



FOCUS

by  TELUS®

SNOW+ MODULE

V 1.2 (June 2023)

<https://app.focusoptimization.com>

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REPORT

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LOGIN

Welcome to the FOCUS platform!


Focus management would like to emphasize that while this guide is intended to be as exhaustive as possible, it is not a substitute for a training session complete with explanations from our training team. It is intended as a first line of assistance and as a reference guide to be used following the initial training session.


An internet connection is necessary for accessing the FOCUS portal. The FOCUS web application is optimized for Chrome, Firefox, Edge, and Safari browsers and is thus is accessible via any device equipped with these applications. In the search bar, type:


app.focusoptimization.com

This link will permit you to access the application’s landing page:



Type your company number in the field  (company) **1**. This number is assigned to you by FOCUS and is unique to your organization.

Type your username in the field  (user) **2**.

Type your password in the field  (password) **3**.

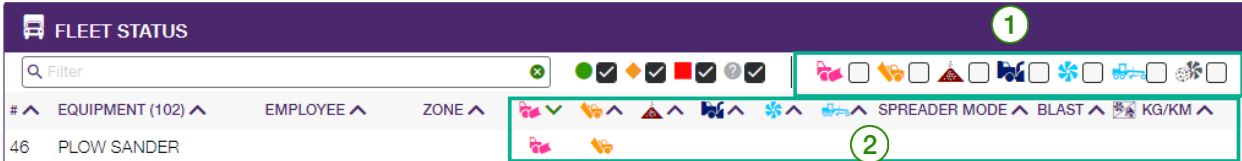
Then click “ENTER” to access your Fleet page.



FLEET STATUS

The "Snow +" option tracks snow removal operations such as shovel, side wing and spreader activation. Four reports are also available.

With Snow+ module, **the fleet page** will display icons for tracking different spreading functions.



The first section **1** allows the user to filter the page according to the different functions available.

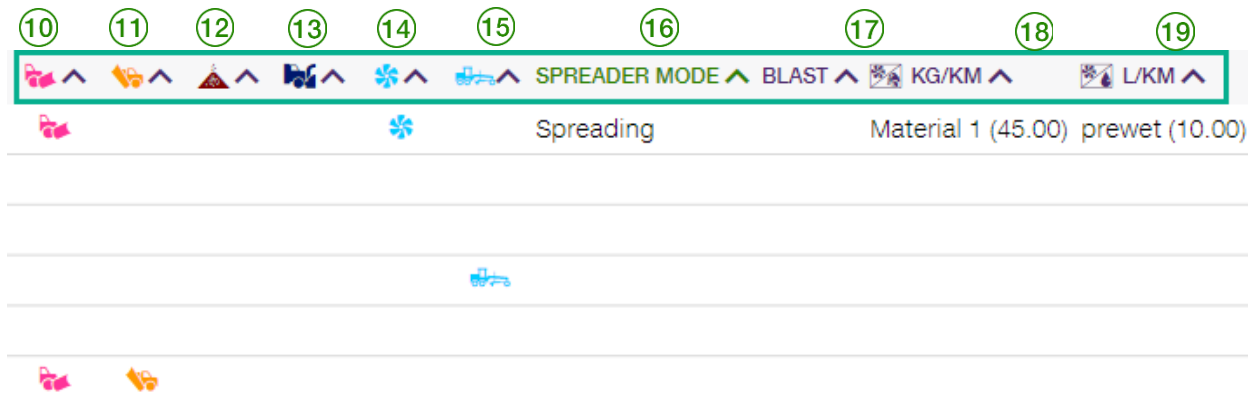


The fleet page will filter information according to the function(s) selected.

ID	SECTION/COLUMN	DESCRIPTION
3	Front plow	When the front plow is lowered.
4	Side wing	When the side (plow) wing is lowered.
5	Salt	Some vehicles are equipped with a salt box with a simple ON/OFF mode. This option displays the current status.
6	Blower	When the blower is activated.
7	Automatic spreader	Certain vehicles are equipped with a spreader control. This option displays the current status.
8	Moldboard	When the underbody wing is lowered.
9	Spreader mode	Displays the spreader mode currently activated.



2 The second section displays the status of the different functions in real time. The pictogram of the corresponding function displays on its row when it is activated.



