

## **History**

Roadside plantings, recultivation Trials with *H.rhamnoides ssp. mongolica* 

Since 1984

H.rhamnoides ssp. mongolica x (H.rhamnoides ssp. rhamnoides + H. rhamnoides ssp. fluviatilis)

Area of plantations 350 ha, average yield 4 t/ha

Demand exceeds supply, price increases

New trend of logistics

# **Growing conditions in Latvia**

Active growing season 180 – 200 days

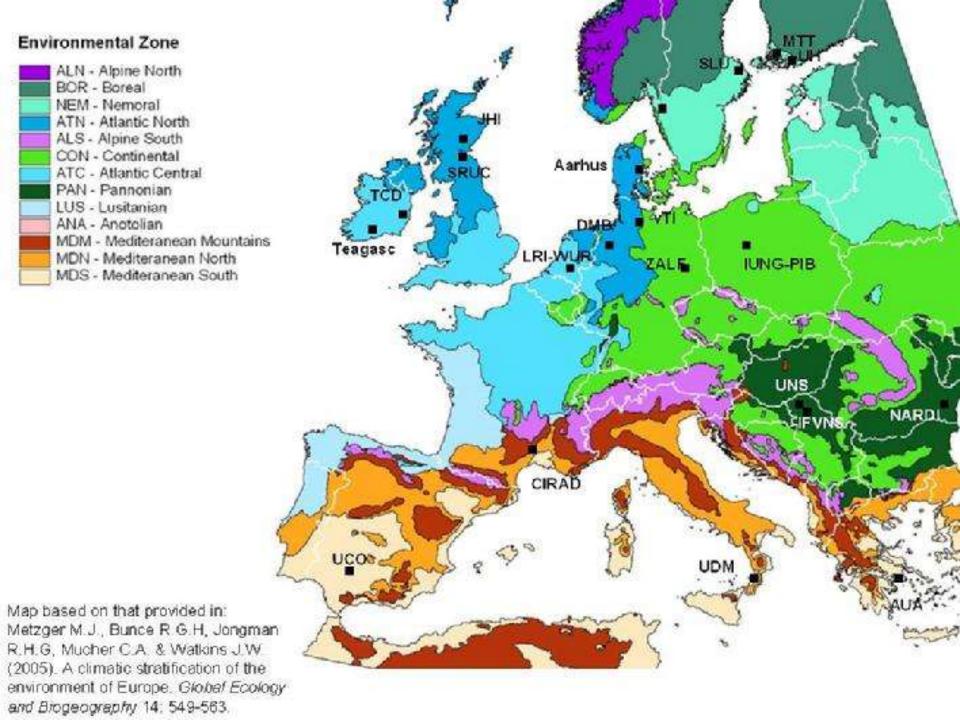
Sum of temperatures above zero - about 2000° C

Changing winter temperatures, especially along the seaside

Continental SBT varieties are not winterhardy

#### **Environmental groups of SBT varieties**

- A. Selections of native SBT in Germany (Sirola, Leikora, Hergo, Askola, Habego, Dorana, Frugana, Orange Energy, Pollmix etc).
- B. Selections of native SBT in Finland (Tytti, Terhi, Tarmo etc).
- C. Crossings between continental Russian varieties with native SBT from southern coast of Baltic sea (Botanicheskaya Ljubitelskaya, Prozrachnaya, Podarok Sadu, Marija, Tatjana, Lord etc).
- D. Crossings between continental Russian varieties with native SBT from northern coast of Baltic sea (successful trials since 2004, no commercial plantations yet).



#### **Choice of varieties**

C and D groups, because of:

- Large and juicy fruits. Outcome of juice is 85%, instead of 55% from A and B groups
- Less stellate hairs
- Drinks require less sweeteners





## **Young plants**

Bare root plants more popular than potted ones

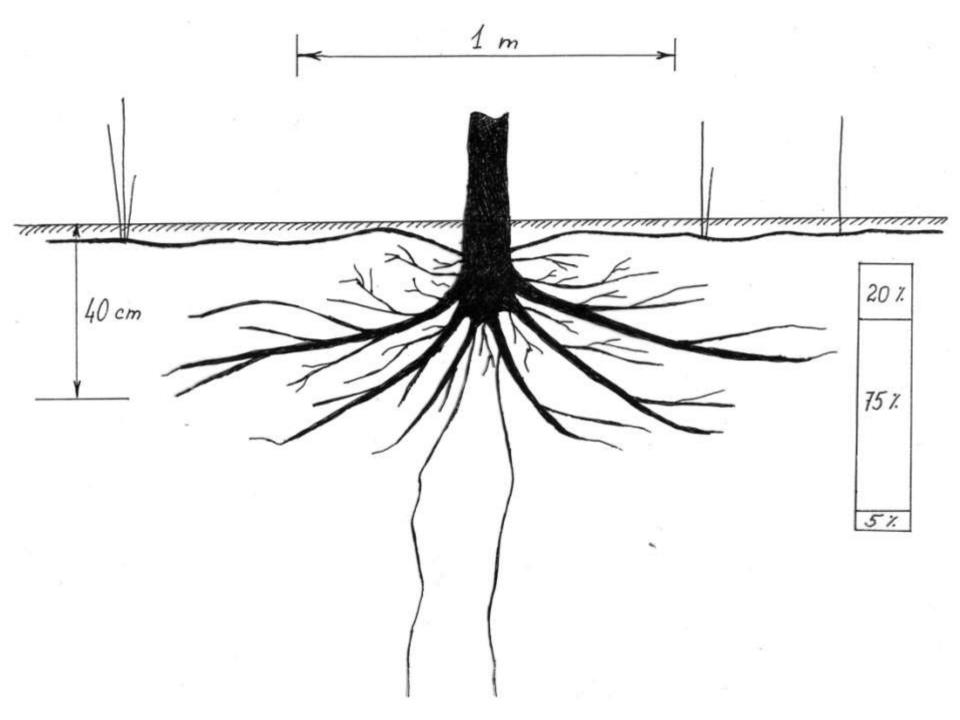
Overwinter in nursery, planted out in spring

