IPM Decisions Platform – Quick Start Guide

The current version of the platform can be found at:

https://platform.ipmdecisions.net.

Please use Google **Chrome** or Mozilla **Firefox** as the browser for this version

On navigating to this link you will arrive at the landing page:
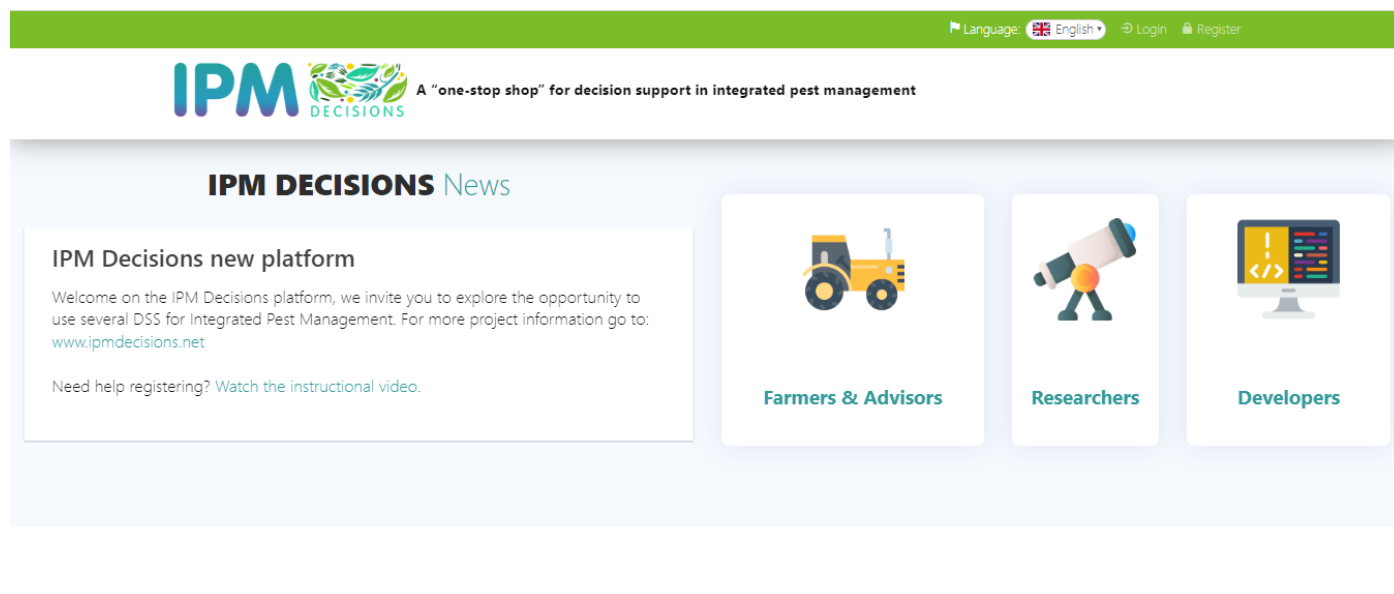
This page contains information for various types of user, news and contact information.

To access and use the models, you will need to follow the instructions provided in the rest of this document to register with the platform and then set up your farm and select models.

Registering with the IPM Decisions Platform

To register.