ID	SECTION/COLUMN	DESCRIPTION
10	Front plow	When the front plow is lowered.
11	Side wing	When the side (plow) wing is lowered.
12	Salt	Some vehicles are equipped with a salt box with a simple ON/OFF mode. This option displays the current status.
13	Blower	When the blower is activated.
14	Automatic spreader	Certain vehicles are equipped with a spreader control. This option displays the current status.
15	Moldboard	When the underbody wing is lowered.
16	Spreader mode	Displays the spreader mode currently activated.
17	Blast	Momentarily displays the blasts effected.
18	KG/KM	Rate currently selected on the spreader in the vehicle.
19	L/KM	Rate currently selected on the spreader in the vehicle.


As a general rule, the information received from spreaders varies according to type, brand, model, and year. FOCUS displays all of the available information that is sent from the various spreader models. If certain information is not displayed, contact your spreader vendor.

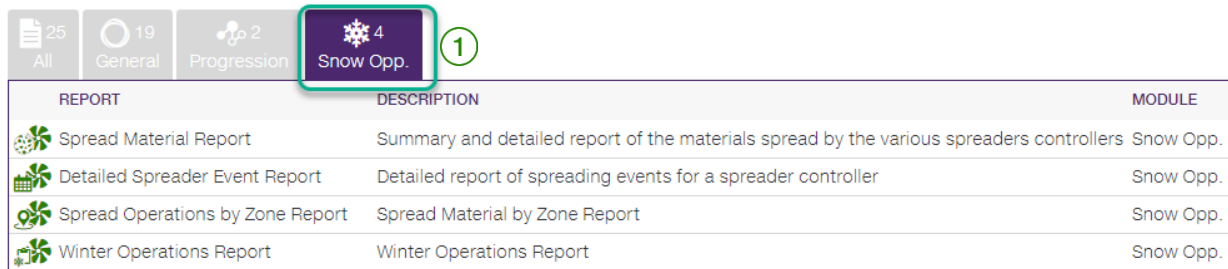


REPORTS

ACCESSING REPORTS

This section aims to provide a general overview of snow management reports, and provides a basic level of detail. For more detail, please contact our customer service team.

Selecting the  tab displays the following page:



REPORT	DESCRIPTION	MODULE
Spread Material Report	Summary and detailed report of the materials spread by the various spreaders controllers	Snow Opp.
Detailed Spreader Event Report	Detailed report of spreading events for a spreader controller	Snow Opp.
Spread Operations by Zone Report	Spread Material by Zone Report	Snow Opp.
Winter Operations Report	Winter Operations Report	Snow Opp.

The report tab has multiple sections. Select "Snow Management" 1.

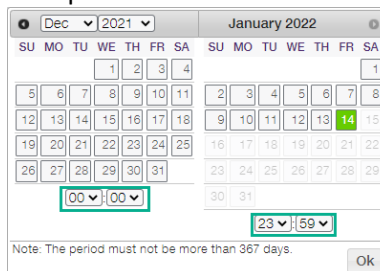
Click on the desired report to display detailed information.

General parameters of reports:

- All reports are printable or exportable in CSV format in order to permit editing in Excel.



- Reports are available for variable periods, depending on the volume of information. Some reports cover a period of 365 days, other cover a single day.
- It is possible to set periods with specific hours.





SPREAD MATERIAL REPORT

Purpose of the report:

To display totals of the material spread, as well as average rates or totals for a given period.

Select the desired period as well as one or all of the equipment. In order to determine the period covered by the report, click on the calendar icon and select (highlighting in green) the desired days.

You can also select a specific type of material 1.

To select a specific piece of equipment choose it from the drop-down menu of the Equipment field 2.

NOTE: The current date will always be shown by default. The period selected cannot exceed 367 days. The option "All" will be selected by default.

Click on "Display".

Spread Material Report
from 2022-01-01 to 2022-01-14
Equipment: All
Material: All

3 material 1 salt prewet

4 Maximum spreading rate 5 event(s)

EQUIPMENT	MATERIAL 1					SALT					PREWET											
	TOTAL DURATION	T	KM	AVERAGE RATE	MAX (KG/KM)	TOTAL DURATION	T	KM	AVERAGE RATE	MAX (KG/KM)	TOTAL DURATION	L	KM	AVERAGE RATE	MAX (L/KM)	\$						
11, PLOW SANDER	0h02	0.00	0.00	0.00	1598.00	0.00										0.00						
26, PLOW SANDER						36h38	17.09	2155.35	287.82	860.00	1709.00	0h36	1.00	26.45	10.00	10.00	0.00					
41, PLOW SANDER	60h15	308.33	2239.83	74.82	1600.00	0.00					5h14	13.00	175.01	11.96	25.00	0.00						
47, PLOW SANDER						0.00										0.00						
80, PLOW SANDER	17h34	15.57	454.75	831.21	1600.00	0.00					0h00	0.00	0.04	10.00	10.00	0.00						
81, PLOW SANDER	46h30	286.03	1406.53	1067.41	1800.00	0.00										0.00						
	124h23	609.93	4101.12	499.11	1800.00	0.00					36h38	17.09	2155.35	287.82	860.00	1709.00	5h51	14.00	201.50	11.70	25.00	0.00

5 (points to MAX (KG/KM) column)

The report can be filtered by material type. Select the material(s) desired 3.

