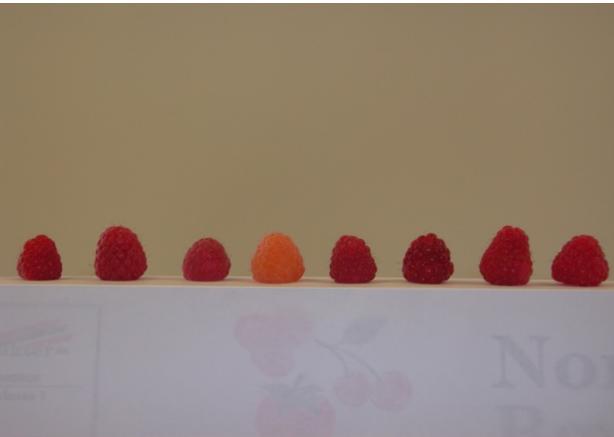


Quality Components of Berries of Red Raspberry

Sebastian Mazur and Arnfinn Nes
Bioforsk, Norwegian Institute for
Agricultural and Environmental Research

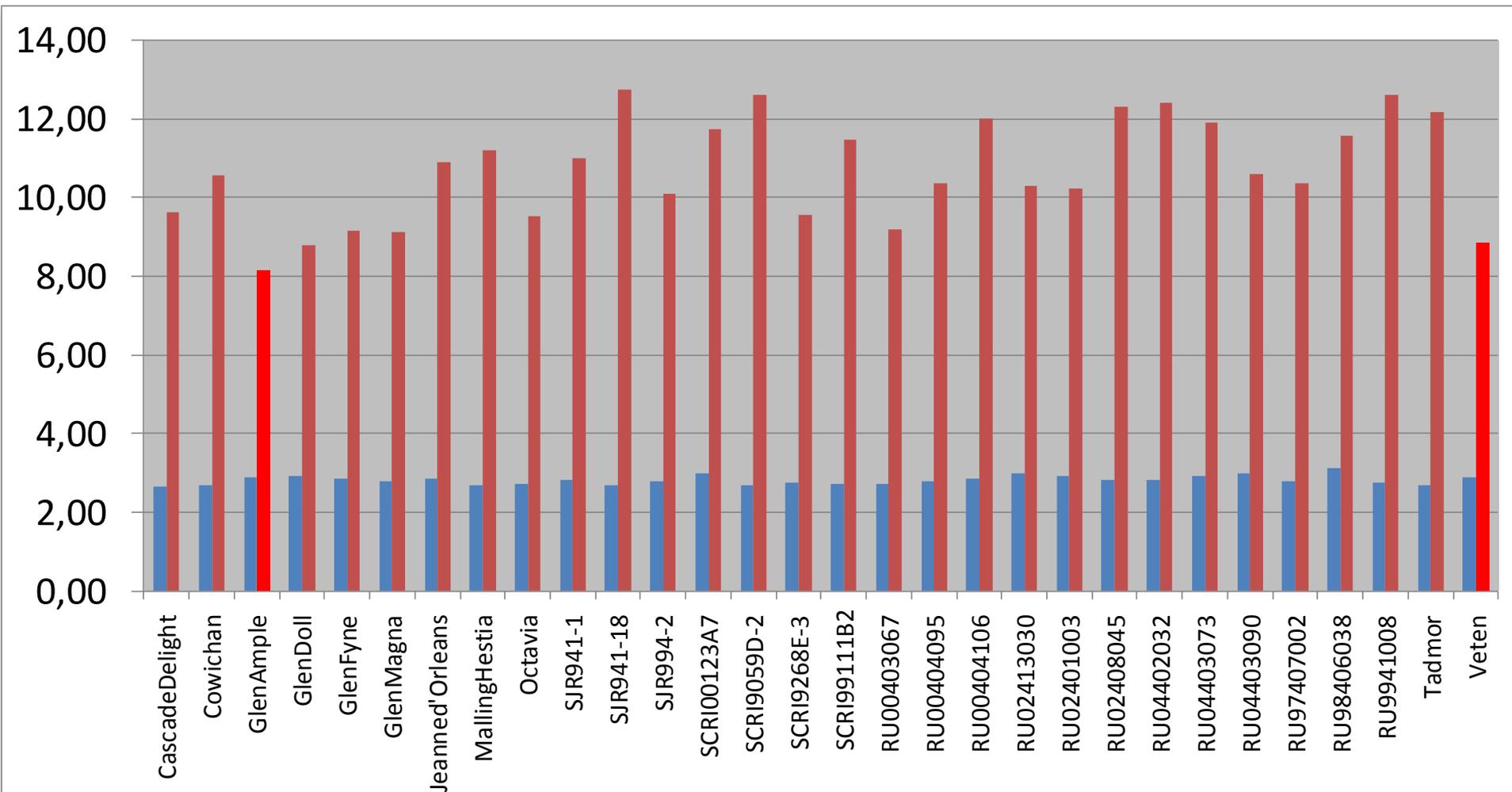
Kjersti Aaby
Nofima, Norwegian Institute of Food,
Fisheries and Aquaculture Research



