

Palissage

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Palissage Observation Sheet

Varieties : *Solaris* & *Marechal Foch*

Rootstock : *SO4*

Date of Hedging : *July 10th*

Date of Palissage : *July 10th*

How many times do you usually hedge this block in a season?

2x topping

In addition, one or two two rounds are needed to keep remove the laterals and keep the fruit zone open

Method of Palissage (wrapping or circling):

wrapping

How many vines or rows did you apply palissage to?

1 row with 10 vines

1 row as reference with 10 vines

for both varieties

Once your crew had some experience with palissage, about how long did it take to apply per vine?

2.5 minutes

How technically easy or difficult was it to apply the palissage method? Please explain.

5

- wrapping required more 'thought' and attention, although its not the first time I used this method (which was in 2014, after a suggestion in a tweet by Justine Vanden Heuvel). The attention is needed to prevent the shoots from breaking and to wrap all the shoots in the same direction (to prevent a build-up of shoots in certain parts of the canopy).*
- The direction of wrapping was towards the North, based on the idea that pointing the top away from the light would slow down growth.*

At least four weeks after palissage, please record the impact of palissage and hedging on the vines:

Marechal Foch:

type	description
hedging	longer laterals, with length up to 70-100cm, present. Stil, the canopy in general is more open.
.	No diseases present.
wrapping	shorter laterals, with length up to 25-30cm, present in vertical part of the canopy. Many and
.	long laterals present in wrapped shoots. Very dense canopy around the top wire. No diseases present.

Solaris:

type	description
hedging	less new top-laterals than with the M.Foch, a bit more laterals than with wrapping, but less
.	obvious differences than with the M.Foch. Relatively open canopy. No diseases present.
wrapping	Very dense canopy around the top wire. The canopy is slightly more open than with the hedged

type	description
.	vines, but the difference is nullified by top shoots that have sagged. The result is a very
.	dense canopy, also in the vertical part. No diseases present.

Time of observation:

August 11th, around veraison of the M.Foch

Did you have to apply palissage/hedging more than once this season? If yes, how many times for each?

2x

Does the fruiting zone of the palissaged vines appear more dense, more open, or unchanged compared to the hedged vines?

more open

Has lateral length or lateral emergence been impacted by palissage compared to hedging?

less and slightly shorter laterals

Is there any difference in disease incidence or severity between the palissaged and hedged vines?

no, both healthy

Are there any other differences between treatments that you've noticed? (e.g. Brix, date of maturity, vine size, etc.)

not measured because of unplanned 'emergency' harvest

What do you think the advantages/disadvantages of palissage over hedging are?

- 1) Both grape varieties showed a reduction in growth of lateral shoots in the vertical part of the canopy when palissage was applied. The effect is larger with the Marechal Foch.
- 2) No reduction in the time required for attending the vines was observed.

Please share your thoughts on palissage as an alternative to hedging. Would you consider trying it again or potentially adopting the practice?

- 1) Although no diseases were found (up to the time of writing this report), the dense canopy with palissage is a concern. The additional weight causes stretching of the top wire. When palissage is chosen, the supporting trellis system needs to be strengthened.
- 2) I would probably not use it on a regular basis, but will apply palissage when necessary to reduce growth of the lateral shoots in years when this is necessary.