Root suckers are used for replacing of dead plants



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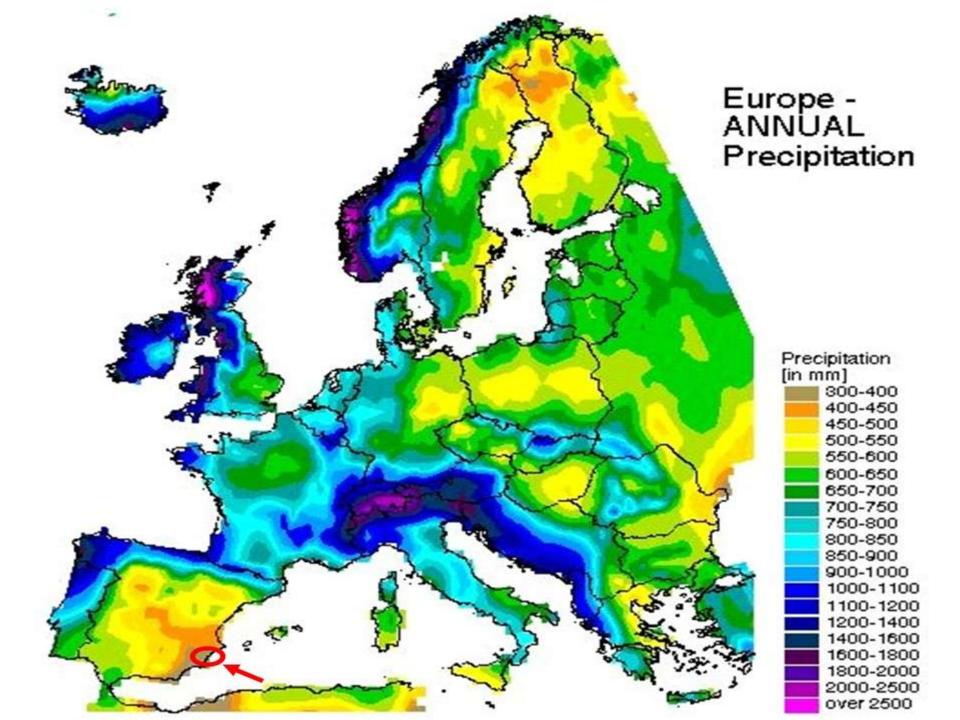


## Watering

Water deficiency leads to:

- Bad overwintering
- Less fruits, unpredictable yield
- More pest attacks

Best sites – floodplains out of flood reach, groundwater level about 100 cm







#### Total cut

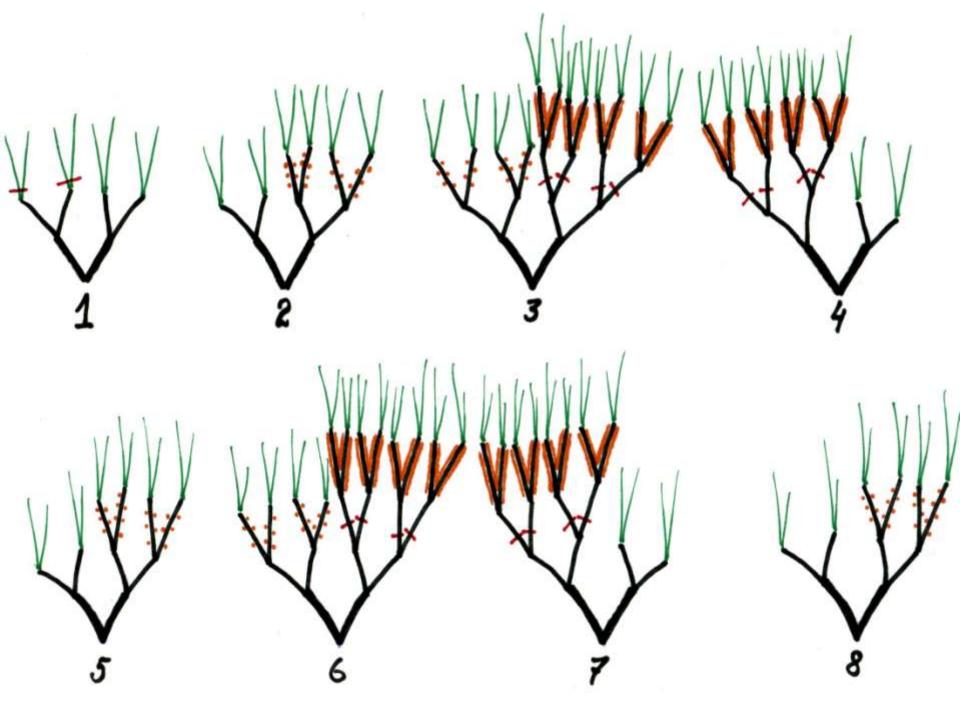
Still active growth in September, carbohydrates are not yet stored in the lower part uf trunk and roots

SBT varieties in Latvia do not tolerate this way of harvesting









## **Advantages**

- Yielding part of the bush for a long time is located at easy accessible height
- Bush is gradually rejuvenated, avoiding long interruptions between harvesting years

#### **Conditions**

- Sufficient growing factors (soil, water, nutrients, light, temperature)
- Late harvest
- All branches on the harvesting side must be removed



