



# K True-blue heroes for high yields

ADVANCED Blueberry Substrates

[www.klasmann-deilmann.com](http://www.klasmann-deilmann.com)



***“Our ADVANCED Blueberry Substrates provide well-balanced physical properties and a high long-term structural stability to meet any growing condition. They are designed to combine best yields, efficient cultivation and lower carbon emissions. GreenFibre® has proven to be the perfect constituent for blueberry fruit production.”***

Armin Rothhaus, Technical Advisor, Klasmann-Deilmann (Germany)



## ADVANCED Blueberry Substrates: Sustainable growing media for high yields

More alternative 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 Blueberry 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



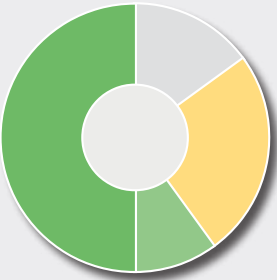
Find out more about our  
ADVANCED Blueberry Substrates



Some examples of convincing crop results with ADVANCED Blueberry Substrates

TS 4 coarse Blueberry with perlite + GreenFibre®


U55



- Structure – coarse-fibrous
- pH-value (H<sub>2</sub>O) – 4.8
- Fertilisation (g/l) – 0.3
- Extra trace elements – ✓

- Water capacity – +
- Air capacity / drainage – +++++
- Structural stability – +++++

- Characteristics – Indoor and outdoor cultivation in containers up to 100l. Ideal for use also with high EC irrigation water and areas with heavy rain fall
- Use for – Blueberry



32% less CO<sub>2</sub>\*

\*Compared to segment standard with 100% peat (rec. 604), verified in accordance with ISO 14064-1 standard

- Perlite coarse (1 – 7.5 mm)
- GreenFibre® medium
- White peat fibres (0 – 70 mm)
- White sod peat (10 – 25 mm)



Crop results (Rec. U55)

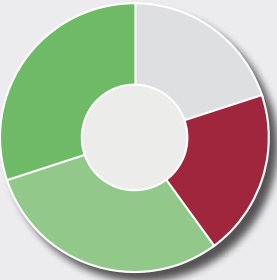
Practical findings:

- ⊕ The very open and porous substrate structure avoids a wet and muddy bottom layer
- ⊕ Ensures homogeneous moisture in the entire root zone
- ⊕ Better root development
- ⊕ Ideal for use in 25 to 40 l containers for protected cultivation
- ⊕ Perfectly suitable with 100 l containers for outdoor production
- ⊕ No sign of shrinkage even in the third year of cultivation

Very strong and healthy growth of blueberry plants potted in TS 4 coarse (rec. U55) after just 12 weeks of cultivation (South Africa)

TS 4 coarse Blueberry with coir + 20% Perlite


979



- Structure – coarse-fibrous
- pH-value (H<sub>2</sub>O) – 4.8
- Fertilisation (g/l) – none
- Extra trace elements – ✓

- Water capacity – ++
- Air capacity / drainage – +++++
- Structural stability – +++++

- Characteristics – Indoor and outdoor cultivation in containers up to 100l. High structural stability with optimal water and air capacity
- Use for – Blueberry



28% less CO<sub>2</sub>\*

\*Compared to segment standard with 100% peat (rec. 604), verified in accordance with ISO 14064-1 standard

- Perlite coarse (1 – 7.5 mm)
- Coir
- White peat fibres (0 – 70 mm)
- White sod peat (25 – 45 mm)

Crop results (Rec. 979)

Practical findings:

- ⊕ Instant use for potting after filling the container, no washing or buffering needed
- ⊕ Faster initial plant development compared with regular mixes.
- ⊕ Better root development due to more homogeneous moisture in the root ball
- ⊕ Ideal for use in 25 to 40 l containers for protected cultivation
- ⊕ Perfectly suitable with 100 l containers for outdoor production

Blueberry fruit production with TS 4 coarse Blueberry (rec. 979) in Mexico

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 Blueberry Substrates

- ⊕ High porosity and stable structure for long-term cultivation
- ⊕ Increased and stable drainage for healthy and fast root development
- ⊕ Balanced ratio between air and water capacity adapted to growing conditions
- ⊕ Good water distribution and homogenous moisture in the entire root zone
- ⊕ Use of GreenFibre®, perlite and coco to improve drainage, air capacity and structural stability
- ⊕ Stable low pH value and strong pH buffer
- ⊕ Low weight for reduced transport costs and less carbon emissions

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Klasmann-Deilmann | ADVANCED | Blueberry Substrates

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## More advanced product solutions for blueberries and other soft fruits



