

Lillie Andersen & Tek Gotame
Department of Food Science
AU Faculty of Science and Technology

Organic raspberry production in tunnel

European Union  The European Regional Development Fund

**The Interreg IVB
North Sea Region
Programme**

*Investing in the future by working together
for a sustainable and competitive region*



Aim

To evaluate a new cultivation system in tunnel

Tunnel production has several advantages

- Slightly higher temperature
- Protected from precipitation
- Fertilisation and irrigation optimised
- Biological control of pests and diseases
- Organic production possible

European Union  The European Regional Development Fund

**The Interreg IVB
North Sea Region
Programme**

*Investing in the future by working together
for a sustainable and competitive region*



Materials & methods

Raspberry grown in the soil in raised beds in tunnel
Pruned to 10 canes per meter
Covered from April to October
Irrigation and liquid fertiliser/pellets 3 times (March, May, June)

Annual and biannual cultivars

Pests and diseases

biological control in the season (several times)
soap against aphids several times
Spruzit used once against pests
Feromones against raspberry beetle

 The European Regional Development Fund

**The Interreg IVB
North Sea Region
Programme**

*Investing in the future by working together
for a sustainable and competitive region*





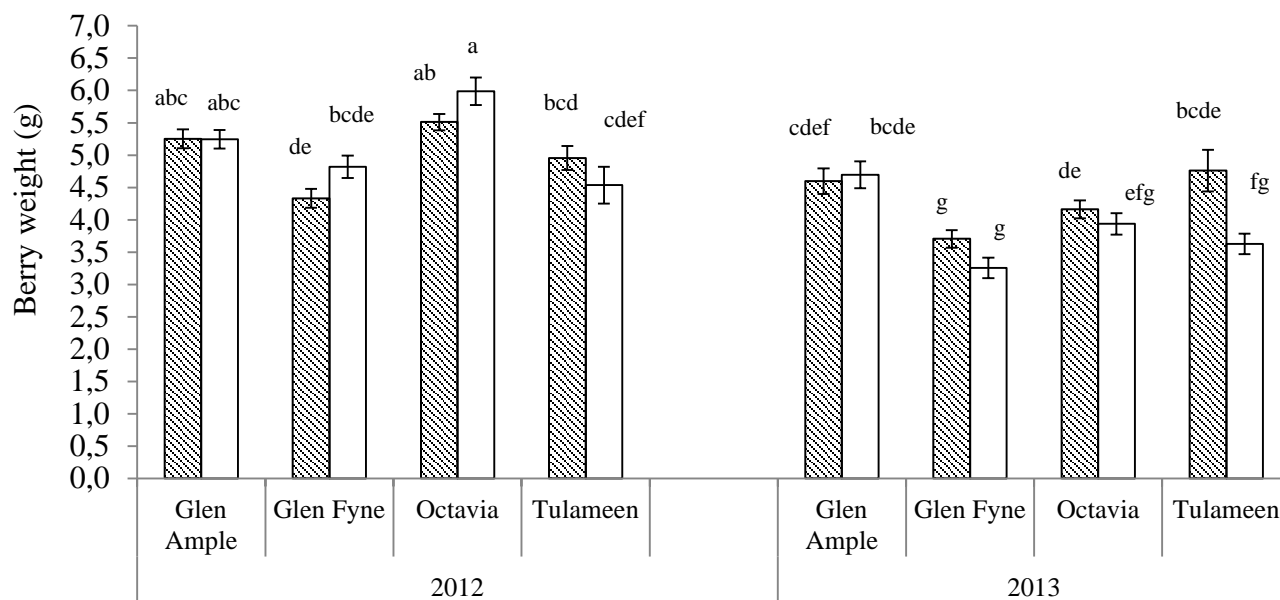
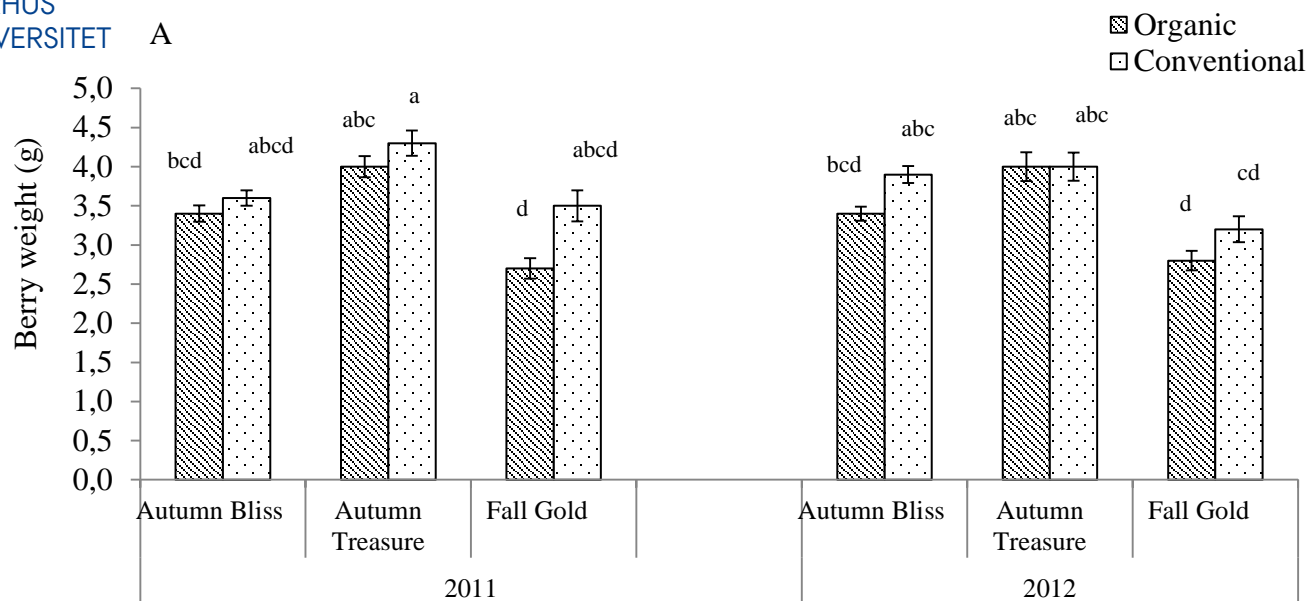
European Union  The European Regional Development Fund

