Delphy Innovative Soft Fruit Centre Everbearer Research

Jordbærkonference 2022

Worldwide Expertise for Food & Flowers

Why everbearers?

- Junebearers → peak production
  - Peak assimilate requirement
  - Peak energy requirement
  - Peak labour requirement
  - Peak = stress
- Advantages everbearers:
  - Possibility to ballenced production
  - Good potential fruitsize, productivity, quality & taste
  - Cost effcient
- Everbearers → huge potential BUT complex!

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What about new cultivation strategies?

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Development of new cropping strategies

- Development started becaus of:
  - Desire for almost yearround without artificial lights
  - Possibility summer production under glas
  - No peaks → production, labour etc.
  - Potential >15kg/m2/year
- Leads to cultivation of fresh everbearers
- Other important advantages:
  - Energy wise interesting
  - More possibilities for IPM
- Challenges:
  - Idea is still far from practice
  - Everbearers are so far not easy to grow…

Design of the cultivation plan

- Success is made in strategy!
- Steps in design:
  - Start designing from production
  - Choosing planttype → propagation strategy
  - Counting back the moment for planting mother material
- Design of the cultivation (& propagation) plan does not match with 'traditional' practice…

Think different.

Making tips

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Trayplant propagation

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Fresh everbearers under glas

Climate strategy → growing in balance!

- Important points in the strategy:
  - Everbearers are not day-neutral!
  - Everbearers are almost like human..
- It is very difficult to see if an everbearer is:
  - Vegetative or generative developing
  - Strong or weak growing
- Solution:
  - Integrating RTR strategy
  - Implementing data driven growing
  - Try to simplify processes…

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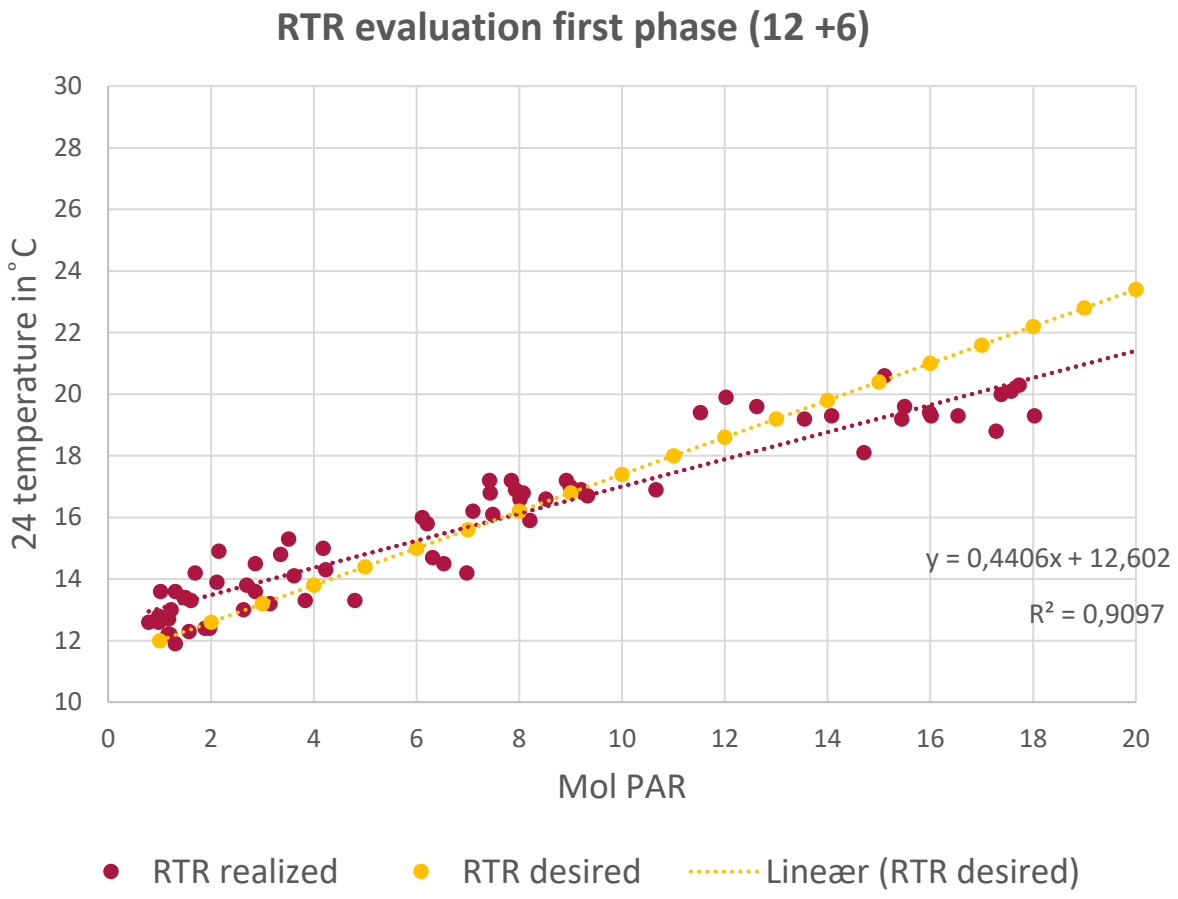
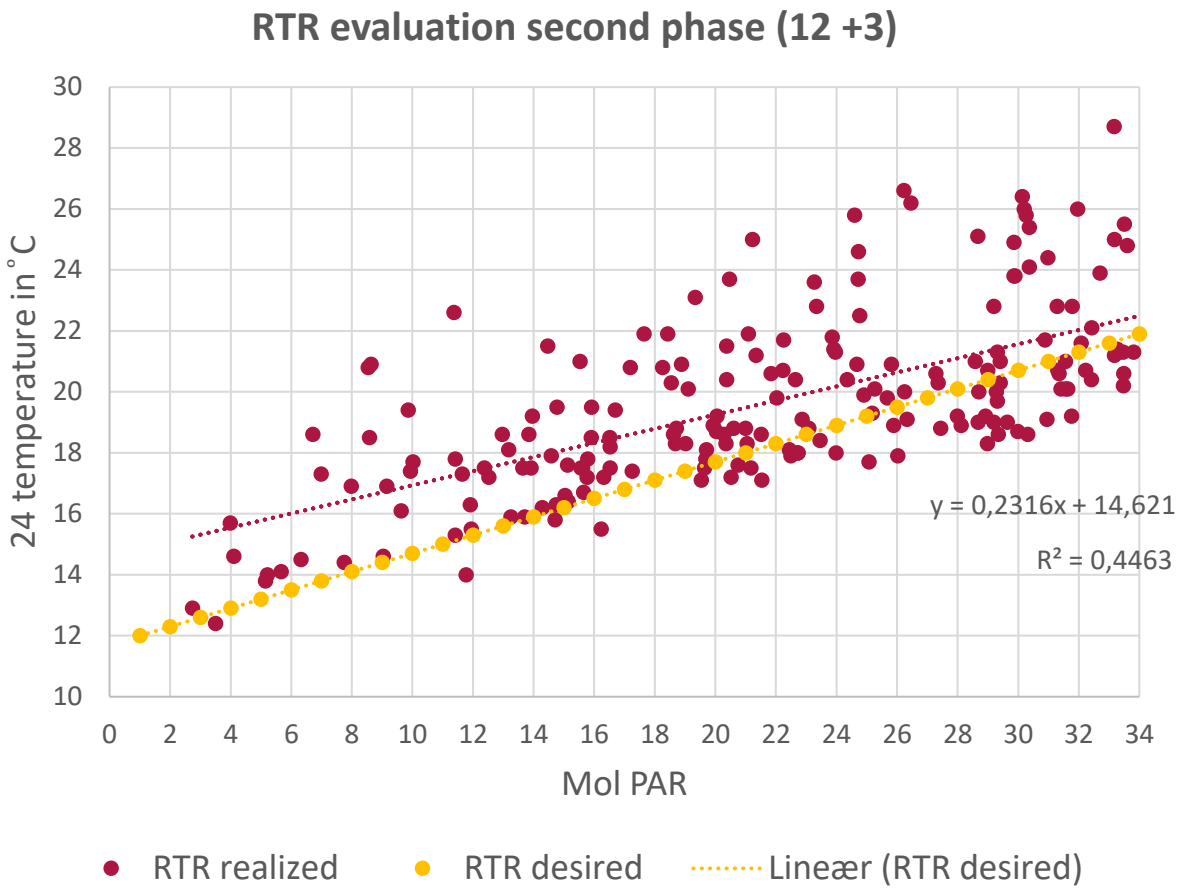
RTR strategy evaluation





