

A LIFE FOR POLLEN AND HONEY

A PRESENTATION BY KIRA AND WAAD

SUBJECT: ERASMUS HEALTHY PLANET
HEALTHY PEOPLE



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INTERESTING FACTS ABOUT BEES

- Did you know that:
 - All worker bees are female
 - All bees produce a teaspoon of honey in their lifetime
 - to produce a kg of honey they have to fly three times around the world
 - they love blue and cluster plants
 - there are over 20.000 different species, found in every continent except Antartica



INTERESTING FACTS ABOUT HONEY

- Did you know that:
- Honey is 80% of sugar and 20% water
- is the only food that includes all the substances necessary to sustain life
- back in the 11th century honey was used as a currency in Germany
- in ancient Egypt honey was the most popular medicament
- is a great source of antioxidants



HONEY PRODUCTION AND IMPORT

- Only 7 bees out of 20.000 bee species are important for the honey production
- most important honey bee is **Apis mellifera**
- Yearly 1.6 Million tons are produced worldwide
- 300.000 tons are traded internationally
- largest customer EU-> sell 200.000 tons per year



HONEY PRODUCTION AND IMPORT

- most Important country for the honey production is China-> produces 500.000 tons per year
- followed by the EU-> produces more than 230.000 tons yearly
- third largest honey producer worldwide is Turkey-> produces more than 100.000 tons of honey
- major honey producers are also:
 - Argentina, United States, Mexico, Russia and Ukraine



BEES

- Bees also produce:
 - Wax -> is used for making candles in a catholic church
 - Propolis -> is very healthy
 - Royal jelly -> products that contain royal jelly are highly popular



BENEFIT OF BEES

- only because of the pollination of the bees a lot of plants can be cultivated
- pollination leads to a significant rise in income
- 84% of plant species depend on the pollination of bees + 76% of the food production
- results in an annual economic value of 14.2 billion Euro



BEEHIVES

- Beehives are easy to transport-> lead in a increase of crops in smaller farms
- 2004 – 2006 there were 11.6 million beehives in the EU -> steady increase
- 10 years later -> number of beehives was 17.6 million



APICULTURE IN DEVELOPING COUNTRIES

- is in developing countries an important source of income
- low costs and small technical efforts
- no own land is needed
- not weather dependent
- Is promoted by the world-food-organization and by non-government-organizations
- Starterkits are available for interested newcomers -> helps to improve the local economy



WHAT CAN WE DO:

- To save the bees we can:
 - plant a bee garden
 - provide trees for bees
 - go chemical free for the bees
 - create a bee bath
 - build homes for native bees
 - support local beekeepers and organizations



SOURCES:

- Insektenatlas p.32 to 33
- <https://www.sciencelearn.org.nz/resources/2002-bees-fun-facts>
- <https://www.mentalfloss.com/article/68528/15-honey-facts-worth-buzzing-about>
- <https://thebeeconservancy.org/10-ways-to-save-the-bees/>





THANK YOU FOR LISTENING! DO YOU HAVE ANY
QUESTIONS?



Erasmus+

Enriching lives, opening minds.