



Vitis Faber

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Vine Master Pruner

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Vine Trunk Diseases &
Pruning technique

Conference - Workshop
suggestion

Why pruning master?

Let me introduce myself

I started analyzing and studying pruning techniques since 10 years during all this period of time I've found many confirmation of pruning importance regarding: vineyard's formation, health, longevity and, certainly, many economic managing implications.

That's why I decided focusing myself on this specific area from which, I strongly believe, many improvements could be suggested to modern vineyard management.

On last april I've concluded my last formation at the **UNIVERSITY of BORDEAUX (ISVV)** specifically on vines physiology, wood diseases and pruning technique.

I'm actually supervising more than 30 producers growing traditional varieties and about 15 Ha of Piwis. Planning, counseling, pruning and teaching to prune vines.

Why PIWI?

- I'm interested in PIWI since many years
- I co-founded PIWI Veneto in north east of Italy in 2015, in which I'm actually technical referent and secretary
- In my vision Piwis represents the natural complement to a wide-angle comprehension at vineyard's health trouble and its year by year preservation
- **Piwis varieties give answers to annual-cycle diseases, pruning technique is oriented to prevent long-term health problems , together, they are the keys for future's sustainable vineyards.**



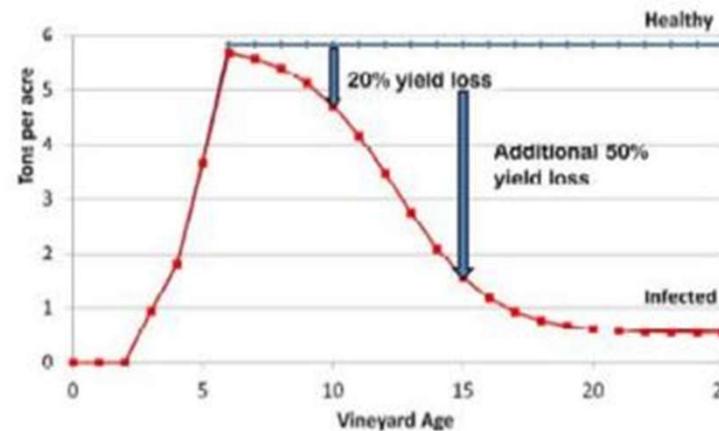
Trunk diseases: the other half of the question

- Today's, biggest part of structural yield losses are due to wood diseases caused by inner wood fungus (esca, eutypa, Bda, "Hoy del Malvòn".....)

Permanent wood diseases are:

- irreversible
- degenerative
- Involving QUANTITY AND QUALITY LOSS
- Highly expensive to manage

Yield Impacts of Trunk Diseases



Hereby, some data from different countries about the impact of these diseases:

ESP: Since 2003 (year of the sodium arsenate prohibition in Spain), it has grown up from 1.8% of degree affections in vineyards to 10.5% in 2007 (Rubio and Garzón, 2011).

FRA: Close to 13 % of French vineyard is now affected by trunk diseases according to the survey led by the DGAL in 2012 (Grosman and Doublet, 2012). Therefore, it is a major concern of wine growers since the sodium arsenate was banned in 2001, which was the only effective molecule against the esca. Diseases known as esca, Botryosphaeria dieback and Eutypa dieback lowered potential wine production by 13% in France in 2014, according to the agriculture ministry and French Wine Institute (IFV). The increase of symptoms was investigated and the incidence reached values higher than 10% for Botryosphaeria dieback and 25% for Eutypa dieback in French vineyards (Bruez *et al.*, 2013). The diseases are costing France the equivalent of 1bn euros (\$1.14bn) annually in lost wine production, IFV said and means more than 100,000 hectares of vineyard was lost in 2014 and between 10 to 15% of potential production was lost last year. InterLoire also estimated that at least 5% of Europe's vineyards were affected by GTDs.



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- Why vine pruning is so important

Nowadays at academical and specialized level, it's clearly acknowledged a close relationship between pruning wounds and develop of vines sicknesses.

Many big producers are improving their knowledges level, pruner skills is now recognized as an important part in vineyards performances.

Technical level is increasing, more and more winegrowers feel this argument as important.

However, pruning and pruning counselor must have a higher goal: being able to transfer a "multi-season" vineyards outlook, explain working methods and check instruments but the most important thing is TRANSMIT SENSIBILITY FOR VINE PRESERVATION.



Only on the last year I've held 12 courses for about 150 people, explaining with a personal made path between physiology, managing elements and pruning technique how is possible to «look at the vine in a different way»

Practicing in the vineyard is moreover important to verify what's on the theoretical part, achieving capability of evaluating the situation, apply correct methods, optimize and save working time!

Theory and on site tutoring



Thanks for your attention !



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Vineyards are created cut after cut....