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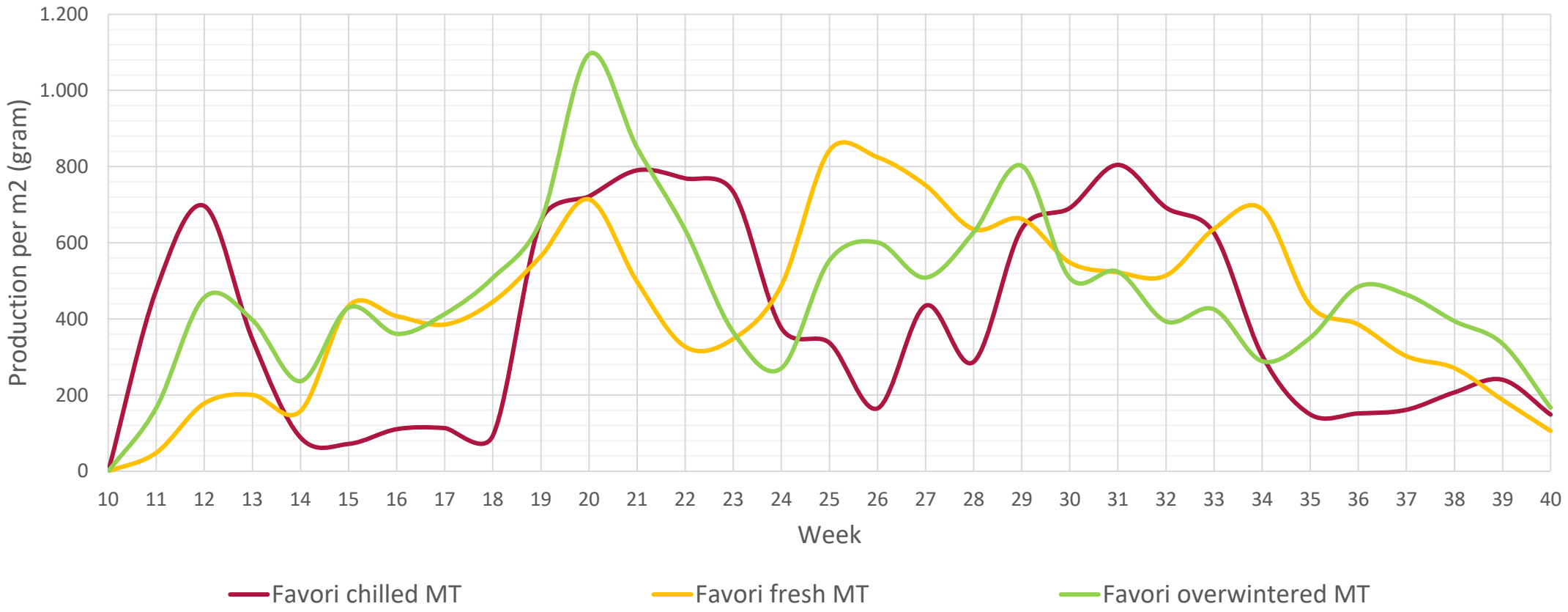
Results Favori



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Result fresh everbearers under glas

- Results:
  - 12,5-18,5kg/m2
  - Max. 7-8m3
- Needed improvements:
  - Propagation
  - Plant balance
  - Fruit size

- Lots of potential!

Everbearers on the table tops

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Delphy ISFC everbearer research 2021

- Focus on stablelized production profile
- Points of interest:
  - Planttype
  - Plantdate

