



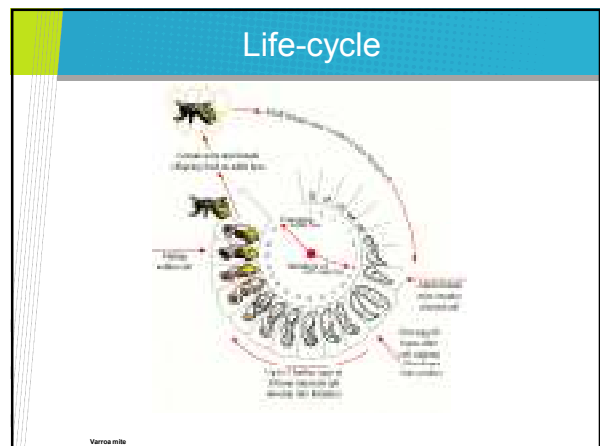
For today

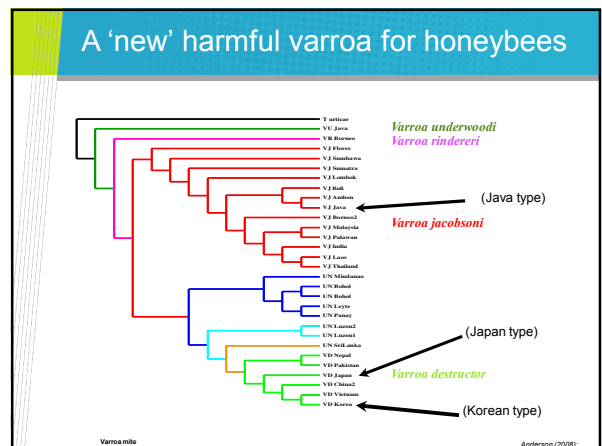
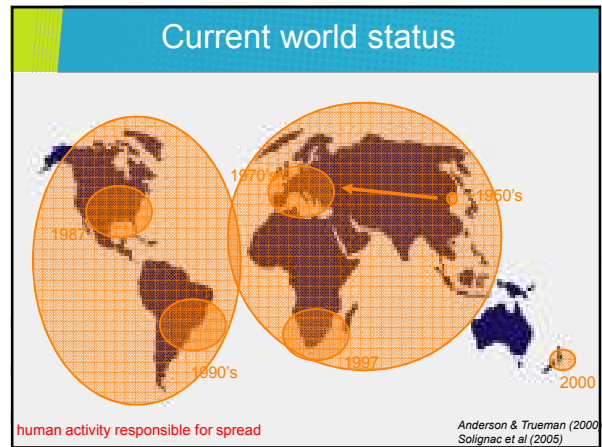
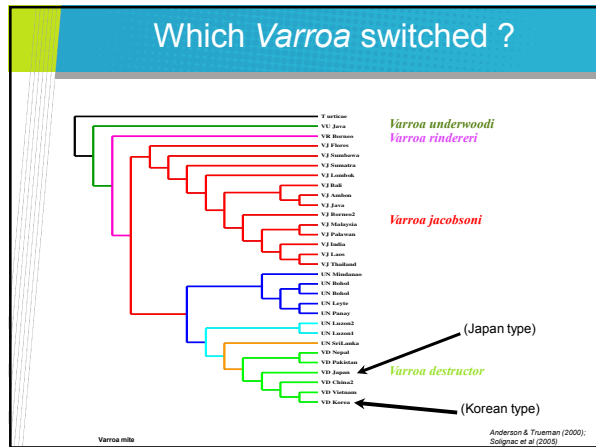
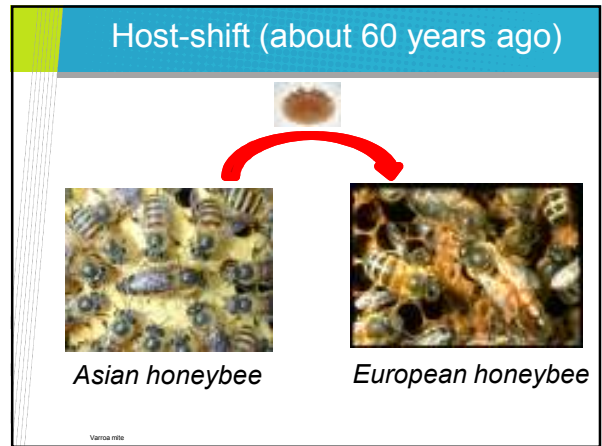
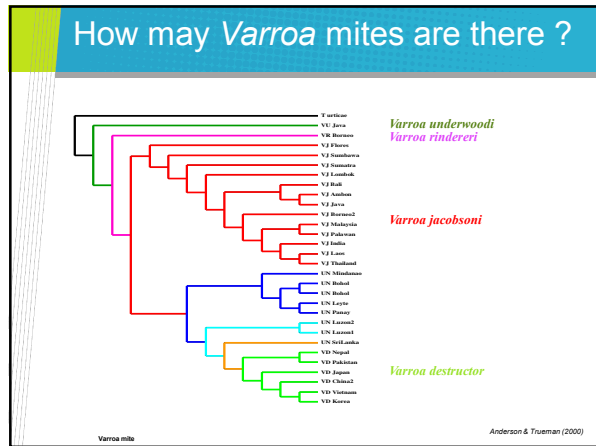
- What is the varroa mite
- *Its current world status*
- *How bad is it?*
- *Its threat to bees and pollination*
- *Will it be manageable?*

Varroa mite

What is the varroa mite ?

Varroa mite







How bad is varroa ?

Varroa mites kill honeybee colonies through mechanical damage + by transmitting or activating viruses

- Queens → Runts
- Drones → Reduced life-span
Less spermatozoa
- Workers → Weight loss
Loss of protein
Damaged bodies
Damaged glands
Odd Behavior
Reduced life-span

Quick death → **Death of colony**

Threat to honeybees & pollination

Following the arrival of varroa:

- Feral honeybees will virtually disappear
- Numbers of hived honeybees will decline
- Costs of keeping honeybees will increase
- Free pollination will be replaced by paid pollination
- Paid pollination will be provided by fewer beekeepers with fewer bees, hence:

THE COST OF POLLINATION SERVICES WILL INCREASE

Will varroa be manageable ?

In short – YES

And.....

Beekeepers will become better beekeepers and crop managers will become better crop managers

Thank you – questions ?

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