



Crop observations for vines

Start of growing season

Dacom code: **Bud Breaking**

Fill in once when first new leaves appear

No advice will be calculated if **bud breaking** is not entered.

Crop protection

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

Plant/leaf density

Dacom code: **Crop density (0-10)**

Fill in weekly

The density (leaf density of the vines) influences the leaf wetness calculation

Observation	Value
Only buds	0
First leaves appear	1
A few small leaves	2
Two third of all leaves have appeared	3
All leaves have appeared	4
50% of leaves have mature size	5
60% of leaves have mature size (can still look through easily)	6
75% of leaves have mature size	7
Grown crop (cannot look through)	8
Dense grown crop	9
Very dense grown crop	10

Remark: after cutting the shoots the density should be re-considered!

Crop and fruit growth

Dacom code **Crop growth (0-10)**

Fill in weekly

This value changes the gradient of the growth line in the graphics illustrating un-protected leaf

Observation	remarks	Value
No growth, lots of stress or end of season	stage = 10	0
		1
Little growth, drought, cold and/or ripening fruit	stage > 7	2
		3
Less than moderate growth, fruits are growing		4
Moderate growth, when T = moderate after density=7	density \geq 7	5
More than moderate growth	density \geq 6	6
		7
Fast growth, first 8 wks, plenty of water/sun, temp.=high	2 < stage < 7 density > 2	8
	2 < stage < 7 density > 2	9
Very fast growth, first 8 wks, ideal circumstances	2 < stage < 7 density > 2	10



**Crop development**

Dacom code

Crop stage (1-10)

Fill in weekly

Crop stage		Value
Start growing of buds	Begin budbreak	1
Beginning growth of first young leaves and shoots	Budbreak	2
10cm shoot length	10cm shoot	3
25cm shoot length	25cm shoot	4
First flowers open	Early bloom	5
80% of fruits present	80% of flowers fallen off	6
All fruits set	Fruiting	7
Fruits at pea size (\pm 7mm)	Pea size	8
Start colouring	Grapes colour & enlarge	9
Fruits in ripening phase	Full grown crop	10

Presence of fungus diseases

Dacom code:

Presence of...**Plasmopara (1-10)****Uncinula (1-10)****Botrytis (1-10)**









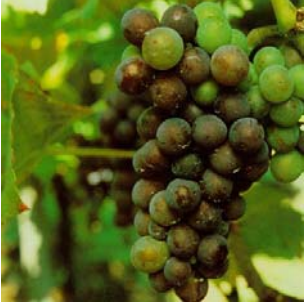
Fill in when applicable

Increases the sensitivity of the fungus model

Observation	Value
No visible infection	1
No infestation but heavy shower/irrigation	2
Little infections in the area	3
Few fields infested in the area	4
Heavy infections in the area	5
Occasional plants with light infested leaves	6
One area in the field with a low infestation	7
More than one area in the field with a low infestation	8
Locations with low and heavy infestations	9
Heavy infestations over the whole field	10



In field examples of crop stages

1. Beginning of bud burst		2. Budbreak (Green tips visible)	
3. 10 cm shoot (3 leaves unfolded)		4. 25 cm shoot (inflorescences swelling)	
5. Early bloom (Beginning of flowering)		6. 80% of flowerhoods fallen (late flowering)	
7. Fruit set		8. Fruits pea sized	
9. Grapes colour & enlarge		10. Grapes ripe for harvest	