

VinCO 2025

Fritz Westover | Viticulturist
Virtual Viticulture Academy





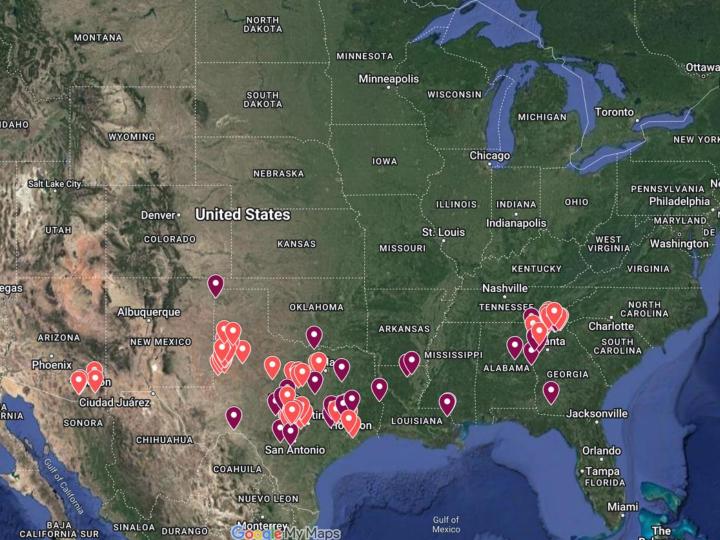














Factors Influencing Vineyard Longevity

- Vineyard establishment protocols (soil, water, nutrition)
- Environmental conditions (drought, heat, cold)
- Management (water, nutrition, training, pruning)
- Water (quality, availability, timing)
- Diseases (GTD)
- Vine balance (crop load x season)

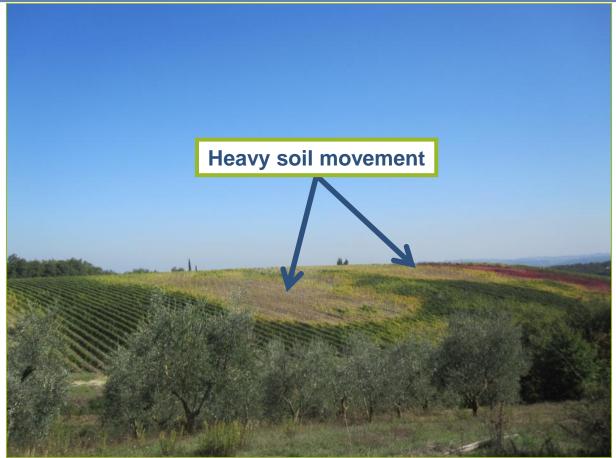






Vineyard longevity starts before you plant





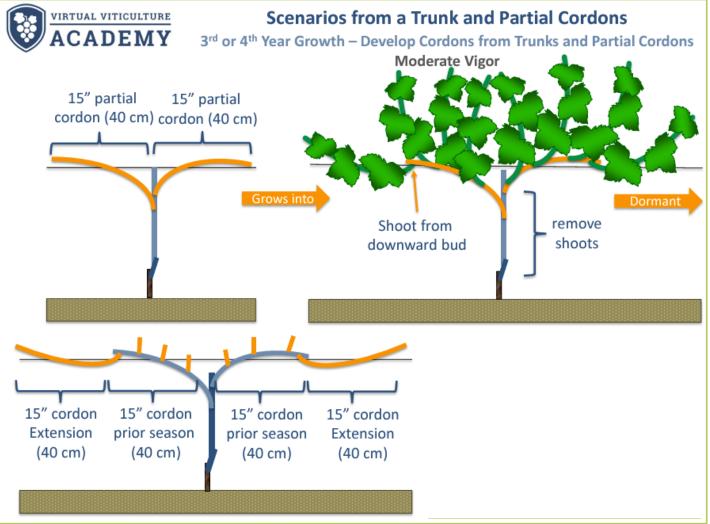


No Wimpy Wood!

