

In General

The following guide describes how to enter and use cluster fields in Agrinavia MANAGEMENT.

Similar treatments on cluster fields are shown together in the field records.

Enter cluster id in the Field plan

In the Field plan you can enter the same **Cluster id** for fields, that are normally treated the same way at the same time.

You don't need to put **Cluster id** on all fields – just the fields you want to connect.

Fields from different farm units, may have the same **Cluster id**.

We recommend that you name the cluster fields in the same way as normal fields

Farm	Field code	Name	Cluster id	Area	Crop	Last crop	Last crop field
70203311	1-0			5.96	Main crop	Winter rape	1-0
70203311	2-0		2-0	25.14	Main crop	Spring barley, Spring barley	2-0
70203311	2-1		2-0	12.58	Main crop	Winter wheat, Spring barley	3-0
70203311	2-2		2-0	3.69	Main crop	Winter wheat, Spring barley	4-0
70203311	5-0			30.25	Main crop	Spring barley, Triticale	5-0
70203311	6-0			12.88	Main crop	Spring barley, Triticale	6-0
70203311	7-0		7-0	21.36	Main crop	Winter wheat, Winter whea	7-0
70203311	7-1		7-0	12.88	Main crop	Winter wheat, Winter whea	8-0
70203311	7-2		7-0	17.45	Main crop	Winter rape, Winter whea	9-0
70203311	7-3		7-0	19.33	Main crop	Spring barley, Winter whea	10-0
70203311	11-0			5.99	Main crop	Winter wheat, Winter whea	11-0
70203311	12-0			8.30	Main crop	Spring barley, Hybrid rye	12-0
70203311	13-0			2.60	Main crop	Winter wheat, Hybrid rye	13-0
70203311	14-0			14.66	Main crop	Spring barley, Hybrid rye	14-0
70203311	15-0			16.99	Main crop	Spring barley, Hybrid rye	15-0
70203311	16-0			14.85	Main crop	Spring barley, Triticale	16-0
70203311	17-0			12.33	Main crop	Winter rape, Triticale	17-0
70203311	18-0		18-0	25.71	Main crop	Winter wheat, Winter whea	18-0
70203311	18-1		18-0	5.00	Main crop	Spring barley, Winter whea	19-0
70203311	20-0			22.93	Main crop	Spring barley, Spring barley	20-0
70203311	21-0			21.44	Main crop	Winter rape, Spring barley	21-0
70203311	22-0			18.96	Main crop	Winter wheat, Spring barley	22-0
70203311	23-0		23-0	23.66	Main crop	Winter rape, Winter whea	23-0
70203311	23-1		23-0	14.22	Main crop	Winter rape, Winter whea	24-0

Show treatments on Cluster's

You may enter the treatments on clusters by selecting the menu **Field records/Clusters** or open the Field records and select the **Clusters** tab.

Agrinavia MANAGEMENT

Management Reports Field plan **Field records** Organic fertilizers Stock m

Crop year 2019

Treatments **Clusters** Fertilizer plan

Field records (Applied)

Create treatment Add product Delete treatment Delete product

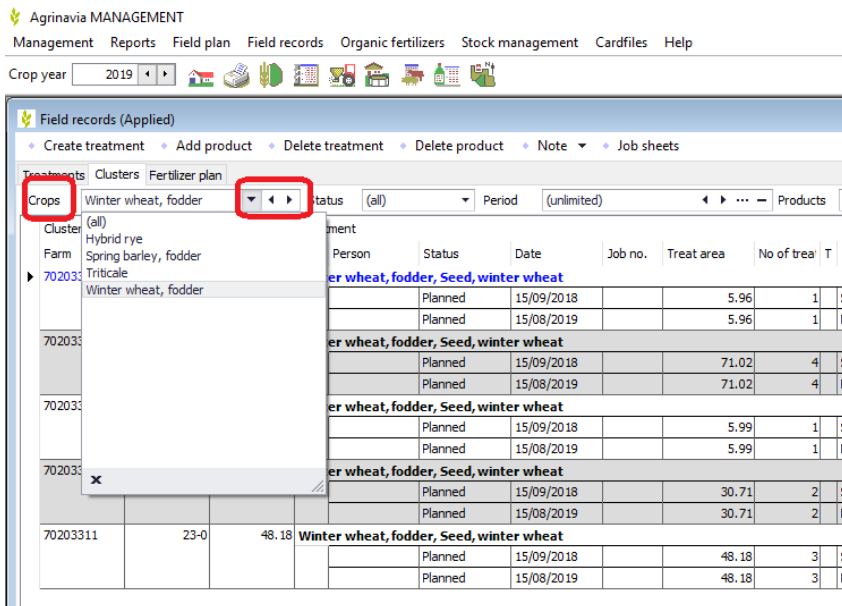
Treatments **Clusters** Fertilizer plan

Crops Spring barley, fodder Status (all) Perio

Clusters	Farm	Cluster	Area	Treatment
	70203311	2-0	41.41	Spring barley, fodder, Seed, spring

The Clusters tab always show all fields/clusters with the same main crop.

