



This is an accumulated description of changes made to GreenPlan recently, which are all contained in version 1.46.

The new functions and facilities are mostly developed on basis of wishes from current users.

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**GreenPlan Access control** is now possible. You can now add user names and give them access to limited parts of the program. The effect is double: Security reasons and easy overview for additional users.

If you often use the start report, you will find it in a new place – **the production menu** among other production related things. Here you also find the **activity list** that you might find attractive to use, with your own lay-out. **Production status** is also a new overview possibility placed in the production menu that might be helpful if you filter out just what you need.

“**Special price for you**” is not only for tourist but also for your costumers. It makes it possible for your to add the exact price for big orders, so your budget will be more precise. You will find the input field in the planning file form.

Easy **calculation of area in a department**. It is now possible to generate the total m<sup>2</sup> in a department based on the greenhouses in the department. You find the “select houses” in the department input section.

Other minor add-ins might be very important if you have the need: Change of **date formate** or change to **German language**.

And last but not least we can mention a new function for the nerds: You can **export data** and use it in spread sheets like excel or in databases. This way you can solve the need of special overviews or special integration needs that you don't find as standard in GreenPlan.

Take a look in the following text and screen shots, if you want to learn more.



## Users and access control

A new feature is added under "Files", so it is now possible to add users and give them access to limited parts of the program. The users can be assigned to one of five different roles. The five roles are:

- Administrators: have access to everything
- Super Users: have access to everything except to edit roles.
- Planners: trusted persons, there must do everything that is not related to system administration.
- Sales: They have limited access to what has to do with sales.
- Operators: They have limited access to practical operational reports and registration images (if available).

Each user is added with a number, name, initials, role, user name and password by the administrator.

Click on Access control to activate or deactivate access control. It is only administrators that can do this.

No.	Name	Initials	Role	User name	Password
1	Charlotte	CH	Administrator	Charlotte	XXXX
2	Nikolaj	NB	Operator	Nikolaj	XXXX
3	Jens	JJ	Planner	Jens	XXXX
4	Ole	OB	Sale	Ole	XXXX

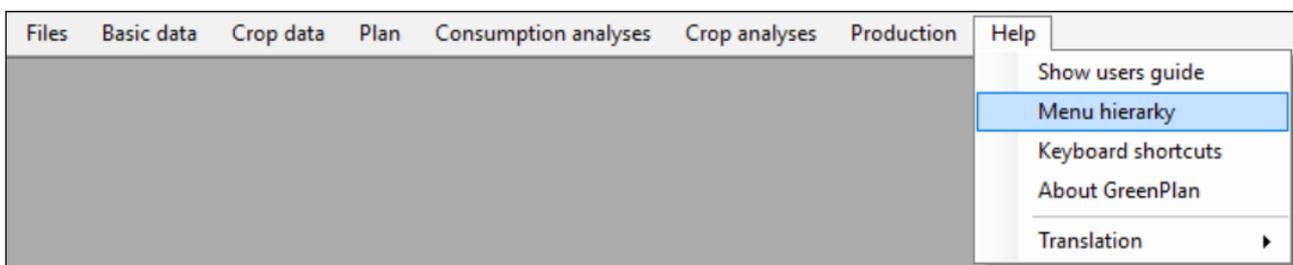
Login

Login name:

Password:

OK Cancel

After activating the access control, there will be a login window, when opening the program. Under "Help" and "Menu Hierarchy" it is possible to see which part of the program each role has access to. This is possible when the access control has been activated.

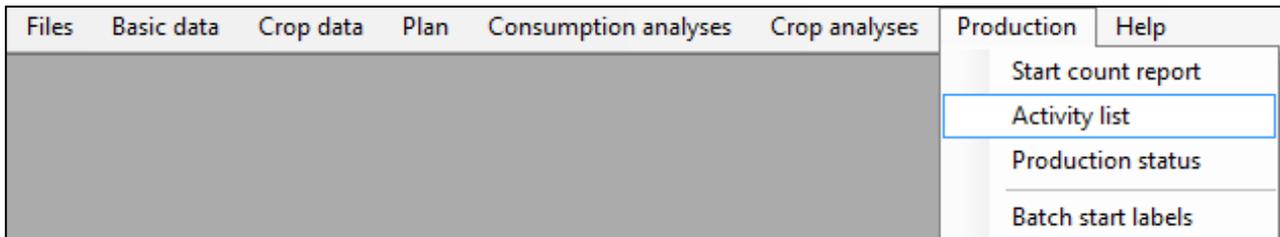


If forgetting the administrator password, help can be acquired by contacting HortiAdvice.



