

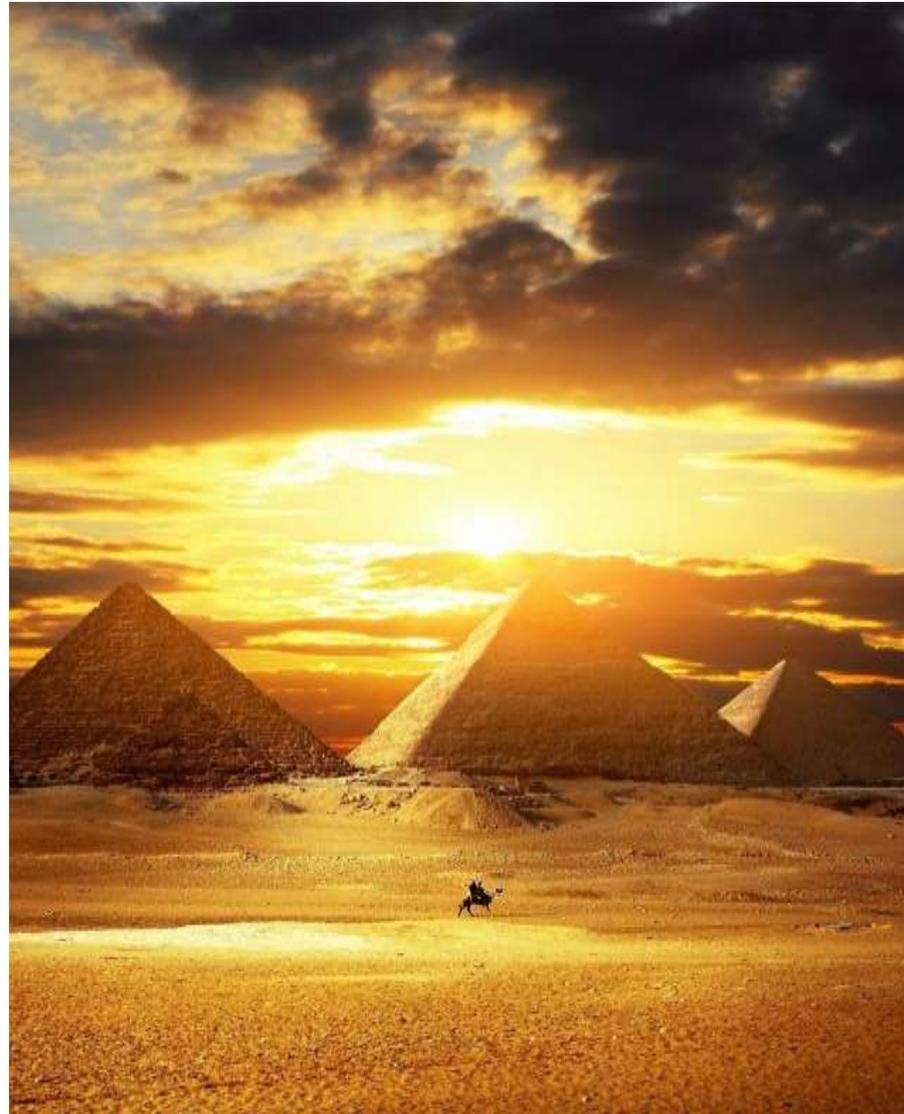
SEQUIM
BEE FARM

Buddy and Meg Depew Journeyman Beekeepers





Historical Beekeeping



Historical Beekeeping







Ancient Stone Hive



Medieval Monastery Hives



Woven Reed Skep



Modern Day Beekeeping



Urban and Rural



Plain Hives



Colorful Hives

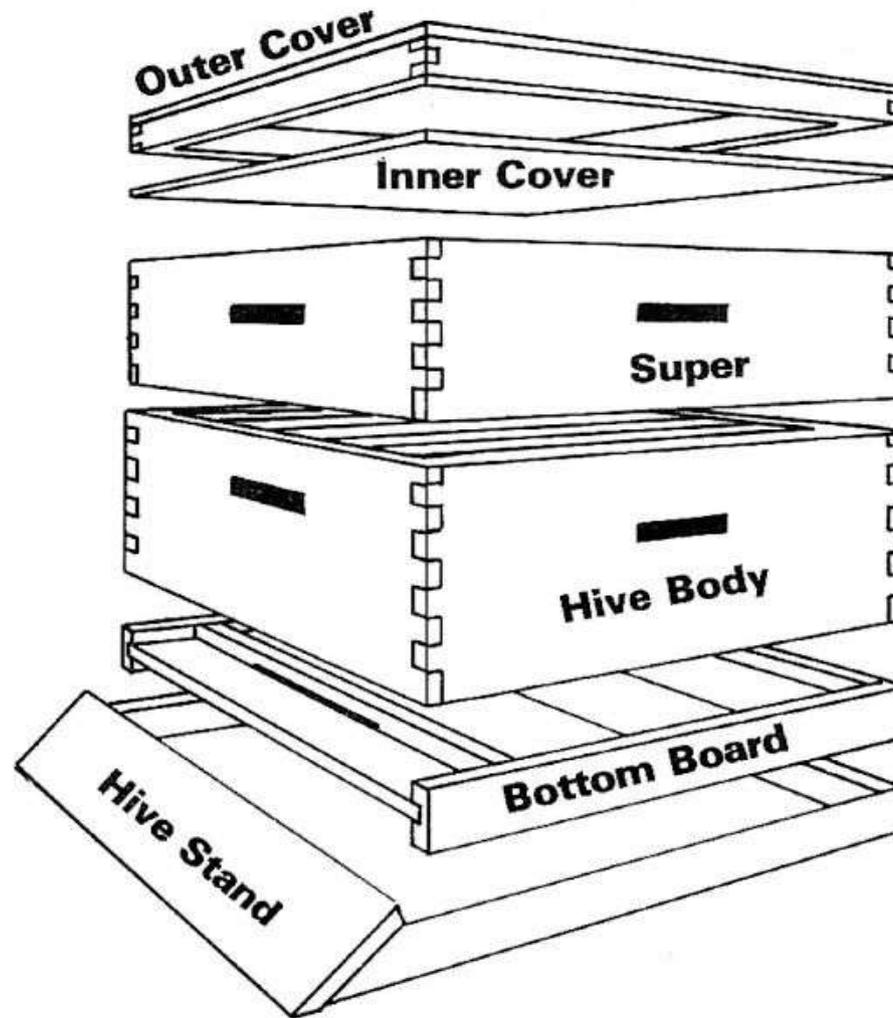


Markus Holmes, F-1Design, 2009©

Bee Mansions



Modern Day Beekeeping



Modern Day Beekeeping