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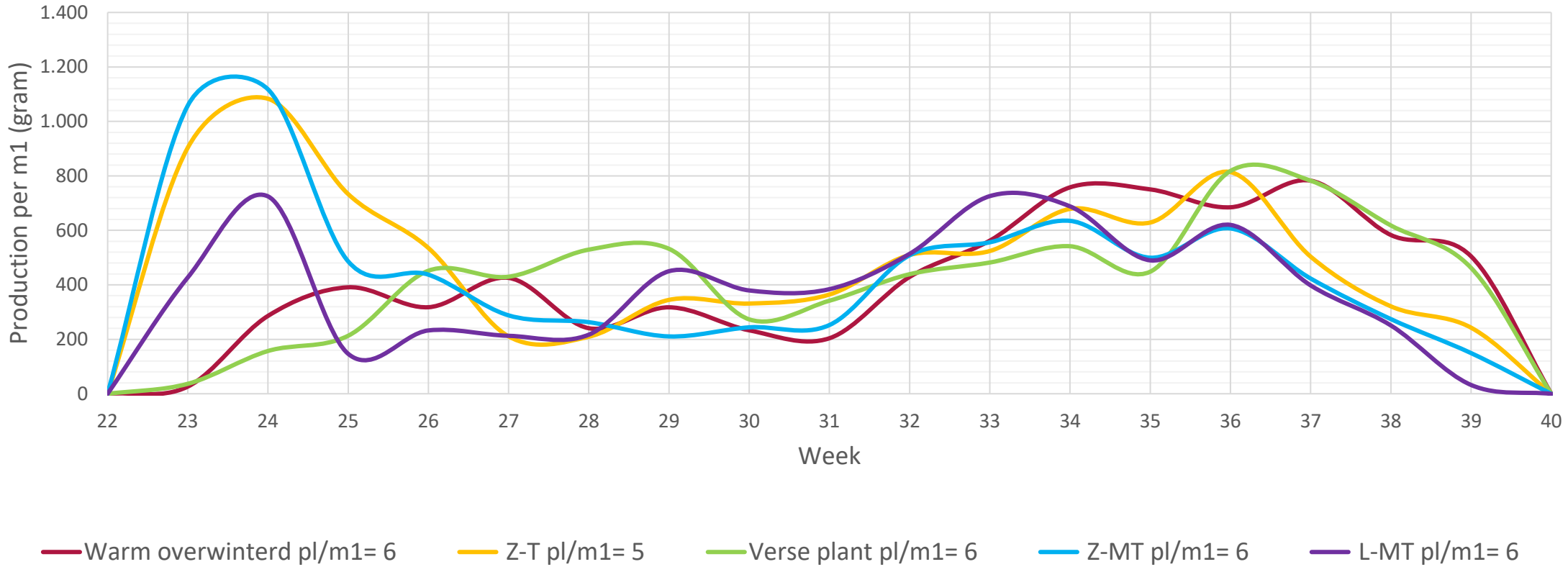
Favori planttype 2021



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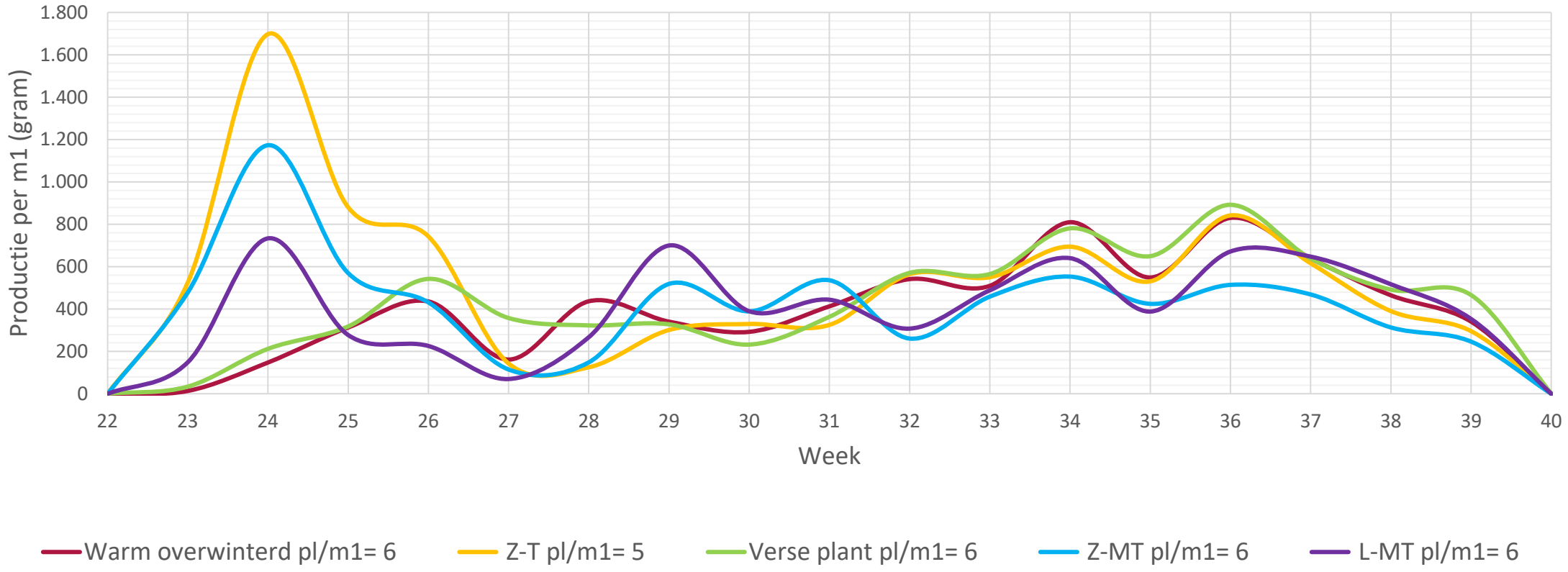
Bravura planttype 2021



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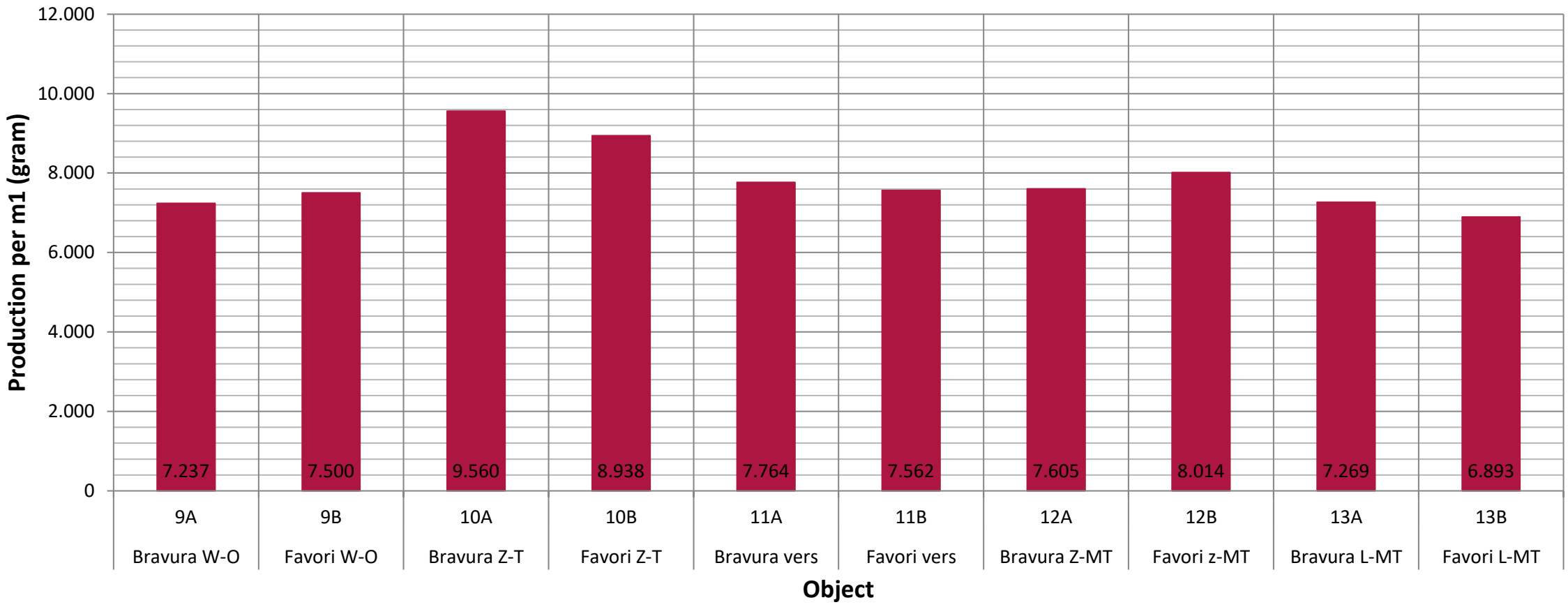
Total production