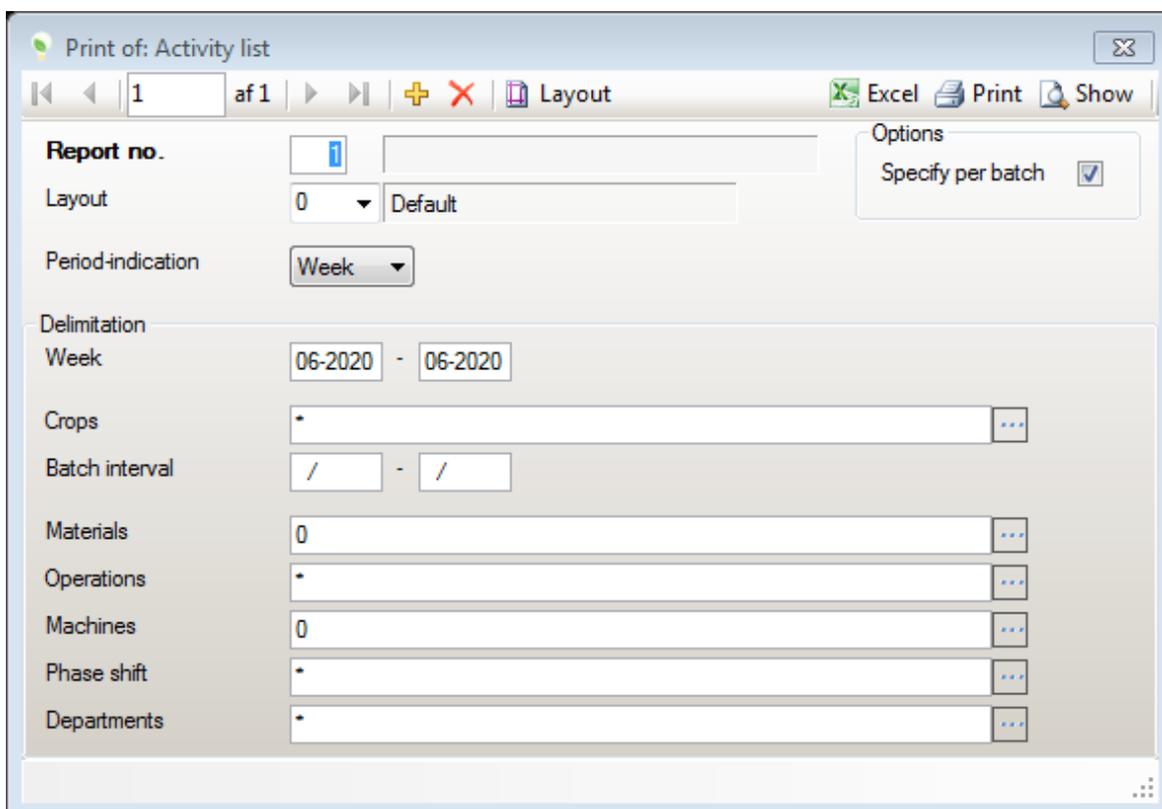
## Production-menu

“Production” is a new main menu item that has been added. Under this menu is reports collected, which have something to do with the production. Start account report and Batch start labels have been moved to this menu and two new reports have been added: Activity list and Production status.



## Activity list

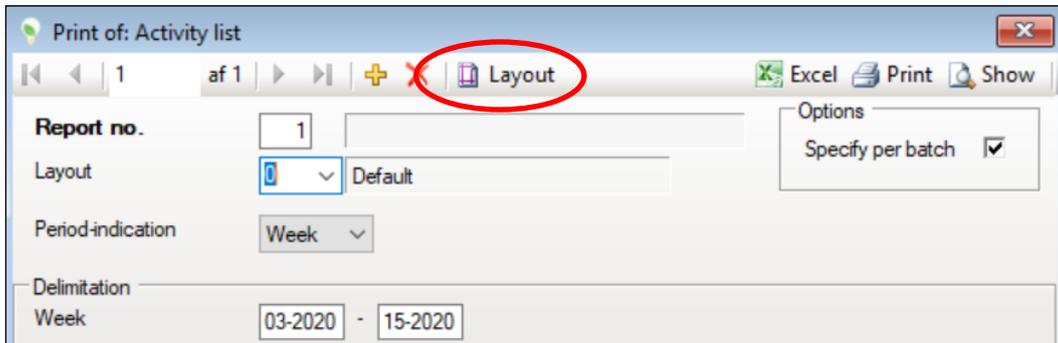
“Activity list” is a purely operational feature. It is a multipurpose feature that will output various data depending of what you need.