Workers, Queens and Drones



Stages of Larvae



Worker Bee Duties



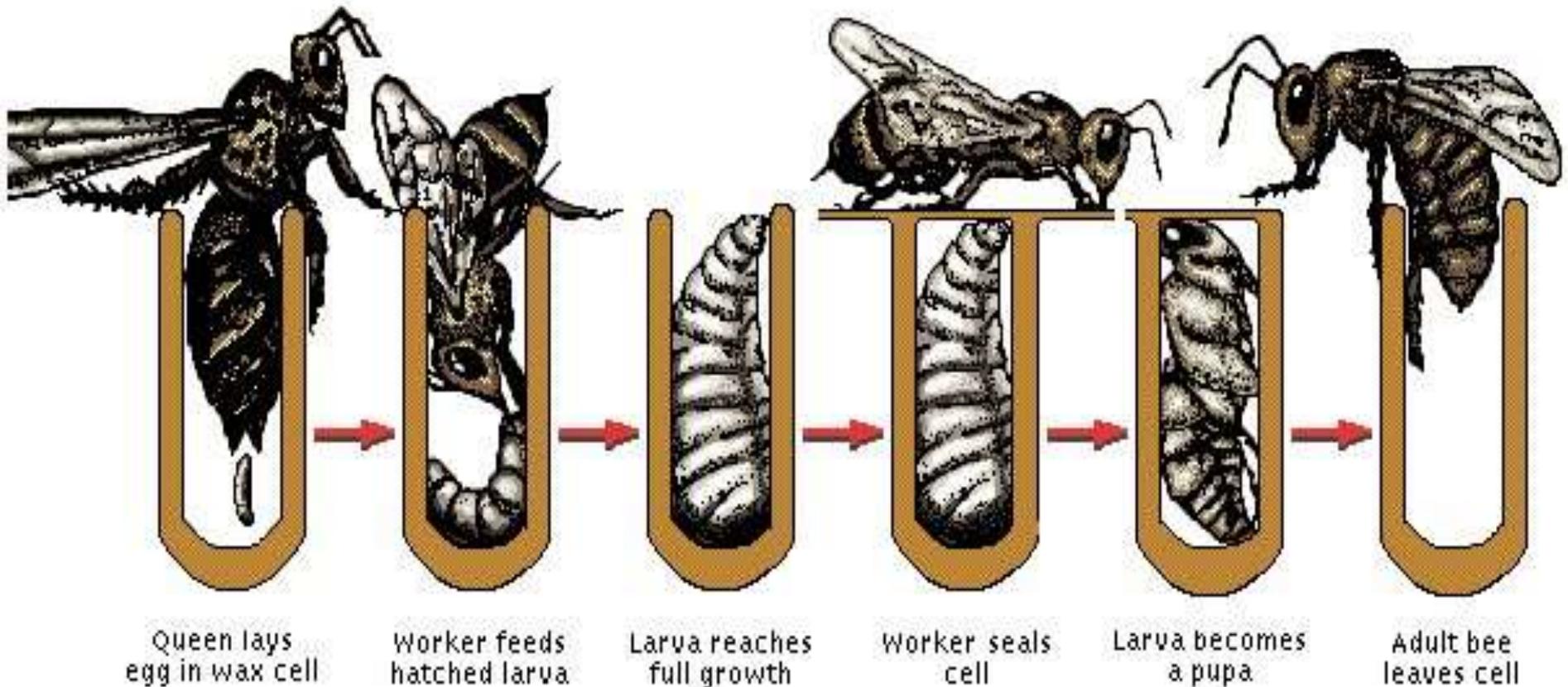
1 Honey Bees are assigned jobs based on their age:

For instance, for the worker bee:

-  1-2 days old: spend their time cleaning cells, starting with the one they were born in, and keeping the brood warm
-  3-5 days old: they feed older larvae
-  6-11 days old: they feed the youngest larvae
-  12-17 days old: they produce wax, build combs, carry food, and perform undertaker duties
-  18-21 days old: they perform guard duty, protecting the hive entrance
-  22 days on until their death at around 40-45 days: they fly from the hive collecting pollen, nectar, water, pollinating plants, etc.



You have One Job!



Boys of Easy Street

Drone

- ❖ Around 300 drones in a hive
- ❖ Only job = mate with queen
- ❖ Big eyes
- ❖ No stinger
- ❖ September drones are kicked out of hive
- ❖ Life expectancy = 90 days