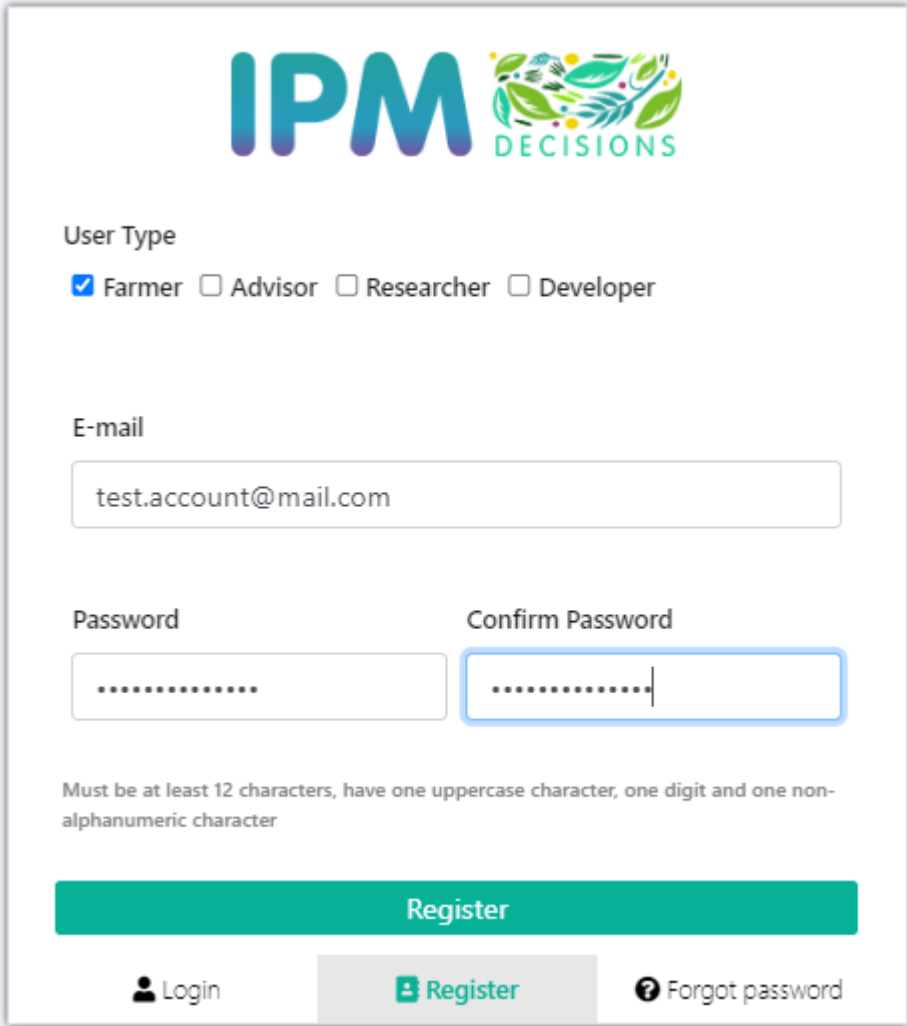1. Click on the "Register" link on the top banner of the website
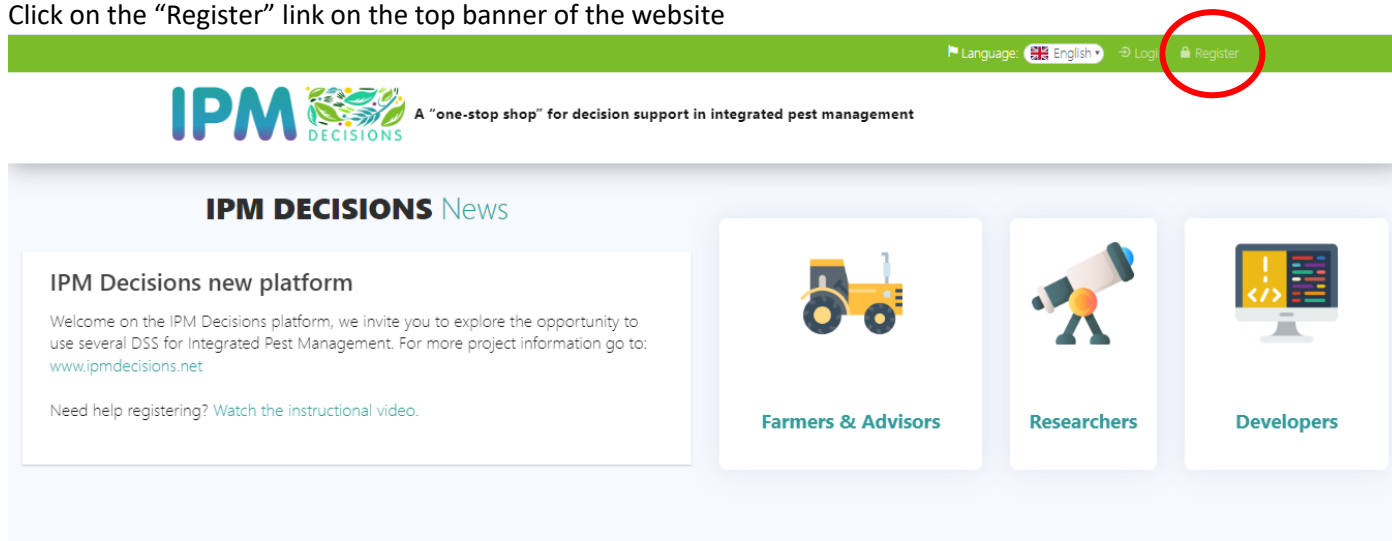
2. Select your User Type, then enter your e-mail and choose a password.