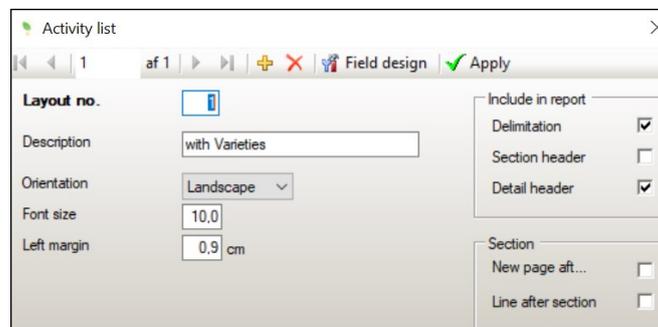
In the above example the focus is on the workload in week 6, 2020. To filter other things out, a 0 (zero) has been entered in the fields for materials and machines. In this way it is possible to extract precisely the operational data relevant to the task you need.



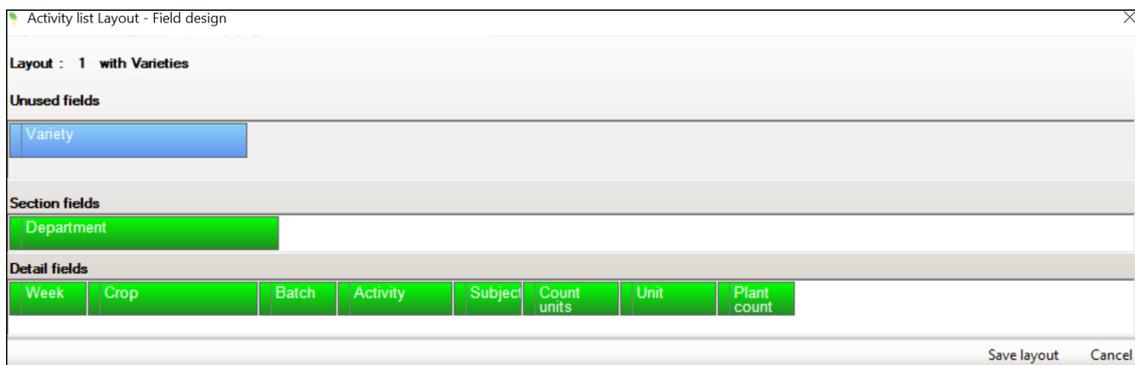
In layout of the activity list it is possible to add varieties, if this is relevant. Click on the layout field.



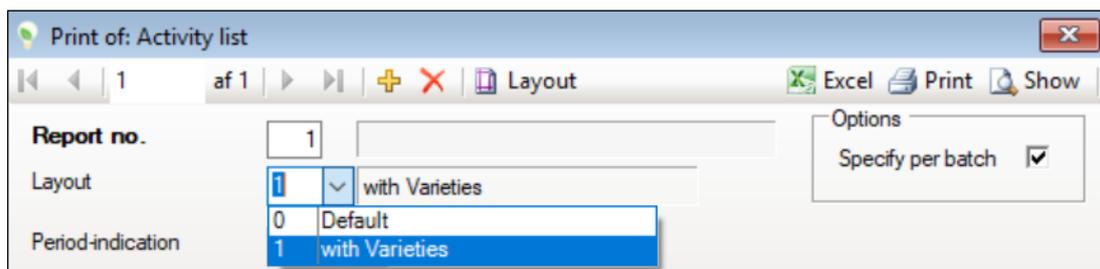
Add a new layout and enter a new layout no. and description.



Click on Field design and drag the Variety field down into the bottom line. Save the layout and then Apply.



Choose the new layout and see the new layout in excel or preview, when you are printing.



In every Print window, which have a layout field, is it possible to customize the prints.



## Production status

The report “Production status” gives an overview over how many plants there are in the production and where they pretend to stay on the selected stock taking date. It is possible to filter on crops, phases and departments.

## Special price in planning file

A new field has been introduced in the planning file; “Special price”.

