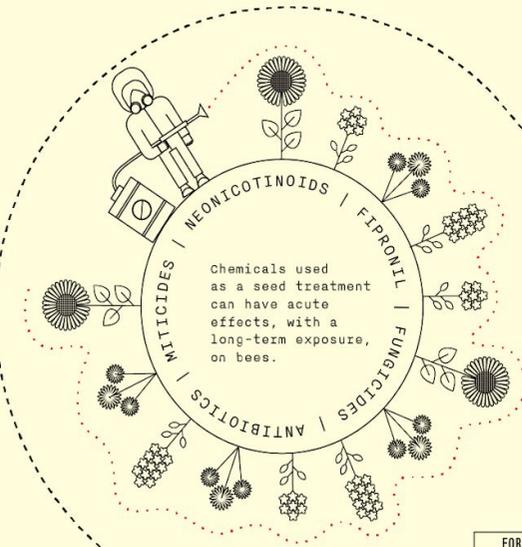
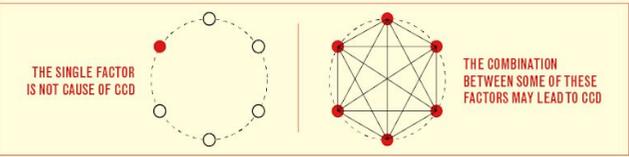
A good, prolific queen can lay up to **3,000** eggs per day



Some crops, including blueberries and cherries, are **90%** dependent on honey bee pollination

When you save the earth....



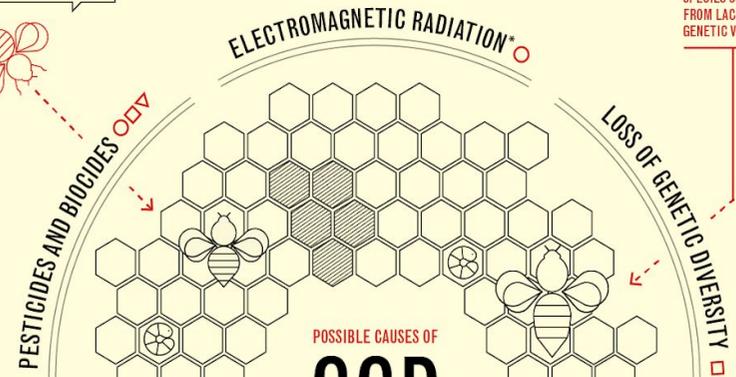
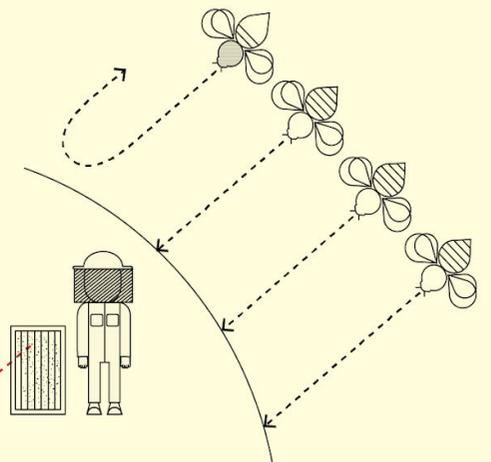


BEES BRING PESTICIDE-LADEN POLLEN AND NECTAR BACK TO THE HIVE

RETURN TO THE HIVE

\*More studies need to be taken to prove the hypothesis that electromagnetic fields are involved with disorders in bee hives.

ARTIFICIALLY BRED SPECIES SUFFERS FROM LACK OF GENETIC VARIATION



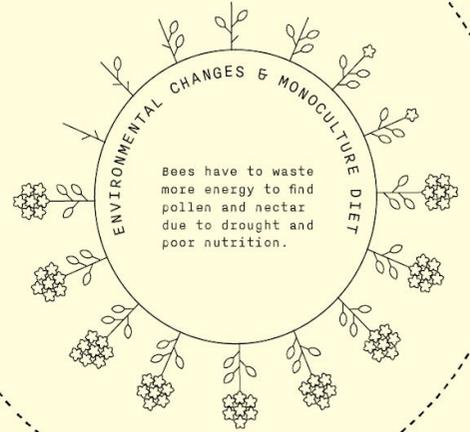
FORAGING

FORAGING

INFECTED BEES SPREAD DISEASES THROUGHOUT THE ENTIRE HIVE

- VARROA MITES
- FUNGUS NOSEMA
- VIRUS [IAPV]
- PARASITIC PHORID FLY

THIS NUTRITIONAL STRESS AFFECTS THE HEALTH OF THE ENTIRE COLONY



RETURN TO THE HIVE

\*Bee rental and migratory beekeeping are considered as stressful factors for the colonies, but these practises are widely diffused only in America.



