

"Pear Production-the Dutch way"

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- www.fruitconsult.com -



FRUITCONSULT BV

international consultancy and research for apples and pears







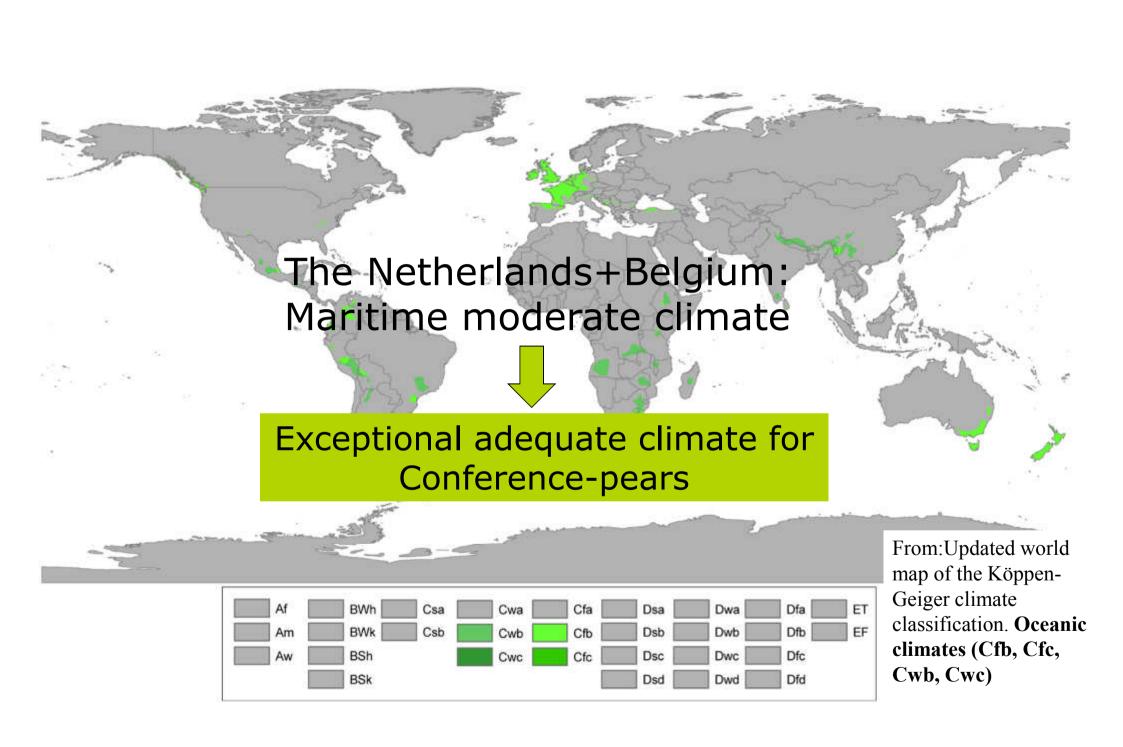


The Netherlands (NL)

The Netherlands

- Latitude: 51-53° (Minsk ...)
 - Ferrara: 45°
- Maritime moderate climate
- Precipitation: 800 mm/year
- Soil: clay soil with pH>6.5
- CEC between 150-250 mmol+/kg





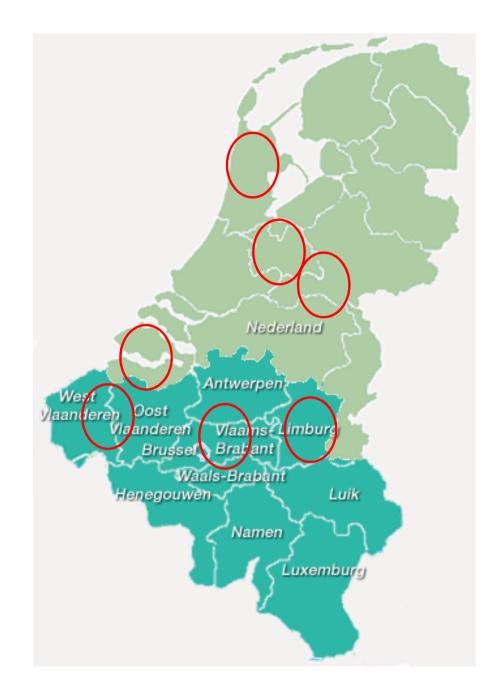


Netherlands+Belgium:

