



Crop observations for Brassica's

Mycosphaerella brassicicola, Alternaria brassicicola and Albugo candida in Brussel sprouts, Cabbage and Cauliflower

Crop planting

Dacom code: **Emergence %** (equals planting date) or **Start of disease control**

Fill in **once** 100% when crop is emerging or planted. No advice will be calculated if crop emergence is not entered.

Crop protection

Select last applied chemical from the list and enter amount used in per Ha or acre before calculating new advice. A full dosage (100% protection) sets the amount of unprotected crop to 0.

Irrigation

By recording Irrigation (overhead type irrigation), the leaf wetness period will be altered. Enter **Irrigation** as the recording type and **Water (mm)** under the observation heading.

Crop cover

Dacom code: **Crop density (0-10)** Fill in weekly

The density influences the leaf wetness calculation and is based on a visual evaluation of the field or bed by foliage.

Crop density	Value
0-10%, open crop, just planted	1
20% cover	2
30% cover	3
40% cover	4
50% cover	5
60% cover	6
70% cover	7
80% cover	8
90% cover	9
100%, very dense crop	10

Crop growth

Dacom code **Crop growth (0-10)** Fill in weekly

This value changes the gradient of the growth line in the disease advice graphics which illustrates un-protected leaf. Value is based on a visual evaluation of the crop, the weekly change should be noted and compared with the table below.

Crop growth	Value
Very little growth	1
Slow growth	3
Moderate growth	6
Fast growth	8
Very fast growth	10





Senescence (Mycosphaerella and Alternaria only)

Dacom code **Senescence (0-10)** Fill in weekly

Increasing the level of dead leafs sensitises the model. Values are based on a visual evaluation of the crop.

Observation	Value
Lowest canopy yellow	1
Lowest canopy yellow and significant leaf drop present	5
All lower foliage dropped and predominantly brown	10

Crop development Stage (Mycosphaerella and Alternaria only)

Dacom code: **Crop Stage (1-10)** Fill in weekly

Observation	Value
3rd leaf unfolded (planting)	1
9 or more true leaves unfolded	2
Early stem extension or plant growth	3
Main stem development or plant growth	4
First sprouts, head or curd appears	5
Maximum number of leaves reached	6
Lowest leaves over mature and start to fall (Brussel Sprouts only)	7
Sprout buttons, heads or curd expansion	8
Sprout buttons, head or curd matures	9
Crop over matures	10

Presence of the disease

Dacom code: **Presence of Mycospharerebella brassicicola (1-10)** Fill in when applicable
Presence of Alternaria brassicicola (1-10)
Presence of Albugo Candida (1-10)

Increases the sensitivity of the model. Based on a visual evaluation of the crop

Observation	Value
First signs of disease in the area	1
No infection in the crop, few lightly infected fields in the area	2
No infection in the crop, moderately infected fields in the area	3
No infection in the crop, heavily infected fields in the area	4
One small area in the field with light infection	5
1-3 % of the plants with infected leaves	6
3-5 % of the plants with infected leaves	7
5-20 % of the plants with infected leaves	8
20-30 % of the plants with infected leaves	9
30-40 % of the plants with infected leaves	10