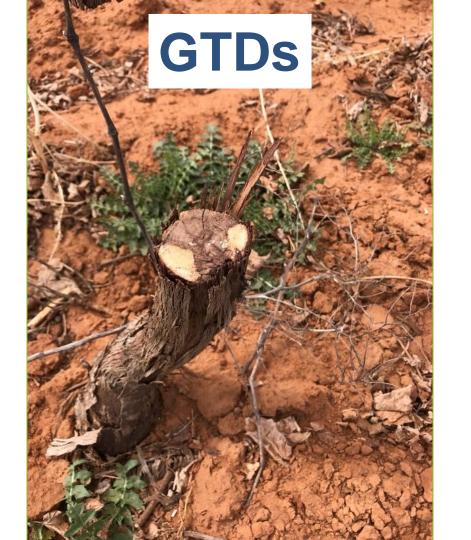


Out of Balance

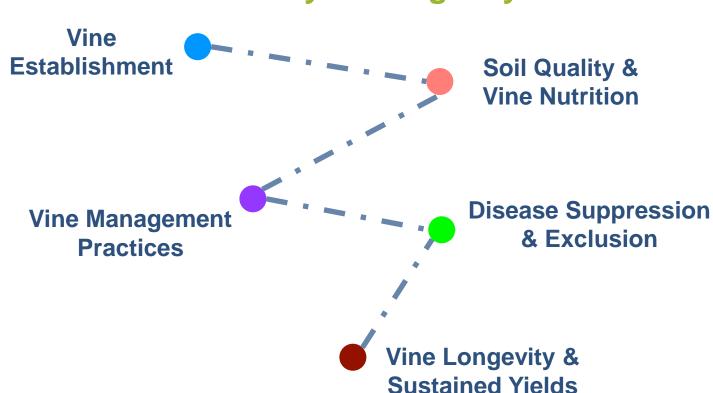








Pathway to Longevity





Young Vine Training:

A "Closed System" Approach

Remove Shoots = Reduce Dormant Pruning Wounds



Dormant first year vine

Thin to one strong shoot (or 2)

Prune back to two buds in winter (one bud if less than pencil size wood)



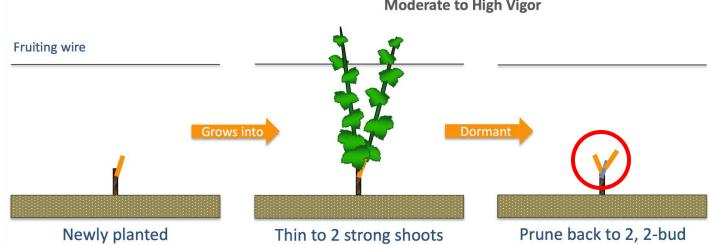
Young Vine Training & Pruning Wounds





Scenarios from the Ground Up

1st Year Growth - Double Shoot **Moderate to High Vigor**



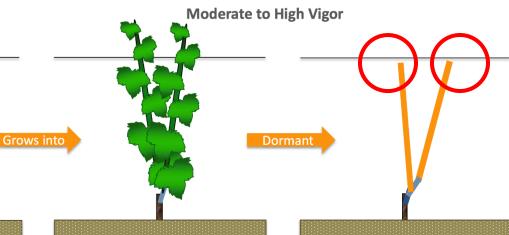
dormant vine

spurs in winter (1 bud if less than pencildiameter wood)



Trunk Development

1st or 2nd Year Growth – Double Shoot to Double Trunk

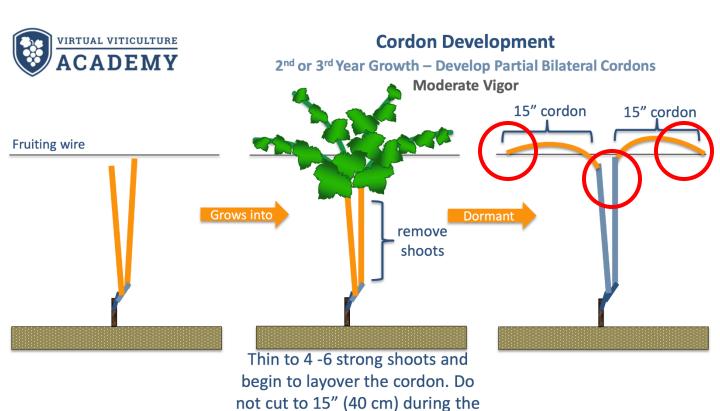


Fruiting wire

Dormant vine

Thin to 2 strong shoots

Retain 2 trunks – cut each trunk just below the fruiting wire (cut back to 2 buds if less than 3/8" [9-10mm] wood)