# Monoculture vs. Polyculture

## Monoculture

### Advantages:

- Reduced plant competition
- Control of undesirable organisms
- Reduction of costs
- Maximize profit from the growing of high gross margin crops



### Disadvantages:

- leads to suppression of natural fires
- Decreased pH of forest soils
- Loss of soil nutrients
- Increased soil erosion

## Polyculture

### Advantages:

- Increased biodiversity
- Stable income for famers

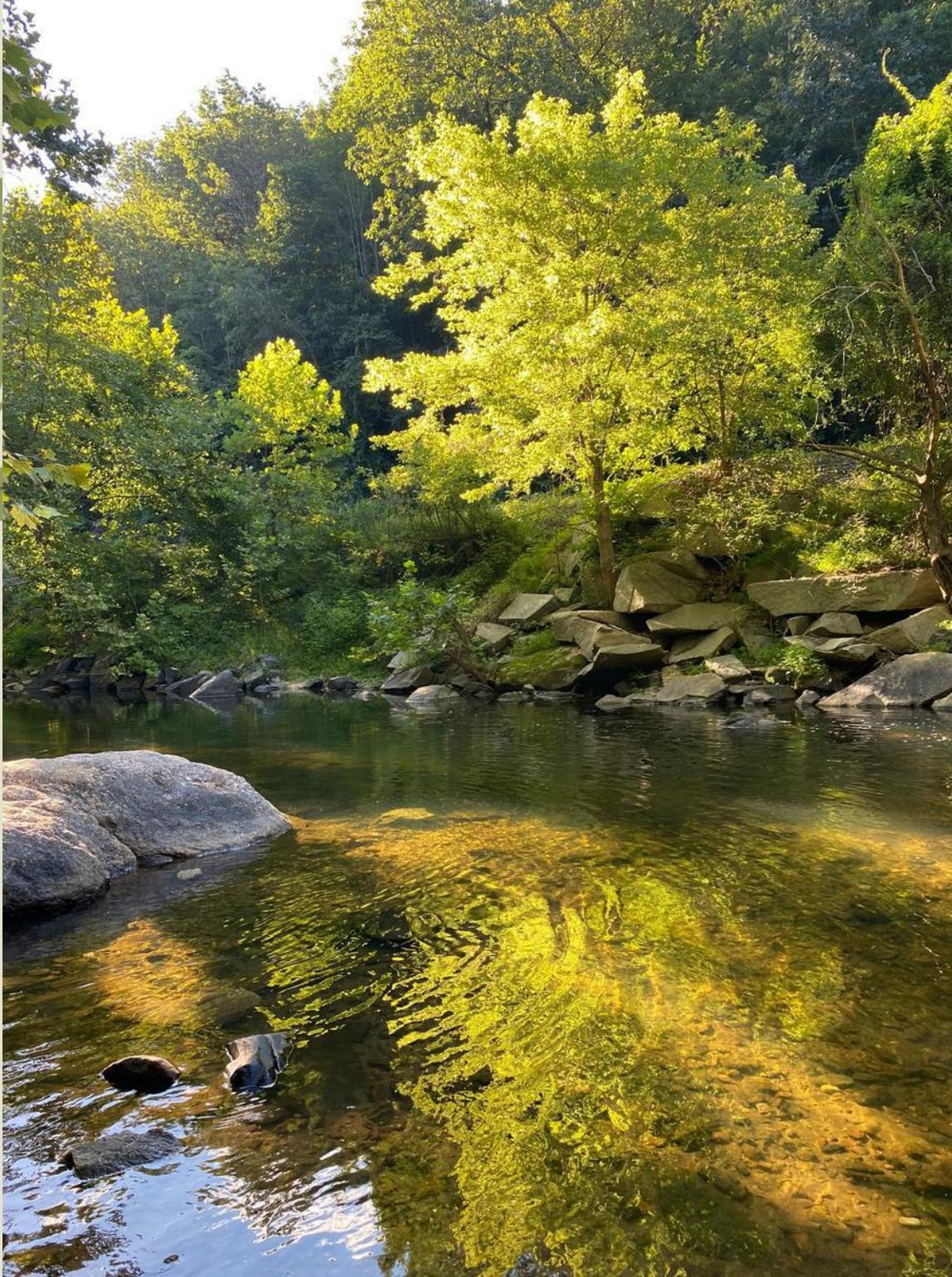


### Disadvantages:

- More difficult to monitor and control farm activities
- Farmers have to be knowledgeable in more diverse agriculture fields
- Initial costs can be higher