   Note: The password must be at least 12 characters length and contain at least one of each of the following: UPPERCASE letter, a lowercase letter, a number, a symbol.
   An example password would be Hello123456$

   Once you have filled in the form, then press the "Register" button.

3. Read through the terms and conditions and then click the checkbox to accept the terms and conditions, before pressing the blue "Register" button.

☐ Accept Terms & Conditions   Register

4. On pressing "Register", you should receive a notification informing you that you will receive an email to confirm your registration. Please ensure that you follow the instructions in the email and complete registration within 48 hours.

Registration Confirmation

Thank you for choosing to register with the IPM Decisions Platform. You should shortly receive an email with a link that you need to click on to confirm your email address. Once you have done this the registration process will be complete.

If you do not receive the email then please check your junk folder or with your IT department to ensure that it has not been placed in a spam folder.

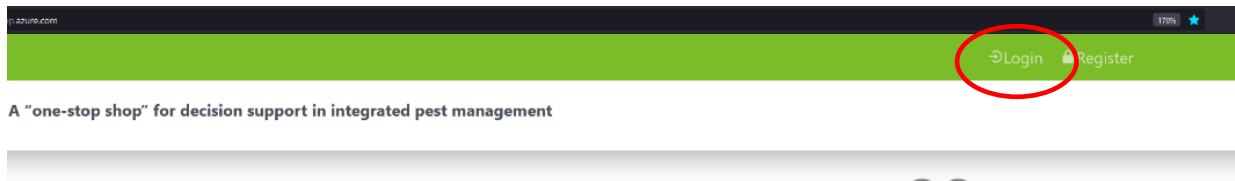If you do not confirm your email within 48 hours then your details will be removed from the platform.

Regards,

IPM Decisions Platform

OK

Setting up a farm

1. Click on the "Login" link on the top banner of the home page

2. Enter your username and password (see registration section) and press the blue/green "Login" button
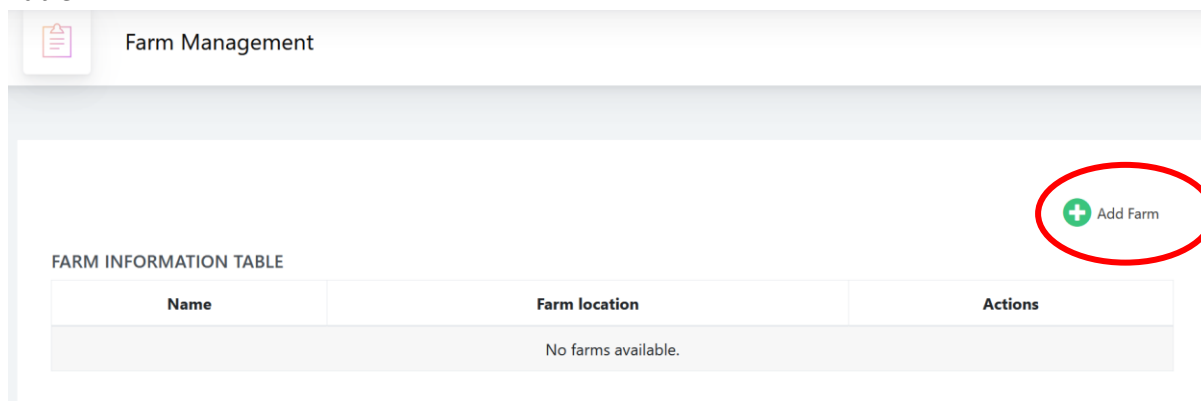
3. In the Farm Management Section, click on the "Add Farm" button that is located above the Farm Information Table