This field overrules any price settings for the current crop and applies to both A-quality and B-quality goods. The intention with this field is to make it possible to enter production that has been negotiated and agreed upon. Selling prices for such contract productions may not be well aligned with expected prices from the normal free trade. The “Remark” field next to it can be used for indicating, why the selling price is overruled for the current planning line.

It is recommended to use this facility for large orders only. If all minor orders are put in with their individual prices, the planning file will become a mess, and the overall picture may be lost due to too much detailed information.

Dependent on your setup you can see the field directly in the right side of the planning file form, or you may have to switch to the “Miscellaneous” tab to access it.

Part	Sales count	Recipe	Profit margin Plant	Year-m <sup>2</sup>	Status	Special price	Remark
3560	3454	1 Standard re...	0,217	53			
4123	4000	1 Standard re...	0,226	55		1,000	Sold to compagny A
5154	5000	1 Standard re...	0,323	79		1,100	Sold to compagny A
3608	3500	1 Standard re...	0,438	107		1,200	Sold to compagny C
4272	4145	1 Standard re...	0,235	57			
4984	4835	1 Standard re...	0,235	57			

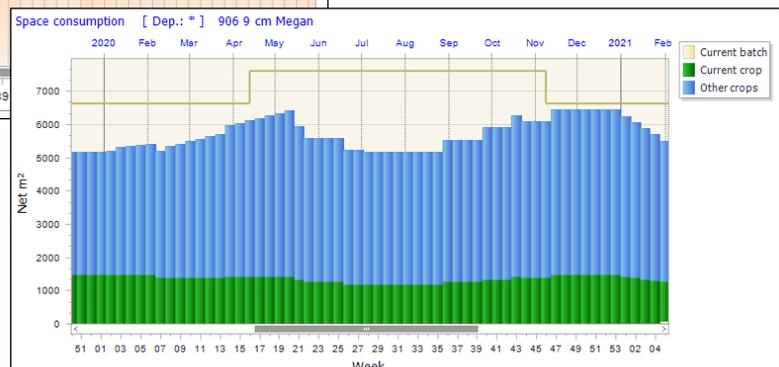
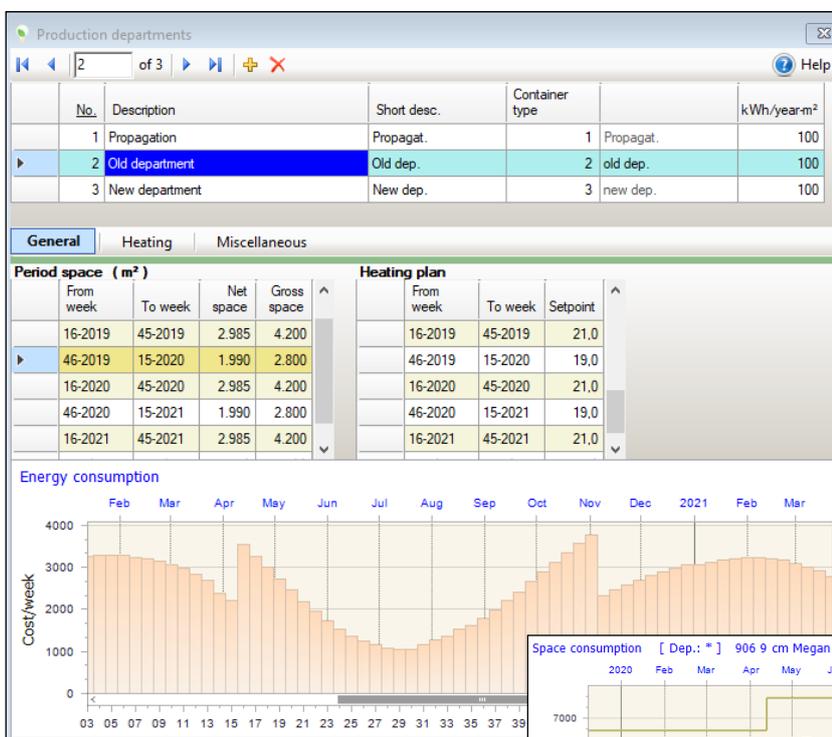


## Calculation space in departments on basis of houses.

The available space in a department may vary over time. This can be due to a many factor as e.g. installation of space consuming machinery or adding/removing houses.

The later can be coped with in a new function in the production department file: "Select houses in the space period - [Shift]-[F5]".

In the below example a department consisting of old houses does not include all houses in the winter season. One house is taken out of production to reduce energy consumption. The available space is thus changing repeatedly every year.