Project title: "Cultivar of Strawberry and Red Raspberry for Proseccing"

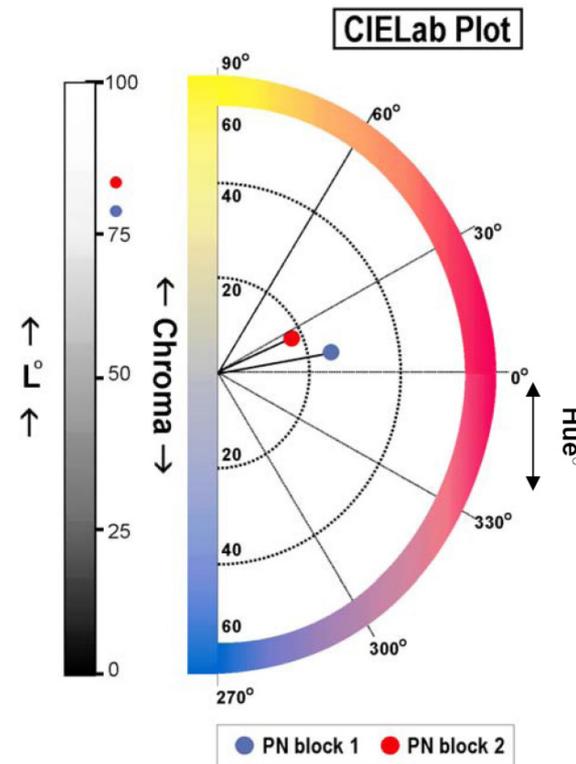
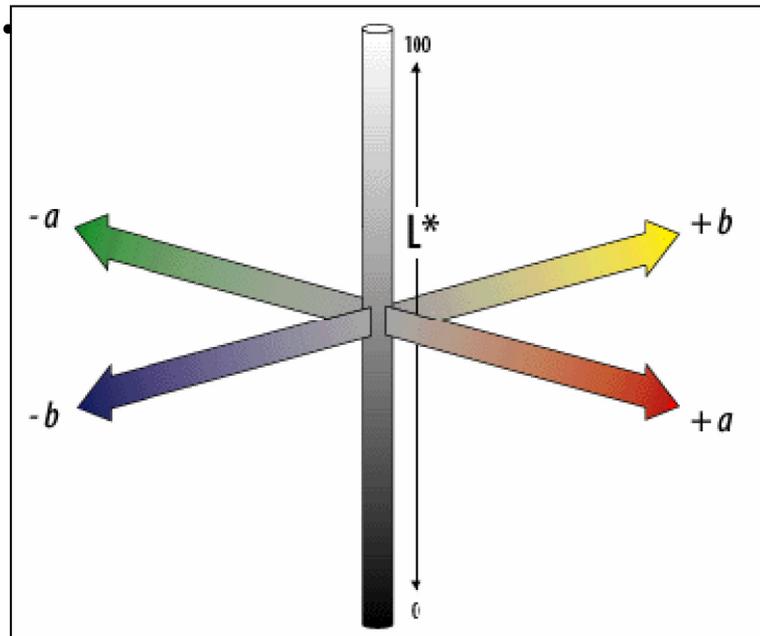
- There are several WPs from selection and testing seed plants in the field to analyses of
 - Colour (L^* , a^* , b -values, HunterLab)
 - Chemical compounds
- *Total antocyanins* (mg/100g FW)
- Total phenols (mg GAE/100g FW)
- Dry matter
- pH
- Soluble solids (Brix)
- Total ascorbic acid (mg/100 g FW)
- Titratable acids as citric acid (g/100 g FW)

