



Objectives 1. Describe medicinal history of honey 2. List composition and properties of honey 3. Identify diseases and conditions treated with honey 4. Recognize biologic activities of honey 3





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· The worker bee lives for a short period of time

Most bees collect just pollen or just nectar on any trip

Some Facts About.... The queen bee

- Develops from a fertilized egg
- Must mate with a drone to produce fertilized eggs
 Role in the hive is to produce eggs and to release pheromone signals within the hive
- May live for 5 years or more

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- Royal jelly, a white, viscous jelly-like substance
 Solely consumed by the queen bee
 Fed to queen bee throughout her entire life
- Fed to queen bee throughout her entire life
 Consists of water (50% 60%) proteins (18%)
- Consists of water (50%-60%), proteins (18%), carbohydrates (15%), lipids (3%-6%), mineral salts (1.5%), and vitamins





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Outline Facts About the Bee and Honey Conditions Treated **Biologic Properties** Conditions Treated • Wound healing • Anti-microbial • Gl diseases • CVD • Diabetes Anti Microbial Anti inflamma Anti inflamma Apoptosis Prebiotic Medicinal History Egypt Greece Roman Christian Asthma IslamAryuveda Cancer Other Bee Products Pollen
Bees wax
Propolis
Royal Jelly Adverse Effects

Infantile Botulism Composition Properties OTC Products Summary and Conclusions 21













REGULAR

RAW

MANUKA

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Methylglyoxal (MGO)













