The easy way to enter the available space without calculating anything yourself, is to look up which houses are participating in the department in the current period.

Select houses			
No.	Description	Net space	Gross space
1	Propagation	1071	1617
11	House 1 old department	995	1400
12	House 2 old department	995	1400
13	House 3 old dep. (summer)	995	1400
21	New house	3551	4688

When the appropriate set of houses has been selected, click "OK" and the accumulated spaces for the houses are put in and saved.

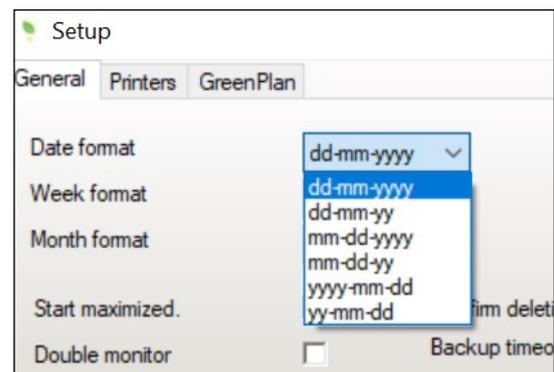


To achieve this, the house file has been extended with fields for both net space and gross space. Net space is needed for calculating the production space, and the gross space is needed for calculating the space to be heated.

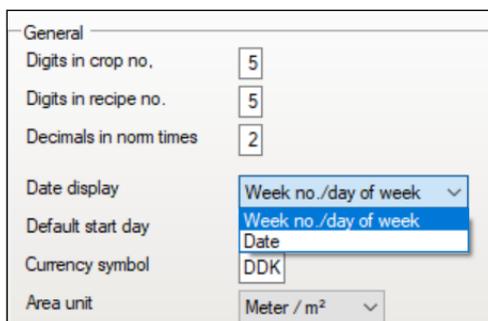
No.	Description	Short desc.	Net space	Gross space	Department	
1	Propagation	Propagat.	1071	1617	1	Propagat.
11	House 1 old department	House 1	995	1400	2	Old dep.
12	House 2 old department	House 2	995	1400	2	Old dep.
13	House 3 old dep. (summer)	House 3	995	1400	2	Old dep.
21	New house	New house	3551	4688	3	New dep.

## Date format

This is just a minor addition which now allows you to choose from several different date formats depending on which is preferred. It is possible to choose whether the year should be displayed with 2 or 4 numbers and whether the date, month or year should be first.



## Date display



Another addition that has been made is under Date display in the Basis file -> Nursery -> Setup. It is now possible to choose how the dates is display in for example in the planning file. Select either "Week no./ day of week" or "Exact Date".

## German Translation

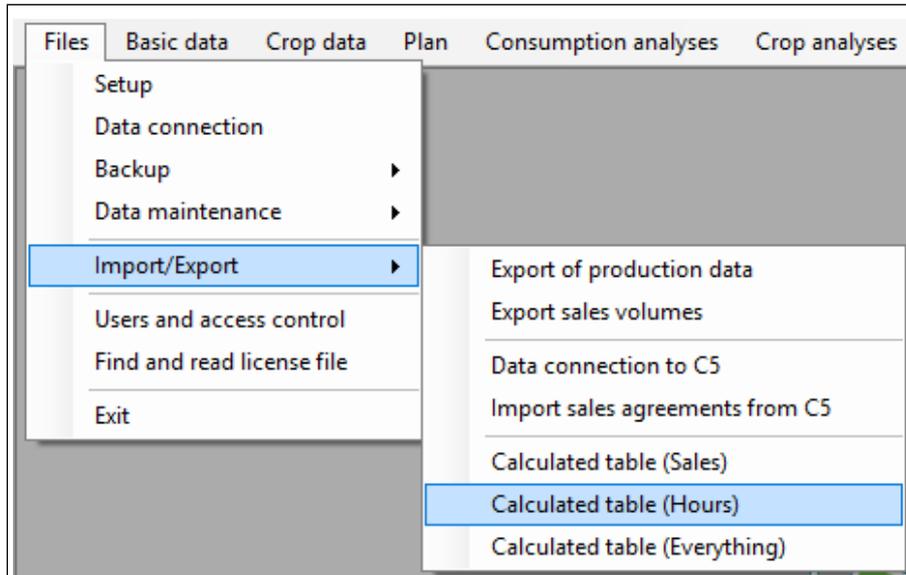
The program is now translated into German too, so under Language in Files-> setup is it now possible to select between Danish, English, Nederlands and German. If another language is need it is possible to make a self-translation to Norwegian, Swedish, French, Spanish or Chinese under Help -> Translation.