Soluble solids (Brix) and pH in cultivars and selections of red raspberry

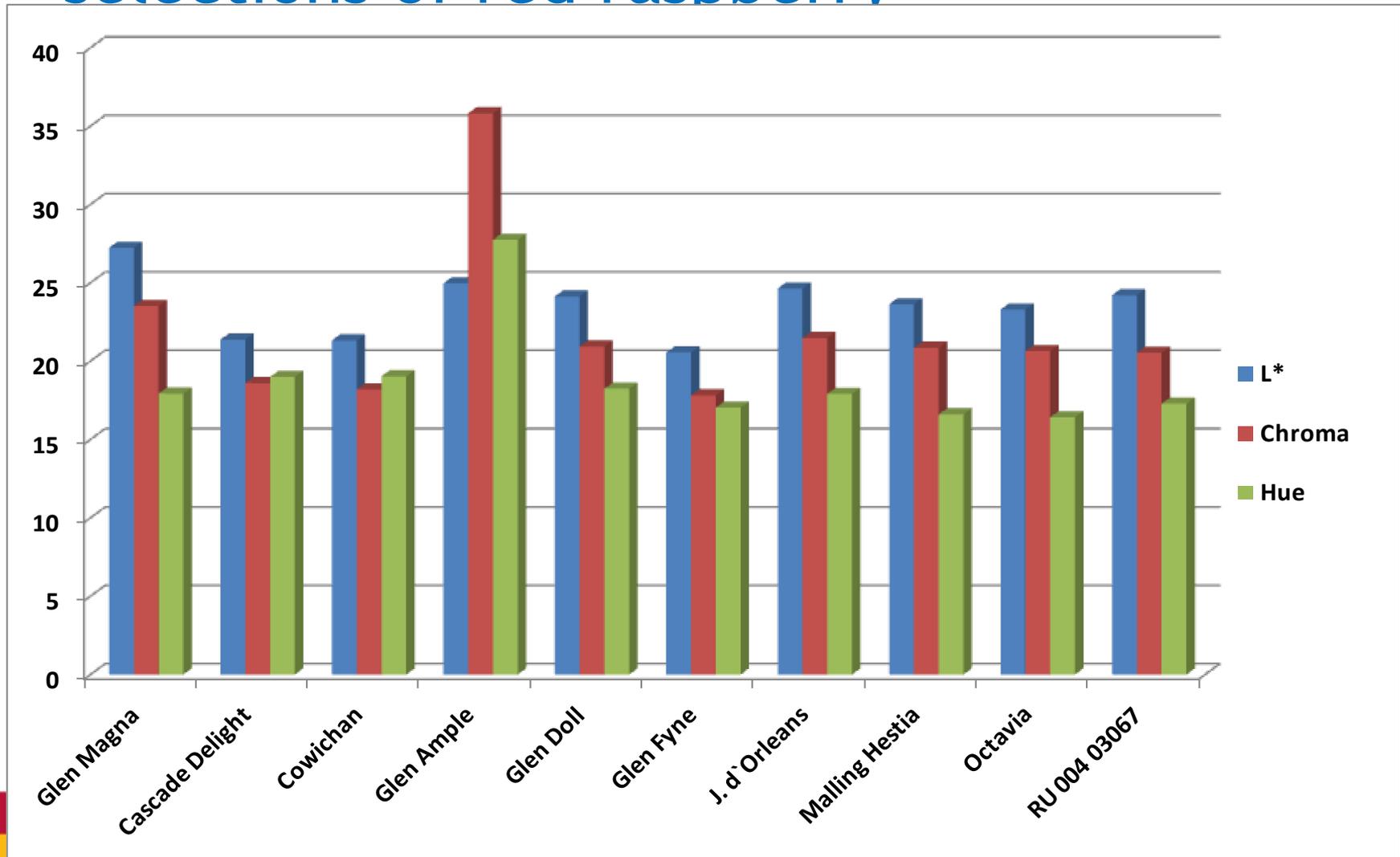


Colour measurements

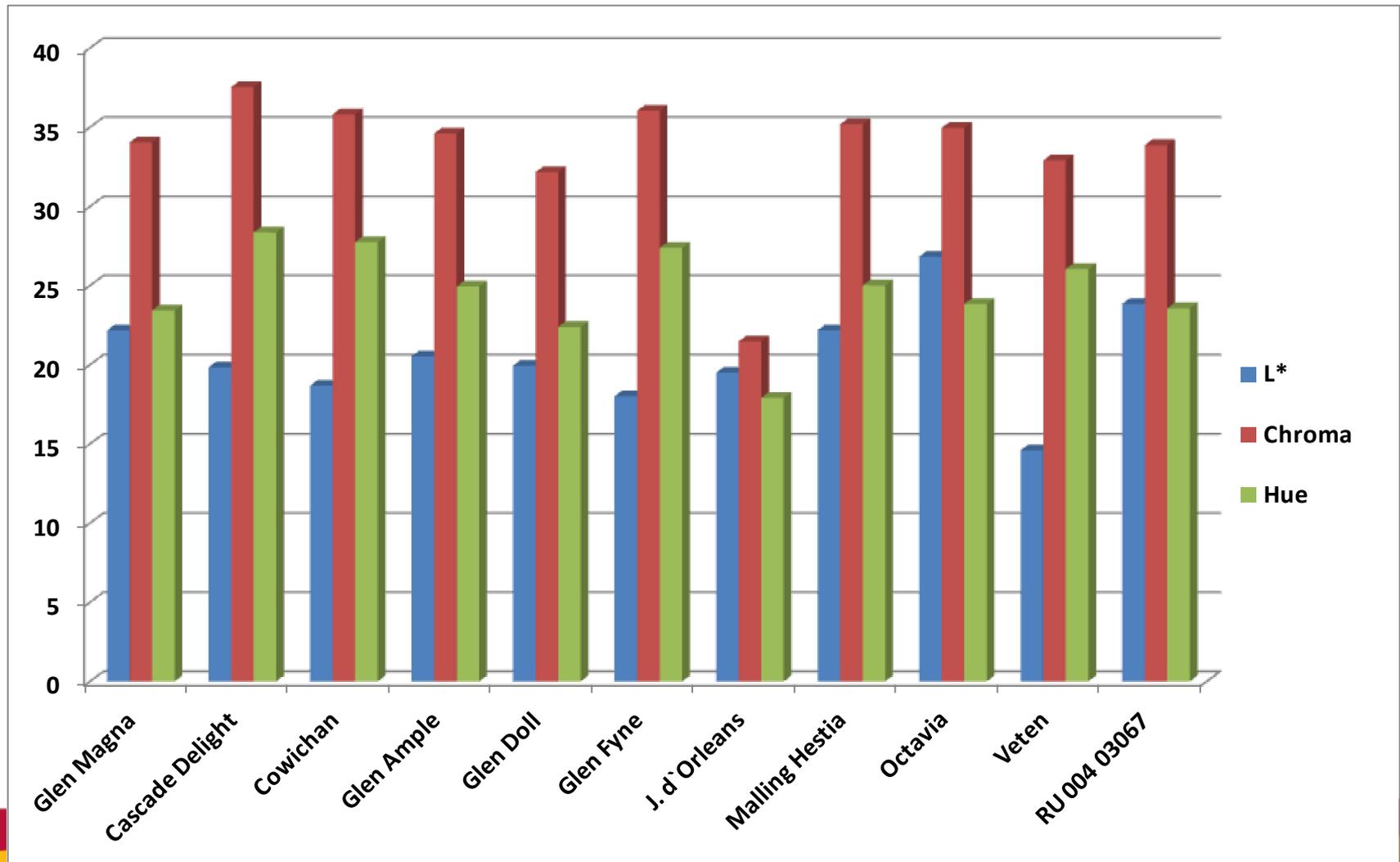
- L = lightness (0 = black, 100 = white)
- A - values: (negative a = green, positive a = red)
- B - values: (negative b = blue, positive b = yellow)
- Hue = $\arctan b^*/a^*$ (high value = red-orange and low value = bluish colour)
- Chroma: transition from grey (low values) to pure colour (high values).