4. Give your farm a name and select a location using the map. Then press the "Save" button

You may need to click on a browser pop up to allow your browser to share your location with the platform. If you do not share your location, the pop-up will appear every time you use the platform.
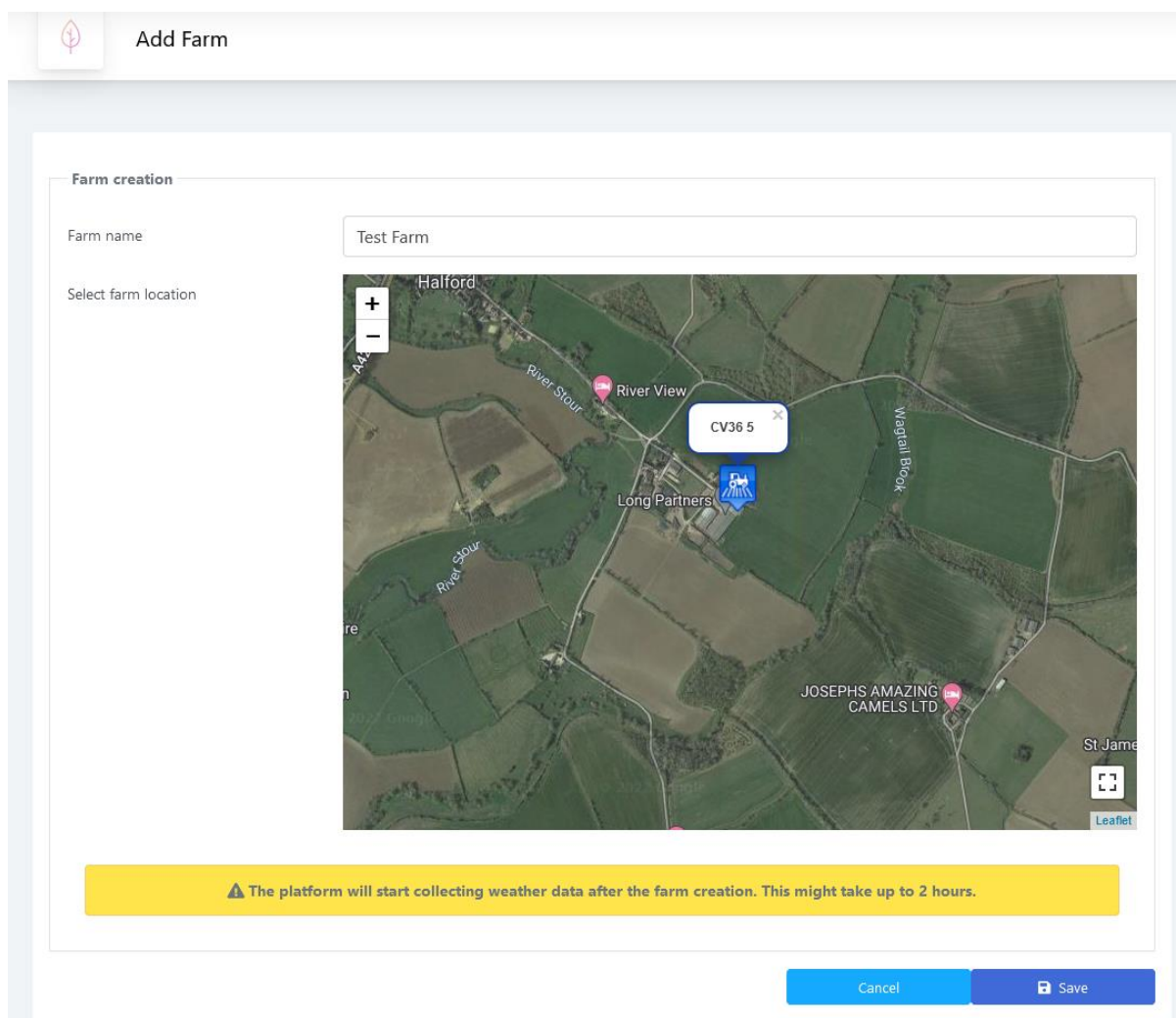
Please note that it can take up to two hours for the weather data service to acquire the initial set of weather data relevant to the farm location, as indicated by the message in the yellow box. This process only begins when you click the "save" button.

