

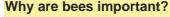
# **Biodiversity and bees**





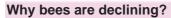


Honeybee (1)



- Pollination of food crops: oilseed rape, peas, beans, apples, soft fruit
- Pollination of wildflowers, trees
- · Sustainability of Irish agriculture and food
- Production of honey

Solitary bees (77)



- Less wildflowers in the countryside: Pollen provides protein and nectar provides carbohydrate.
- Lack of continuity of flowers: Bees need food all year round a diversity of flowering plants in the landscape.
- Less nesting sites



Bumblebees (20)

# Bees need flowers

- · in hedgerows
- in field margins
- in roadside margins
- anywhere!
- ✓ Allow hedgerows to flower✓ Don't spray field margins













Notes:			



# Honeybees and pollination



### Social insects:

- Live and work in a group (colony)
- Recognise each member of the colony
- Colony size = 40 000 workers
- Perennial nest







# Why honeybees are important pollinators?

Honeybees need pollen and nectar for food...

- Pollen...source protein
- Nectar...source carbohydrate

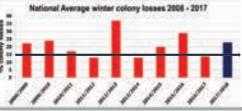




# Why bees are efficient pollinators?

- · Branched hairs
- Flower constancy
- · Special communication between members...

# Colony losses and potential reasons....



- · The Varroa mite
- Lack of forage/diversity of forage
- Inadvertent chemical applications







Lead researcher of the National Apiculture Programme:

Mary.Frances.Coffey@ul.ie

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