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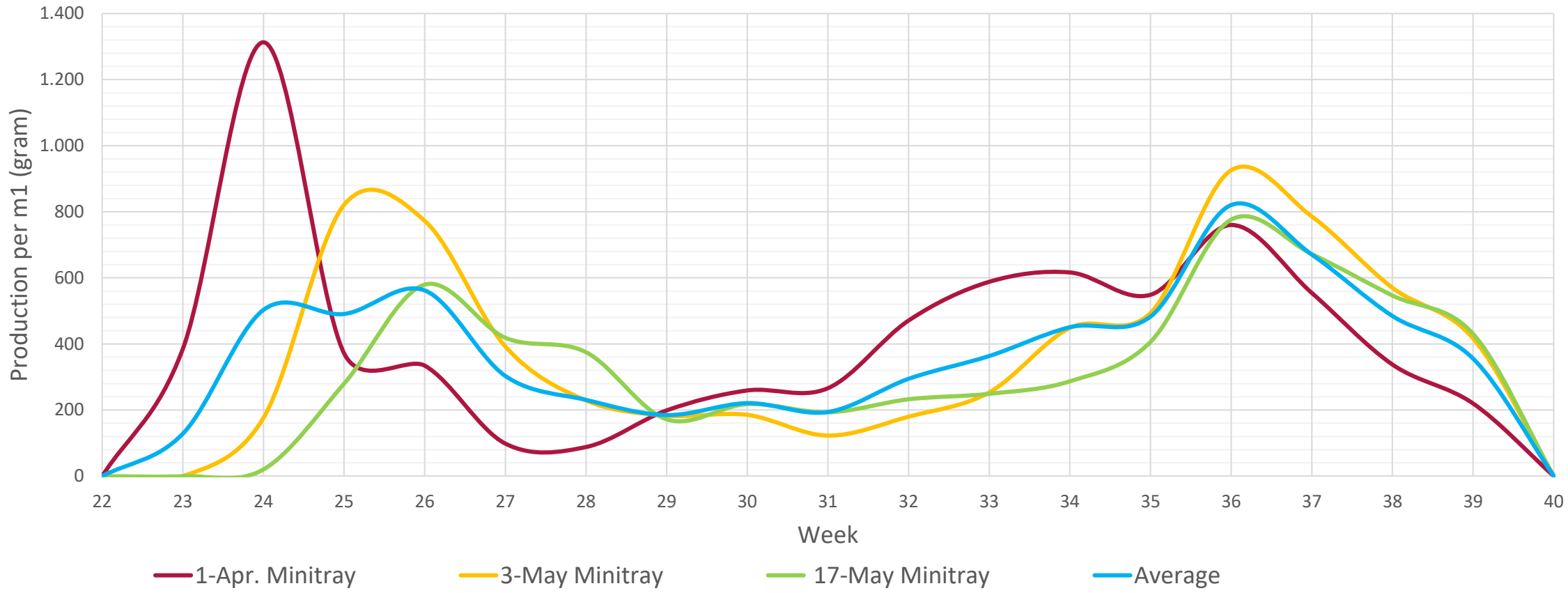
Favori multiple plant dates



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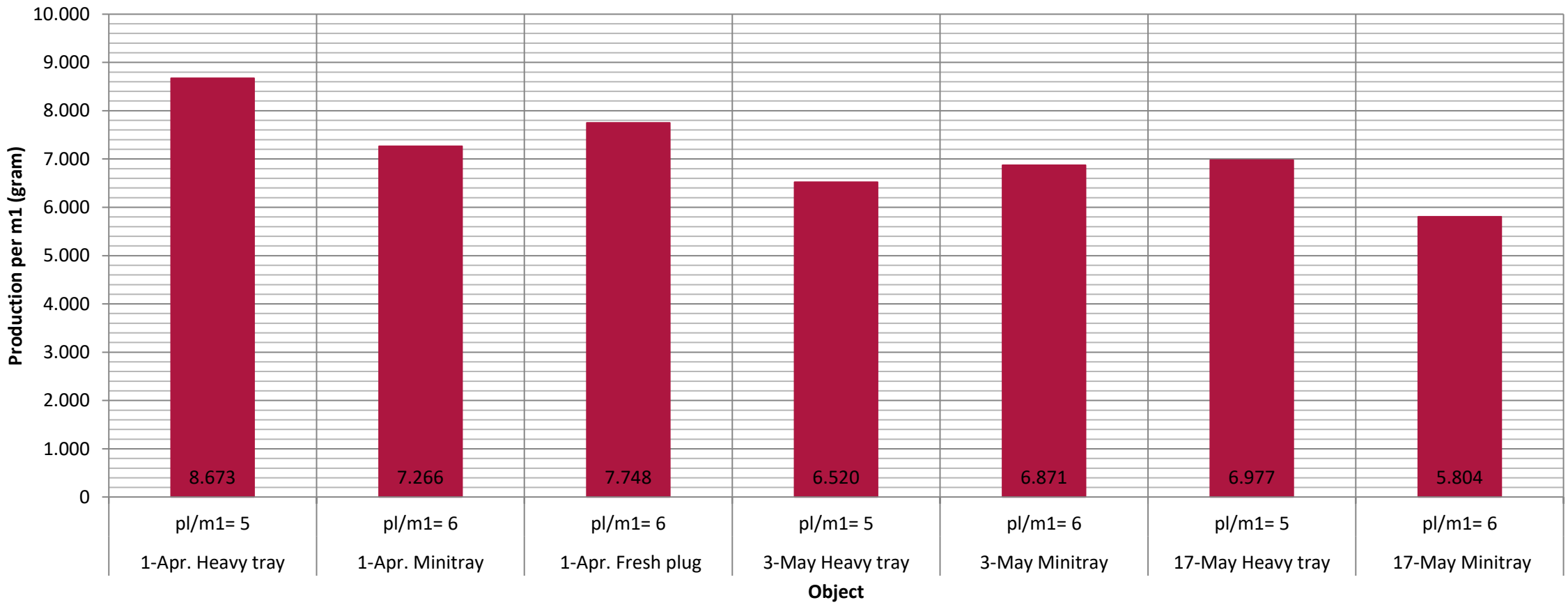
Total production