- 15 000 ha Pears
- Increasing area Conference

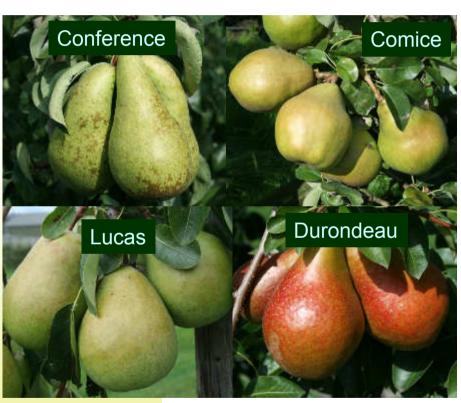
Production

- 500 000 600 000 ton
- Avg: 35-40 ton/ha





NL + B



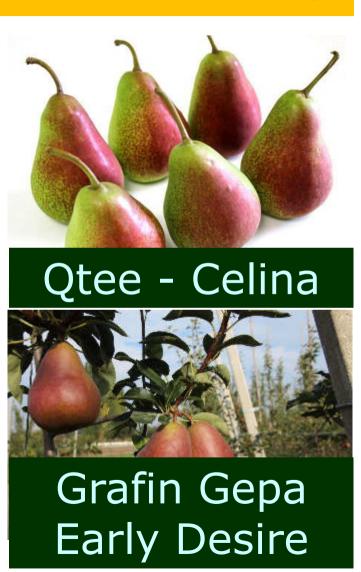
Varieties:

- 80 % => Conference
- 5% Doyenne du Comice
- 5% Beurré Alexandre Lucas, Durondeau
- 10% clubvarieties
- No Abate Fétel



Club varieties (500-1000 ha)







PLANTING SYSTEMS AND ROOTSTOCKS



Quince C 60 % orchards



Quince Adams 35% of orchards



Quince Eline
More and more
60% new orchards

Important for Conference -pear -> Young branches (1-3 year) produce large and long fruits