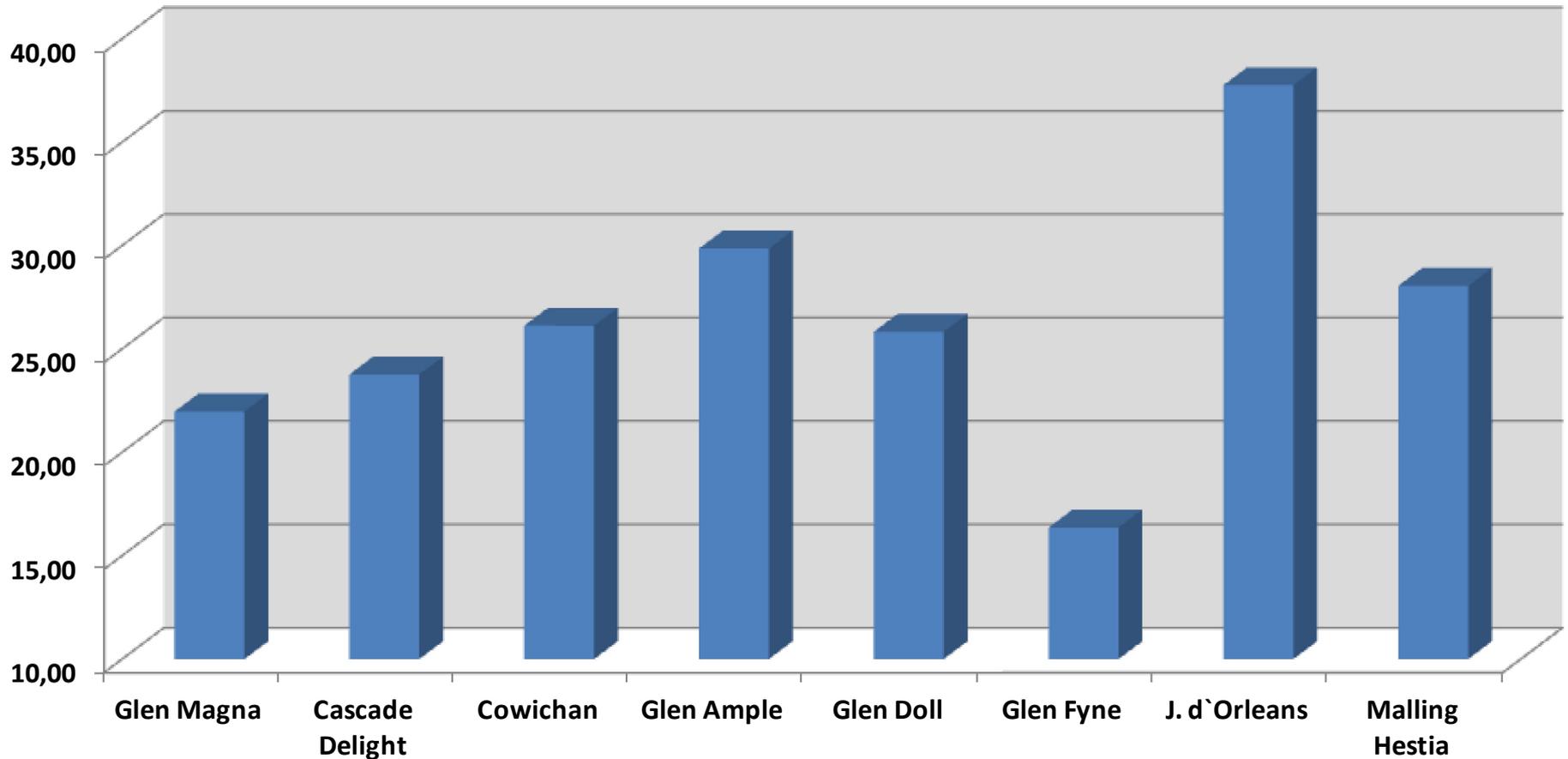
Outside colour of cultivars and selections of red raspberry



