

**CANARIES IN A COAL MINE:
WHY POLLINATORS ARE
SENSITIVE TO GLOBAL CHANGE
AND HOW YOU CAN HELP THEM**

**DR. HOLLIS WOODARD
ASSISTANT PROFESSOR
DEPARTMENT OF ENTOMOLOGY
UC RIVERSIDE**

UCR CNAS 2016 SCIENCE LECTURE SERIES









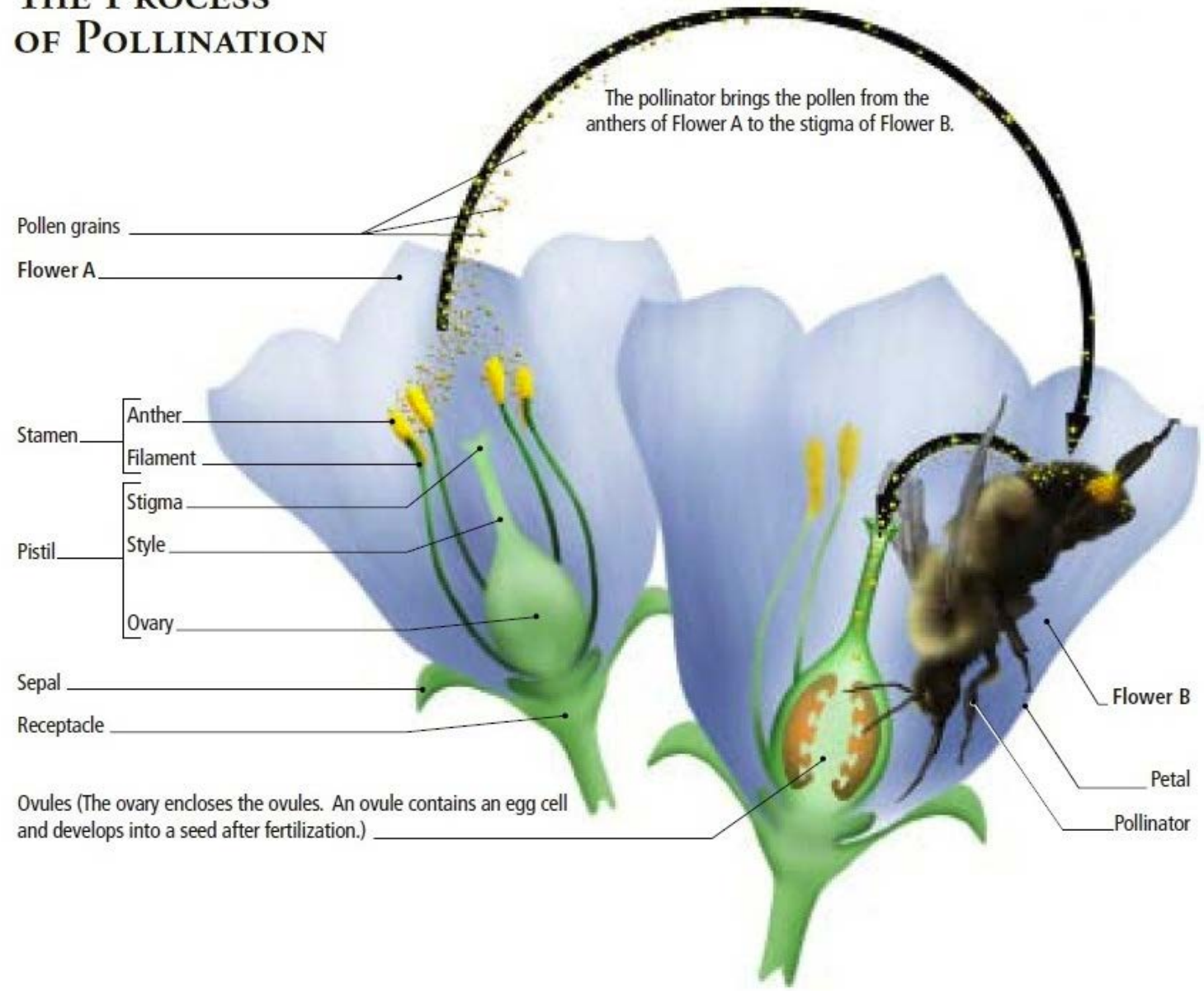




IMAGE: SAM DROEGE

WHAT IS POLLINATION?