You can specify a maximum spread rate 4 which will enable you to quickly detect excess rates 5.



Each type of material has its own column with spread totals: duration, tonnage, distance, average and maximum spread rates. If a price per tonne is entered, the total will be displayed in the “\$” column.

The report will show the following information:

Maximum spreading rate 7 event(s)

EQUIPMENT	MATERIAL 1 <input type="text" value="0"/> \$ / T					
	TOTAL DURATION	T	KM	AVERAGE RATE	MAX (KG/KM)	\$
11, PLOW SANDER	0h02	0.00	0.00	0.00	1598.00	0.00
26, PLOW SANDER						0.00
41, PLOW SANDER	60h20	308.54	2246.52	74.73	1600.00	0.00
47, PLOW SANDER						0.00
80, PLOW SANDER	17h34	15.57	454.75	831.21	1600.00	0.00
81, PLOW SANDER	46h30	286.03	1406.53	1067.41	1800.00	0.00
	124h27	610.14	4107.80	498.38	1800.00	0.00

Results are presented for each vehicle on a different line **1**.

You can obtain activity details for a vehicle by clicking on the shortcut **2**.

The section on the right shows details for each vehicle.
The following columns are supplied for the period specified:

- 3** Duration: total use time for the equipment.
- 4** T: Number of tonnes spread
- 5** KM: Total distance covered
- 6** \$/T: You can enter the price per tonne in order to obtain an estimate of the expenses incurred.
- 7** Average Rate: Average rate of spreading.
- 8** Max (Kg/Km): Highest spread rate attained.
- 9** \$: Total cost per vehicle (Kg total x \$/t)

When a detailed report **2** (preceding screenshot) is requested, the following is displayed:




Operations Details
 from 2022-01-01 to 2022-01-14
 Equipment: 41, PLOW SANDER

DATE	CURRENT MATERIAL	TOTAL DURATION	QUANTITY	DISTANCE TRAVELED KM	AVERAGE RATE	MAX	BLAST	\$
2022-01-05 (Wednesday)	material 1	10h13	33.03	508.36	64.64	100.00		10.00
2022-01-06 (Thursday)	material 1	8h32	103.92	366.13	44.75	100.00		0.00
2022-01-07 (Friday)	material 1	9h08	35.77	370.25	48.84	55.00		0.00
2022-01-09 (Sunday)	material 1	8h28	35.25	383.34	40.44	100.00		0.00
2022-01-10 (Monday)	material 1	7h51	32.79	245.68	40.00	45.00		0.00
2022-01-11 (Tuesday)	material 1	0h00	0.00	0.00	0.00	0.00	1	0.00
2022-01-11 (Tuesday)	dla	0h00	0.00	0.00	0.00	0.00	1	0.00
2022-01-12 (Wednesday)	material 1	4h48	46.40	195.59	344.49	1600.00		0.00
2022-01-13 (Thursday)	material 1	4h37	0.00	1.28	40.00	1600.00		0.00
2022-01-14 (Friday)	prewet	5h20	13.00	182.35	11.88	25.00		0.00
2022-01-14 (Friday)	material 1	6h40	21.44	176.56	44.32	75.00		0.00
Total								0.00

The report provides information organized by day, and by type of material.

Subsequently, you access details using the link to the report “Detailed Spreader Event” ¹⁰. See the report “**DETAILED SPREADER EVENT REPORT**” for more details.

The detailed route of the vehicle is also accessible via the  button ¹¹.



DETAILED SPREADER EVENT REPORT

Purpose of the report: to display the details of all spreader events, by controller.