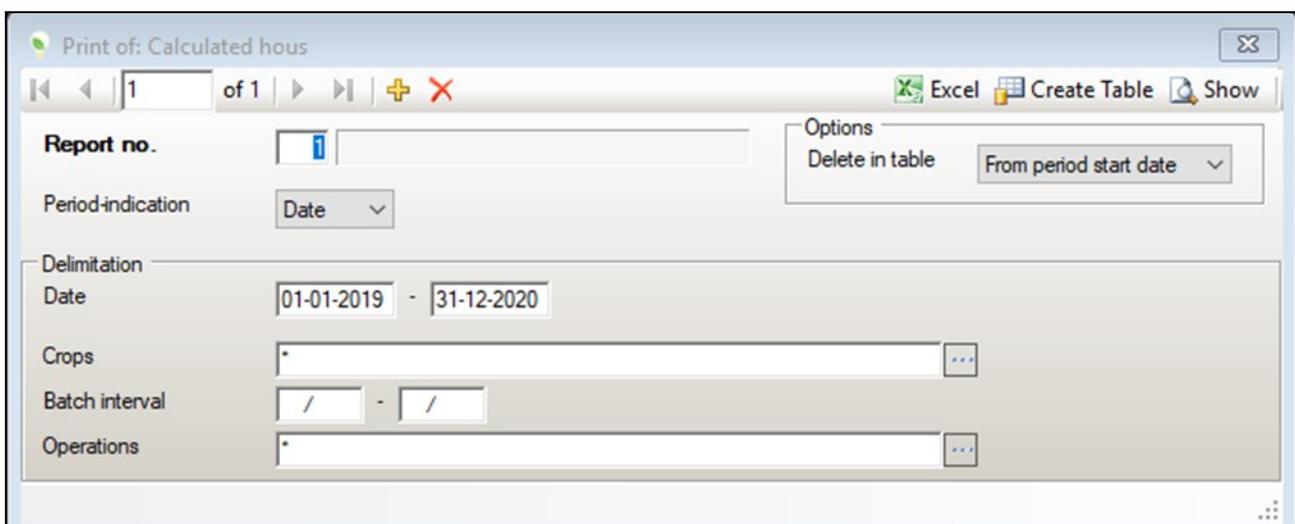
## Export of data:

Under [Files] + [Import/Export] there are now 3 menu items creating calculated tables. The first is targeting sales specifically, the second is targeting workload (hours) and the third includes everything there have with economy to do. And by “everything” is meant EVERYTHING.

In the following “Calculated table (Hours)” is used as an example:

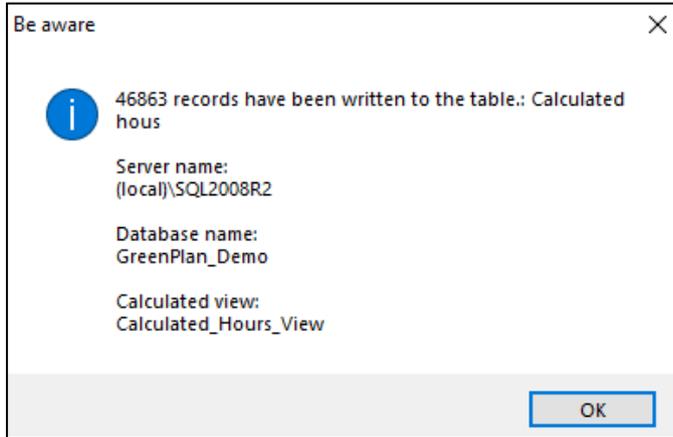


Select “Create table” and the result of the calculation ends up in a table designed for exactly that in the database.