THE PROCESS OF POLLINATION







OP



ASP



T

The influence of different pollination treatments on the development of the strawberry.

OP=open pollination, ASP=autonomous self pollination, T =wind and self pollination



WHO ARE POLLINATORS?



IMAGE: SAM DROEGE



IMAGE: SAM DROEGE











IMAGE: SAM DROEGE











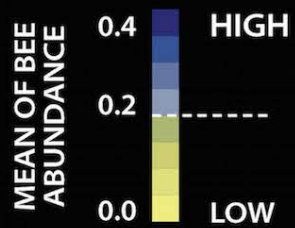






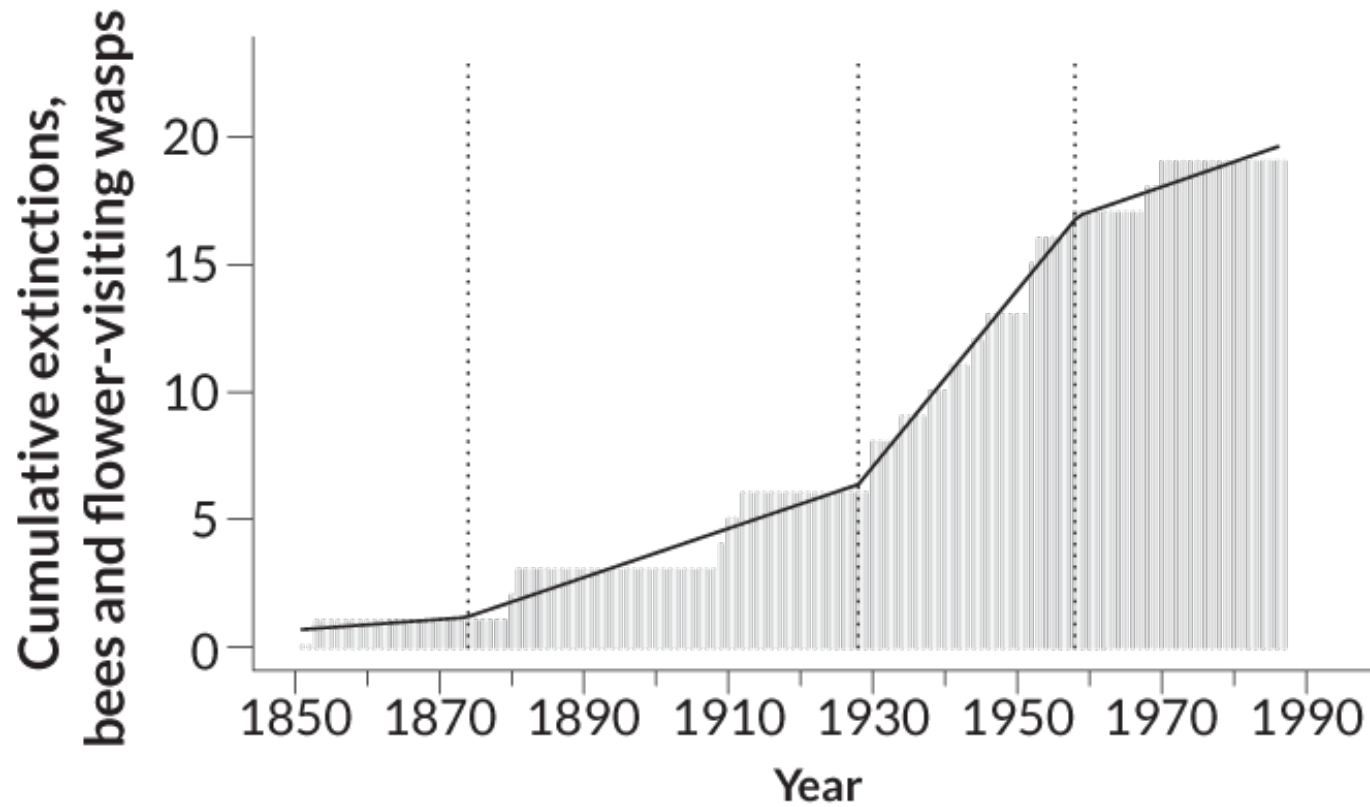
**WHY ARE POLLINATORS
SENSITIVE TO GLOBAL
CHANGE?**

WILD BEE ABUNDANCE ACROSS THE U.S.