5. The farm will be added to the Farm Information Table

Farm Management

Add Farm

FARM INFORMATION TABLE

Name	Farm location	Actions
Test Farm	CV36 5, GBR	

Adding DSS Models to the farm

1. To add DSS models, click on the blue "Edit" icon in the "Actions" section of the Farm Information Table.

FARM INFORMATION TABLE

Name	Farm location	Actions
Test Farm	CV36 5, GBR	📋 ✏️ 🗑️

2. Click on the "Add DSS Model" button which is located below the "Farm Creation" section containing the map, and above the DSS Information Table

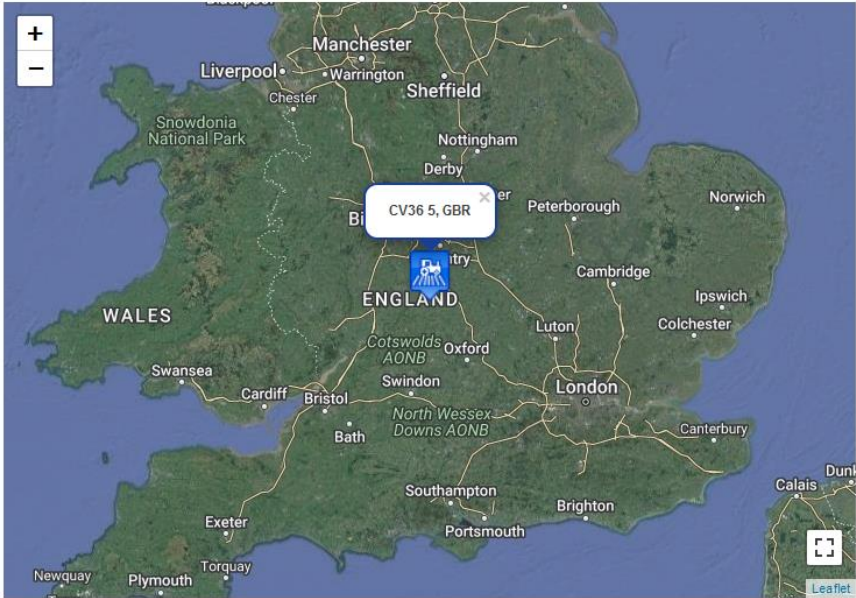**DSS INFORMATION TABLE**

DSS	Crop	Pest	Source	Actions
		No model available.		

3. Select the crops for which you wish to see DSS, in this example I have selected Garden Carrot, Brassica and 3WHEC (which is not visible in the screenshot below). Then click on the "Show DSS" button.

4. In the DSS Models Selection section, you will see the list of available DSS. Select the DSS you wish to use by clicking on the "Select" button.
Where a DSS covers multiple crops you may need to select a crop, as for the TSUM model and Septoria humidity model DSS shown below.

5. Save your model selection by clicking on the "Save" button below the DSS Models Selection section (at the bottom of the page). You should automatically be returned to the Farm Management Edit Page.

6. The models will now be visible in the DSS Information Table.

DSS INFORMATION TABLE

DSS	Crop	Pest	Source	Actions
Cabbage fly flight period temperature model	1BRSG	Cabbage fly	VIPS	✏️ 🗑️
TSUM Model	Sof wheat (winter	Bird cherry-oat aphid	Models	✏️ 🗑️
Carrot rust fly temperature model	Carrots	Carrot fly	VIPS	✏️ 🗑️
Septoria Humidity Model	3WHEC	Septoria leaf tritici blotch	SEGES/AU DSS models	✏️ 🗑️

7. Finally, click "Save" to confirm your selections and you will be returned to the Farm Management page. You can now select the DSS Use Dashboard to see the DSS information. If all of the DSS boxes on the DSS Use dashboard are grey, then you may need to wait for a couple of hours until the platform has been able to retrieve the weather data relevant to your farm. .

Customising the DSS on your farm (Edit DSS parameters)

On initial selection all DSS are set up with a default set of parameters that have been provided by the owner of the DSS. These parameters may not reflect the growing practices on your farm. To check these parameters and edit them to better reflect the growing practices on your farm, please follow the instruction below.

1. On the Farm Management Edit page, click on the blue "Edit" icon for the farm you wish to customize.

FARM INFORMATION TABLE

Name	Farm location	Actions
Test Farm	CV36 5, GBR	

2. in the DSS Information Table for the DSS where you wish to change the DSS parameters

DSS INFORMATION TABLE

DSS	Crop	Pest	Source	Actions
Cabbage fly flight period temperature model	1BRSG	Cabbage fly	VIPS	
TSUM Model	Sof wheat (winter	Bird cherry-oat aphid	Models	
Carrot rust fly temperature model	Carrots	Carrot fly	VIPS	
Septoria Humidity Model	3WHEC	Septoria leaf tritici blotch	SEGES/AU DSS models	

3. This will display the parameter editing page. The current parameters are given in the text boxes under the parameter name.