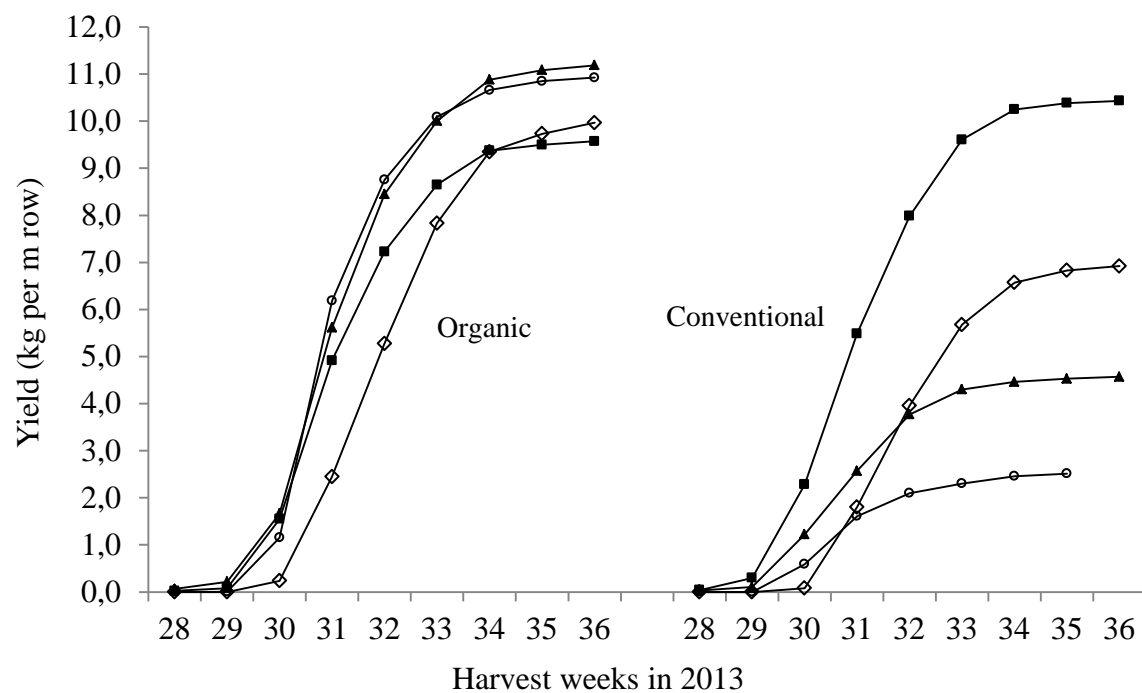
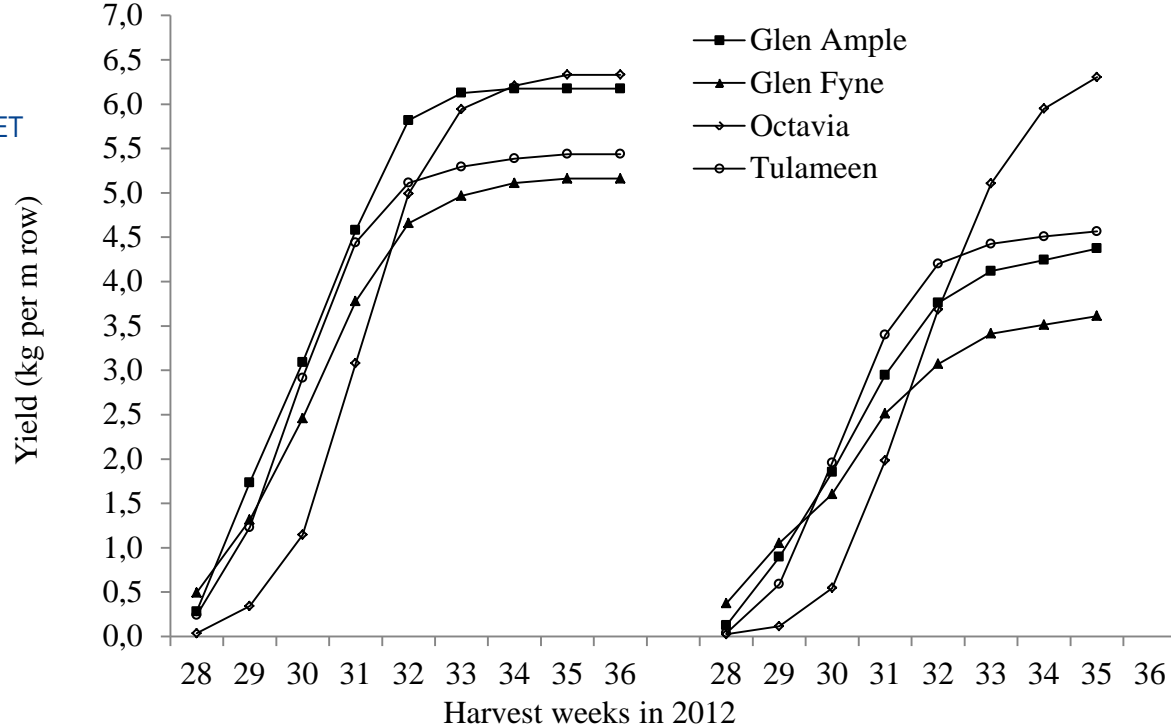
The Interreg IVB North Sea Region Programme

