

Pruning Grapevines

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Topics to be covered

- Pruning grapevines
 - Cane pruning
 - Spur pruning
- Training systems
 - VSP
 - Scott Henry
 - Arbor
 - Balanced pruning



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Without Pruning, Grapevines Grow!



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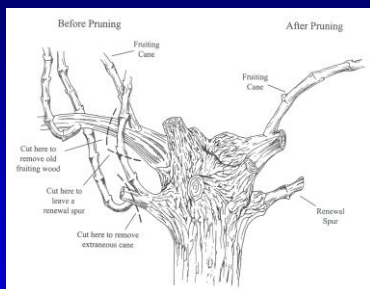
Training/Pruning System- Cane

- Easy system to train vines
- Head trained cane pruned, renewal spur
- Best for table grapes, most fruitful buds are at nodes 5-12 on cane
- First four or five nodes often vegetative
- A little more complex to prune than cordon

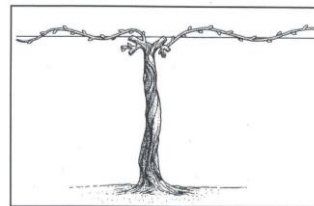
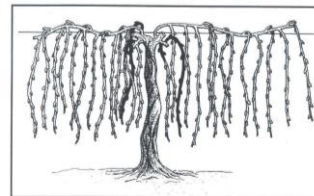


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Head Trained Vine Cane pruning



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Cane Pruning



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Cane pruned



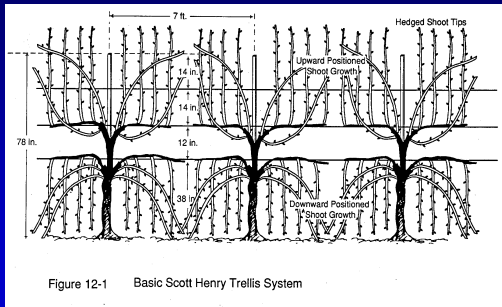
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Good Canopy Density



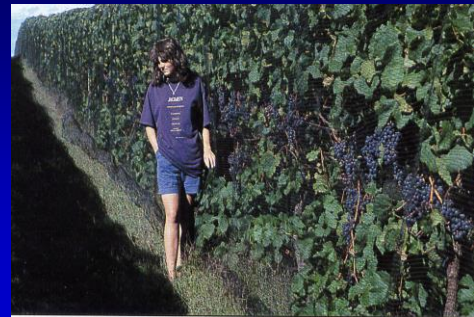
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Scott Henry System



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Scott Henry System



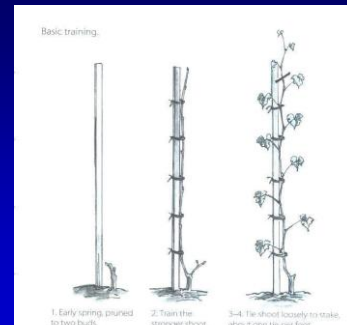
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Training/Pruning System Guyot / VSP

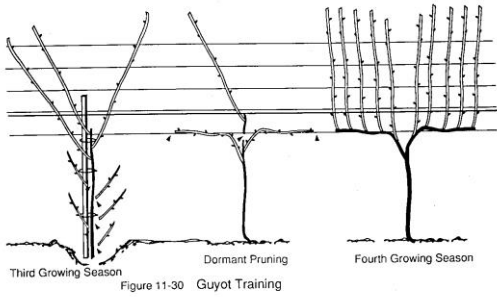
- Simple system to develop
- Single trunk, head trained for cane pruning
- Best for narrow row systems (5-6')
- Easy to prune and harvest
- For long internode varieties, too limiting
- Trunk 24-26" tall

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Guyot / VSP Training Second Year



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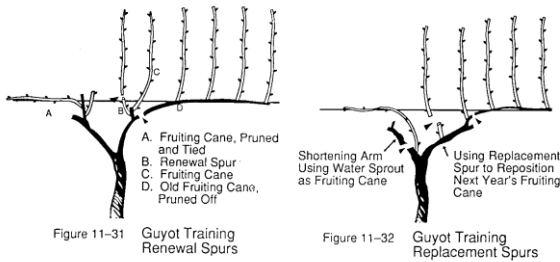
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Trellis- Vertical Shoot Positioning



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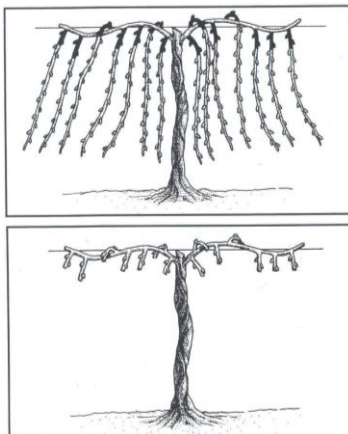
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Training/Pruning System Cordon/Spur

