



Spot Spraying in Geofolia.

The main concern is how to record the time and quantity of chemical used. One method to record spot spraying activities is as follows:

In Settings → Activities, add an activity – Spot Spraying.

The screenshot shows the 'Spot Spraying' activity configuration window. The 'Description' tab is active. The 'Name' field is 'Spot Spraying'. The 'Reference Activity' dropdown is set to 'Spraying'. The 'Activity Category' dropdown is set to 'Applications'.

In the Settings Tab the following elements are the only ones needed.

The screenshot shows the 'Settings' tab for the 'Spot Spraying' activity. It is divided into two sections: 'Display in the Inputs Tab' and 'Display in the Harvest Tab'.
In the 'Display in the Inputs Tab' section:
 Target Column
 Mixture Volume Records / Ha (value: 0 L)
 TGW and Density records in (unit: gr/m²)
 Quantity of Fertilising Elements (NPKMgS)
 Lot Numbers
In the 'Display in the Harvest Tab' section:
 Yes
 No

In the default values Tab, make sure Herbicides are present (they should be by default), in the equipment tab add a Knapsack sprayer and the person doing the operating.

The screenshot shows the 'Default Values' tab for the 'Spot Spraying' activity. It contains three main sections: 'Input Type', 'Equipment', and 'Employees'.
In the 'Input Type' section, the following items are listed with checkboxes:
 Growth Stimulants
 Herbicides
 Insecticides
 Molluscicides/Hericides
 Nematicides
Below this list, the 'Reason' dropdown is set to 'Pesticide plan' and the 'Type of Area' dropdown is set to 'Total Area'.
In the 'Equipment' section, a 'Knapsack sprayer' is listed with a checkbox.
The 'Employees' section is currently empty.

Then add an Activity.

Sandpit field has been chosen which is cropped with Grass.
 Change the Cultivated area of the field to an area which will be treated. In this case an estimate has been made of 500sq metres. (0.05Ha).

Field	Type	Crop	Variety	Type of Area	Cultivated Area (Ha)	Stage
Sandpit	Grass			Total Area	0.05	

In the comments box on the right side write a suitable description.

Enter Comment

Spot spraying on south end of field Approx 500 sq metres

In the Input Tab add the product (Easel has been chosen) and the Target added. The quantity of product being used relates to the full rate and is proportional to the size in the normal way (E.g. 0.1litres). This will be deducted from the quantity purchased in the Input prices and stocks.

Mixture Volume / Ha L Total Mixture Volume L

Input	Target	Rate / Ha	Rate / hl	Quantity	Unit
Easel	Creeping thistle	2.10	2.10	0.11	L

The Equipment and Reason will be automatically filled from the Settings in the Activity Tab. If the operator is added then this will be shown as well.

Name	Time (h)
Knapsack sprayer	001:00

The job is planned and the Work Plan can be printed and is as follows:

All the information above is copied through to the correct boxes with the comments appearing beneath the Job.

Home Farm		02/02/2021	
Work Plan			
Fam Home Farm		Year 2022	
Job 1 - 02/02/2021 - Spot Spraying			Total job area
Operator	Equipment Knapsack sprayer	Advisor	0.05 Ha
			Application rate
			100.00 L
Products (1)			Rate / Ha
			Units
			Required
			Total Used
Total Mix			100.00 L
			5.00
Easel	MAPP 15548	Reason Creeping thistle	2.10 L
			0.11
Target dose % : 100		Active ingredients Mcpa 750.000 g/L	
Fields (1)			
Sandpit	Grass	Growth st.	0.05 Ha
			Required
			5.00 L
Date	Start time	Finish Time	Wind Speed
			Direction
			Weather Code
			Soil Code
			Temp °C
			Used
Comment Spot spraying on south end of field Approx 500 sq metres.			

The second job relates to spot spraying the same field the following day with the same product. Here the comment has been added in the Job box and is seen higher up the work plan.

Home Farm		02/02/2021	
Work Plan			
Fam Home Farm		Year 2021	
Job 1 - 03/02/2021 - Spot Spraying			Total job area
Operator	Equipment Knapsack sprayer	Advisor	0.07 Ha
			Application rate
			100.00 L
Products (1)			Rate / Ha
			Units
			Required
			Total Used
Total Mix			100.00 L
			7.00
Easel	MAPP 15548	Reason Creeping thistle	2.10 L
			0.15
Target dose % : 100		Active ingredients Mcpa 750.000 g/L	
Comment Spot spraying on north end of field. Approx 750 sq metres.			
Fields (1)			
Sandpit	Grass	Growth st.	0.07 Ha
			Required
			7.00 L
Date	Start time	Finish Time	Wind Speed
			Direction
			Weather Code
			Soil Code
			Temp °C
			Used

The Jobs are both seen as planned jobs in the Activities log.

Once the jobs are completed the product used will be deducted from the Input Prices and Stocks to maintain a stock record.

Home Farm	Double Top (CF)	Mineral Fertilisers	400.00	0.00	0.00	0.00	400.00	kg
Home Farm	Easel	Herbicides	0.00	5.00	-0.25	0.00	4.75	L
Home Farm	Elatus Era	Fungicides	3.00	0.00	0.00	0.00	3.00	L

The a activities are shown with the amount used being deducted from the initial purchase. In this case a 5 litre can was purchased and after the 2 spot spraying activities there are 4.75 litres remaining.

Stock Details							
Date	Type	Cult. Area (Ha)	Rate (L/Ha)	Qty (L)	Stock (L)	Unit Price (£)	
	Crop Year 2021 Initial Stock			0.00			
02/02/2021	Invoice			+5.00	5.00	10.00	
02/02/2021	Activity	0.05	2.10	-0.11	4.90		
03/02/2021	Activity	0.07	2.10	-0.15	4.75		
	Crop Year 2021 Final Stocks			+4.75			

NOTES:

Easel has no limitations for how many times it can be used on a grass field but there are limitations on a few products, such as Grazon Pro. The use of spot spraying with this product will cause a warning from Geofolia about exceeding the number of doses in a field. A comment can be written in the one of the comments box about the use of spot spraying which will give the necessary information to an auditor.