

## FOR RESPONSIBLE GROWTH

WE HAVE  
GOOD ARGUMENTS

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JOSEF GRAMANN  
„Good raw materials from our own hands!“

**GRAMOFLO**R

Quality from the start!

# Well combined – Peat reduced!

“The use of peat for the commercial horticulture is still necessary, so that peat-reduced substrates and soils currently are the favorites”, knows Josef Gramann the managing director of Gramoflor.

He adds: “For the benefit of saving resources and reducing the carbon footprint but also in line with crop safety it is recommendable to combine the resource peat with the renewable resources wood fibre and coco. These resources have convincing characteristics and are ideal for peat-reduced substrates. They have proved this in practice with real good results in various cultivations.”

The substrate company Gramoflor from Vechta owns peat extraction sites in North Germany, an own wood fibre production and will soon be able to process the resource coco in the own production facilities.

It is the combination of the three main components peat, wood fibre and coco, which makes a successful peat reduced substrate. In addition to the pure raw material properties Gramoflor also provides other good arguments:

### Coco – better standards through own processing **New!**

In their countries of origin like India and Sri-Lanka **Cocopeat and Cocofibre** are residual materials from the production of coco products. They are sufficiently available and through an appropriate processing, they have proven to be excellent peat substitutes.

The production of the raw material sourced by Gramoflor is done considered to the social standard SA 8000. The transportation of this very compact resource by ship to sea ports near the production sites considers the carbon foot print. A further advantage in the sense of the carbon footprint is that coco is a renewable resource and its use corresponds with the recycling.



### RESIDUE FROM COCO PROCESSING



COCOPEAT – Raw material recovered from the mesocarp of the coconut



COCOFIBRE

Considering to the environmental standards in Germany and the cultural requirements Gramoflor has developed an own procedure to process the resource Cocopeat. Thereby the water consumption in the origin countries is reduced. By 2019 the majority of the washing process will take place in the own production facilities under controlled conditions.

Furthermore Gramoflor will be able to process the Cocopeat in a way that three different types are created. This possibility is an upgrade for adjusting the salinity and the physical characteristics regarding the requirements of cultivation. It enables a continuity of the chemical characteristics and therefore a particularly high quality level as well as a good price-performance ratio.

## Gramoflor offers three types of quality:

**Type 30** for a share of up to 30%, **Type 60** for a share of up to 60% and **Type 100** for a share of up to 100% and the demands of very sensitive cultivations. A chemical buffering is not necessary according to the current state of experiences from various tests. Additionally, the resource is in conformity with the organic standards.

This aspired concept has been extensively examined by the own research and development department and has convinced in practical tests. During the year it will be launched on the market and available for the commercial horticulture. Furthermore, the objective will be to receive a certification of the targeted quality standards by the RAL – quality assurance.

## Quality wood fibre from own production latest refiner technology

“The consequent way of peat reduction by mainly renewable resources has mainly been strengthened in the last year by the invest in an own wood fibre production with the latest technology”, Josef Gramann explains, “so that we have our own wood fibre certified with the quality label of RAL.”

By thermal-mechanical separation wood chips with assured quality from sawmills become wood fibres which are very suitable for professional substrates and soils. The development work incorporates the experience of recent years and thermal pretreatment is an important processing step for achieving our own top qualities.

For many years Gramoflor offers peat in different fractions and depending on the crop the substrates can be adjusted from super fine to super coarse. According to this example, also the **quality wood fibre LIGNOFIBRE®** is now available in three different fractions: medium coarse & uncoloured, medium & coloured and extra fine & coloured. Thereby peat reduced substrates can be ideally adapted to the different cultural requirements.

Some professional substrates, for example container crops, need a very fibrous structure and for example substrates for propagation should be rather finer. In potting soils for the hobby gardeners, the wood fibre preferably shouldn't be visible.

Especially for press pots, propagation and potting substrates (pot size 9 and 11) a very fine structure is very suitable because it offers a very homogeneous structure and optics. For a visible peat reduction in the substrate the uncoloured version is more suitable, which can also be used in organic substrates.

**This year also the coloured types will become available in organic quality.**

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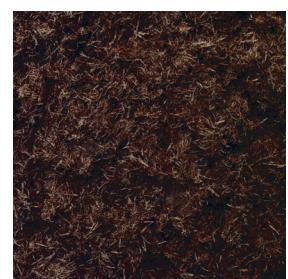
QUALITY WOOD FIBRE  
**LIGNOFIBRE®**



**LIGNOFIBRE® uncoloured**



**LIGNOFIBRE® coloured**



**LIGNOFIBRE® c Xtrafine**

## Peat usage with good conscience

Gramoflor has its own peat extraction sites with the focus in North Germany.

"The own production and renaturation according to the own developed "upper and subfield method" is preferred. Today this process is absolutely recognized from representatives of well-known nature conservation organizations", Josef Gramann explains. He adds: "And Gramoflor will continue with this commitment in the future."

The peat extraction in North Germany is exclusively done on areas that already have been drained and degraded for agriculture. Therefore peat extraction creates new living mires and biotopes. After finishing the extraction and in the sense to protect nature, mire and climate this work is given into the hands of the foundation Stiftung Lebensraum Moor, which was established in 2012 by Gramoflor.

Josef Gramann summarizes:

"It is so much sense in the statement 'Well combined – Peat reduced!', which we want to carry on giving as an advice for sustainable and also effective way for peat reduction. Renewable resources like the wood fibre and the environmentally friendly processed coco are definitely the methods of choice."



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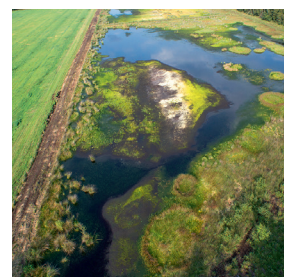
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*Initiative for more sustainability  
and ecological growth*

**WELL COMBINED – PEAT REDUCED!**

**GRAMOFLO**R

*Quality from the start!*

CERTIFIED QUALITY



RENEWABLE RESOURCES



REDUCING CO<sub>2</sub>



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