Inside the Hive Body















Some of our Hives at Purple Haze Lavender Farm

















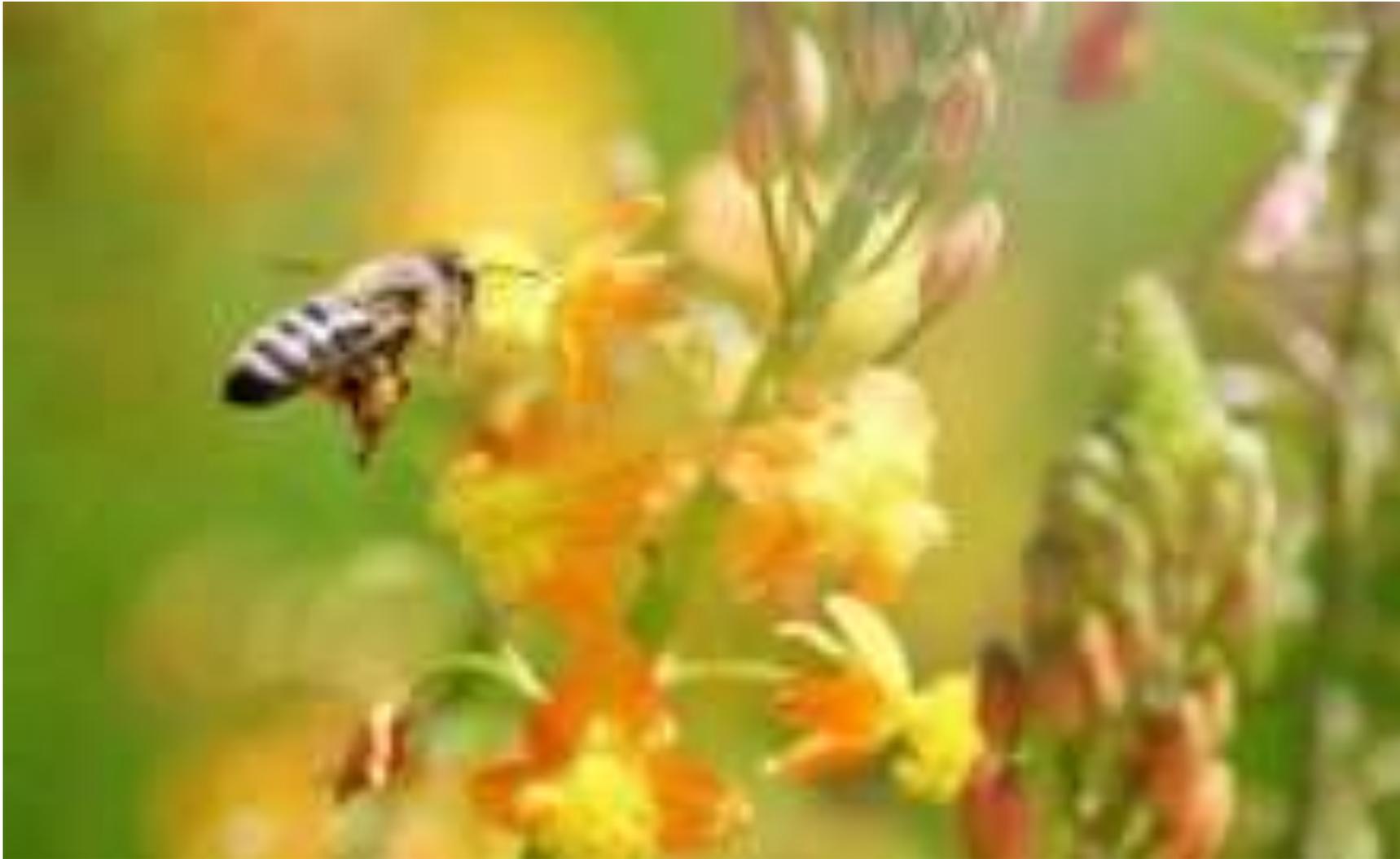












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Honey Collection



Decapping



Extraction of Honey