THE UNIVERSITY OF VERMONT

Cumulative pollinator loss in Britain since 1850

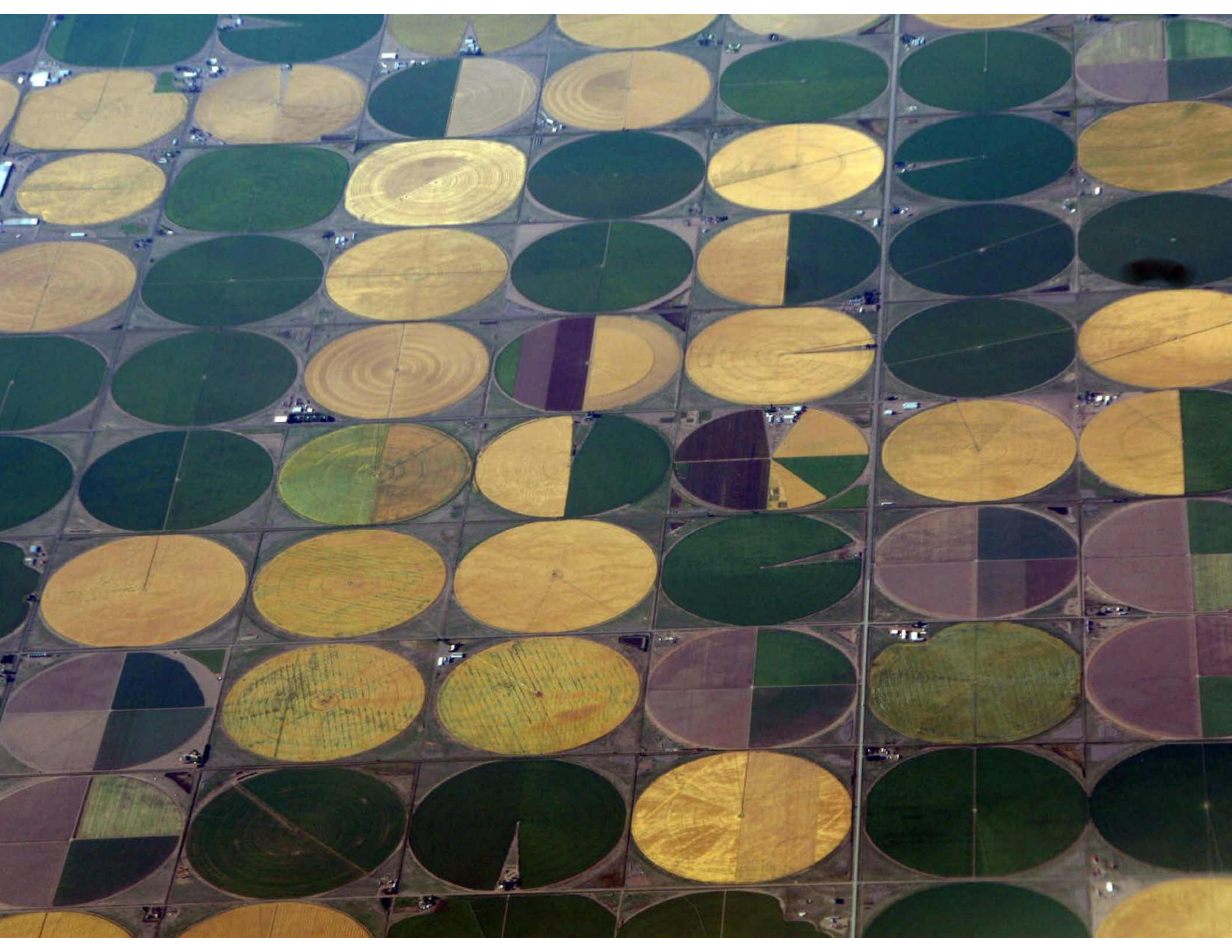




