

Hubert Salaun, satisfied ADVANCED customer, manager at 'EARL Technosem', a leading producer of strawberry young plants in France



Your road to success

ADVANCED Strawberry Substrates

www.klasmann-deilmann.com

“Our substrates with GreenFibre® for strawberries in gutters have proven to be a great alternative to coir. GreenFibre® ensures structural stability and drainage also for perennial cultivation. Moreover, GreenFibre® leads to a lower substrate weight and less CO₂ emissions. As a renewable raw material, it is locally sourced from sustainably managed forestry and well available all year.”

Frank Lenkens, Soft Fruit Specialist, Klasmann-Deilmann Benelux (Netherlands)



ADVANCED Strawberry Substrates: Optimised yields meet sustainability criteria

More alternative raw materials, the protection of valuable resources as well as the reduction of emissions and the use of local materials are as much a requirement today as the best technical performance for the crop. To meet all these demands we have used our more than 30 years of practical experience with alternative constituents – such as wood fibre, green compost, bark, perlite and coir – to develop a brand new portfolio of substrates: ADVANCED Strawberry Substrates. This range does not only meet the requirements of modern horticulture, it sets a new standard in international horticulture.



Main features of our ADVANCED Substrates:

- Tried and tested recipes for utmost crop security
- Meet the latest requirements of professional horticulture
- Modern alternative constituents with positive properties
- Optimised product weight and loading volume
- Resource-saving through the use of alternative raw materials
- Significant reduction of emissions
- Peat only from responsibly managed sources with RPP certification

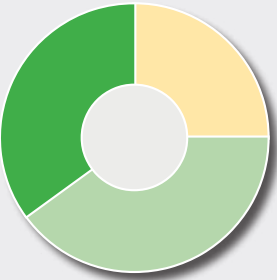


Find out more about our
ADVANCED Strawberry Substrates

Some examples of convincing crop results with ADVANCED Strawberry Substrates

TS 1 fine Strawberry propagation

Y75



Structure – fine

pH-value (H₂O) – 5.7

Fertilisation (g/l) – 0.5

Extra trace elements – ✓


Water capacity – +++

Air capacity / drainage – +++

Structural stability – +++

Characteristics – Extra light mix, free flowing, with improved drainage and reduced pH value

Use for – Strawberry young plants



24% less CO₂*

*Compared to segment standard with 100% peat (rec. 085), verified in accordance with ISO 14064-1 standard

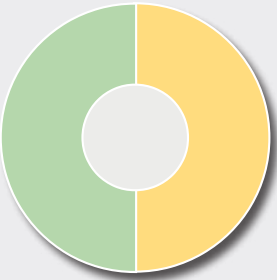
GreenFibre® fine

White peat (0 – 10 mm)

White sod peat (5 – 15 mm)

TS 1 medium basic Strawberry with 50% GreenFibre®

X68



Structure – medium

pH-value (H₂O) – 5.7

Fertilisation (g/l) – 0.5

Extra trace elements – ✓


Water capacity – ++

Air capacity / drainage – +++

Structural stability – +++

Characteristics – Perfectly suitable for protected cultivation due to well balanced water and air capacity

Use for – Yearround strawberry cultivation in rack systems



46% less CO₂*

*Compared to segment standard with 100% peat (rec. 085), verified in accordance with ISO 14064-1 standard

GreenFibre® medium

White peat (0 – 25 mm)



Practical results in young plant cultivation

- ⊕ Very even plant growth
- ⊕ Superior root growth due to lower risk of waterlogging in the root zone
- ⊕ Easier irrigation management, very fast rewetting
- ⊕ No ‚dry edge‘-effect
- ⊕ With a normal nitrogen-based liquid feeding scheme in line with common practice, no special feeding is required
- ⊕ Reduced substrate weight allows higher truck loading volumes



Practical results in fruit production

Research station BerryNova-Genson (Netherland), 2019

- ⊕ Cultivation in polytunnel, 6 plants per meter
- ⊕ Variety: Murano (day-neutral)
- ⊕ Planting 12.7.2019; end of culture 4.10.2019, short crop, single bearing
- ⊕ Harvest period week 33 – 40
- ⊕ Control substrate: 100% coir
- ⊕ TS 1 with 50% GreenFibre® achieved higher yields than in coir. Especially noticeable at beginning and end of harvest period.

Total yield of variety Murano in TS 1 medium basic Strawberry with 50% GreenFibre (recipe X68) compared to the control with 100% coir



GreenFibre®: Our premium wood fibre

- ⊕ Specifically developed for the needs of modern horticulture
- ⊕ Manufactured inhouse by Klasmann-Deilmann and fully RHP certified
- ⊕ Made of virgin wood from responsibly managed sources
- ⊕ Improves aeration and structural stability in substrates
- ⊕ Stable nitrogen balance to suit normal feeding regime
- ⊕ Low weight and low carbon footprint
- ⊕ Very safe constituent and well available throughout the year



Benefits of ADVANCED Strawberry Substrates

- ⊕ Ideal drainage for year-round cultivation of strawberries in gutters and containers
- ⊕ 26 – 30 vol.-% air capacity (pF 1; -10cm) in growing media with 50% GreenFibre®
- ⊕ High nutrient-buffering capacity and high content of humic acids due to the peat content
- ⊕ Very high structural stability also for perennial cultivation
- ⊕ Improved root development
- ⊕ Drier substrate surface promotes plant health
- ⊕ Very sustainable strawberry cultivation due to the use of GreenFibre®
- ⊕ Considerably reduced substrate weight and emissions

More advanced product solutions for strawberry plants



Log & Solve: The digital consulting platform

- ⊕ Safeguard the yield of your crops
- ⊕ Improve production efficiency and reduce crop failure
- ⊕ Monitor relevant cultivation parameters to anticipate crop issues
- ⊕ Gain data-based conclusions for faster problem solving
- ⊕ Share digital cultivation data with advisors for expert support
- ⊕ Log data about cultivation measures, observations from crop walks, pictures and more
- ⊕ Usable with smartphones



Find out more about
Log & Solve



ADVANCED Substrates with GreenFibre® - ideal also for other soft fruit species.

Do you also grow raspberries, blueberries or other soft fruit in containers or gutter systems? Then we have the right substrate for you. We offer a full range of tried and tested substrates specifically developed for the propagation and growing on of various soft fruit species.



Find out more about
ADVANCED Substrates
for soft fruits

Tom van der Berg, satisfied ADVANCED customer, production manager at 'Genson Group', a leading producer of strawberry young plants in the Netherlands



**“From young plants to fruits:
We use ADVANCED Strawberry Substrates
with GreenFibre® because they have
proven to be the right choice for both
superior plant quality and high yields.
And – thanks to the high efficiency and
sustainability of the wood fibre GreenFibre® –
also in terms of the environment.”**

DISCLAIMER

The information in this brochure is based on our current knowledge and does not claim to be complete or correct. We reserve the right to make changes. We do not assume any guarantee or liability for successful cultivation, as the use of our products must be adapted to the individual site, storage and cultivation conditions of the respective nursery, which is beyond our knowledge and influence. The information in this brochure cannot replace individual advice. They are neither binding nor part of a consulting or information contract.



we make it grow

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