



# Cordon training system for black and red currants

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# *Cordon training system*



- **Plants are tied to permanent trellises with wire and bambus stakes as support**



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# *Why cordon training system?*

- Cordon training systems have been proven to produce the high quality fruit.(red currants )
- Standard practice for growers in Holland, Belgium and Germany
- Quality and size of fruit is improved and it is easier to harvest fruit





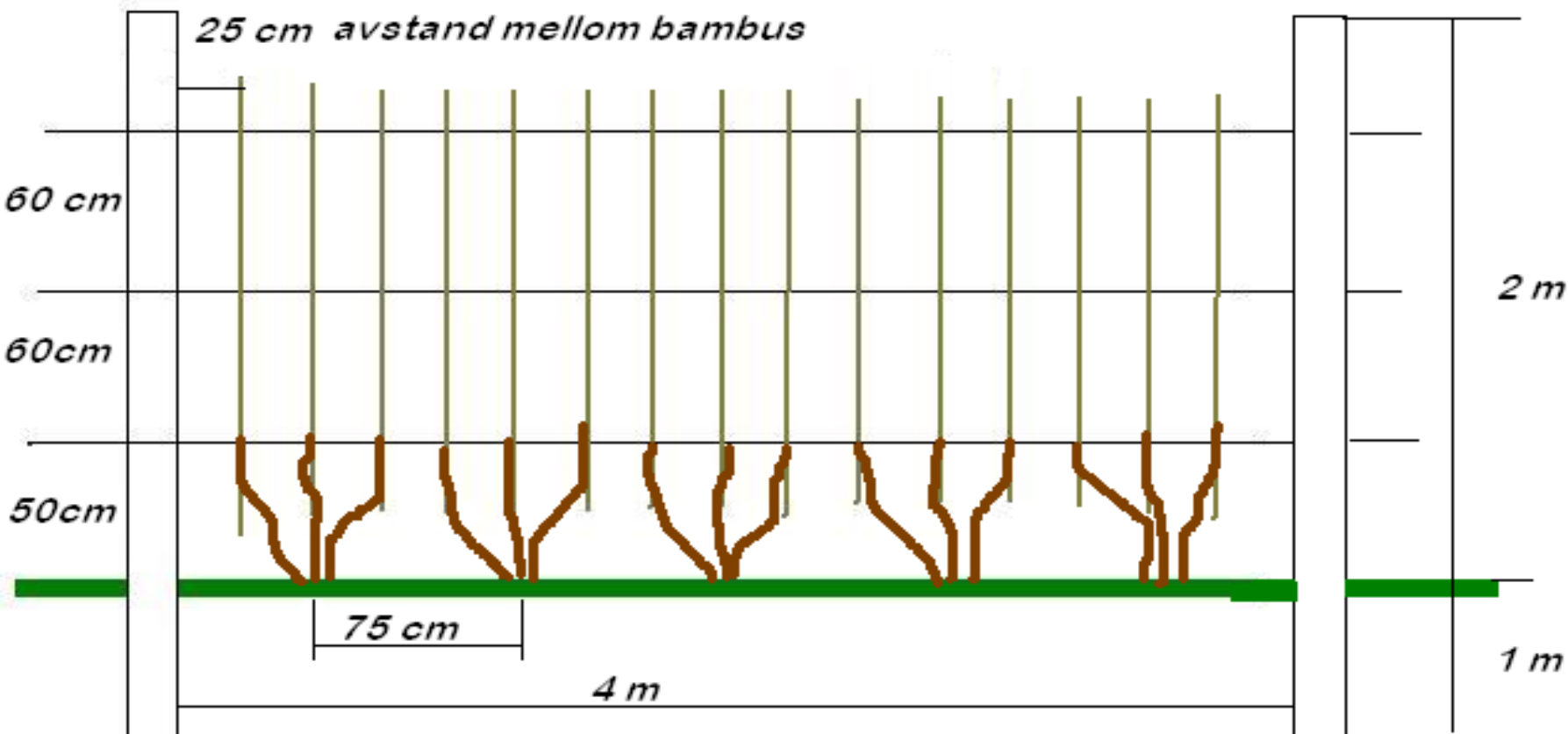
- Basic idea of cordon system it that to or tree trucks per plants are grown and tied vertical to bambus stakes
- Pruning removes old wood in order to renew the fruiting structure of the plants



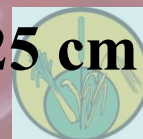
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- Red currants
- Red currants are planted about 75 cm apart
- Tre branches are selected as cordon and trained up bamboo stakes spaced at the center of the plant about 25 cm on each side



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22.05.2009

- In the next tree years cordons grow to a hight about 1.80 cm
- In is nessesery to remove alle flowers in the first year to maintain the grow
- Gradually during the first tree year we remove alle blades and branches up to 50 cm to reduce possibilty for disease spreading