Delphy ISFC everbearer research 2022

- Same focus as 2021: balanced production
- Important focus points:
  - Fresh plants
  - ‘forced’ Fresh plants
  - Controlled peaks
  - Different genetics

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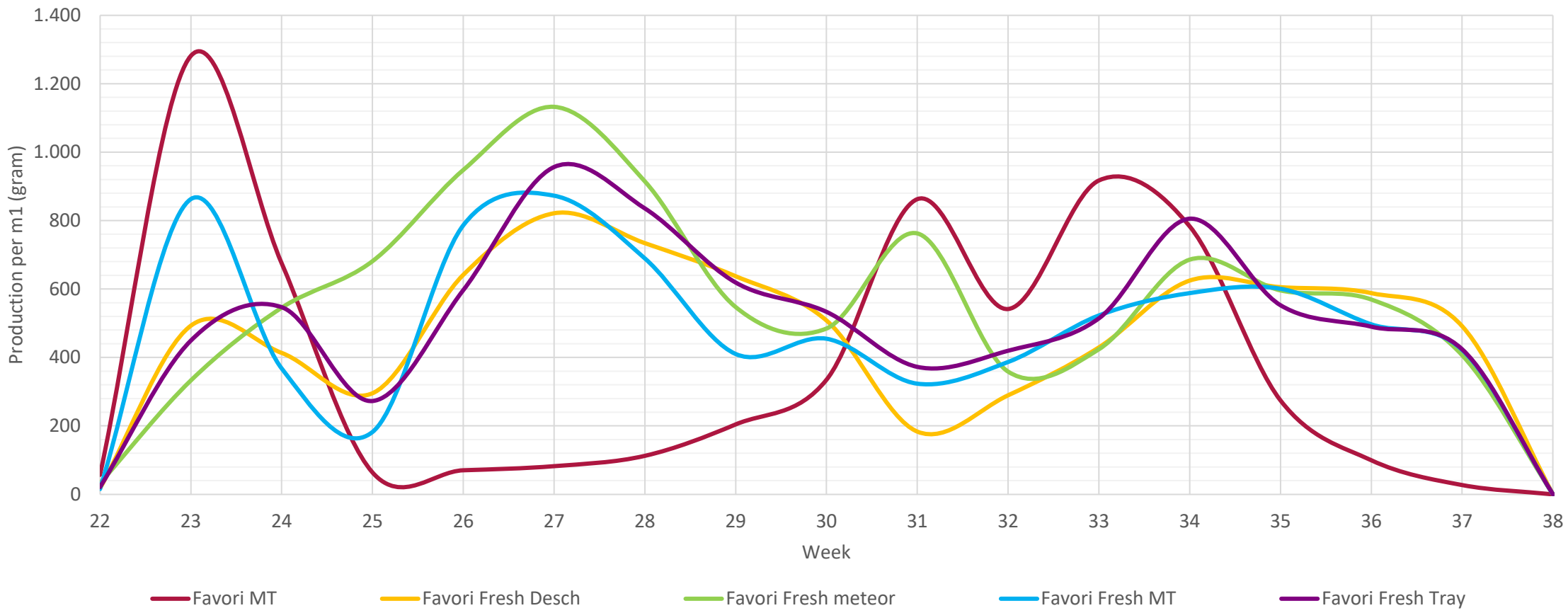
Favori fresh plants



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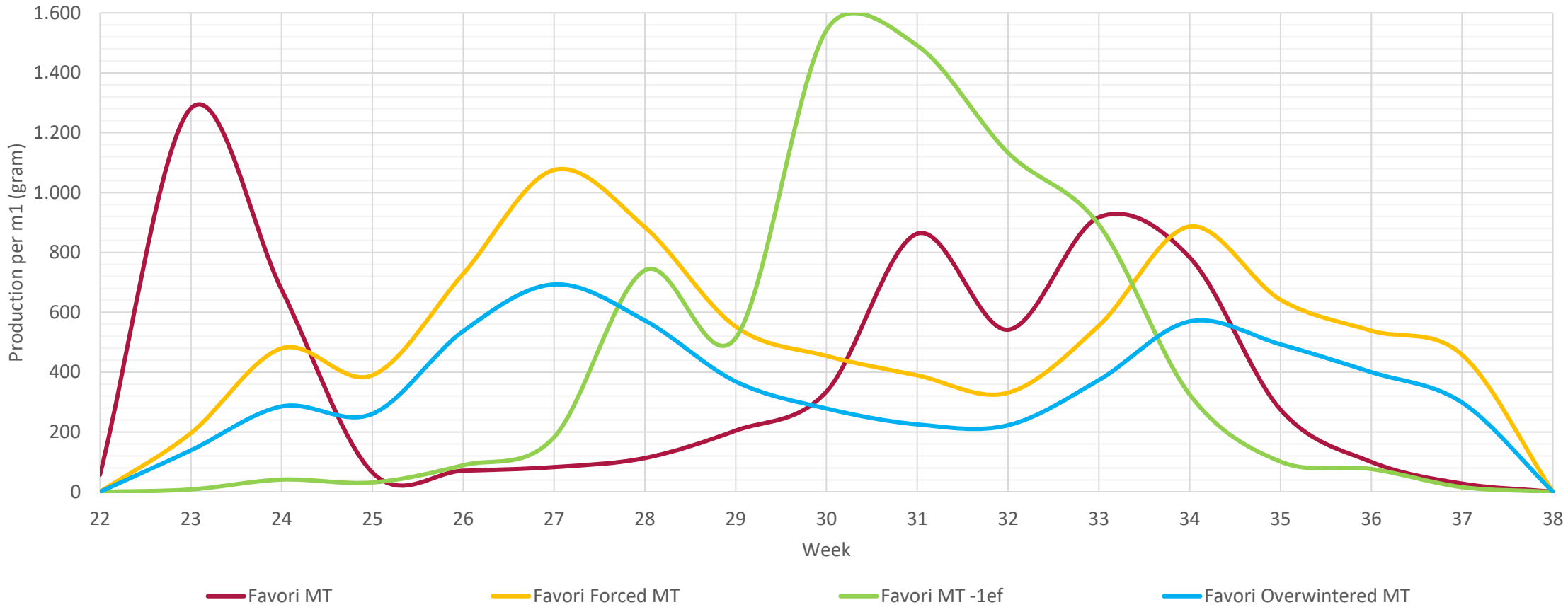
Favori planttypes