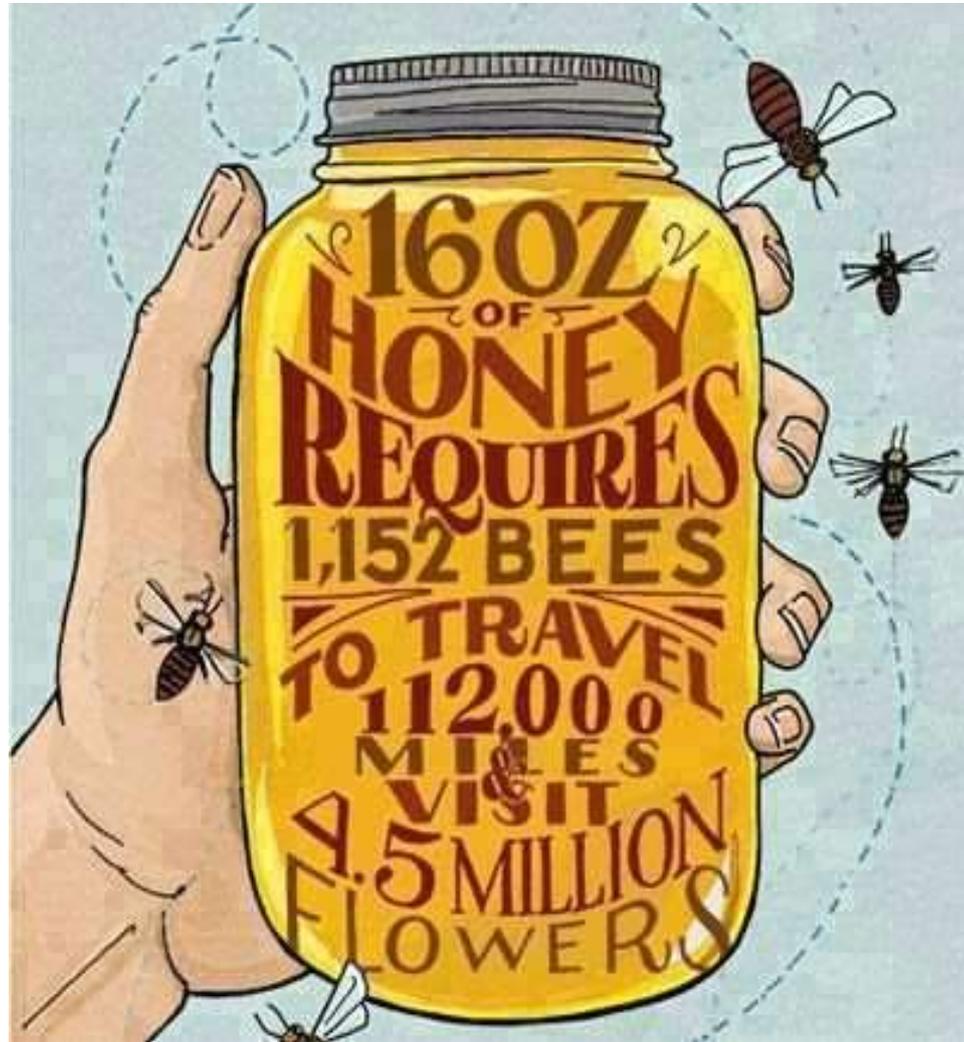
Frames in the Extractor



Spinning and Straining









Only CNG Apiary on NOP

Certified Naturally Grown means

- ✓ Real food
- ✓ No GMOs
- ✓ No synthetic chemicals
- ✓ Not a corporate conglomerate
- ✓ A local farm rooted in the community