### 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.

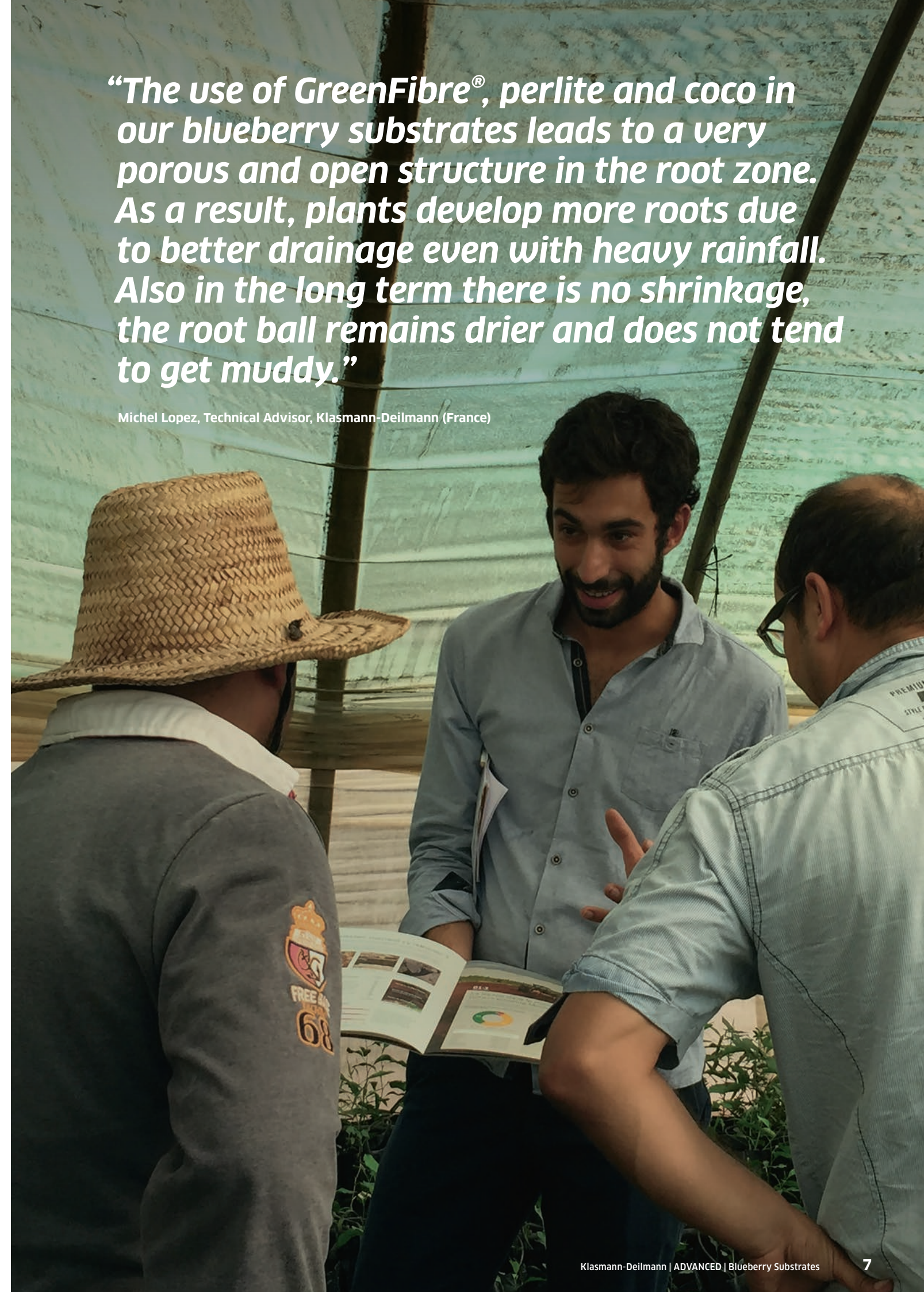
Do you also grow raspberries or other soft fruit in containers or gutter systems? Then we have the right substrate for you. We offer a full range of tried and tested substrates specifically developed for the propagation and growing on of various soft fruit species.



Find out more about  
ADVANCED Substrates  
for soft fruits

***“The use of GreenFibre®, perlite and coco in our blueberry substrates leads to a very porous and open structure in the root zone. As a result, plants develop more roots due to better drainage even with heavy rainfall. Also in the long term there is no shrinkage, the root ball remains drier and does not tend to get muddy.”***

Michel Lopez, Technical Advisor, Klasmann-Deilmann (France)





## 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*

**Klasmann-Deilmann GmbH** | Georg-Klasmann-Straße 2-10 | 49744 Geeste | Germany  
☎ +49 5937 310 | 📠 +49 5937 31279 | [info@klasmann-deilmann.com](mailto:info@klasmann-deilmann.com) | [www.klasmann-deilmann.com](http://www.klasmann-deilmann.com)