When the calculation and the transfer to the calculated table has finished, you will get a notification like this:

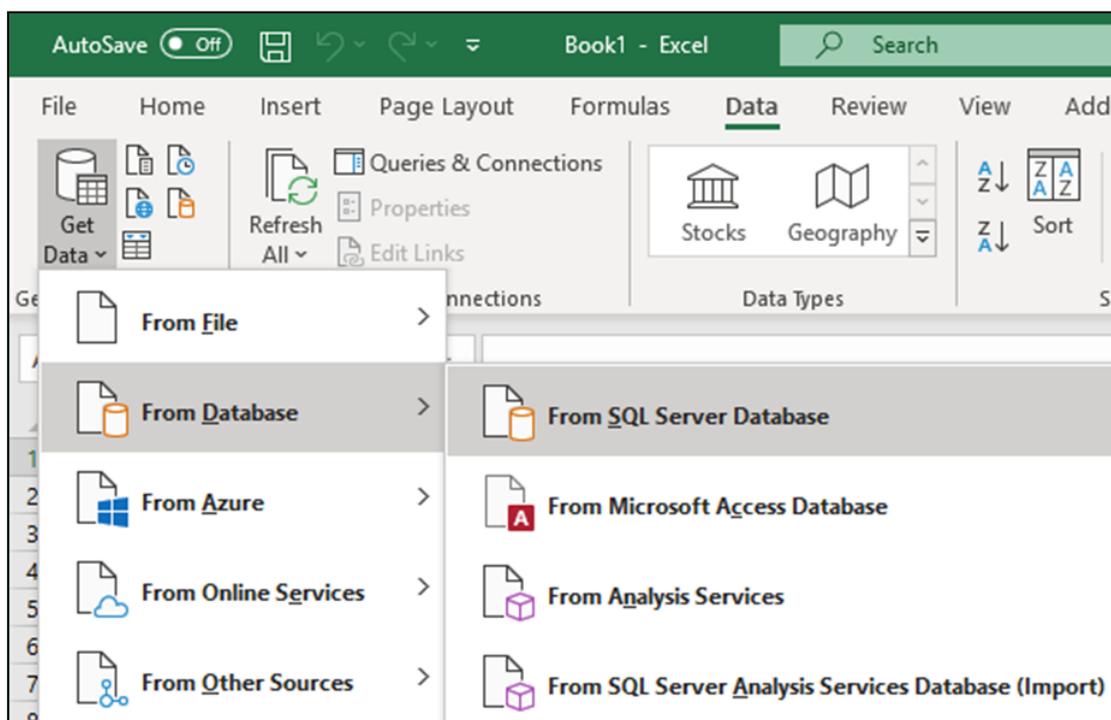


In this notification you get all the information that you will need later: Server name, Database name and the name of the table/view containing the resulting data. Furthermore, you can also see the number of resulting records. In this example this number is quite high as the calculation is made by date. If made by week or even by month the resulting number of records will be significantly lower due to accumulation.

Data are now ready to be processed by any other system. These systems will be blissfully unaware of how GreenPlan calculates. It is the result of the calculations that is presented.

If you e. g. want to read in data into a spreadsheet and here form a pivot table, it is done like this using Excel:

Open Excel and initiate a new blank workbook. Under "Data" in the main menu select the function "Get data" followed by "From Database" and "From SQL Server Database".





Here you will be using the information from the above-mentioned notification after the calculation. Enter the name of the SQL Server. "(local)\\" means that it is the local machine that is running the SQL server. If the database is located elsewhere on the network on a server, then enter "Server name\SQLServer name" and the name of the database.

SQL Server database

Server ⓘ

(local)\SQL2008R2

Database (optional)

GreenPlan\_Demo

▶ Advanced options

OK Cancel

After that a connection form will show. Just click "OK" to that, and also click "OK" to the following "Unencrypted" dialog. Finally, a "Navigator" form will show in which you select "Calculated\_Hours\_View" and then click the "Load" button.

Navigator

Search

Select multiple items

Display Options ▾

- (local)\SQL2008R2: GreenPlan\_Demo [203]
  - CALCULATED\_EVERYTHING\_VIEW
  - Calculated\_Hours\_View
  - Calculated\_Sales\_View
  - Calculated\_Stockplants\_View
  - Calculated\_Supply\_Demand\_View
  - GF\_AftaleJoinView
  - GF\_PlanKulturInfJoinView