Help us Grow!
cngproud.org/indiegogo

grassroots certification
that builds farms and communities

Stressors on Honeybees



Colony Collapse Disorder and the Honeybee Crisis

Study strengthens link between neonicotinoids and collapse of honey bee colonies

Colony Collapse Disorder and the Honeybee Crisis

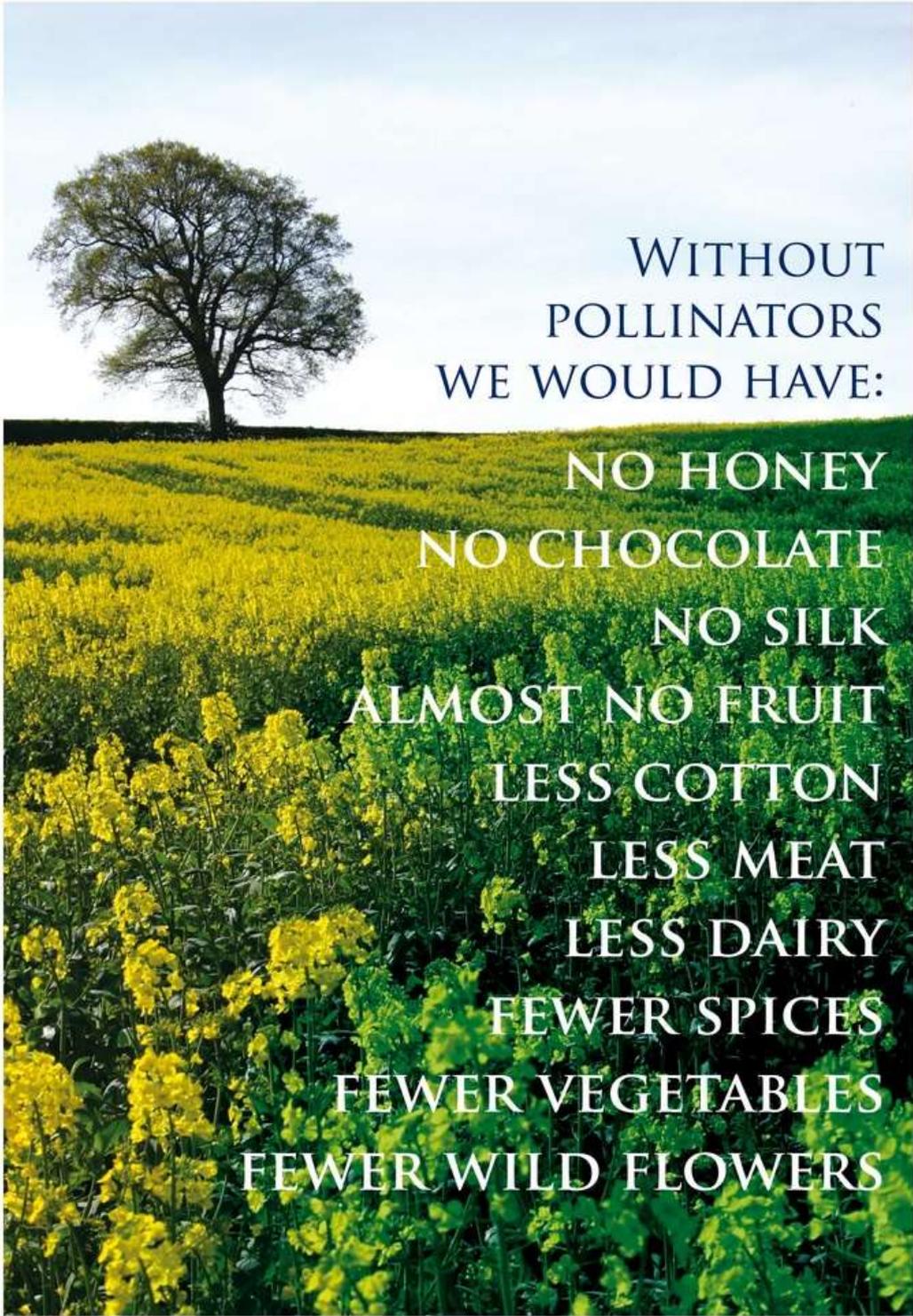
Last December, the European Commission
Study strengthens link between neonicotinoids and collapse of honey bee colonies
**banned the use of neonicotinoids, often called
neonics, for two years.**

Colony Collapse Disorder and the Honeybee Crisis

Study strengthens link between neonicotinoids and collapse of honey bee colonies

Last December, the European Commission banned

Nearly one quarter of the US honeybee population died over the winter, according to an annual



WITHOUT
POLLINATORS
WE WOULD HAVE:

NO HONEY

NO CHOCOLATE

NO SILK

ALMOST NO FRUIT

LESS COTTON

LESS MEAT

LESS DAIRY

FEWER SPICES

FEWER VEGETABLES

FEWER WILD FLOWERS

**“85% OF THE WORLD’S PLANTS
DEPEND ON POLLINATION. THIS IS
BIGGER THAN AGRICULTURE. THIS
IS EVERYTHING THAT’S GROWING. 85%
OF THE WORLD’S PLANTS AND TREES.”**