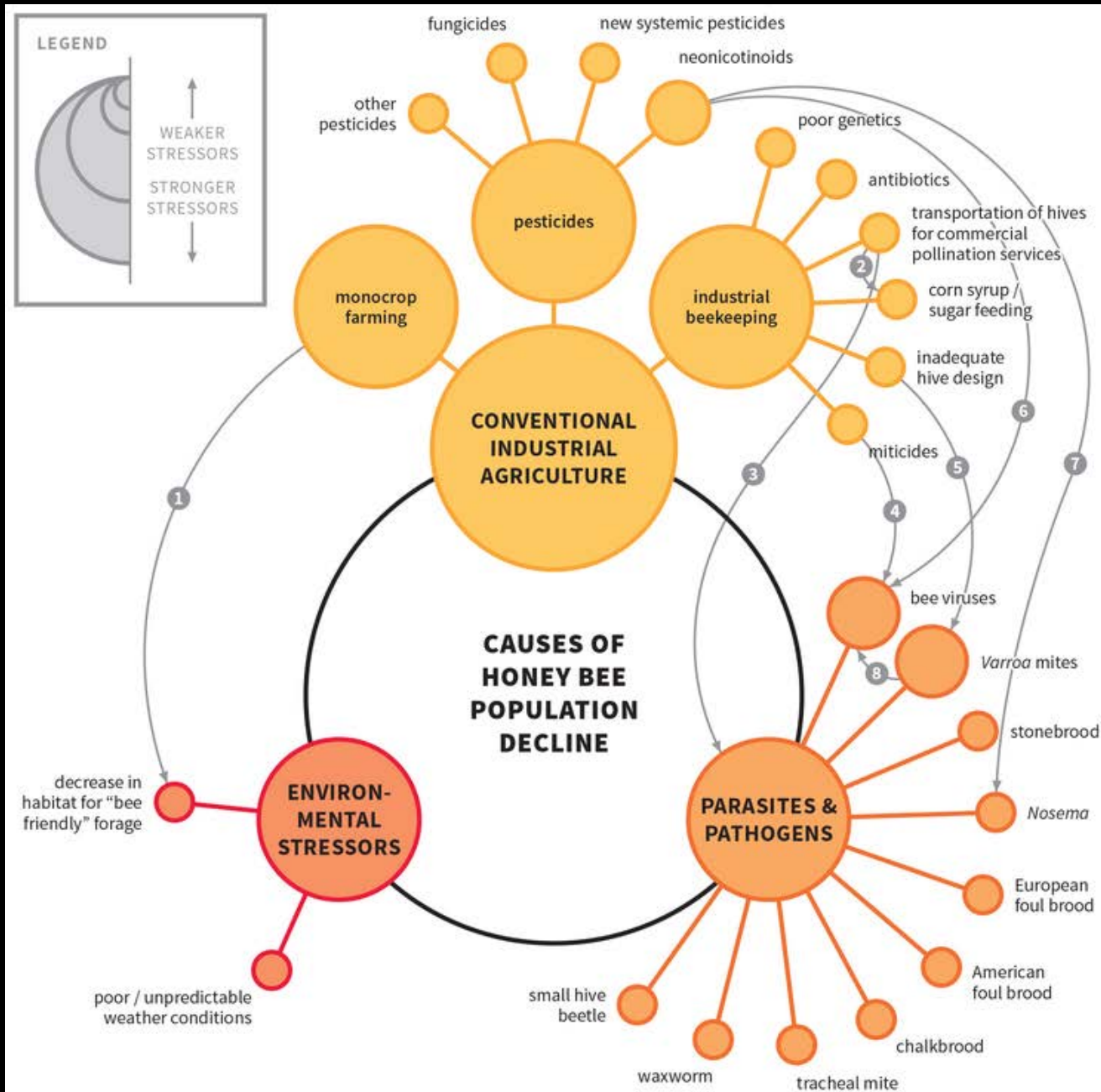












HOW TO HELP





**SAVE
THE
BEEES!**



**GIVE
BEES
A
CHANCE**

**HONK
FOR
BEES**

**SAVE
THE