Honey Bee Health and Industrial Agriculture:  
What Researchers are Missing, and Why it's a Problem



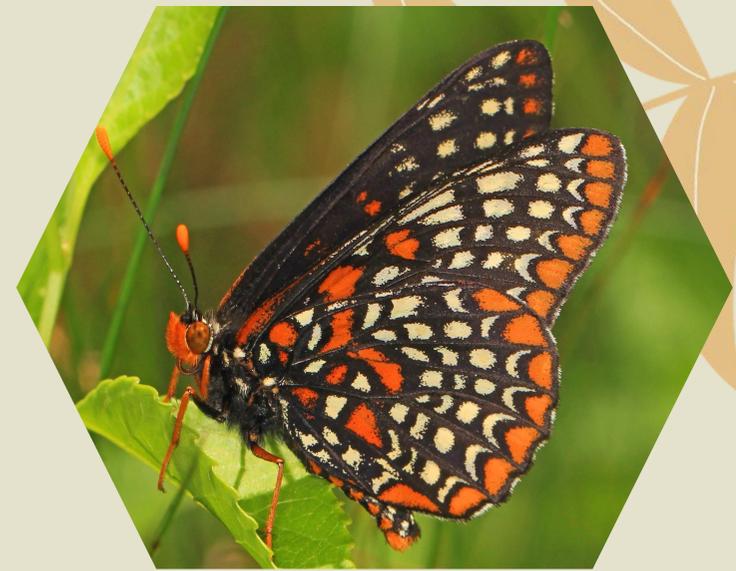


**If you build it,  
they will come...**



@hexedhoneyfarm

# Maryland Pollinators



- In Maryland, the most important group of pollinators are bees.
- Bees also serve as an important food resource for some species of wildlife.
- Over 400 species of bees and 150 butterfly species can be found in the State
- Other Maryland pollinators include ants, beetles, flies, moths, wasps, and the ruby-throated hummingbird.

# What can you do to help pollinators and reduce your impact on the environment?



Create Pollinator Habitats



Reduce Pesticide Use and clear out invasive species



Plan for different bloom times.



Get Involved



create water sources for pollinators in the summer



Enjoy Nature!



Wait to clear out gardens until after first 55\* day in spring.



Minimize Your Environmental Impact, buy local!



**“Communities with honey bees and a lot of other native bees present are going to have much less contact between honey bee to honey bee, which will reduce the amount of transmission that’s happening in that community.”**

“Complex habitat factors affect health of bees, but lots of wildflowers help.” By [Lester Graham](#)





**“Planting diverse native flowers provides bees with the pollen and nectar they need while foraging and attracts a wider diversity of bee species”**

**“These gardens work especially well if you also provide important bee nesting materials, like good soil for ground nesting bees and hollow bamboo stems for mason bees.”**



# Gardening and Pesticides

The Pollinator Protection Act of 2016 limits the use and sale of neonicotinoid pesticides within the state of Maryland. Neonicotinoid pesticides are defined as pesticides with active ingredients including Imidacloprid, Nithiazine, Acetamiprid, Clothianidin, Dinotefuran, Thiacloprid, and Thiamethoxam. This law went into effect on January 1, 2018.

**\*This law only restricts consumer use of neonicotinoid pesticides.**



# 5 ways Hexed Honey Farm strives to reduce environmental impact in the Patapsco region



1. Balanced beekeeping
2. Self sustainable
3. Prevent and treat for pests and diseases.
4. Local Farmers Markets
5. Redistribute native seeds

## Balanced Beekeeping

The emphasis is on  
bee welfare.  
Restrained taking of  
honey and other bee  
products only when  
plentiful and  
appropriate.





## Self Sustainable:

- Raise our own queens
- Do not introduce bees from different bioregions.

**Disease prevention  
and treatment:**

- 1. Routine varroa mite checks.**
- 2. Limit the use of chemical treatments.**
- 3. Use the bees natural tendencies to prevent pests.**



# Local Farmers Markets

1. Educate
2. Sell small batch products
  - raw honey
  - soap
  - beeswax
  - candles
  - beeswax wraps
  - butcher block conditioner etc.



## Redistribute Native Seeds

Hiking patapsco collecting seeds and dispersing them



# Milkweed



# Iron Weed



# Joepywe Weed



# Golden Rod



**OTHER NATIVE  
WILDFLOWERS**



**Blue Mist Flower**



**Narrow Leaf  
Mountain Mint**



**GoldenBerry**



**Short Toothed  
Mountain Mint**



**Cardinal Flower**



**Spotted Bee Balm**



**Thistle**