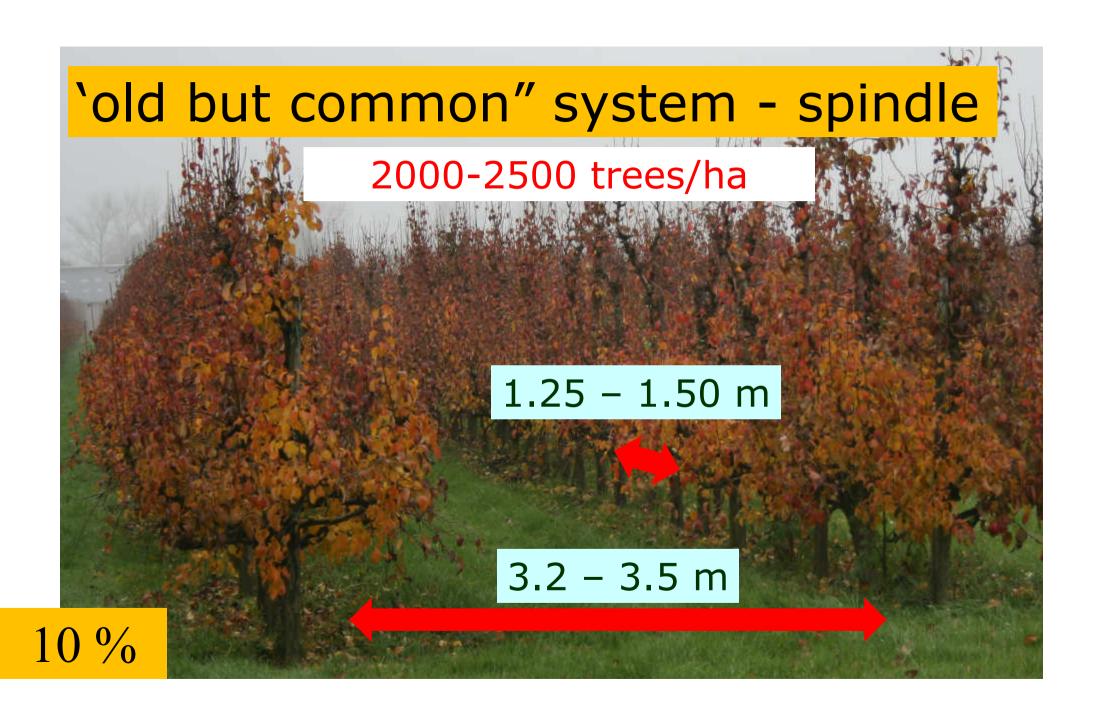




Conference:

Storage up to 11 months







Renewal of old systems by selecting only young branches and removal of old thick branches

