

# Summary table

## The main InfoGrow screen

Select nursery

Select start and end date for value calculations

Last received measurement  
05/01/2024 09:34:27

Start date 28. Dec 2023

End date 04. Jan 2024

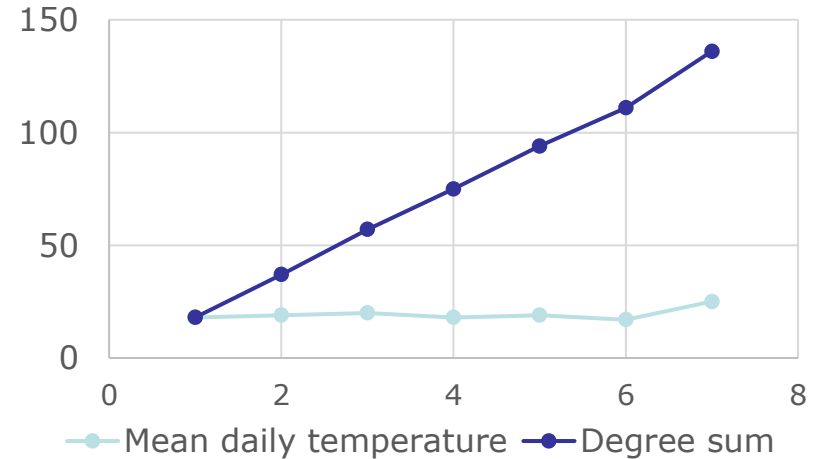
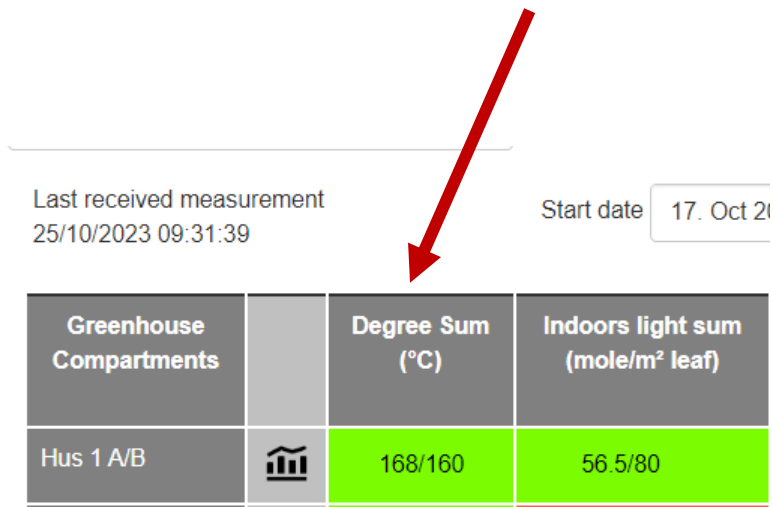
Greenhouse Compartments		Degree Sum (°C)	Indoors light sum (mole/m <sup>2</sup> leaf)	Photosynthesis sum (g CO <sub>2</sub> /m <sup>2</sup> )	Ligh use efficiency (g/kWh)	Avg. Pn Activity (g/h/m <sup>2</sup> leaf)	Heating (Wh/m <sup>2</sup> per day)	Growth light (Wh/m <sup>2</sup> per day)	Avg. Humidity (%)	Avg. Temp. (°C)	Avg. CO <sub>2</sub> (ppm)
Compartment 1		91/168	50.7/112	32/160	4.5	0.2	2383	1184	75 <sup>85</sup>	15.2 <sup>20.0</sup> -98.9	944
Compartment 2		133/168	71.2/112	44/160	4.3	0.2	2826	1273	80 <sup>87</sup>	16.7 <sup>22.1</sup> 8.9	1104
Compartment 3		136/168	38.6/112	22/160	4.5	0.1	1206	624	68 <sup>82</sup>	17.0 <sup>21.4</sup> 10.3	995
Compartment 4		186/193.6	44.9/112	25/160	4.4	0.1	2432	730	60 <sup>70</sup>	23.3 <sup>25.2</sup> 21.7	997
Compartment 5		146/168	85.9/112	53/160	7.4	0.3	1842	905	73 <sup>80</sup>	18.3 <sup>22.6</sup> 10.2	1134
Compartment 6		131/168	43.4/112	25/160	4.4	0.1	3837	715	68 <sup>76</sup>	16.3 <sup>21.1</sup> 8.9	732
Compartment 7		143/168	73.4/112	45/160	4.3	0.2	2208	1319	74 <sup>81</sup>	17.9 <sup>22.8</sup> 9.4	1114
Compartment 8		168/189.6	74.6/112	49/160	4.9	0.3	2339	1248	71 <sup>78</sup>	21.0 <sup>24.3</sup> 17.7	777
Compartment 9		135/168	76.9/112	48/160	4.3	0.2	1832	1397	76 <sup>83</sup>	16.8 <sup>22.7</sup> 5.0	690
Compartment 10		133/168	78.1/112	49/160	4.3	0.3	2174	1420	80 <sup>92</sup>	16.6 <sup>21.5</sup> 6.5	635
Compartment 11		138/168	87.4/112	54/160	4.2	0.3	2284	1605	72 <sup>77</sup>	17.2 <sup>22.5</sup> 7.8	690
Compartment 12		132/168	57.1/112	35/160	4.4	0.2	1983	995	82 <sup>88</sup>	16.5 <sup>21.9</sup> 7.1	633