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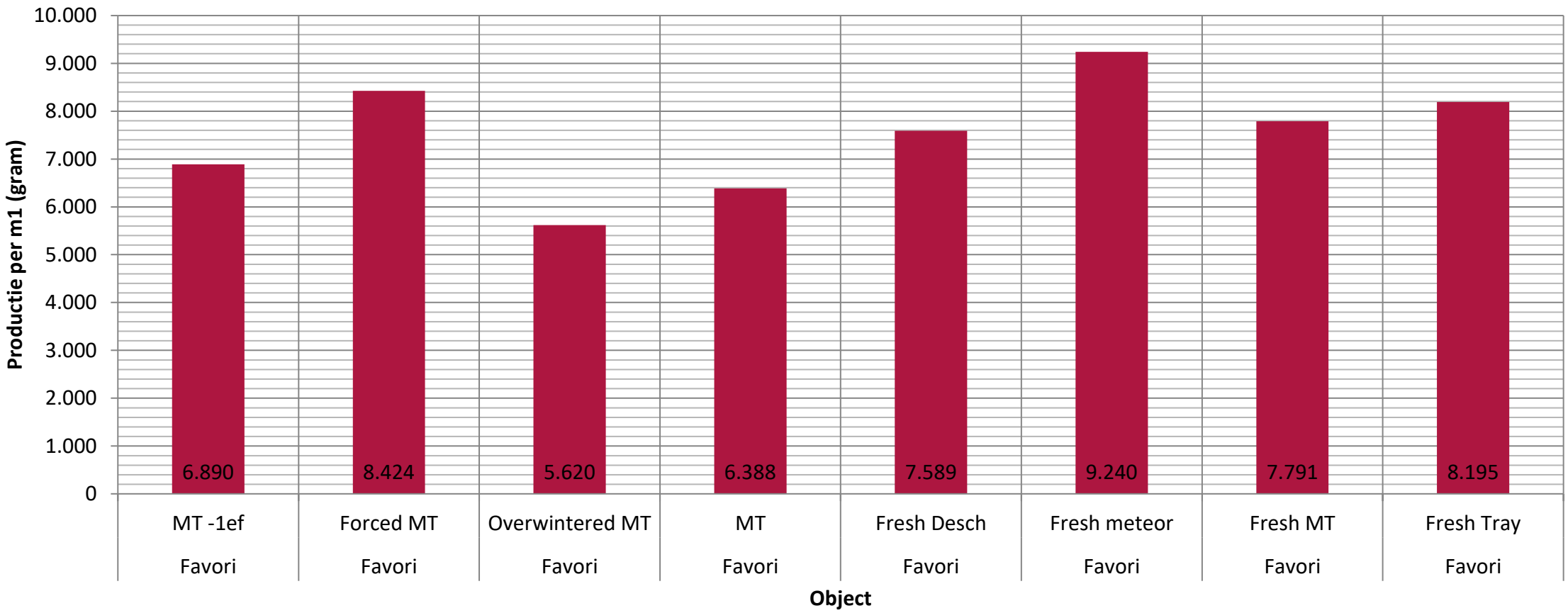
Favori production



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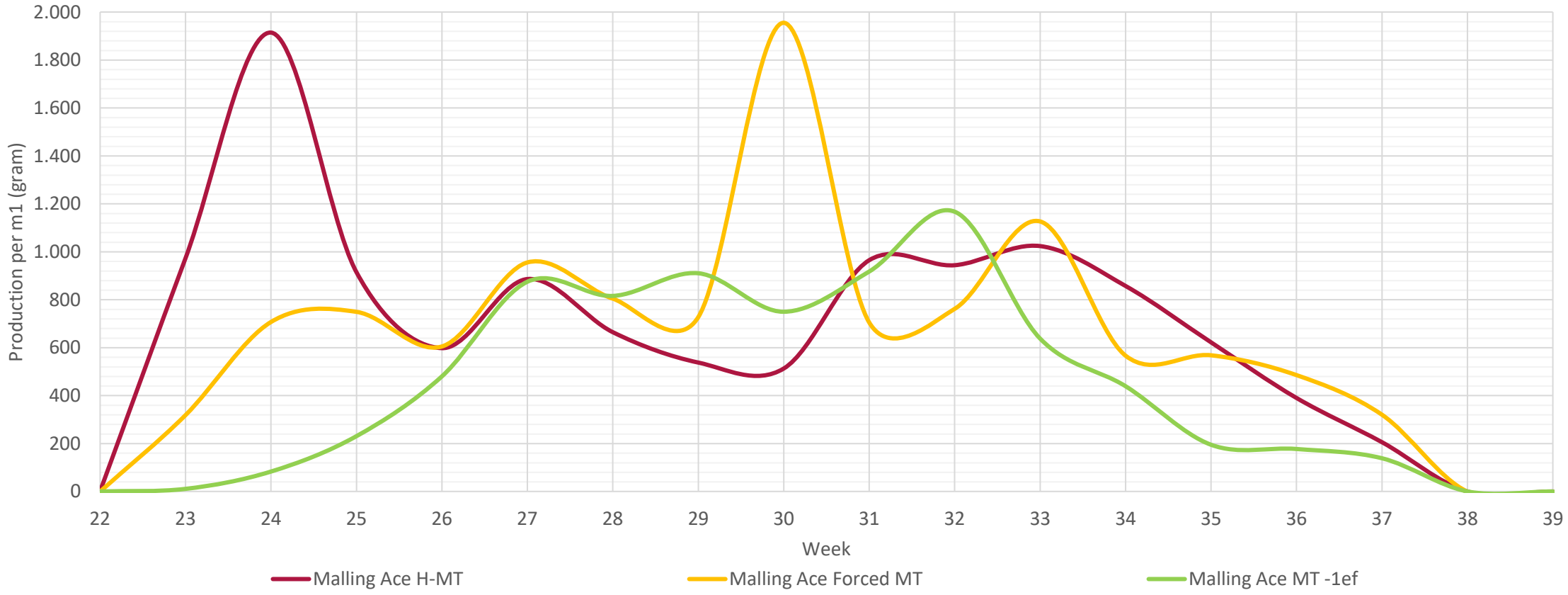
Malling Ace planttypes



