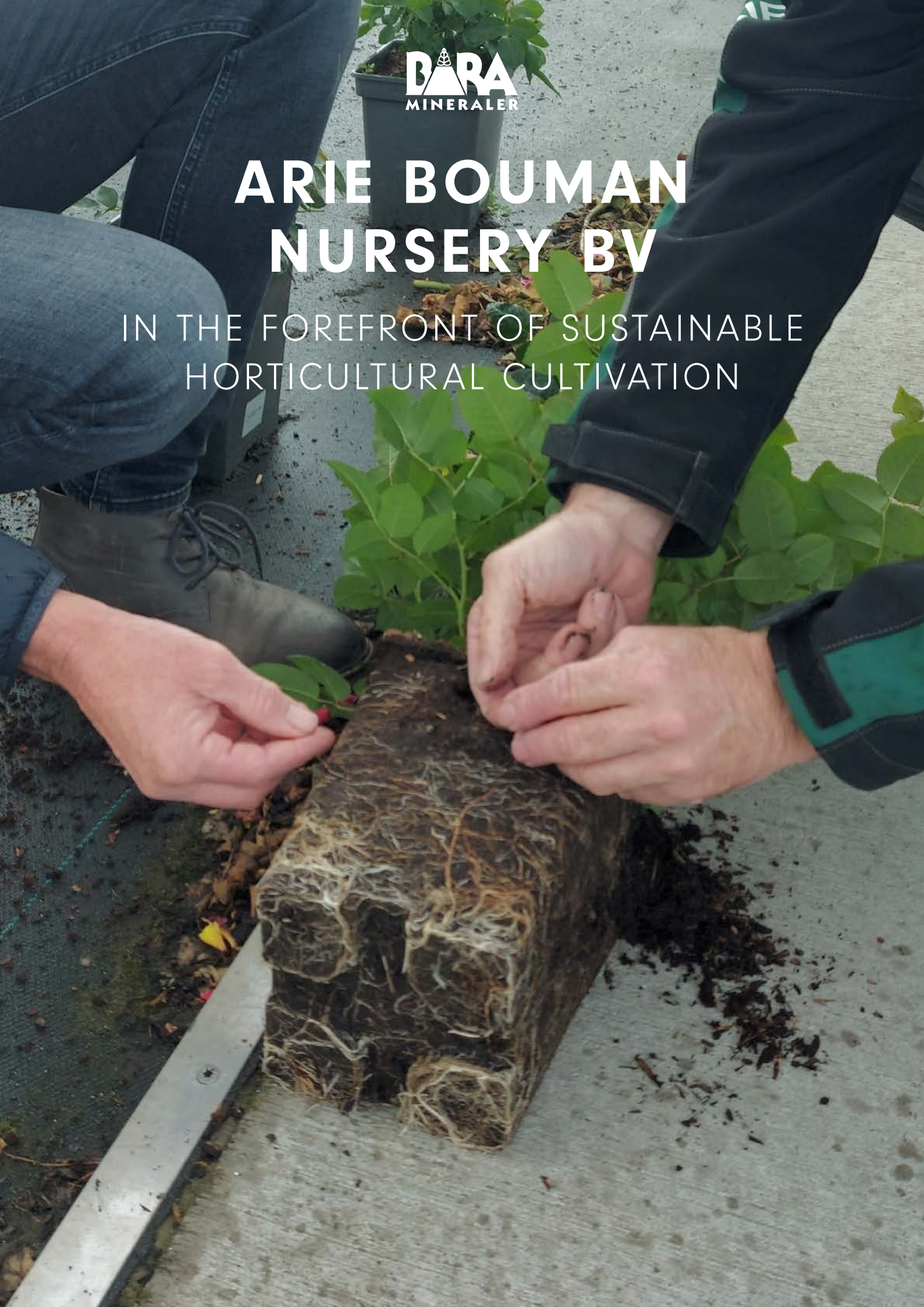




ARIE BOUMAN NURSERY BV

IN THE FOREFRONT OF SUSTAINABLE
HORTICULTURAL CULTIVATION



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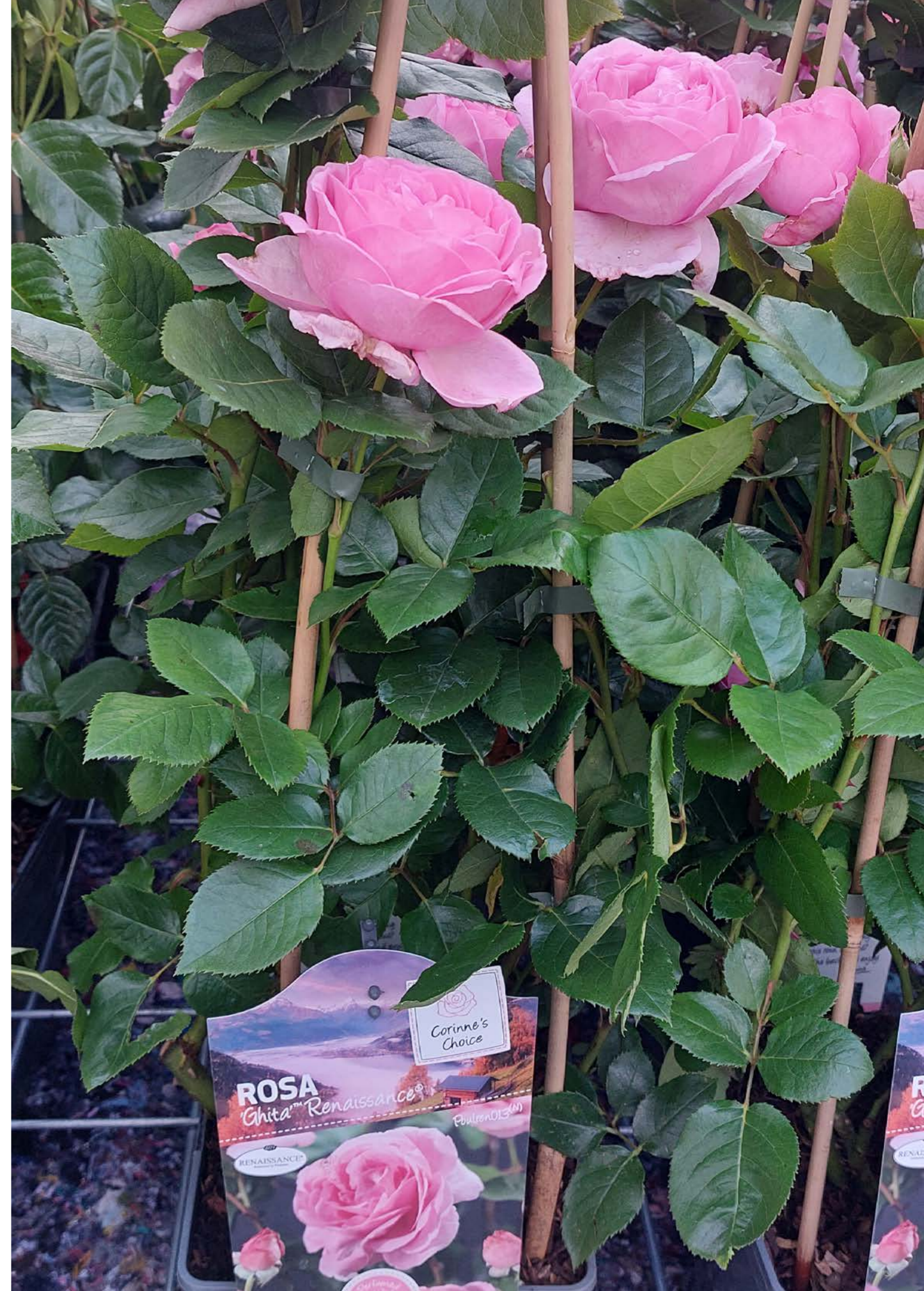
It was in the late eighties that Arie Bouman, Dirk's father, started selling plants at the weekly market and supplying plants to various companies. That gave Arie the idea to start Arie Bouman Nursery BV. Just over 25 years later, Arie Bouman Nursery BV has grown into a specialist supplier of garden plants to garden centers and hardware stores.