BEEES**

**AXLE
24000 LBS**

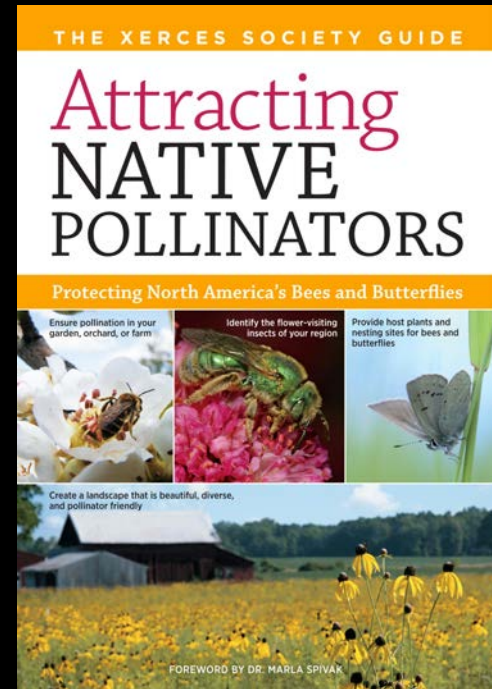
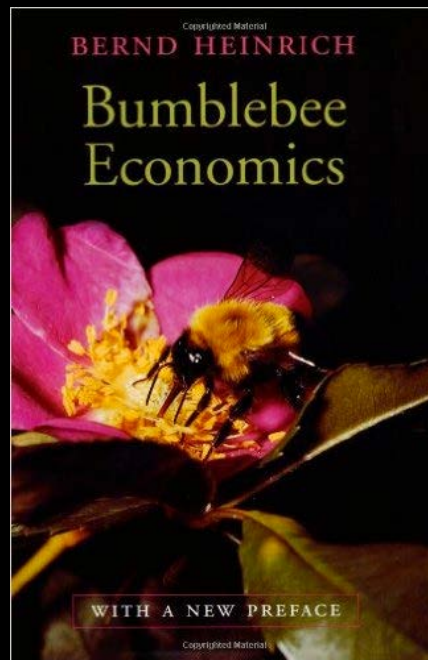
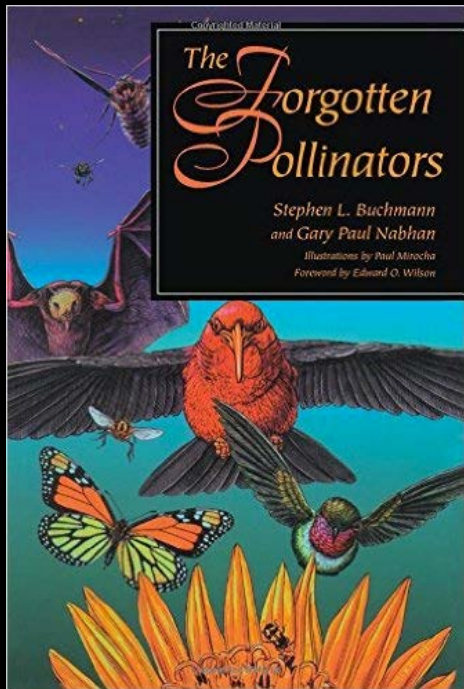