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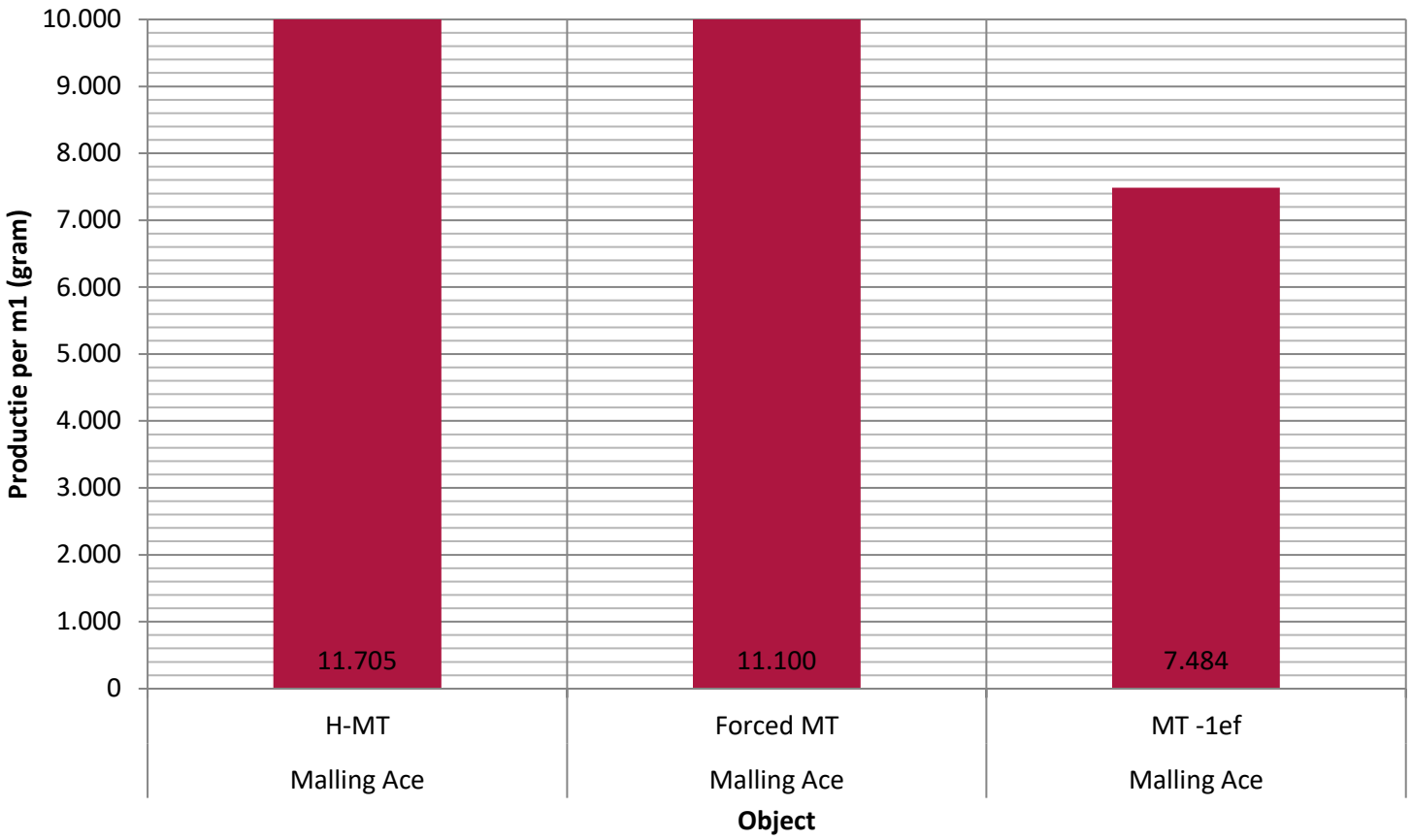
Malling Ace production



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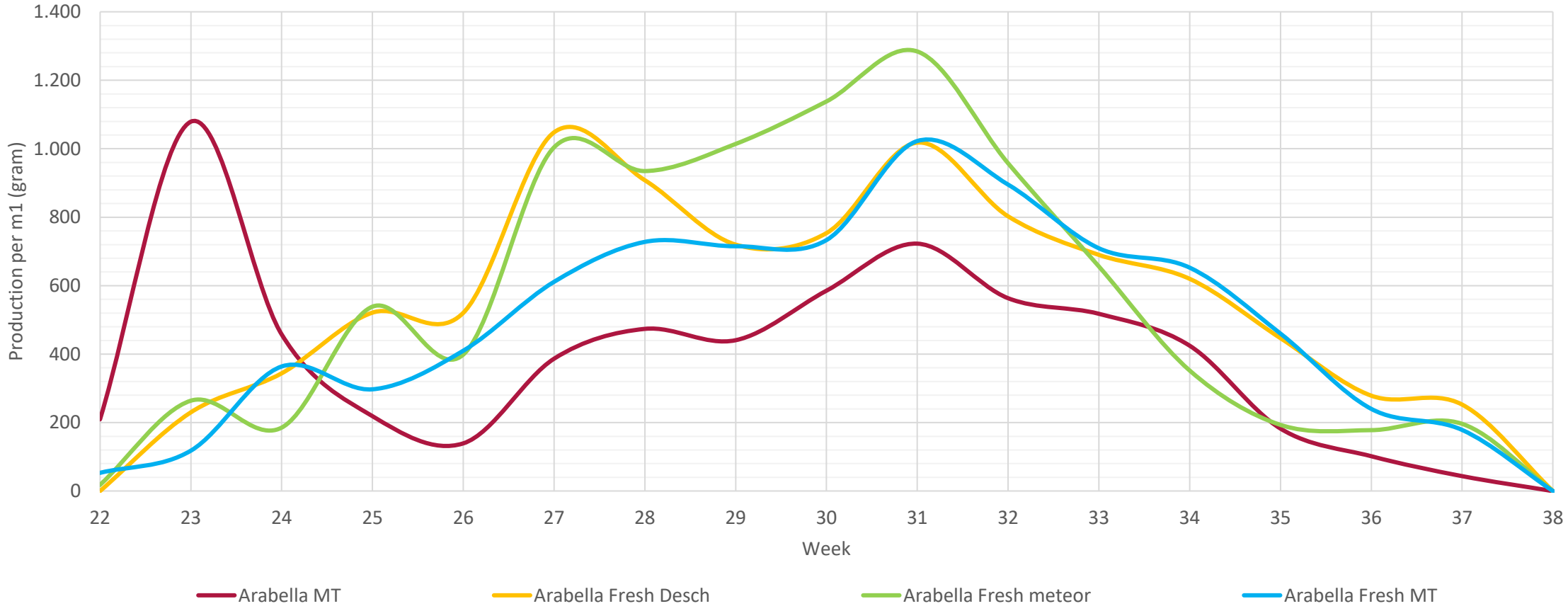
Arabella fresh plants



