

Sea buckthorn cultivation in Finland now and the future progress

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The European Agricultural Fund for Rural Development: Europe investing in rural areas

EuroWorkS, Potsdam 2.-3.12.2010

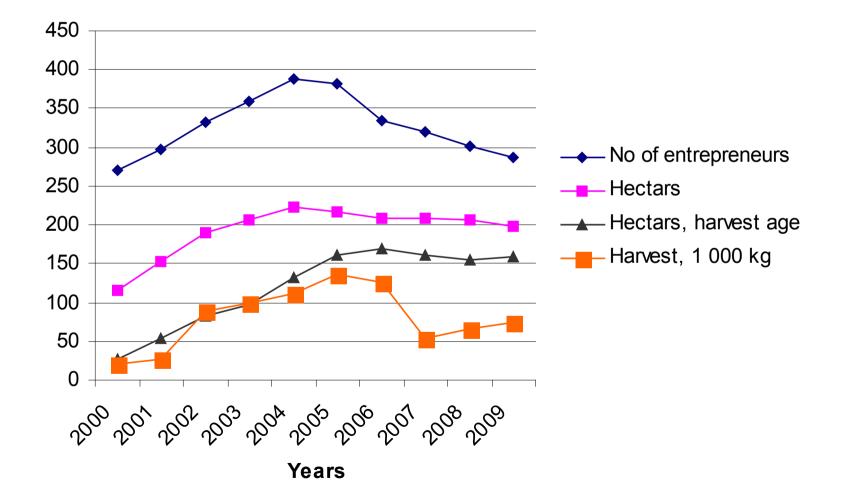


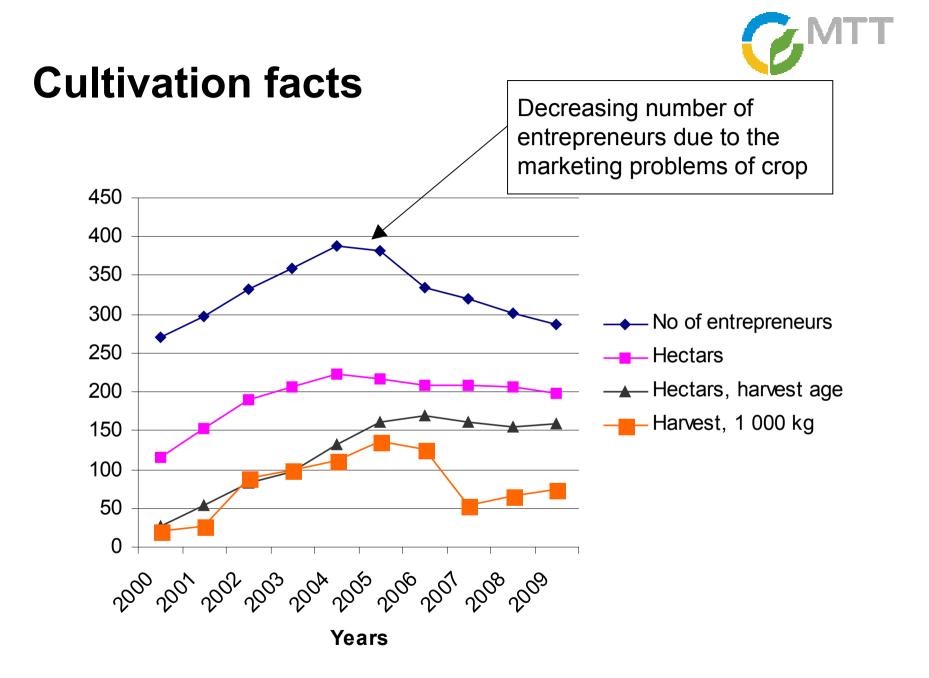
Cultivation facts

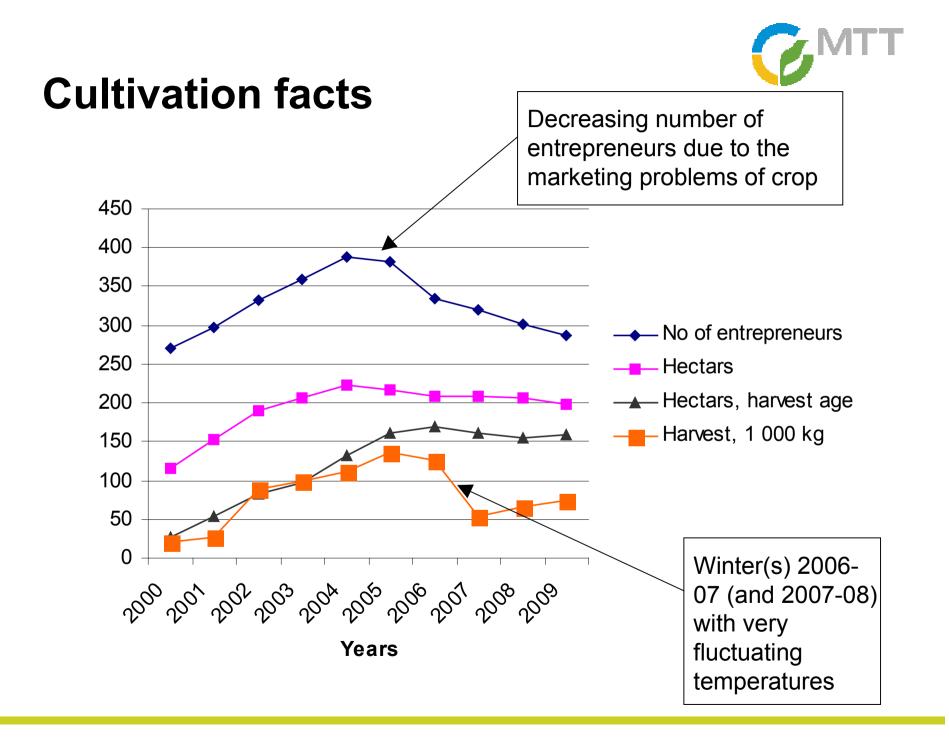
- Cultivation area 198 hectares
- Average plantation size 0,7 hectares
- In year 2010 harvest 74 tons, average harvest 465 kg/ha
- The best average crop in year 2002: 1072 kg/ha
- Harvest by hand picking and suckers, in recent years also by hand cutting
- Varieties: Russian varieties from Moscow State University, seedlings from crossings of Moscow varieties and natural strains, seedlings from natural strains, Finnish varieties Raisa, Terhi, and Tytti and males Rudolf and Tarmo.

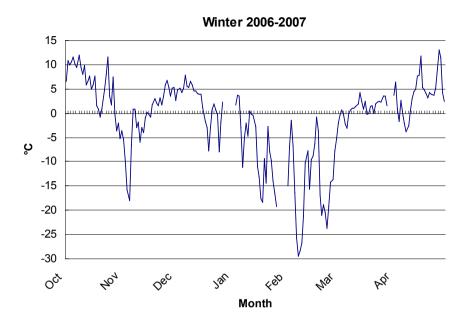


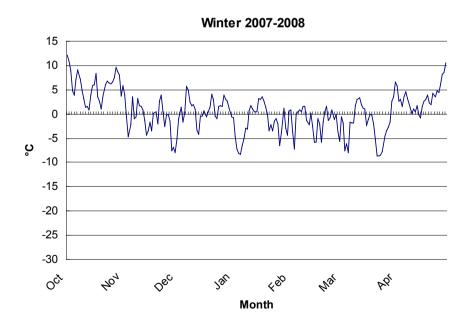
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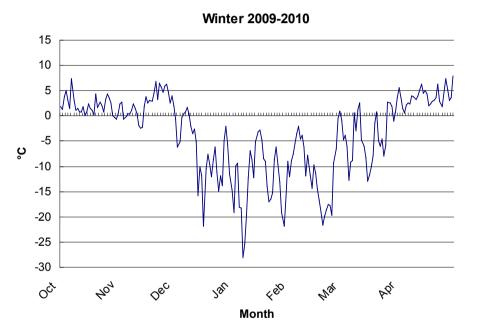














Progress already in process

- Motivated entrepreneurs in Western Finland
- Harvesting machines for cutting method already exists
- Good products exists
- Processing lines for fractioning of the berry exists
- Buyers for the products exist
- Bigger plantations coming soon
- BUT we are still lacking of winterhardy, disease resistant and productive varieties for Finnish climate (or the testing of existing Finnish varieties/strains for harvesting by cutting method is not done yet)



Variety selection

- A goal is to find new varieties for Finnish climate based totally on our natural populations
 - Selection of 20-30 female strains and 5-10 male strains from already well-proved individuals from the west coast or farmers are going to be planted to test fields in three places
 - Fruit size, yield, winter hardiness, disease resistance, cutting behavior, quality of berry, seed and leaf
 - Already about 20 individuals selected and propagation by cuttings started, test places selected, during the summer 2011 test fields will be prepared and more plants propagated, also more good seedlings will be selected
 - Test fields ready in the summer 2012
 - Earliest results of the yield potential and other characteristics in 2018



Symptoms of stem canker

•studied in Finland to be caused by fungus *Stigmina* sp.