Test Farm

Cabbage fly flight period temperature model (DELIARADIC)

CONFIGURATION PARAMETERS

Time zone (e.g. Europe/Oslo)

Europe/Oslo

Start date of calculation

01 / 03 / 2022

End date of calculation

01 / 09 / 2022

Cancel   Save

Set the parameters by entering values in the appropriate boxes and then click on the "Save" button at the bottom of the screen.
Note that currently the earliest date that should be entered is 25th September 2021. The end date can be in the future.

4. If the parameter update is successful, you will be returned to the Farm Management page.

5. Click "Save" on the Farm Management page.

Please note that the parameters vary between the models and currently for some models, there are parameters that are intended for use by researchers and model developers. You should ignore these for now. A future release of the platform will ensure that only farm relevant parameters are displayed.

Viewing the DSS Model Results (DSS Use Dashboard)

1. To view the current status of the DSS models, click on the DSS Use Dashboard option on the left hand side of the page.
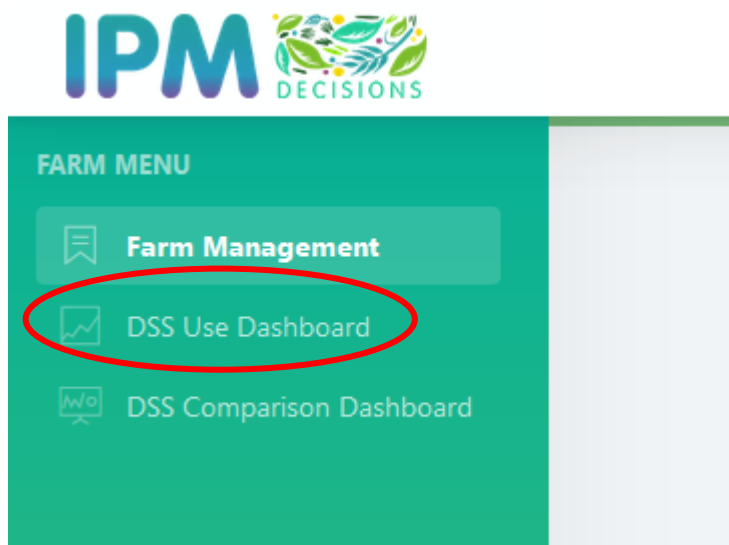
2. This will take you to the DSS Use Dashboard, where you will be able to see the current status of the DSS models.
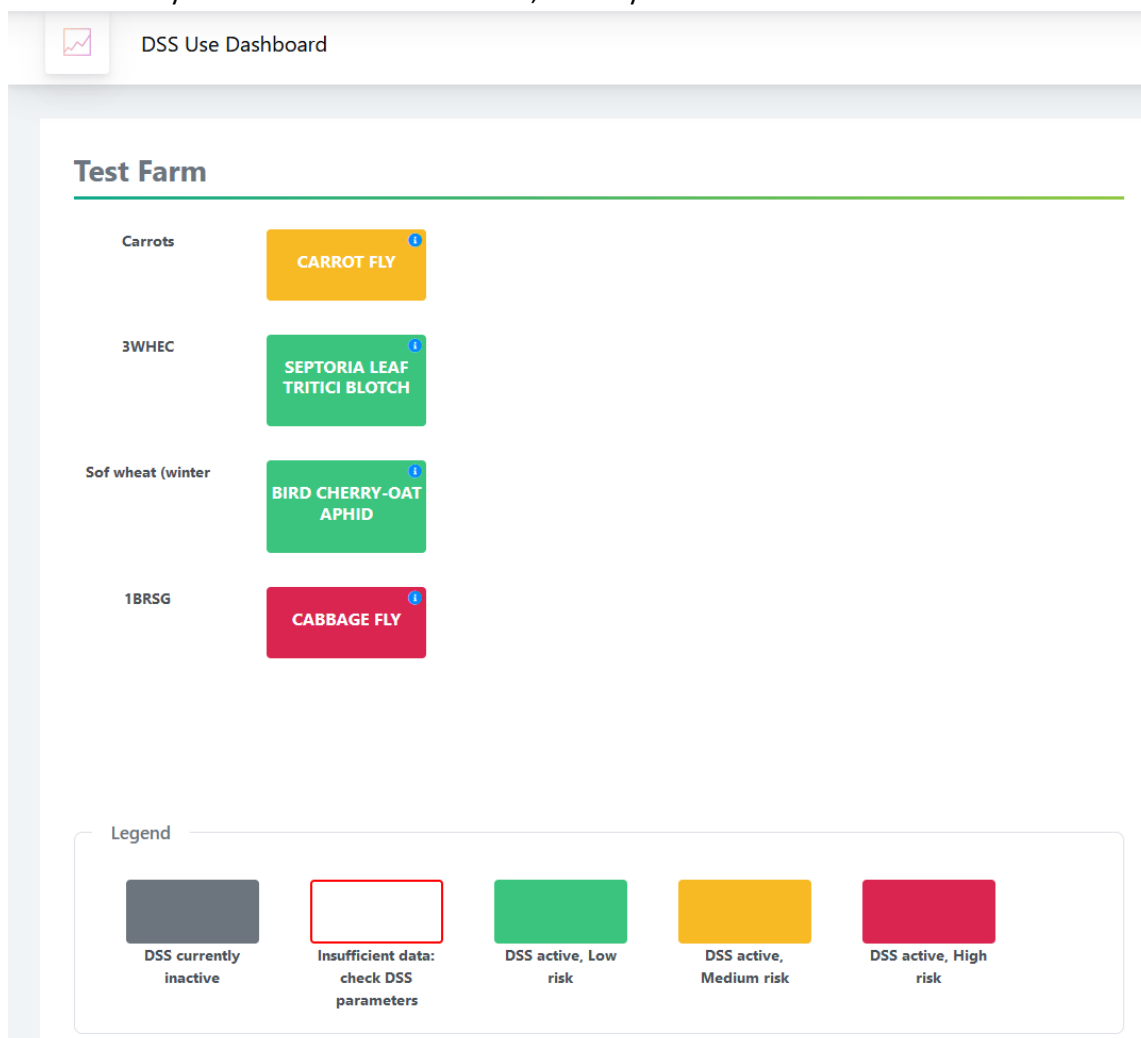