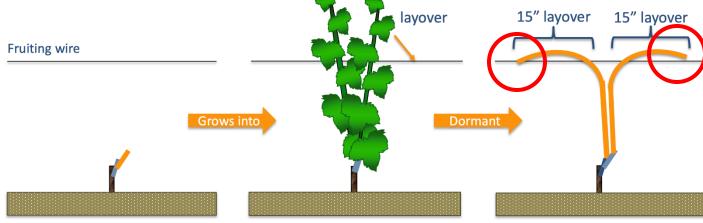


season, wait until dormancy.



Trunk Development

1st or 2nd Year Growth- Double Shoot to Double Trunk High Vigor



Dormant vine

Thin to 2 strong shoots and begin to layover the cordon. Do not cut to 15" (40 cm) during the season, wait until dormancy.

Prune back to 2 trunks and lay over 15" (40 cm) of >3/8"(9-10 mm) diameter wood if present.











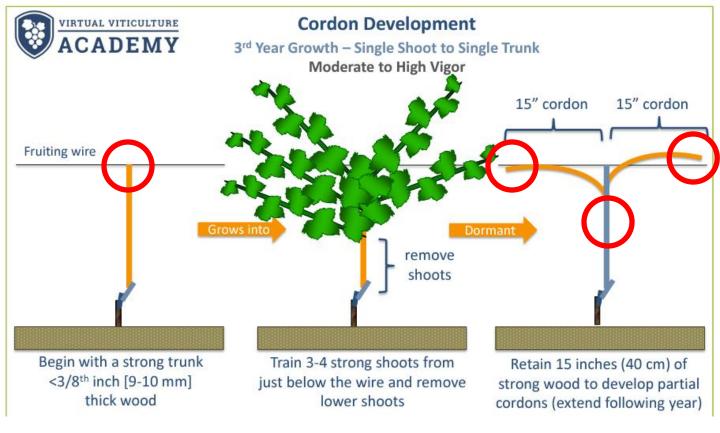










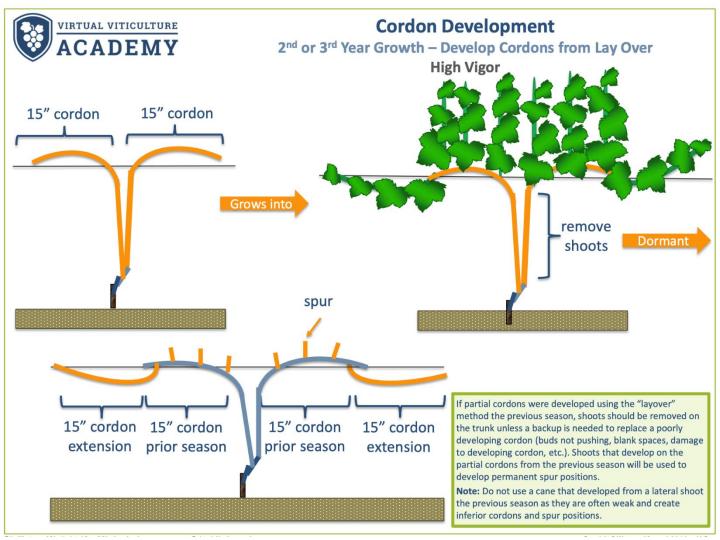




Canes longer than 15" can cause gaps



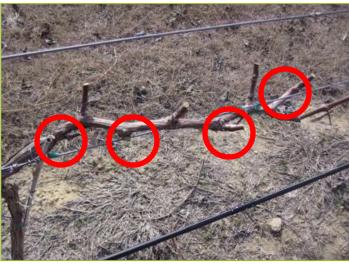






Spur spacing & pruning wounds











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Pruning Rules!

