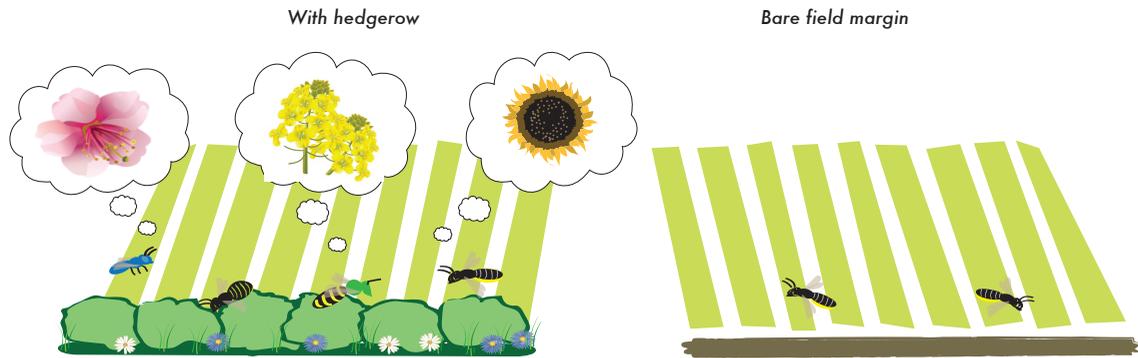


# Hedgerow Support of Crop Pollinators

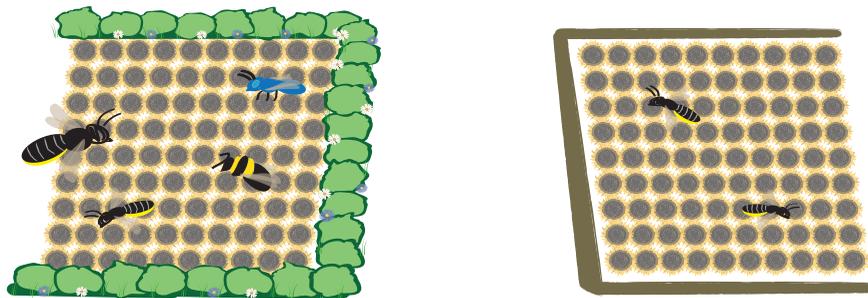
Hedgerows not only increase pollinator conservation, but they also show the potential to increase crop pollination as by supporting more crop pollinators. Increases in yields, however, were crop dependent, suggesting we need more research on effective ways to augment pollination services.

## Crop Pollinators



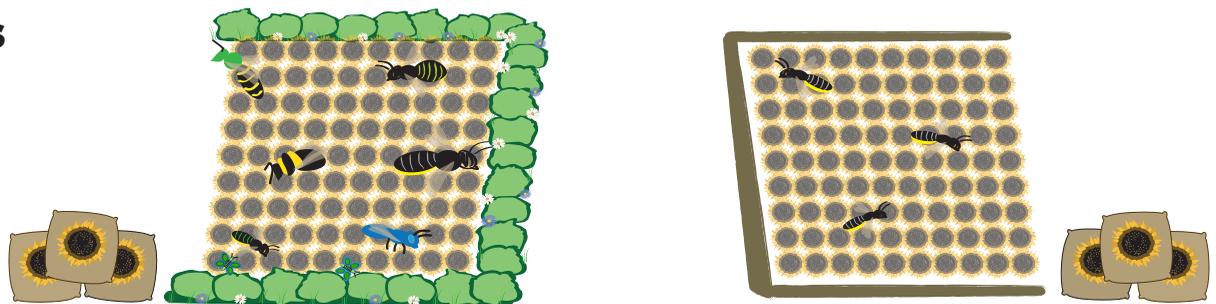
Hedgerows support more crop pollinators than field margins without hedgerows<sup>4</sup>.

## Pollinators in Crop Fields



Fields that are next to hedgerows contain two times more bees than fields without hedgerows. Hedgerows therefore help bees move into crop fields instead of concentrating pollinators in the hedgerows<sup>5</sup>.

## Crop Yields



Despite the increase in crop pollinators within fields, yield increases are variable. Canola yields<sup>1</sup> increased, while sunflower yields were not augmented<sup>6</sup>.

1. Morandin and Kremen 2013, *Ecol. App.*
2. Kremen and M'Gonigle 2015, *J. App. Ecol.*, M'Gonigle, Ponisio, Cutler & Kremen 2015, *Ecol. App.*
3. Ponisio, M'Gonigle & Kremen, 2016, *Global Change Biol.*
4. Kerney et al. in prep.
5. Morandin and Kremen, 2013, *Ecol. App.*
6. Sardiñas and Kremen, 2015, *Agric. Ecosyst. Environ.*