You may see fields/clusters belonging to a different crop, by selecting in the dropdown menu or selecting the arrows on the dialog

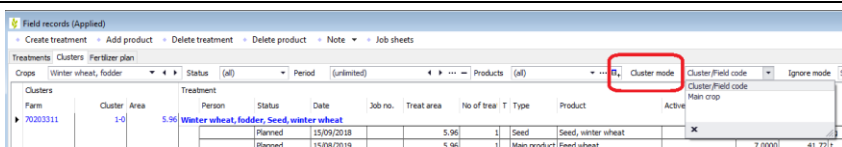


Cluster mode

You can show the treatments on clusters in 2 Cluster modes:

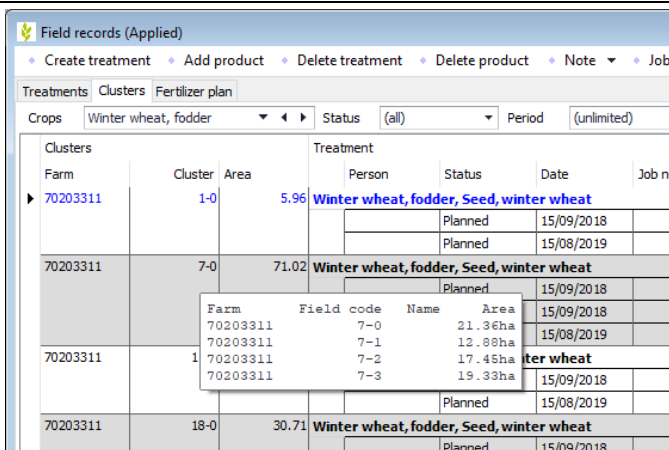
Cluster/Field code: Clusters are created as a combination of fieldcodes and cluster id's. Eg. treatments on fields with a cluster id and the same crop are shown together. Treatments on fields without cluster id is shown as usual.

Main crop: Treatments from all fields with the same maincrop are shown together.



Fields in a cluster

When you point the cursor on a Cluster id the tooltip tells you, which fields are part of the cluster.



Treatments appear together

The column **No of treatments** indicates, how many fields the treatment belongs to. When you point the cursor on a number the tooltip tells you, on which fields the treatment belongs.

Cluster	Area	Person	Status	Date	Job no.	Treat area	No of treat	Type	Product	Active substance
70203311	1-0	5.96	Planned	15/09/2018		5.96	1	Seed	Seed, winter wheat	
70203311	7-0	71.02	Planned	15/09/2018		58.14	3	Seed	Seed, winter wheat	
70203311	11-0	5.99	Planned	15/09/2018		5.99	1	Main product	Feed wheat	

Treatments appear together if they have the same date, status, product and dosage

Other information on the treatment (Person and Job number) appear, if they also are the same. Otherwise the text "More selected" appear.

Create and edit treatments on clusters

The functions on the dialog work like on the Treatments tab.

Cluster	Area	Person	Status	Date	Job no.	Treat area	No of treat	T	Type	Product	Active substance	Vol/ha	Vol. in total
70203311	1-0	5.96	Planned	15/09/2018		5.96	1		Seed	Seed, winter wheat		170.0000	1013.20 kg
70203311	7-0	71.02	Planned	15/08/2019		5.96	1		Main product	Feed wheat		7.0000	41.72 t
70203311	7-0	71.02	Planned	15/09/2018		58.14	3		Seed	Seed, winter wheat		170.0000	885.80 kg
70203311	7-0	71.02	Planned	15/09/2018		13.88	1		Seed	Seed, winter wheat		180.0000	718.40 kg
70203311	11-0	5.99	Planned	01/04/2019		71.02	4		Fertilizer	NPK 4-15-30		0.3400	24.15 t

They just create treatments/add products on all clusters or delete treatment/product on all fields.

If you eg. choose the **Main crop** mode, you may create or edit a spraying plan on all fields with the same crop at once.

Ignore mode

You can change the criteria for unite treatments via the **Ignore mode**.