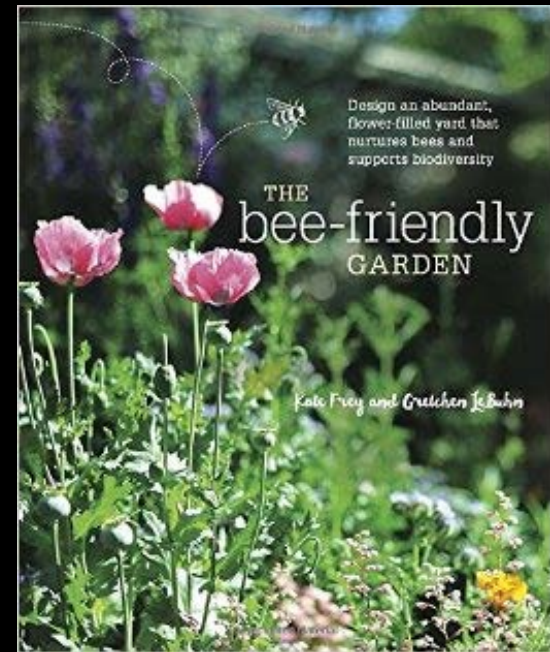
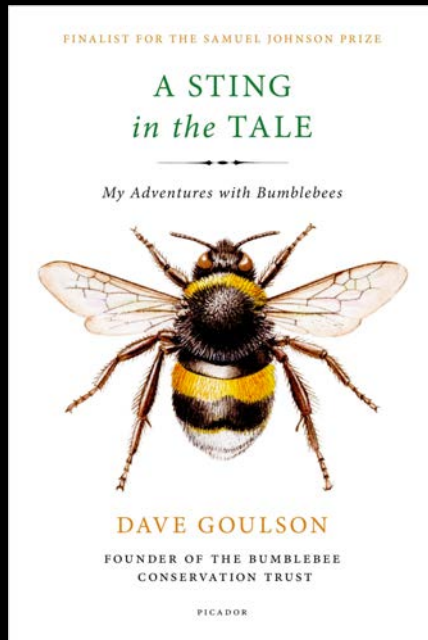
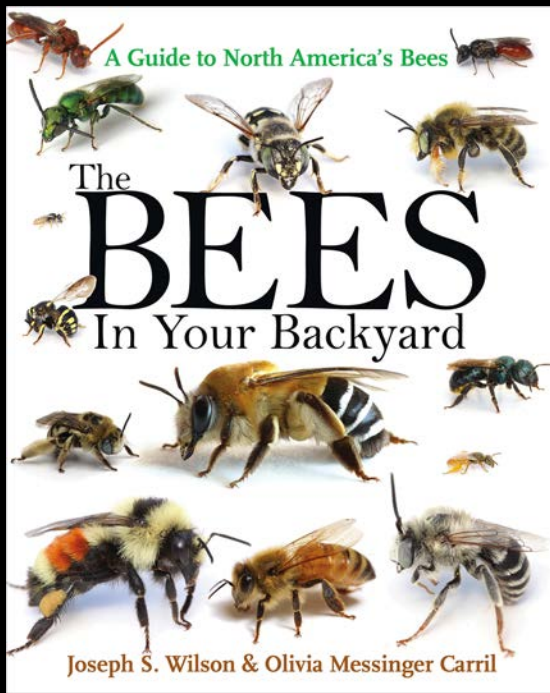