Pruning Established Vines for Longevity

Factors Influencing Vineyard Longevity

- Bad cuts or "Killer Cuts"
- How vines heal (CODIT)
- Reduce large pruning wounds & diseases
- Preventing "killer cuts" vs. protecting cuts
- Good cuts + strategic wound treatments
- Best management practices (fix bad habits)





GTD & Vine Decline



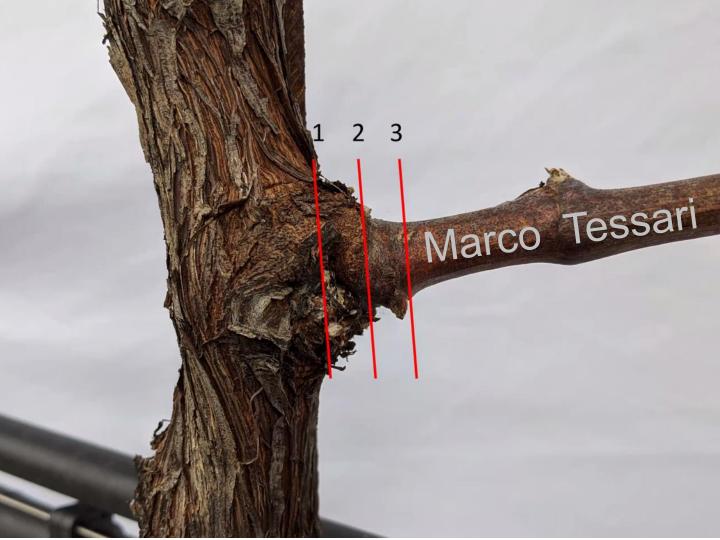
Is it the disease or the pruning?



















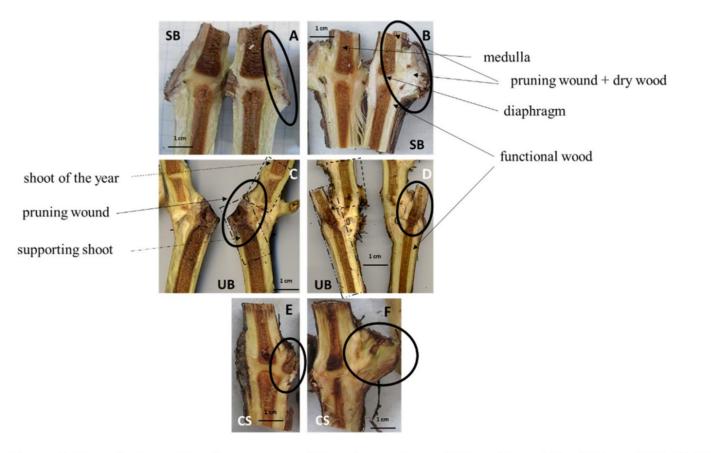


Figure 1. Description of the tissue types of Sauvignon Blanc (SB) (**A**,**B**) and Ugni Blanc (UB) (**C**,**D**) and Cabernet Sauvignon (CS) (**E**,**F**) according to pruning mode: short (**A**,**C**,**E**), or high (**B**,**D**,**F**).

Bruez, et. al.









