

The logo features a stylized green letter 'K' with a registered trademark symbol, followed by the word 'Coco' in a grey sans-serif font.

K[®] Coco

Technical Note



Shakti Amla[®]

The innovation for coir

www.klasmann-deilmann.com



Coir pith

Shakti Amla[®], the innovation for coir

Innovation is in our DNA. Hence, we provide the innovative Shakti Amla[®] coir. This specifically treated coir was developed and patented by Shakti Cocos, a pioneer, innovator and producer of coir products in India and Sri Lanka. Klasmann-Deilmann has taken this on board for its coir product range. Shakti Amla[®] coir has an adjusted pH. It offers major benefits during cultivation in terms of pH control and nutrient supply and thus supports healthy plant growth.

Shakti Amla[®]

However, the naturally high pH of coir was always taken for granted. In order to be able to use coir widely, even for crops that require a lower pH, an innovative treatment method was developed. Shakti Amla[®] provides an adjusted pH to optimise the pH pattern, especially at the beginning of cultivation, allowing easier pH control for the grower. The CEC-complex of Shakti Amla[®] coir is exchanged with H⁺ so the coir can balance the increasing pH during vegetative cultivation stages, mainly in the beginning of growth when roots need to be developed.



Shakti Amla® – The new standard for treated coir

Our innovative Shakti Amla® coir

The pH of coir products is naturally between 6 and 7. However, most crops require a lower pH for optimal root growth and better absorption of trace elements. Klasmann-Deilmann has overcome this with the use of the innovative Shakti Amla® coir. Shakti Amla® coir provides an exchanged CEC complex and the optimised pH of 4.5 – 5.5. This innovative coir is therefore very suitable for a wide range of crops, even for crops that require a low pH.

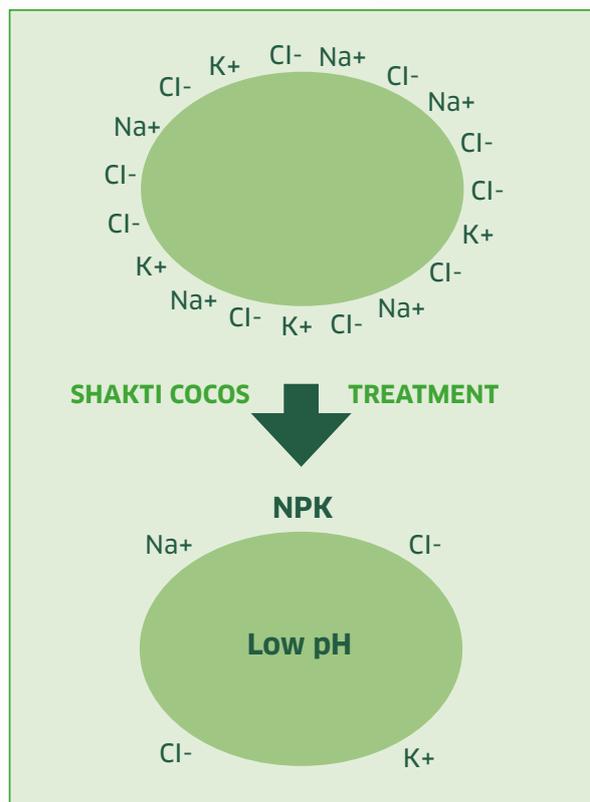
Shakti Amla® in new growing media

In the increasing demand for new growing media, where peat is often replaced by alternative constituents, pH is a major issue. The naturally low pH of peat has a lot of benefits for plant cultivation, root development and availability of elements. Most constituents other than peat increase pH and have no pH buffer at all. In this situation our Shakti Amla® can help solve the issue by keeping the pH low and thus having a positive effect on the pH-buffer. While other peat alternatives must be mixed with other constituents, there is little limitation to the use of properly treated coir.

We care for our environment - also with Shakti Amla®

In the production of Shakti Amla®, water and fertilisers are used more efficiently than with other ways of coir treatment. This means:

- Less water consumption during production
- Less leached fertilisers
- No leakage of nitrates during coir treatment
- Base fertilisation with NPK



The advantages of Shakti Amla® coir

Shakti Amla® has the same positive physical properties as the well-known traditional coir products, plus:

- The possibility to use pure coir as a substrate for crops that need a low pH but also pH neutral plants also benefit
- An adjusted pH to limit pH increase in the vegetative stage of growing
- An exchanged CEC complex to avoid unpleasant surprises in fertilisation
- The ability to fully exploit all the positive properties of coir for each crop
- Improved uptake of trace elements
- Better rooting and more hairy roots
- A faster start
- Stronger plants
- Better foliage
- More production
- Fewer diseases such as powdery mildew

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.



Find out more
about our premium
coir raw materials

Shakti Amla® is a registered trademark of the Klasmann-Deilmann Group.



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we make it grow