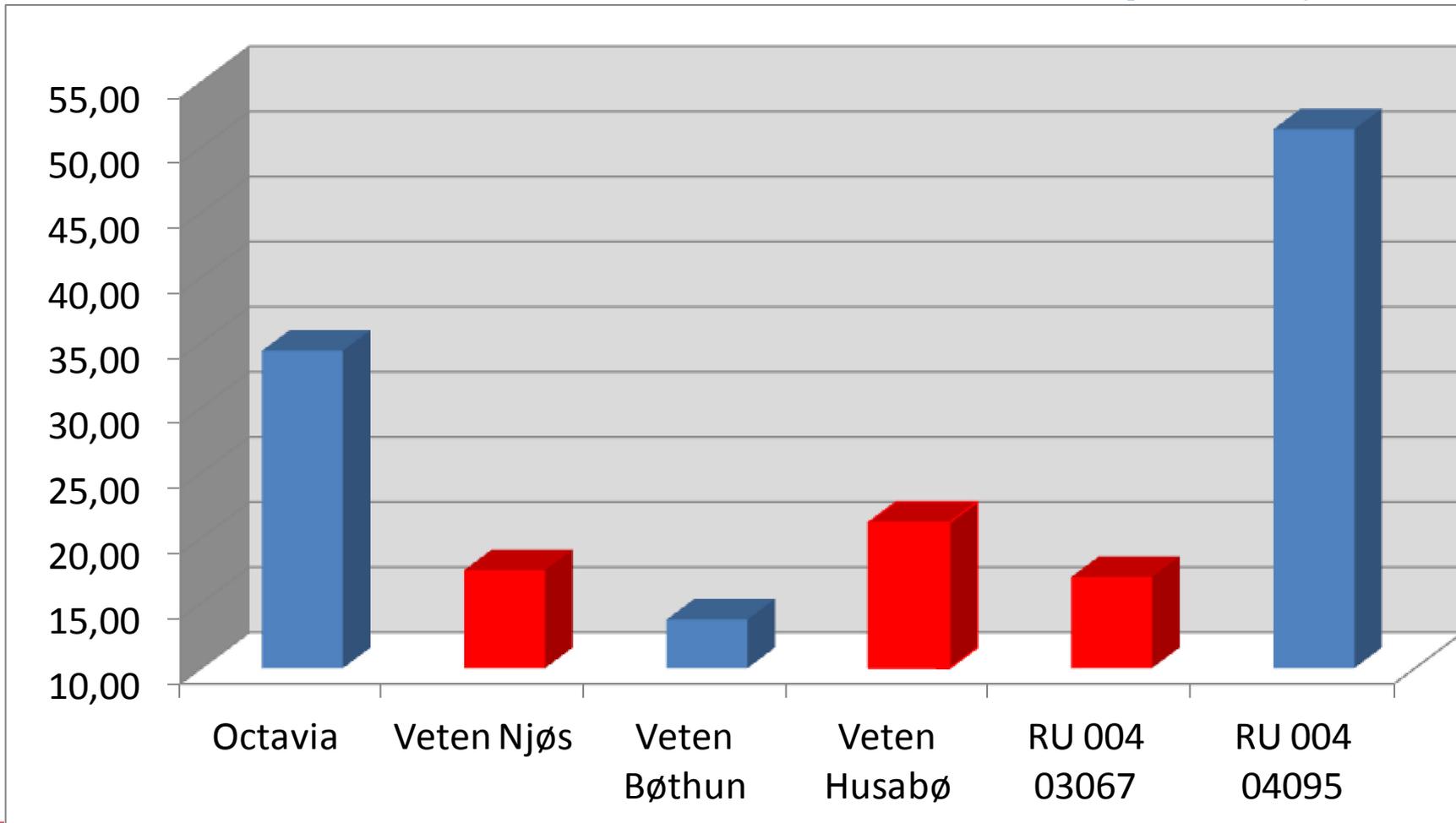
Colour of mashed raspberry cultivars and selections