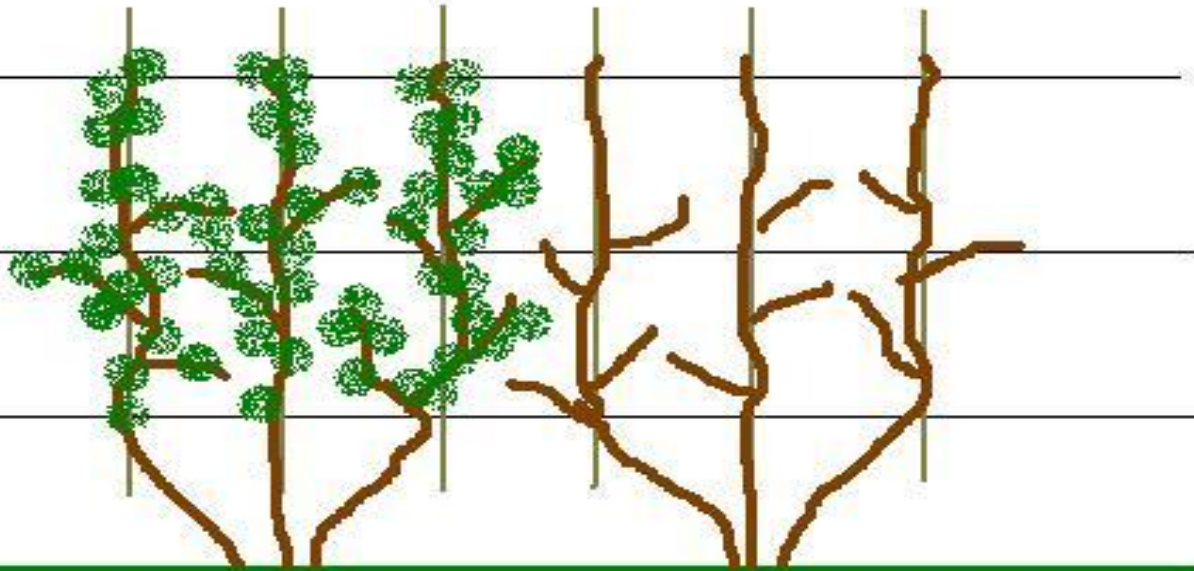


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*Tredje år*



- After tree year we can leave up to 10 lateral branches per plant that shall give yield
- During the same year, right after fruiting, this lateral branches that have borne fruit are removed



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- Very small branches and misplaced or crowding branches removes in the winter/spring
- Plant is completely renewed (except the cordons ) on an annual basis
- We leaving lateral medium side branches that will bear fruit. Up to five per cordon ( max 15 per plant )



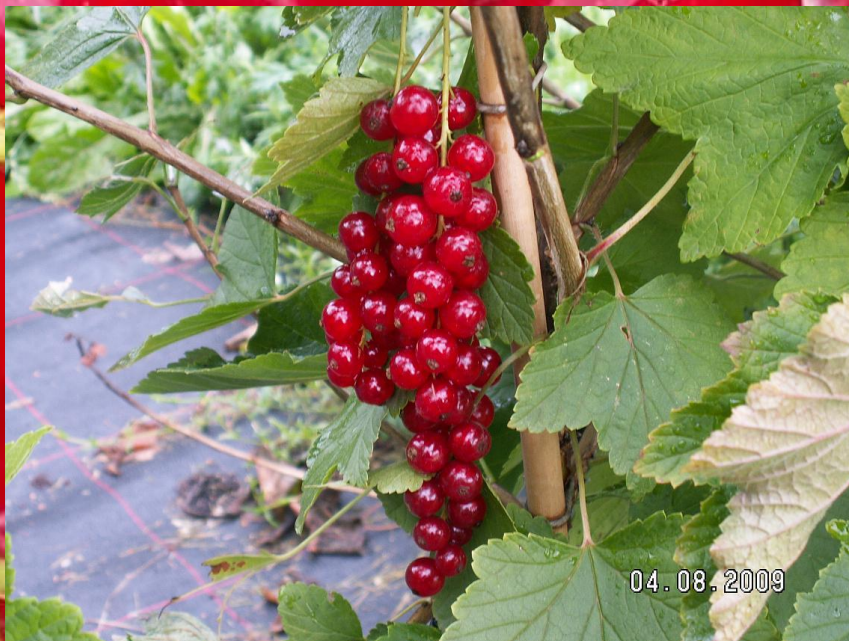
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**Well-formed strings of red  
currants from cordon trained  
plants**







**Recomended  
varieties**

**Red currants:  
"Rovada",  
"Rondom",  
"Junifer",  
"Jonkheer van  
Tets"**

**What about:  
Black currants :  
"desert cultivars "**



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## **Black currant**

- The same prinsip of cordon system.
- Can be difficult to get "enough" side branches. Head the branches whit most vigorous grow
- Difference between varieties



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# Advantages of cordon system

- Plants are opened up for better air circulation, spray coverage and harvesting
- Fruit quality is improved in terms of size and color.
- Pruning is simplified over bush system
- The plant's cordon does not constantly need to be renewed (trunk )





# Disadvantages of cordon system

- The system is more costly to establish
- ( 250 000 kr/ha = 30 000 € in Norway )
- Cordons can die out and need replacement
- Aphids





# Projects

- Red currant project 2010-2013
- Five producers testing four varieties in cordon training system
- Black currant project 2010-2013
- Six producers in Norway testing five varieties ( Ben Tron, Kristin, Big Ben, Ben Hope, Bona ) in cordon training system







**Thank you for  
your attention**



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