Eg. if you choose **Ignore date**, treatments appear together if they have the same status, product and dosage

Cluster	Area	Person	Status	Date	Job no.	Treat area	No of treat	T	Type	Product	Active substance	Vol/ha	Vol. in total
70203311	1-0	5.96	Planned	15/09/2018		5.96	1		Seed	Seed, winter wheat		170.0000	1013.20 kg
70203311	7-0	71.02	Planned	15/08/2019		5.96	1		Main product	Feed wheat		7.0000	41.72 t
70203311	7-0	71.02	Planned	15/09/2018		58.14	3		Seed	Seed, winter wheat		170.0000	1073.40 kg
70203311	7-0	71.02	Planned	15/09/2018		13.88	1		Seed	Seed, winter wheat		180.0000	718.40 kg
70203311	11-0	5.99	Planned	01/04/2019		71.02	4		Fertilizer	NPK 4-15-30		0.3400	24.15 t

The Count tab

You may still use the Count tab in the bottom of the dialog to change all treatments shown in the fieldrecords.

Column name	Date	Status	Job sheet	Type	Product	Area	Vol/ha	Vol in total	Price	Certify price	Price in total
Update vol/ha				Main product	Feed wheat	161.86	7.00	1133.02 t		0.00 t	0.00 t
Update vol/ha				Fertilizer	NPK 4-15-30	71.82	0.34	24.15 t		0.00 t	0.00 t
Update vol/ha				Seed	Seed, winter wheat	161.86	0.17	27.52 t		0.00 t	0.00 t

Job sheets

On each treatment on the Clusters tab, you can select the Job number

Farm	Cluster	Area	Treatment	Date	Job no.	Treat area	No of area	Type	Product	Active substance	Vol/ha	Vol in total
70203311	Winter whe...	161.86	Winter wheat, fodder, Seed, winter wheat	15/09/2018	1	161.86	11	Seed	Seed, winter wheat		170.0000	27516.20 kg
			Planned	01/04/2019		(empty)			Fertilizer	NPK 4-15-30	0.3400	24.15 t
			Planned	15/08/2019		Seed, winter wheat			Main product	Feed wheat	7.0000	1133.02 t

Job sheet reports

Job sheets are printed in the **Cluster mode** selected, when opening the job sheet dialog.

Below each treatment is a list of fields with the treatment.

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Job no. 1 **Sowing winter wheat** Crop year 2019

Cluster: Winter wheat, fodder	161.86 ha	Date	15/09/2018		
Winter wheat, fodder, Seed, winter wheat		Stage:			
		Treated area:	161.86		
Planned	Vol/ha	Vol/tank	Per 100 l	Total	Executed in all
Liters of water	l/ha				
Seed, winter wheat	0.170 t			27.52	
Ha per X l water	:	Tank fulls in total	:		
<i>Fields for treatment:</i> 1-0, 7-0, 7-1, 7-2, 7-3, 11-0, 18-0, 18-1, 23-0, 23-1, 23-2					
Total quantities.	Planned Total			Executed in all	
Treated area in total	161.86 Ha				
Tank fulls in total	0.00				
Water total	0.00 l				
Seed, winter wheat	27.516 t				

Mark the checkbox **Show details** on the Job sheets dialog to show a table with fields instead.

Job sheet	Job no	Name	Group	Status	Report	Assigned to	Made by	Dates	Areas	Spraying Information	Show details
1	Sowing winter wheat			Planned	Spraying sheet			01/04/2019	161.86	0.00	<input checked="" type="checkbox"/>

A table with fields is shown, and it is possible to make notes for the individual field

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Job no. 1 Sowing winter wheat Crop year 2019

Cluster: Winter wheat, fodder 161.86 ha		Date	15/09/2018		
Winter wheat, fodder, Seed, winter wheat		Stage:			
		Treated area:	161.86		
Planned	Vol/ha	Vol/tank	Per 100 l	Total	Executed in all
Liters of water	l/ha				
Seed, winter wheat	0.170 t			27.52	

Ha per X l water : Tank fills in total :

Fields for treatment:

Farm	Field code	Field name	Area	Treat Area	Tank fulls	Treated ar	Comment	Signature
7020	1-0		5.96	5.96				
7020	7-0		21.36	21.36				
7020	7-1		12.88	12.88				
7020	7-2		17.45	17.45				
7020	7-3		19.33	19.33				
7020	11-0		5.99	5.99				
7020	18-0		25.71	25.71				
7020	18-1		5.00	5.00				
7020	23-0		23.66	23.66				
7020	23-1		14.22	14.22				
7020	23-2		10.30	10.30				

Total quantities.	Planned Total	Executed in all
Treated area in total	161.86 Ha	
Tank fulls in total	0.00	
Water total	0.00 l	
Seed, winter wheat	27.516 t	