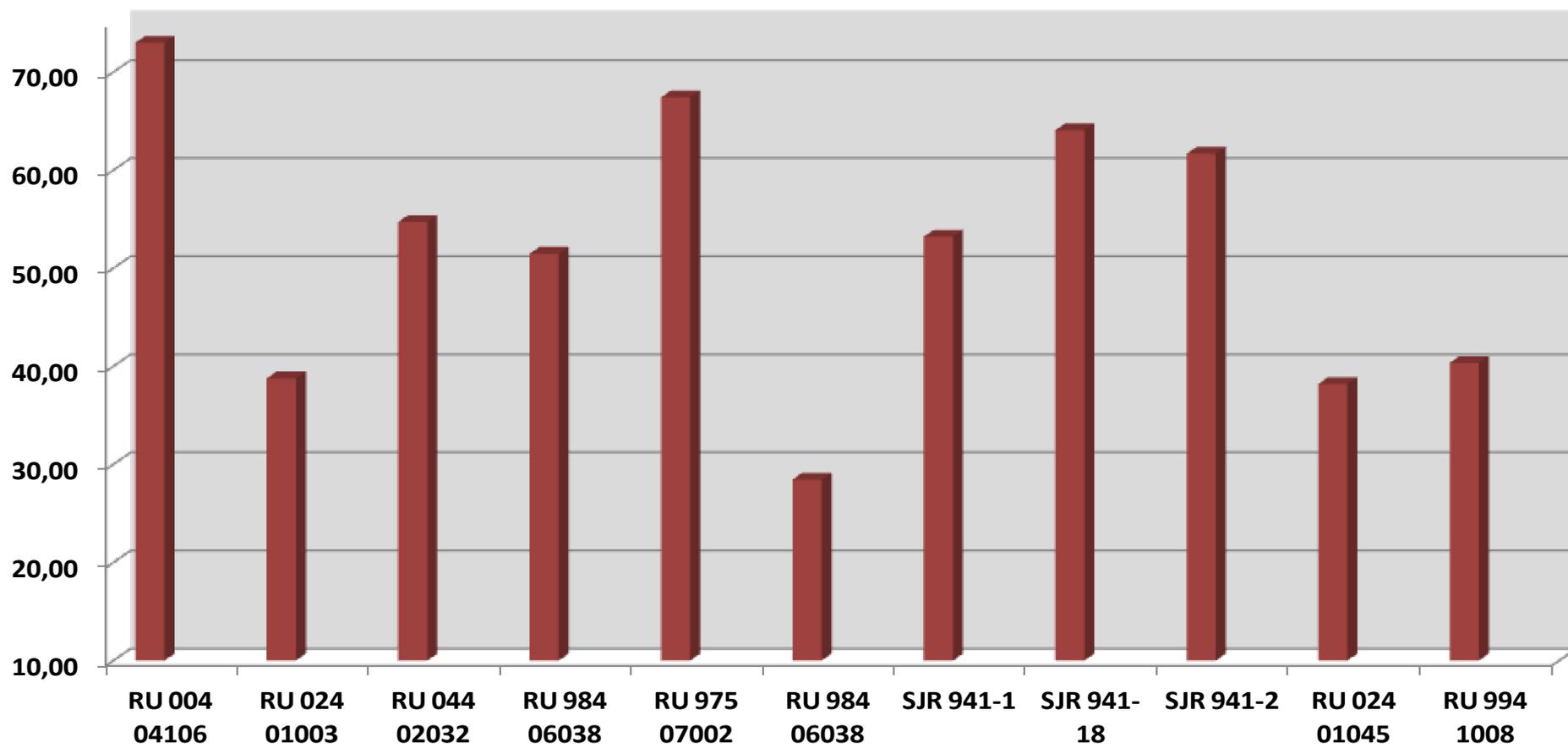
Total ascorbic acid (mg/100 g) in cultivars of red raspberry



Total ascorbic acid (mg/100 g) in cultivars and selections of red raspberry



Total ascorbic acid (mg/100 g) in selections of red raspberry





Glen Ample

Thank you



Glen Fyne



Veten



Glen Doll