The colours of the rectangles indicate the status of the model. Green means no or low risk, orange is medium risk and red is high risk. A grey rectangle indicates that the model is not providing a result. This could be due to incorrect parameter settings, or the date being outside the range of dates within which the model is valid.

Clicking on the blue "I" icon will provide the description of the model provided through the DSS model metadata.

Hovering over the rectangles will show the interpretation of the rectangles colour.

3. You can see more detailed information and output by clicking on the pest name inside the rectangle.
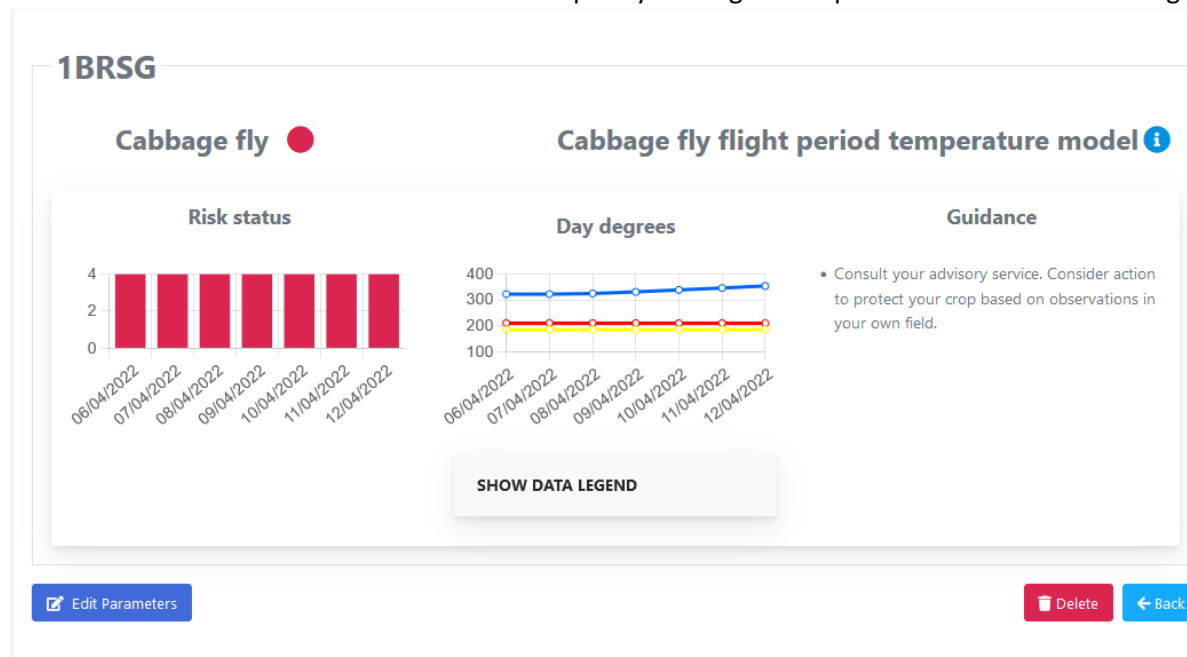
The detailed output shows the risk score for seven days of weather data, that last date is the date of the furthest forecast for weather data, which will be between 3 and 6 days from the current date.