Values describing the greenhouse production

Open graph menu for the compartment

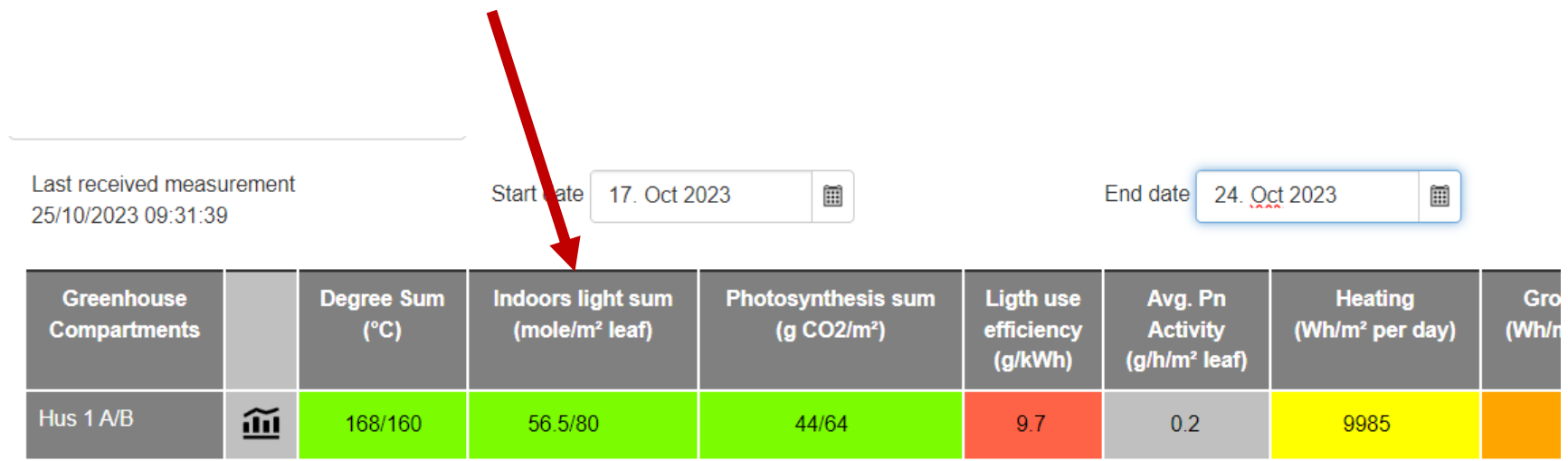


# What is Degree Sum in InfoGrow?



- Degree Sum is calculated as mean temperature minus the base temperature (the point where plant growth is zero) over a given period (here 3 days). For most productions the base temperature is 0°C.
- The graph show mean daily temperature for 7 days. The degree sum is accumulated values of the daily mean values.
- Plant development is mainly controlled by the Degree Sum – not number of growing days and only little by light level.

# What is Indoors light sum in InfoGrow?




- Indoors light sum is the sum of light over a given period (here 3 days).
- The value depends on the natural and artificial light measured as moles of photons per m<sup>2</sup> leaf.
- Plant growth depends on carbon accumulation induced by light together with temperature as the main factors.
- The light levels can fluctate without affecting plant growth as long as the determined sum is reached within 3-7 days (depending on the plant species).