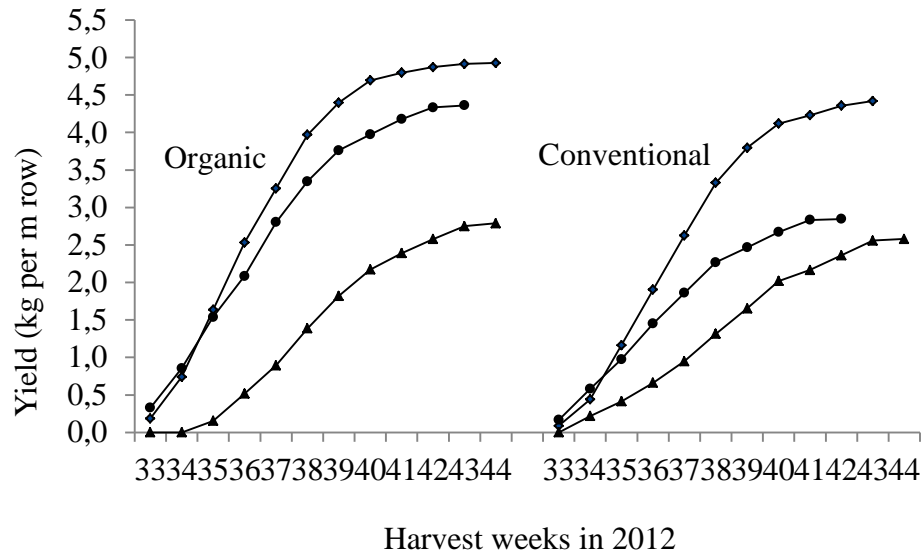
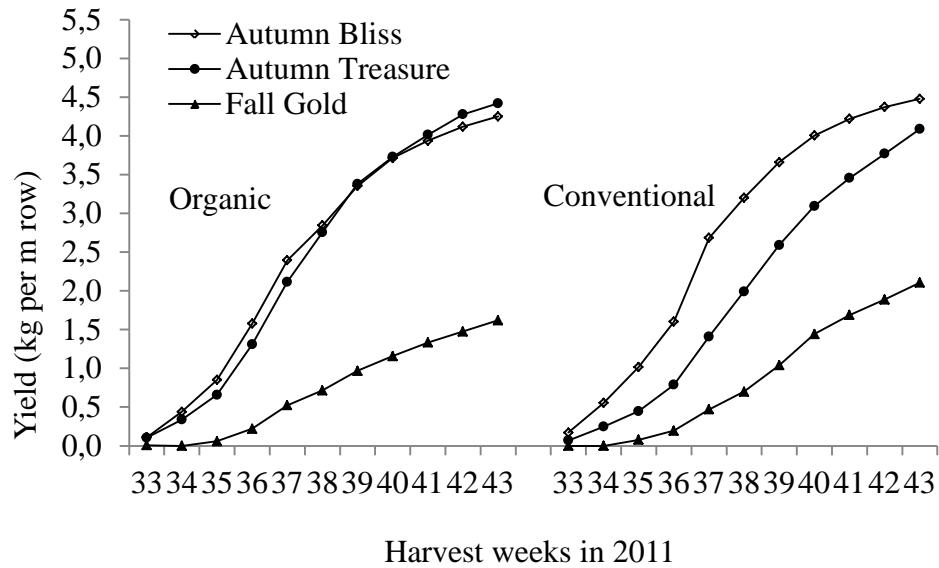
*Investing in the future by working together
for a sustainable and competitive region*



A







Conclusion

- › Raspberry can be grown as organic in high tunnels with yield as high as conventional
- › High tunnels with natural air ventilation can be used
- › Plastic covering from late May to end of season
- › Cultivar is important
- › Raspberry beetle should be controlled
- › Pruning of the canes to ex. 10 canes per meter
 - › Decreases density and maybe grey mold problems

