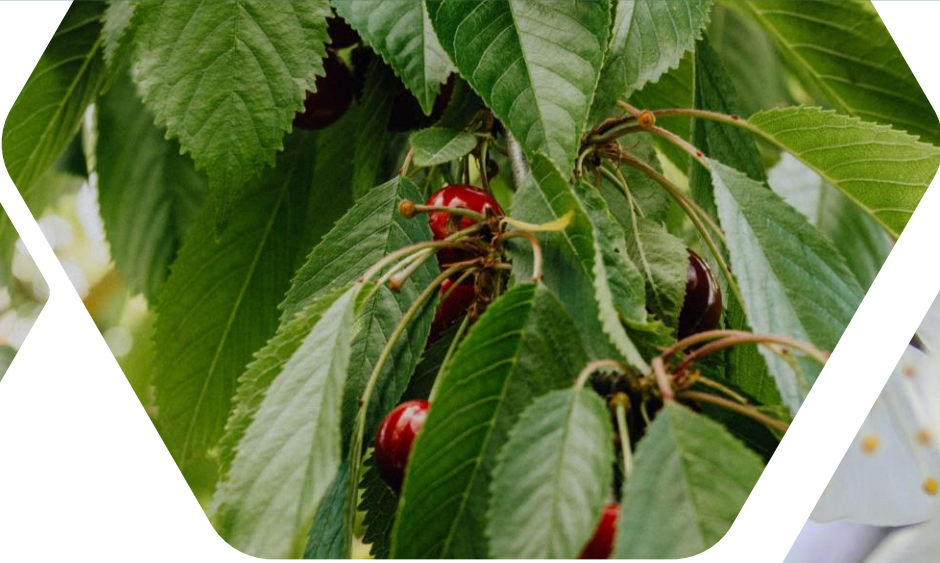


The novel use of remote tools to study plant-pollinator interactions in Scottish fruit crops

Anthony and Margaret Johnston Centre for Doctoral Training (CDT) in Plant Sciences



The James
Hutton
Institute

1495



UNIVERSITY OF
ABERDEEN

Jane Devlin
Fabio Manfredini
Dominic Williams
Ali Karley



Approximately **75%** of all crop species require animal pollinators to produce a viable yield.

Plant-pollinator interactions can not only affect the yield of fruit crops but also the quality of the fruit produced.

Novel tools to monitor pollination services such as **cameras** and **acoustic** recording devices.

June drop is a natural process where developing fruit die before reaching maturity.

Is the amount of fruit lost in the June drop influenced by **insufficient or poor pollination services**?

Can **novel tools** be used to monitor plant-pollinator interactions in cherry orchards and link pollinator activity to fruit loss?

First pilot study is to explore the use of **video recording devices**.





New **insight** into plant-pollinator interaction on farms.

Quantify the relative effects of **pollinator enhancement** methods.

The development and assessment of pollinator management **strategies**.