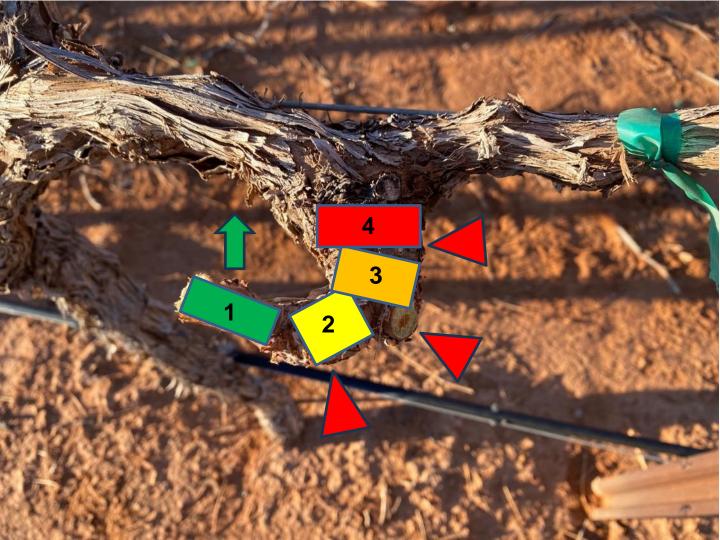




Phomopsis dieback





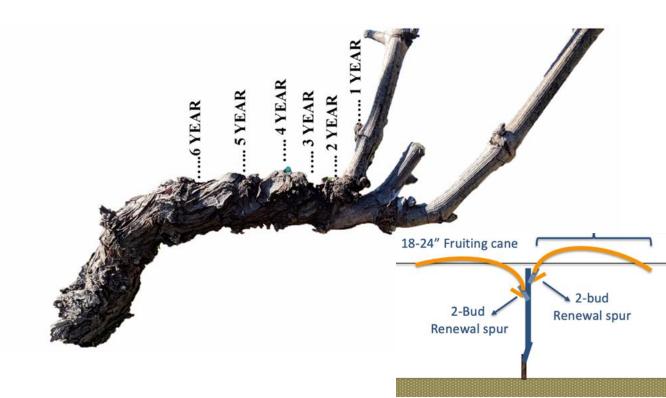








Controlled Branch Development











Avoid cuts like this!

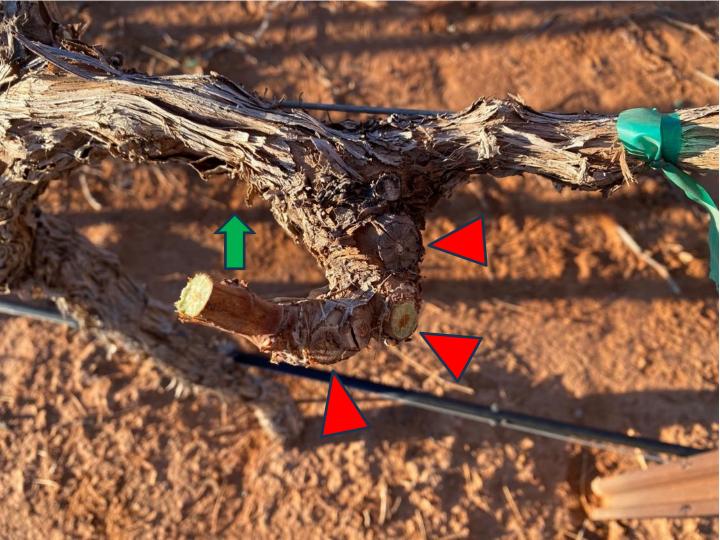














Every vineyard needs "some" shoot thinning





Shoot thinning

- Role in "closed system" vine training
- Adds labor then reduces hand pruning labor
- Reduces the number of dormant pruning wounds
- Removes basal buds compared to dormant pruning (less sucker shoots)





Double or Twin Shoots





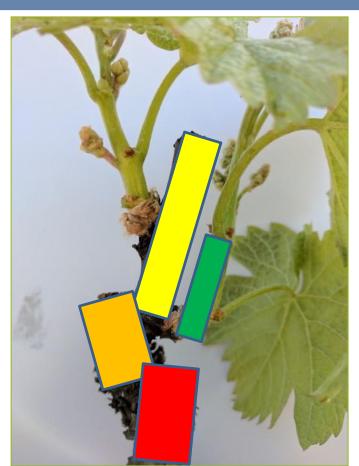














The Consequences of Late Thinning









Let your pruning be your guide!





Where do we go from here?

- Worker training
- Vine dissection & education
- Stop the "Killer Cuts" (electric pruners)
- Rethink the spur creep dilemma
- Maximize live wood



These techniques are covered in the videos.



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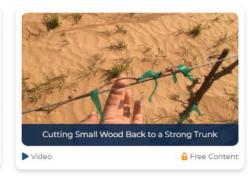
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Pruning

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063: PRUNING WOUND DISEASE MYTH BUSTING

posted on JANUARY 21, 2025

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