1
2
DETAILED SPREADER EVENT REPORT

Date 2022-01-01 00:00 | 2022-01-14 23:59

Equipment 41, PLOW SANDER

Display

MATERIAL 1 DLA PREWET

Maximum spreading rate: 3 event(s)

2022-01-01 to 2022-01-14 - 41, PLOW SANDER

START	END	DURATION	KM	MODE	MATERIAL 1			DLA			PREWET			BLAST			
					DURATION T	KM	RATE	DURATION L	KM	RATE	DURATION L	KM	RATE				
2022-01-05 09:00:45	09:00:50	00:00:05	0.000	Paused	00:00:00	0.000	0.000	0.00	00:00:00	0.000	0.000	0.00	00:00:00	0.000	0.000	0.00	0
2022-01-05 09:00:50	09:03:31	00:02:41	0.161	Spreading	00:02:41	0.009	0.161	30.00	00:00:00	0.000	0.000	0.00	00:00:00	0.000	0.000	0.00	0
2022-01-05 09:03:31	09:03:47	00:00:16	0.161	Spreading	00:00:16	0.207	0.161	30.00	00:00:00	0.000	0.000	0.00	00:00:00	0.000	0.000	0.00	0
2022-01-05 09:03:47	09:04:09	00:00:22	0.000	Spreading	00:00:22	0.054	0.000	30.00	00:00:00	0.000	0.000	0.00	00:00:00	0.000	0.000	0.00	0
2022-01-05 09:04:09	09:04:19	00:00:10	0.161	Spreading	00:00:10	0.000	0.161	30.00	00:00:00	0.000	0.000	0.00	00:00:00	0.000	0.000	0.00	0
2022-01-05 09:04:19	09:14:46	00:10:27	7.886	Spreading	00:10:27	0.070	7.886	60.00	00:00:00	0.000	0.000	0.00	00:00:00	0.000	0.000	0.00	0

In order to determine the period covered by the report, click on the calendar icon 1 and select (by highlighting) the desired days.

Note: the current date will be shown by default. The period covered cannot exceed 31 days.

You must select a specific vehicle; make your selection in the drop-down menu 2.



SPREAD OPERATIONS BY ZONE

Purpose of the report: to display detailed information regarding the material spread, by zone. (The zones must already have been created in order for this report to generate).

To define the period covered by the report, click on the calendar icon (1) and select (by highlighting) the desired days.

Note: the current date will be shown by default. The period covered in the report cannot exceed 35 days.

To select a piece of equipment, make your selection in the drop-down menu of the Equipment field (2).

Note: All equipment is selected by default.

Click on “Display” to obtain the following:

Spread Operations by Zone Report

Spread Operations by Zone Report
 from 2022-01-01 to 2022-01-14
 Equipment: All
 Material: All
 Zone: All zones

material 1 salt prewet

ZONE	MATERIAL	0 \$ / T				SALT				PREWET						
		TOTAL DURATION	T	KM	AVERAGE RATE	TOTAL DURATION	T	KM	AVERAGE RATE	TOTAL DURATION	L	KM	AVERAGE RATE			
Entire City		124h40	637.01	4123.27	496.66	0.00	36h38	17.09	2155.35	287.82	0.00	6h08	14.00	223.65	11.53	0.00
P3-18		6h00	37.65	237.77	526.44	0.00										
		130h40	674.66	4361.04	498.28	0.00	36h38	17.09	2155.35	287.82	0.00	6h08	14.00	223.65	11.53	0.00

The results are displayed by zone, each on a different line (3).

The section on the right displays details by vehicle

The following columns are available for the selected timeframe:

(5) Duration: Total use-time for the material.



- ⑥ T: Number of tonnes spread.
- ⑦ KM: Total distance covered.
- ⑧ \$/T: You can enter the price per tonne in order to obtain an estimate of the expenses incurred.
- ⑨ Average rate: Average spread rate.
- ⑩ \$: Total cost by vehicle (total Kg x \$/t)

You can obtain activity details for a vehicle by clicking on the corresponding shortcut ④.

ZONE	MATERIAL 1 <input type="text" value="0"/> \$ / T					SALT <input type="text" value="0"/> \$ / T					PREWET <input type="text" value="0"/> \$ / L				
	TOTAL DURATION	T	KM	AVERAGE RATE	\$	TOTAL DURATION	T	KM	AVERAGE RATE	\$	TOTAL DURATION	L	KM	AVERAGE RATE	\$
Entire City	133h12	692.58	5187.55	595.21	0.00	36h38	17.09	2155.35	287.82	0.00	11h25	31.00	417.23	10.82	0.00
P3-18	6h03	37.69	239.95	522.20	0.00					0.00					0.00
	139h15	730.26	5427.50	591.98	0.00	36h38	17.09	2155.35	287.82	0.00	11h25	31.00	417.23	10.82	0.00