Calculated\_Hours\_View

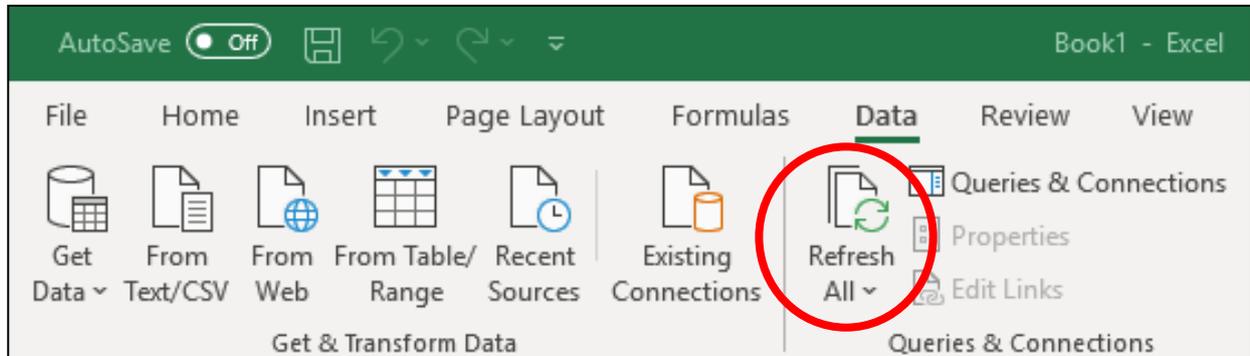
DateOfWork	CropNo	OperationNo	Hours	Plants	Autc
07-01-2019 00:00:00	902	20	1,873684211	3560	
23-01-2019 00:00:00	905	40	0,00767231	2848	
31-01-2019 00:00:00	905	40	0,00767231	2848	
06-02-2019 00:00:00	905	40	0,00767231	2848	
11-02-2019 00:00:00	905	40	0,00767231	2848	
16-02-2019 00:00:00	902	40	0,009590388	3560	
20-02-2019 00:00:00	902	40	0,009590388	3560	
24-02-2019 00:00:00	901	40	0,00767231	2848	
27-02-2019 00:00:00	902	40	0,009590388	3560	
02-03-2019 00:00:00	904	40	0,005754233	2136	

Select Related Tables

Load ▾ Transform Data Cancel



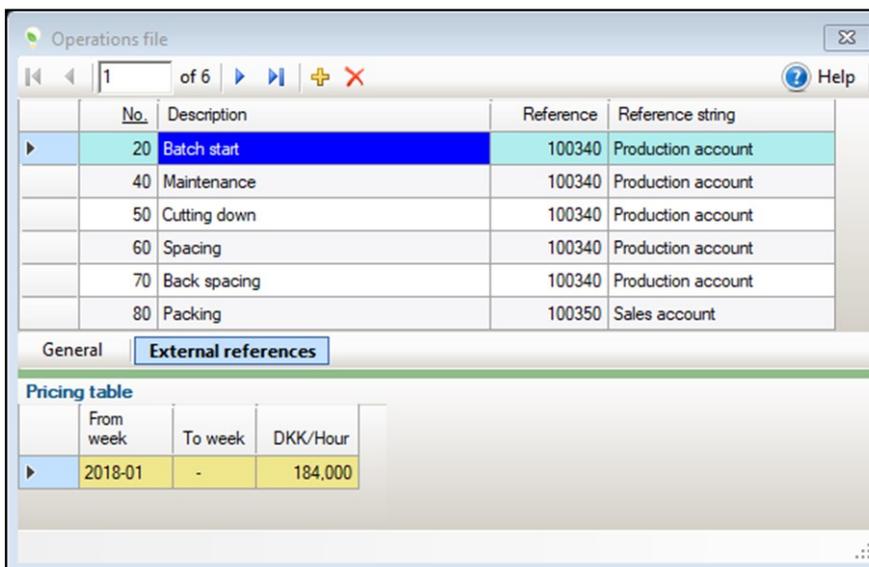
The spreadsheet will now be filled with the data just calculated. If the result is saved, then all of the above can be reused without much trouble. When a new calculation has been made in GreenPlan, just press the “Refresh all” button in Excel, and your spreadsheet will be “up to date”.



If you want data to be used by other systems, these probably will have to be customized to be able to read in data. Depending of the system you use, this should be easy. Use the connection information from the above notification, read the data and do whatever you want with the result.

If it is not just labor and/or sales that you need, then use the function “Calculated table (everything)”. Here you can get any information, still being completely unaware of the calculation rules in GreenPlan. Here the number of calculated records can exceed “high” and be “huge”. Again, depending on the detail level.

The glue that makes GreenPlan data compatible with any other systems is found in the forms where GreenPlan data are defined. Everything can be associated with external references. Either as an integer (number) or as an alphanumeric string or both.



In this example it is assumed that the external system uses numbers as identifiers and therefore the “reference string” - not used - can be utilized as an explaining note.

If you have questions regarding the above, contact HortiAdvice.