



***Recent research with the
strawberry cultivar 'Malling
Centenary'***

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Project Objectives

- **Understand ‘Malling Centenary’**
- **Very different physiology to ‘Elsanta’**
- **Is a short day plant but reacts also like a long day plant**
- **Determine which nutrition regime, density and planting time is optimal**
- **Main benefits for ‘you’ the grower?**

Nutrition Trial

- **10 plants per m² (6 plants per module)**
- **Crop grown in 20 L coco peat modules**
- **Tray plants planted in spring 2018**
- **Heated Glasshouse**
- **Two NPK fertilisers- low & high EC**
- **EC of 1.0 and 1.6 dSm⁻¹**









Strawberry Nutrition Trial

Var. Malling Centenary

Project Number

0385 HD



Picking started 23rd April 2018
Ended 13th August 2018

Results Trial 1

Yield season 1

- **Low feed: 675g per plant (88% Class1)**
- **High feed: 635g per plant (89% Class1)**





Picking started 26th April 2019
Ended 29th July 2019

Results Trial 1

Yield season two

Season two:

- **Low feed: 463g per plant (82% Class1)**
- **High feed: 454g per plant (81% Class1)**

Results Trial 1

Total yield two seasons

- **Low feed: 1.13 kg per plant (88% Class1)**
- **High feed: 1.08 kg per plant (89% Class1)**

- **Lower feed level did not affect the yields or fruit quality in this trial.**

Trial 2

Density & Nutrition

- **7 and 8 plants per trough**
- **Crop grown in coco peat & perlite**
- **Tray plants planted in mid December 2019**
- **Heated Glasshouse**
- **Two NPK fertilisers- low & high EC**
- **EC of 1.5 and 1.8 dSm⁻¹**



Picking started 3rd April 2020
Ended 23rd August 2020

Results Trial 2 2020

Yields season one

- **Low 7: 836g per plant (76% Class1)**
- **High 7: 795g per plant (75% Class1)**

- **Low 8: 737g per plant (75% Class1)**
- **High 8: 827g per plant (77% Class1)**

- **No significant difference between the total yields except for Low 8**

Trial 3

Plant density & planting date trial

- **Cold glasshouse unit**
- **7 and 8 plants per trough**
- **Planted 18th June & 2nd July 2019**
- **Crop grown in coco peat & perlite**
- **One NPK fertiliser EC of 1.5 dSm⁻¹**











Picking started 29th July

2019/11 Oct

9th August 2019/11 Oct

Results Trial 3 2019

Yields season one

- **18th June 7: 345g per plant (79% Class1)**
- **18th June 8: 378g per plant (80% Class1)**

- **2nd July 7: 223g per plant (82% Class1)**
- **2nd July 8: 205g per plant (77% Class1)**

- **Huge 59 % yield decrease from highest to lowest !**







3
10

2



Results Trial 3 2020

Yields season two

- **18th June 7: 251g per plant (80% Class1)**
- **18th June 8: 252g per plant (81% Class1)**

- **2nd July 7: 258g per plant (86% Class1)**
- **2nd July 8: 230g per plant (87% Class1)****

- **Conclusion: Don't plant high density late!!**