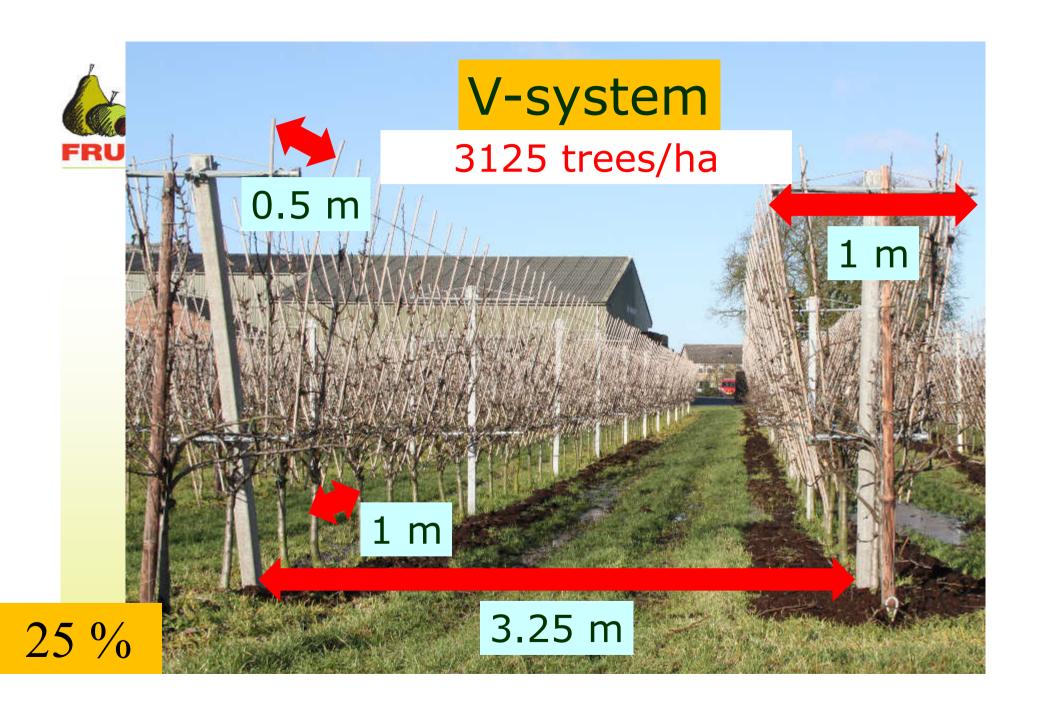
'modern' - spindle 3,25 x 1,0 m

3125 trees/ha

2 wires to keep branches up

young branches



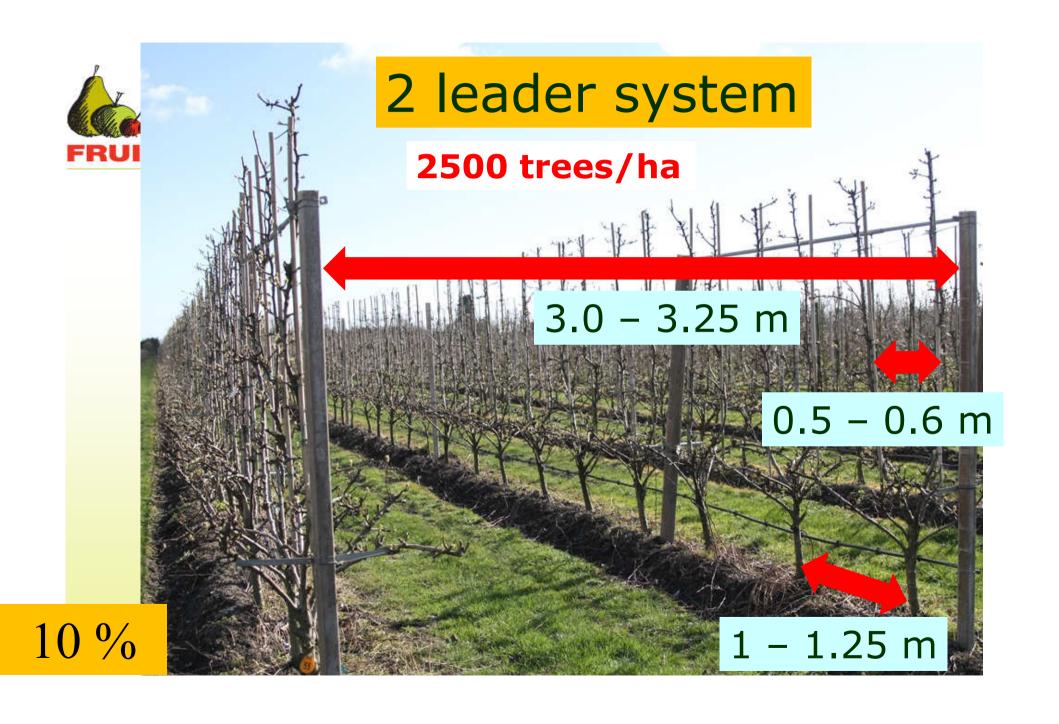




10 %

Super spindle

6666 trees/ha 2.8 - 3 m





REALISTIC PRODUCTIONS Conference

Modern systems : 50-60 tons/ha

V-systems : 70-80 tons/ha

Avg NL : 40 tons/ha

Good modern system with good planting material can produce:

Planting year : 0

2nd year25 tons / ha

3rd year40 tons / ha

4th year50 tons / ha

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Growth control is the key factor for stable and high productions









SPRING FROST



QUALITY

LEAF-QUALITY



FERTIGATION





MAIN CHALLENGES - PEAR

Pollination (Comice, Lucas, Migo) - > production



- Russeting (frost, wind, sorting/packing, spraying programs)
- Limited Shelf life (Smartfresh)
- Crop protection major problems:

- nr 1 : Psylla Pyri

- Nr 2 : Stemphylium vesicarium

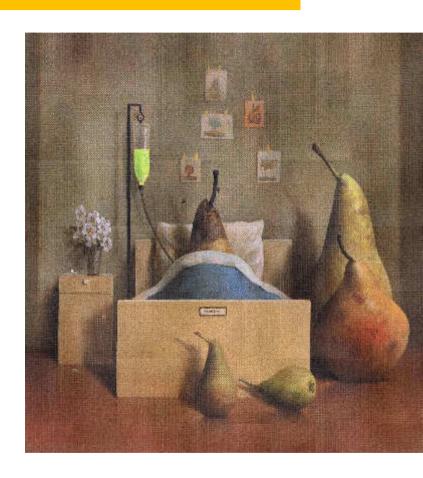






MAIN CHALLENGES - PEAR

- Organic production: very hard because of production and scab
- Monoculture Crop protection is weak point
- Despite our unique climate for growing very tasting and wellshaped Conference we are not able to use this unique sales power. The variety is free and growers stubburn. Price is under pressure.
- In 2013 50% of our production was sold to Russia





DEVELOPMENTS

- Search for a bi color pear with a good taste (competition to Forelle)
- Better techniques for Smartfresh
- Artificial pollination on Comice, Migo
- Iron deficiency with HBED chelates
- Year round delivey of Conference









THANK YOU FOR YOUR ATTENTION

More info?

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