1. LEARN MORE ABOUT POLLINATORS

POLLINATOR RESEARCH AT UCR



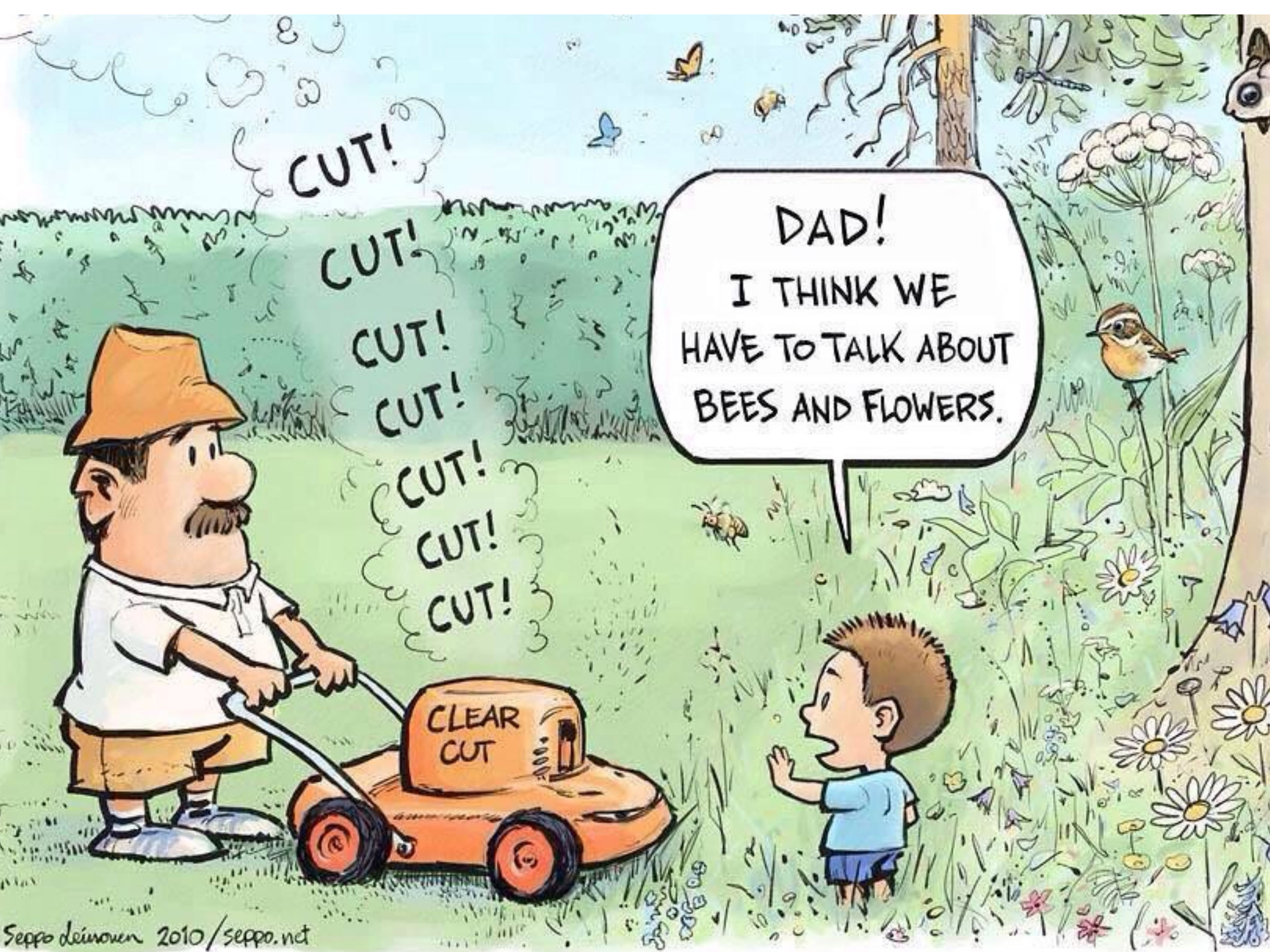
+ 3 MORE...



2. TEACH CHILDREN ABOUT THEM







CUT!
CUT!
CUT!
CUT!
CUT!
CUT!

DAD!
I THINK WE
HAVE TO TALK ABOUT
BEES AND FLOWERS.

3. LEAVE SOME SPACES BE





4. PLANT FLOWERS

A close-up photograph of a field of wildflowers. The foreground is filled with numerous small, bright yellow daisy-like flowers and several larger, vibrant orange poppy-like flowers. The background is softly blurred, showing more of the same floral variety. A white rectangular box is centered horizontally across the middle of the image, containing the text 'XERCES.ORG' in a bold, black, sans-serif font.

XERCES.ORG

5. STOP OVERUSE OF PESTICIDES