The Data Legend is collapsed by default, but can be expanded by clicking on "Show Data Legend".

The guidance provides information on what you should do in response to the risk indicated by the DSS.

4. You can return to the DSS Use Dashboard by clicking on the "Back" button at the bottom of the page.

Comparing DSS Results (DSS Comparison Dashboard)

Where multiple DSS have been selected and are active and providing results, you can compare the results from multiple DSS by selecting the DSS Comparison Dashboard option from the menu on the left hand side of the web page.

You will then need to follow the steps below to compare DSS.

1. Select DSS to compare from the drop down menu box and click "Compare Models" button

2. The selected models will then be displayed.
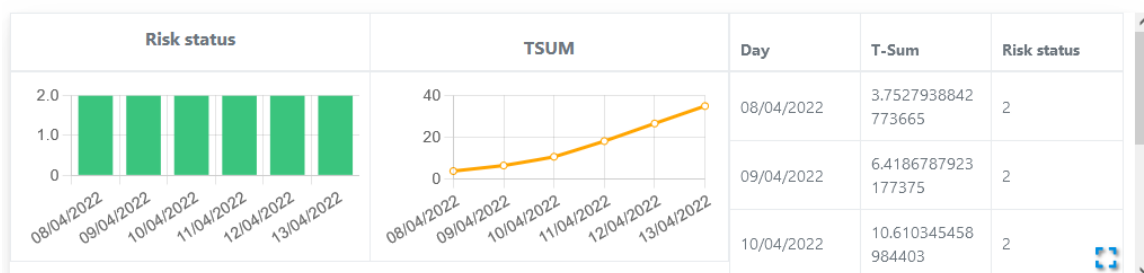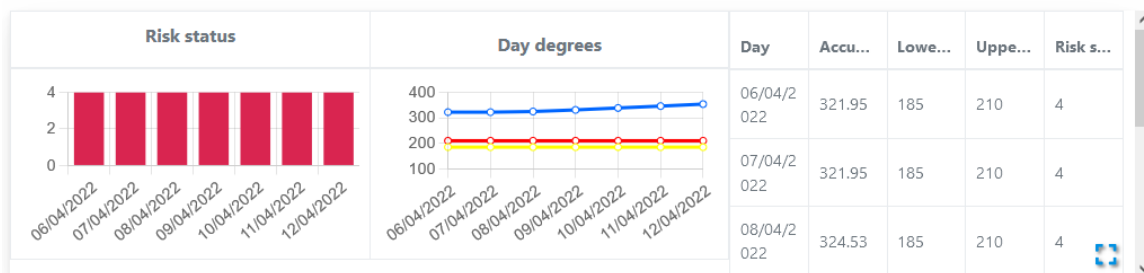
If you click on the blue square (circled in red) then you can view the data in a pop-up window.

Parameters table: TSUM Model

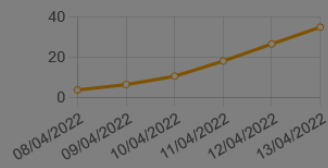| Day	T-Sum	Risk status
08/04/2022	3.7527938842773665	2
09/04/2022	6.4186787923177375	2
10/04/2022	10.610345458984403	2
11/04/2022	18.09576212565107	2
12/04/2022	26.545762125651066	2
13/04/2022	34.8978454589844	2

Close

Risk status

TSUM

Day	T-Sum	Risk status
08/04/2022	3.7527938842 773665	2
09/04/2022	6.4186787923 177375	2
10/04/2022	10.610345458 984403	2