

SETUP & RUN: Press **SETUP**, click **Run** the simulation will run until you click **Run** again

CONTROL PANEL: To select, click **Set Panel**

CONTROL PANEL

Panel
Maps and Settings
Set Panel
My Own Maps
Modify Maps
Stewardship Options
Display Options
Advanced Input Options

Before you start! Download NetLogo 5.3.1:
<https://ccl.northwestern.edu/netlogo/5.3.1/>

BEE-STEWARD

Quick Start Guide

The **'World'**: this is where your map and your bumblebee colonies appear.

Twiston-Davies, Becher & Osborne. [DATE]. BEE-STEWARD: a research and decision support software for effective land management to promote bumblebee populations. [JOURNAL,(,)-.].



Bumblebee colonies

RESULTS: Graphical results of your simulation. **TIP:** To change, click on the dropdown arrow and select a new plot before you run a new simulation

This Output box will give you updates on your simulation. **TIP:** Results from Task 3 after clicking **Show Stewardship Areas** will appear here

Task 1: Run for 1 year.
SETUP | Period | select 1 year from dropdown list | Run for period

Task 2: Change Crops.
CONTROL PANEL Modify Maps | Set Panel | Replace Colours | OK | click on red swatch | Yes | click on a green field | Update current Map | rename your map | No | OK

Task 3: Apply Stewardship.
CONTROL PANEL Stewardship Options | Set Panel | Select Stewardship Option (Legume) | Select Field | click on a crop field in your map | Apply Stewardship | rename you map | OK

Task 4: Load in a picture map.
CONTROL PANEL Maps and Settings | Set Panel | Create Map from Scan or load GIS text file | No | Yes | select your map as an image file or e.g. _SYSTEM_Example_Farm.png | select Distance any two points from dropdown | OK | OK | click on start and then the end of a field edge you know the distance of | OK | type the distance e.g. 190 | OK | rename you map | OK