ALISON GILLESPIE, AUTHOR OF HIVES IN THE CITY

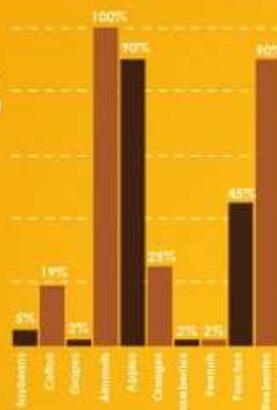


**SAVE OUR POLLINATORS.
SAVE THE BEES.
BAN NEONICOTINOID PESTICIDES.**

HONEY, PLEASE DON'T GO

The Honey Bee Crisis

Honey bees are facing a serious crisis worldwide. Over the past few years they have started to disappear at an alarming rate. In the US alone colonies have gone down from about 7 million to a little more than 2 million.



Percentage of Crops Pollinated by Honey Bees in the US

Why You Should Care

Honey bees account for one third of the world's food supply so we all face serious danger if they continue to disappear. "Bees contribute to global food security, and their extinction would represent a terrible biological disaster" Bernard Vallat (Director General of the World Organisation for Animal Health).

Here are just a few foods that bees help to produce:

- Apples, oranges, lemons and limes
- Broccoli
- Onions
- Blueberries, cherries and cranberries
- Avocades
- Almonds



Reasons For Disappearance

One of the causes for honey bees disappearing is Colony Collapse Disorder (CCD). Researches have yet to figure out what is the main cause of CCD, but there are a range of possible causes for it such as: pesticides, herbicides, parasites and several other factors.



How You Can Help

One simple way to help out would be by planting a bee friendly garden, by doing so you'll be helping bees to continue pollinating. Reducing the use of herbicides and pesticides is also recommended, but if you need to use such pest control applications then try to use bee friendly applications.

www.beekeeping.org
www.honeybees.org



simple steps for helping bees & butterflies



plant lots of different flowers

Cultivate a landscape with diverse flower colors, shapes and bloom times.

protect nests and egg-laying sites

Native bees use untidy areas of the garden to nest such as open sandy ground, brush piles and old tree stumps. Consider leaving some of these for wildlife habitat.

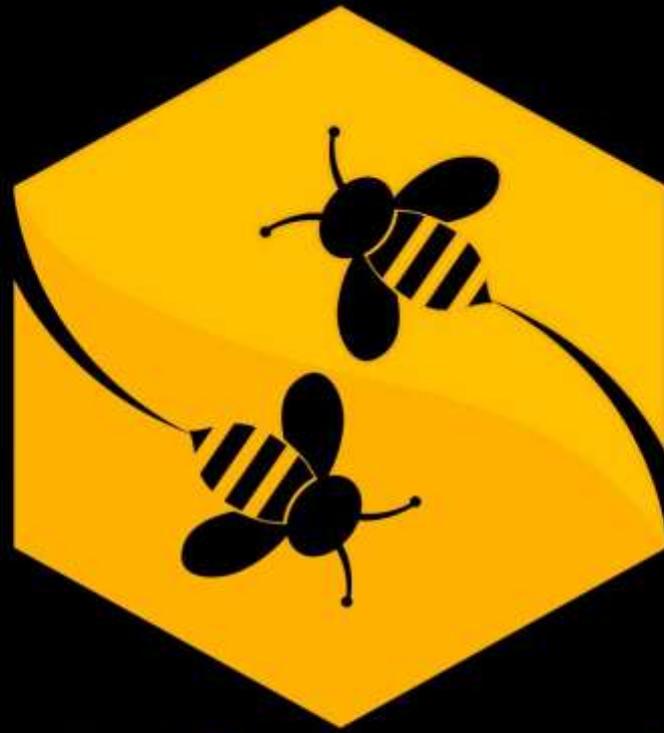


don't use pesticides!

Even "organic-approved" insecticides can harm pollinators and other wildlife.

**WHOLE
FOODS.**
MARKET





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BEE FARM