- More complex than the Guyot
- Requires more time to develop arms
- Allows you to leave more fruit buds
- Better system for wider row space
- Keep spurs on the upper side of arm
- Shoots arise from the same level
- Not good for varieties with fruitless buds
- Spurs-smaller clusters in cool climates
- Trunks 24-26" tall

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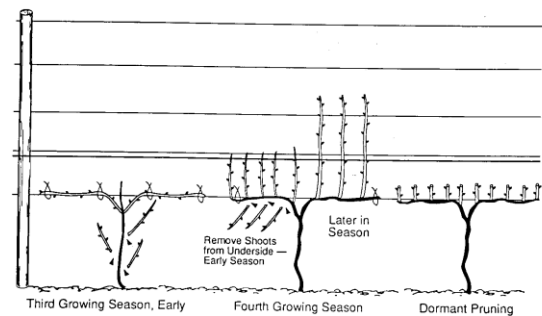
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Spur Pruning

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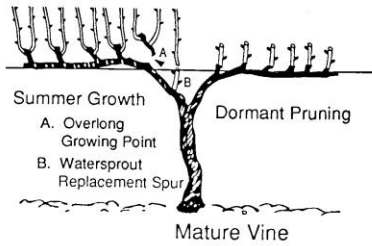


Figure 11-35 Cordon Training

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Training System Arbor

- Need to build an arbor structure but..
- Simple system to train
- Good for small yards
- Good light for vine
- Often difficult to spray and prune
- Best for table grapes

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Arbor System

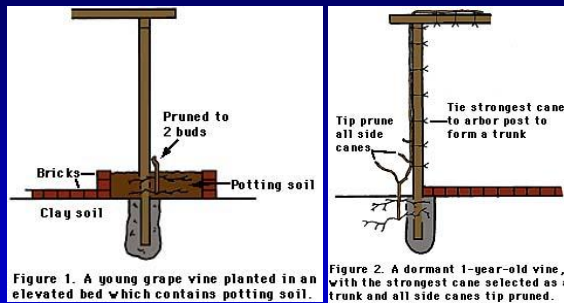


Figure 1. A young grape vine planted in an elevated bed which contains potting soil.

Figure 2. A dormant 1-year-old vine, with the strongest cane selected as a trunk and all side canes tip pruned.

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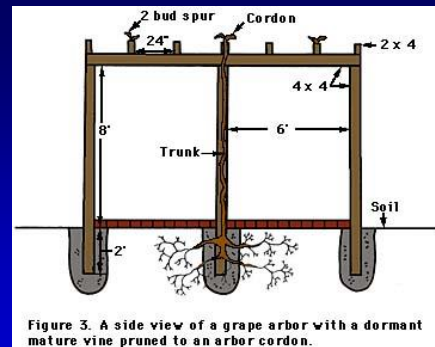


Figure 3. A side view of a grape arbor with a dormant mature vine pruned to an arbor cordon.

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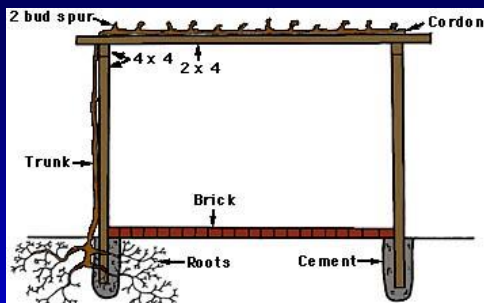


Figure 4. An end view of a grape arbor with a dormant mature vine pruned to an arbor cordon.

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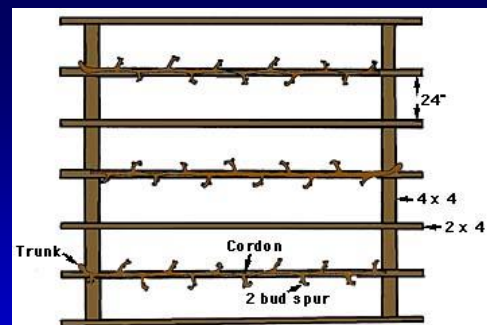


Figure 5. A top view of an arbor cordon pruning system.

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Balanced Pruning

- Formula based on pruning weight from a vine
- For each pound of pruned canes leave 20 buds
- Leave another 10 buds for each additional pound of pruned canes
- 3 lbs. pruned, leave 20+10+10 buds

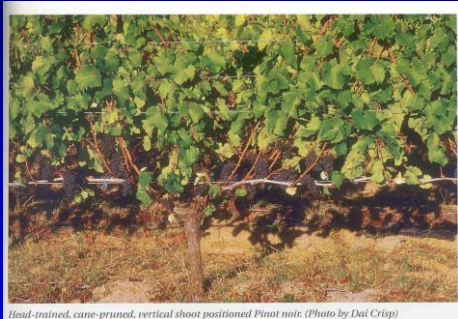
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Balanced Pruning

- Can be done visually
- If last years canes were weak leave fewer buds
- If last years canes were too vigorous leave more buds to control vigor

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Balanced Vine



Head-trained, cane-pruned, vertical shoot positioned Pinot noir. (Photo by Dai Crisp)

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