

Greenhouse trials with biochar

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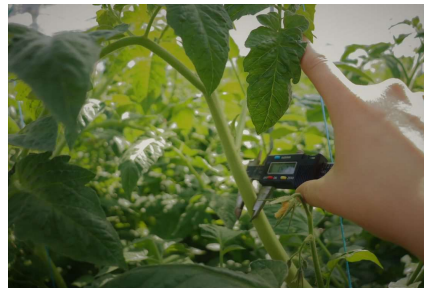


Innovative growing media blends

Peat-reduced organic growing media for strawberry



Peat-free organic growing media for tomato



Peat-reduced blends for strawberry

Tested blends:

- Horti-BlueC peat-reduced blend with wood fiber, coir and compost
- Horti-BlueC peat-reduced blend + **biochar**
- Horti-BlueC peat-reduced blend + **bulk replacement with biochar**

Reference:

- Control blend: peat/coco/perlite mix

Performance blend characterized by parameters e.g.

- Yield
- Fruit quality
- Post harvest characteristics
- Resilience to pests and diseases
- ...



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Peat-free blends for tomato

Tested blends:

- Horti-BlueC peat-free blend with wood fiber, coir and compost
- Horti-BlueC peat-free blend **+ small amount of biochar (2 g/l)**
- Horti-BlueC peat-free blend **+ small amount of biochar (4 g/l)**
- Horti-BlueC peat-free blend **+ small amount of biochar and chitin**
- Horti-BlueC peat-free blend **+ bulk replacement with biochar (10 vol%)**

Reference:

- Peat/coir growbag
- Rockwool

Performance blend characterized by parameters e.g.

- Yield
- Fruit quality
- Post harvest characteristics
- Resilience to pests and diseases
- ...



Observations

Greenhouse trials with biochar for strawberry and tomato

- ✓ The sustainable new growing media blends perform well in the greenhouse (for optimisation some technical and management adaptations may be required)
- ✓ Biochar can help improve the performance of these new growing media blends, mainly under reduced input of nutrients
- ✓ Biochar can be used for bulk replacement, without great implications

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