Arie Bouman Nursery BV is one of the leading Dutch nurseries for roses. The assortment consists of more than 250 varieties of bush roses, climbing roses and standard roses. Arie Bouman Nursery BV is the specialist in garden roses and every year thousands of potted roses in many shapes and sizes are grown on more than 8 hectares of container fields.

Various brands have been added in recent years, including the hydrangea concepts Forever & Ever and Endless Summer. Arie Bouman has an exclusive license from the American propagator Bailey Nurseries to grow plants from the First edition collection in the Netherlands.



Marco Raterink, Site Manager at Arie Bouman Nursery BV.



Arie Bouman Nursery BV is at the forefront of sustainable horticultural cultivation. Many measures have been taken to reduce dependence on plant protection products. In addition, extensive trials are being conducted with cultivation with peat-reduced cultivation substrates.

A good example of this is Arie Bouman's introduction of Bara Clay in the growing substrate, which helps in the transition to more sustainable cultivation.

BARA CLAY HELPS US TO BE IN THE FOREFRONT OF SUSTAINABLE HORTICULTURAL CULTIVATION.

Marco Raterink, Site Manager at Arie Bouman Nursery BV



The growing medium in the two pots on the left contains 20 and 40 kg of Bara Clay per cubic meter, respectively, resulting in compact plants without the use of chemical inhibitors.

The growing medium in the pot on the far right contains no clay, which has been compensated for with five applications of chemical inhibitors during the season to achieve a compact plant.



Arie Bouman Nursery BV headquarter in Wijk en Aalburg

Marco Raterink explains why he uses Bara Clay: Addition of Bara Clay provides an improved buffering of both nutrients and water and we see, for example, clear advantages with the combination of Bara Clay with organic fertilizers. By mixing in Bara Clay, the organic fertilizers remain more available and do not leach out.

Another example is that we can grow our hydrangeas so that they become more compact. This allows us to avoid the use of chemical growth regulators. This fits perfectly with our sustainability philosophy. Bara Clay reduces the amount of readily available water, making the plant work harder to get its water, resulting in more compact growth.

In peat-free and peat-reduced growing substrates, we see that Bara Clay is an important buffer for water and nutrients. Thanks to the addition of Bara Clay, we get healthier plants that are more resistant to diseases.

BY MIXING IN BARA CLAY, THE ORGANIC FERTILIZERS REMAIN MORE AVAILABLE AND DO NOT LEACH OUT.

Marco Raterink, Site Manager at Arie Bouman Nursery BV.



Arie Bouman is testing various peat-reduced and peat-free substrates. Above, a peat-free substrate with added clay is being evaluated. The pot on the right contains 40 kg of Bara Clay per cubic meter of substrate. The pot on the left has the same amount of clay per cubic meter, but from a different supplier.

WITH LESS PEAT, WE GENERALLY HAVE REDUCED BUFFER CAPACITY FOR MOISTURE, NUTRIENTS, AND pH FLUCTUATIONS. I SEE CLAY AS A VERY POSITIVE ADDITION TO RESTORE THIS BUFFER IN PEAT-REDUCED SUBSTRATES, WHICH CAN ALSO CONTRIBUTE TO GROWING MORE COMPACT PLANTS.

Bram van Bommel, product specialist for tree cultivation at Kekkilä-BVB Grubbenvorst B.V.





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