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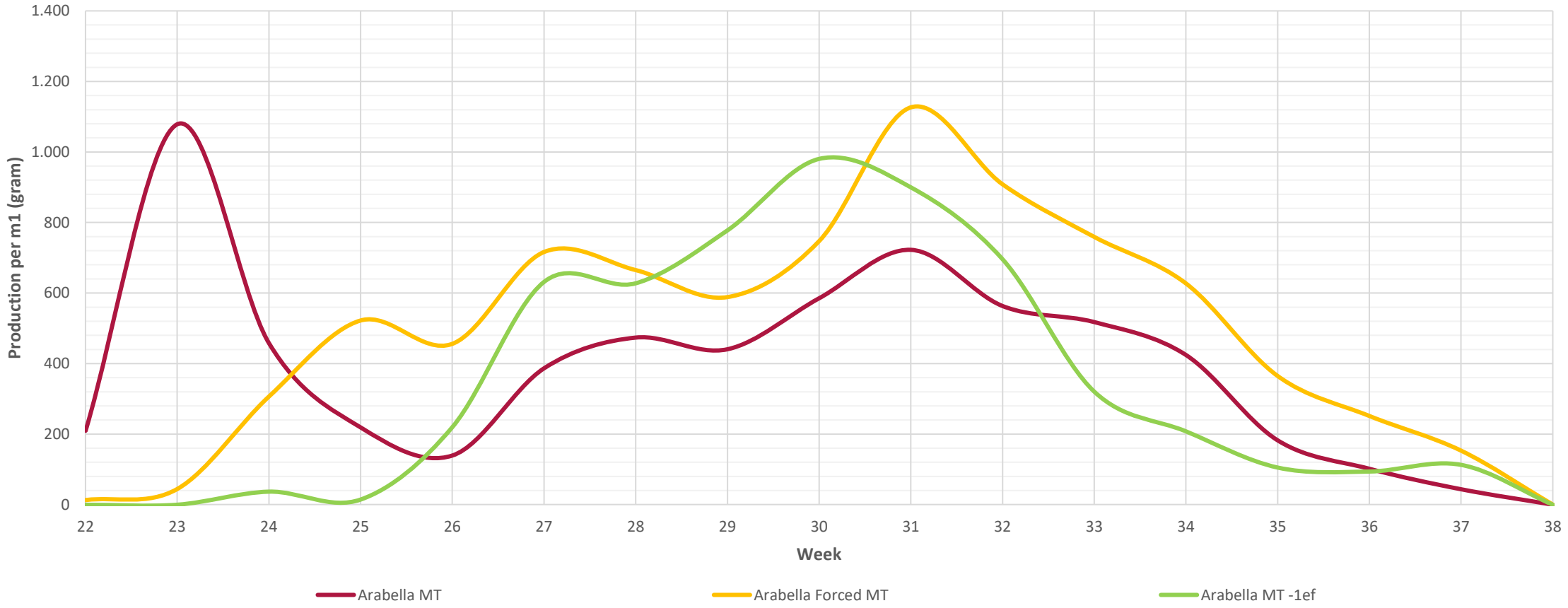
Arabella planttypes



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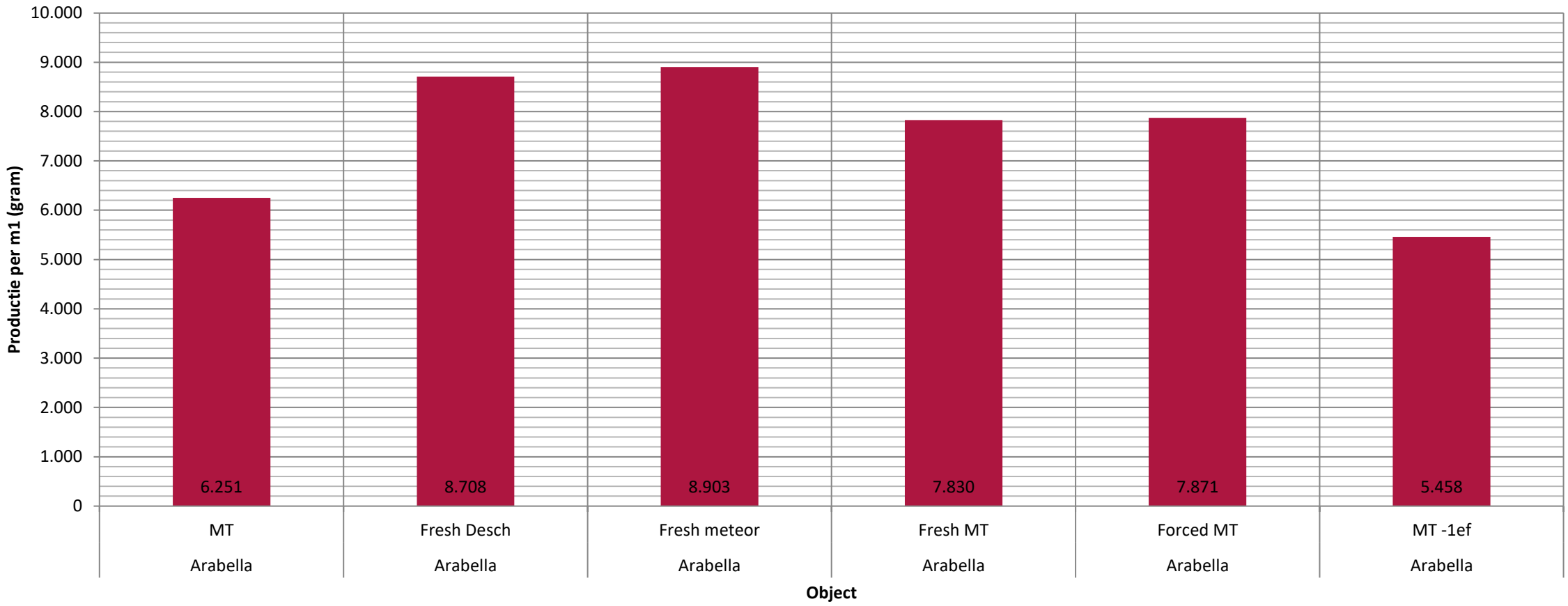
Arabella production



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Final thoughts

- Everbearers has huge possibilities!
- Junebearer approach on everbearers is sub-optimal!
- Future for fresh or ‘fresh like’ everbearer plantmaterial
- With new cultivations → make sure to strategize
- Keep it simple

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Thanks for your attention!

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