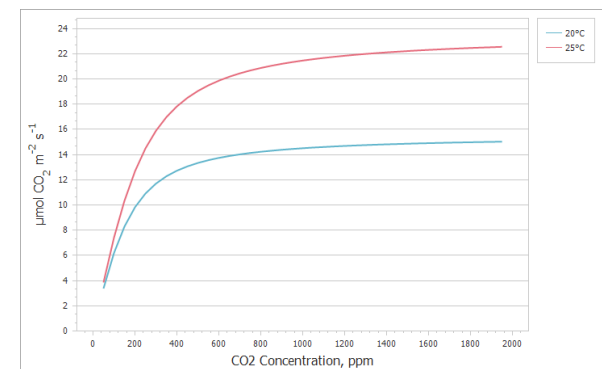
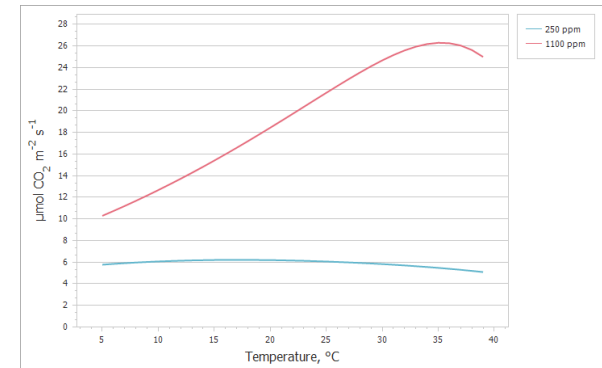
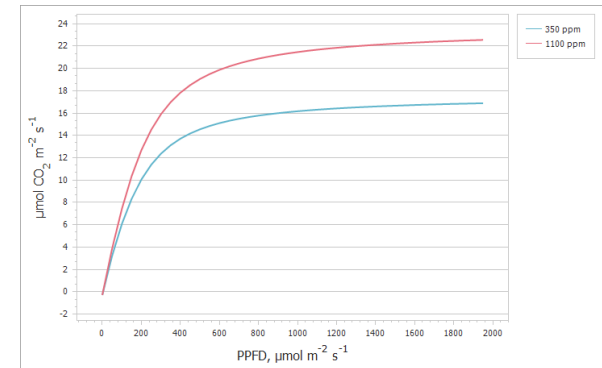
# What is Photosynthesis sum in InfoGrow?

Last received measurement  
25/10/2023 09:31:39

Start date 17. Oct 2023

Greenhouse Compartments		Degree Sum (°C)	Indoors light sum (mole/m <sup>2</sup> leaf)	Photosynthesis sum (g CO <sub>2</sub> /m <sup>2</sup> )
Hus 1 A/B		168/160	56.5/80	44/64

- Photosynthesis sum is the sum of accumulated CO<sub>2</sub> in g per m<sup>2</sup> leaf over a given period (here 3 days).
- Plant growth depends on the CO<sub>2</sub> concentration in the plant together with temperature and light as the main factors. See figures.
- The photosynthesis sum is calculated not measured.
- The desirable photosynthesis sum depends on the plant species.



# Define colors and values

The summary table can be adapted to your needs.

Degree Sum (°C)	Indoors light sum (mole/m <sup>2</sup> leaf)	Photosynthesis sum (g CO <sub>2</sub> /m <sup>2</sup> )
91/168	50.7/112	32/160
133/168	71.2/112	44/160

Click in the cell you want to change

Important values to define:

- Degree sum
  - Base temperature is defined in the crop setup
  - Target temperature sum (°C)
- Indoor light sum
  - Daily target sum for indoors light (mol)
- Photosynthesis sum
  - Daily target sum for photosynthesis (g CO<sub>2</sub>/m<sup>2</sup>)
- Avg Pn Activity (Photosynthesis activity)
  - Crop type (select crops defined in “Manage, Crop definition”)

This is the menu shown when clicking the Degree sum:

Setup for radial gauge about Degree day sum

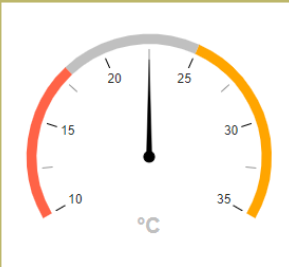
[Back to summary table](#)

Basis temperature  °C (Crop definition specified)

Daily Target Sum Temperature  °C

Click save to save your changes before leaving the menu

Setup layout



Range values

Max. value

High value

Low value

Min. value

Range colors

High color range

Medium color range

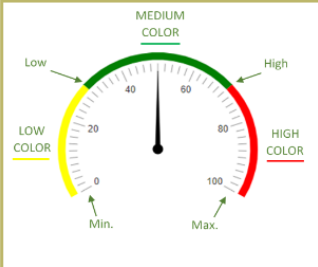
Low color range

Optimal range

Max. value for the optimal range

Min. value for the optimal range

Setup definitions



Define min, low, high, and max values and the colors that is used depending on the actual values (as shown in setup definitions). Optimal range is not used.

Valid for compartments

<input type="checkbox"/>	Name
<input type="checkbox"/>	Hus 5 - Øko
<input type="checkbox"/>	Hus 9
<input checked="" type="checkbox"/>	Hus 1-3 V
<input type="checkbox"/>	Hus 1-3 Ø
<input type="checkbox"/>	Hus 4
<input type="checkbox"/>	Hus 7 - 8
<input type="checkbox"/>	Hus 6
<input type="checkbox"/>	Hus 6 Formering
<input type="checkbox"/>	Hus 10
<input type="checkbox"/>	Hus 11
<input type="checkbox"/>	Hus 12
<input type="checkbox"/>	Hus 13

Select the compartments that the values is used for.