Operations Details

from 2022-01-01 to 2022-01-14
Zone: Entire City

material 1 salt prewet

EQUIPMENT	MATERIAL 1					SALT					PREWET				
	TOTAL DURATION	T	KM	AVERAGE RATE	\$	TOTAL DURATION	T	KM	AVERAGE RATE	\$	TOTAL DURATION	L	KM	AVERAGE RATE	\$
11, PLOW SANDER	0h02	0.00	220.30	1598.00	0.00					0.00					0.00
26, PLOW SANDER					0.00	36h38	17.09	2155.35	287.82	0.00	0h36	1.00	26.45	10.00	0.00
41, PLOW SANDER	69h05	366.26	2544.58	71.77	0.00					0.00	10h49	30.00	390.74	10.88	0.00
47, PLOW SANDER					0.00					0.00					0.00
80, PLOW SANDER	17h34	40.01	454.75	831.21	0.00					0.00	0h00	0.00	0.04	10.00	0.00
81, PLOW SANDER	46h30	286.31	1967.93	1105.24	0.00					0.00					0.00
	133h12	692.58	5187.55	595.21	0.00	36h38	17.09	2155.35	287.82	0.00	11h25	31.00	417.23	10.82	0.00

The report also displays results grouped by zone. The zone groupings must previously have been created.



WINTER OPERATIONS REPORT

Purpose of the Report: display the details of snow removal, spreading, and transit time per piece of equipment.

The screenshot shows the 'WINTER OPERATIONS REPORT' interface. Callout 1 points to the date selection field, and callout 2 points to the 'Display' button. The report displays a table of operations with columns for equipment, start/end times, and various performance metrics.

EQUIPMENT	START	END	TOTAL		FLOWING		SPREADING		TRANSIT		MATERIAL 1		SALT		PREWET		AVERAGE RATE						
			KM	DURATION	KM	DURATION	KM	DURATION	KM	DURATION	DURATION T	KM	AVERAGE RATE	DURATION T	KM	AVERAGE RATE	DURATION L	KM	AVERAGE RATE	GRANULAR	LIQUID	PREWET	
11, FLOW SANDER	2022-01-13 11:42	2022-01-15 09:21	220.35	22:52:56	104.15	08:34:43	220.30	00:11:54	116.20	14:08:16	00:11:54	0.68	220.30	1598.00	00:00:00	0.00	0.00	00:00:00	0.00	0.00	1598.00	0.00	0.00

To determine the period covered by the report, click on the calendar icon **1** and select (by highlighting) the desired days.

Note: yesterday's date will be shown by default. The period selected cannot exceed 31 days.

By default, this report generates information for all vehicles however you can select a single piece of equipment at a time **2**. Once the desired options have been selected, click on "Display".

This screenshot shows the same report interface with callouts 3 through 10. Callout 3 points to the 'Operations Summary' filter, 4 to the date range, 5 to the 'Equipment' dropdown, 6 to the 'Display' button, 7 to the 'Display' button, 8 to the 'Display' button, 9 to the 'Display' button, and 10 to the 'Display' button.



ID	SECTION/COLUMN	DESCRIPTION
3	Equipment	Number and name of the vehicle
4	Start / End	Date and time of beginning and end of operations.
5	Total	Total distance covered as well as total time.
6	Plowing	Total distance covered as well as the total time of plowing activity.
7	Spreading	Total distance covered as well as the total time of spreading activity.
8	Transit	Total distance covered as well as the total time without snow removal or spreading activity.
9	Abrasive	Displays the type of material used. The report can display multiple types.
10	Average rate	Average per type of material.



HELP

USER GUIDE



Click on the icon, to display the following:

USER GUIDE - SNOW+ MODULE
1

CONTACT US

If you have any questions, comments or suggestions, please contact us at 1-800-670-7220.

Send us a message

Name	<input style="width: 90%;" type="text"/>
Phone	<input style="width: 90%;" type="text"/>
Email address	<input style="width: 90%;" type="text"/>
Questions or comments	<div style="border: 1px solid #ccc; height: 40px; width: 95%;"></div>

1000 character(s) remaining.

Send

Clicking on 1 opens another page with the online user guide. The document will remain open as long as that window is open.



CONTACT SECTION

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✍️ CONTACT US

If you have any questions, comments or suggestions, please contact us at 1-800-670-7220.

Send us a message 1

Name

Phone

Email address

Questions or comments

1000 character(s) remaining.

Send

Enter information in the appropriate fields to get in touch with customer service 1.

Once done, click on “ Send ”.