

The smaller the plug, the more difficult it is to distribute soil evenly. Nevertheless, Green Products manages to provide plugs from as little as 8 to 28 millimetres with perfect soil distribution. Would you like to know more? Read more about our unique technology.

Perfect distribution is necessary for an optimum result. This not only applies to paper pots, but also to cigars and cigarettes. They only smoke well when the tobacco is evenly distributed. It is therefore no surprise that Green Products uses proven technology from the cigar industry for the production of paper pots.

Technology from the Cigar Industry

Nowadays, most paper pots are produced with a TECHMEK, HETO or Ellegaard machine. These machines spread soil through suction. The dust particles are sucked in with extreme force so that all pores are filled with soil, resulting in damaged soil particles.

Green Products approaches the production of paper pots in an entirely different way. We distribute the crumbly peat particles evenly over a conveyor belt and then sprinkle them in a gutter. This spontaneously creates a shape with a diameter varying from 8 to 28 millimetres.

Immediately after sprinkling, we wrap paper around the peat. The result is a paper pot with a perfect homogenous distribution over the entire plug. Moreover, the soil particles remain undamaged because we do not apply suction.



Roots over the entire length

From the cigar industry we have acquired an extremely permeable paper. The roots of a plant can penetrate this paper quickly and easily and it enables them to develop over the entire length of the plug. Moreover, the paper does not close off the plug and lateral breathing takes place.





The Right Raw Materials as the Basis for Growth

Raw materials form an essential part of the production of paper pots. In suction-based techniques a dry soil compost is applied. During the suction process, the soil is made even drier with air. The disadvantage of this is that it affects the capillary action of peat. In the technique we use, up to seventy percent of the peat contains moisture. Moist soil contributes to a perfect distribution and ensures adequate intake of water during the cultivation process.

Solid shape

The Green Plugs have a solid shape; the plug does not shrink. The Green Plug retains its shape even in long root periods of 9-10 months. It is essential, particularly in automatic systems, that the plug retains its shape.

Each soil particle is exactly right

We work with soil suppliers who are specialists in seed and cutting mixes. Particularly with small plugs it is necessary that each soil particle is exactly right; the soil mix may not contain any dust. Together, we ensure that everything is exactly right.

Healthy growth with the assistance of our R&D Manager

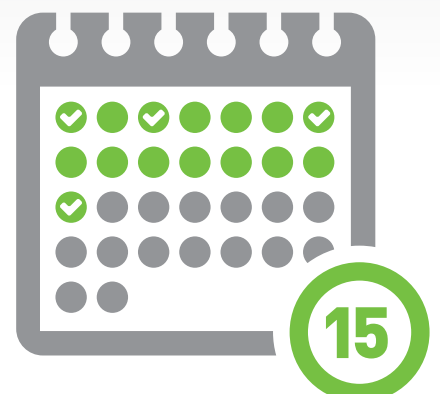
Our technical people know how to produce the optimum paper pot with unique machinery. We distinguish ourselves through working with a professional R&D Manager. Together with you, he will search for the best circumstances for the cultivation.

Reduce total cultivation time

A quick rooting is an important feature of our plugs. Using a soil mix that has good drainage will enable you to respond optimally to each plant development stage. You will return faster with irrigation and food supplements, which will reduce the growth phases and drastically decrease the total cultivation period.

High level of air

Our plugs are firmly filled. Firm plugs give the impression that the level of air is low. On the contrary: by playing with various soil mixes, we introduce a significant amount of air into the plug. We particularly apply young peat from turf sods. This is a wear-resistant type. The hard lumps of peat ensure a constant structure throughout the cultivation.





Finishing of the Paper Pot

Contrary to other production techniques, we make one long strand from the paper pot. At the end of the production process we divide this strand into lengths of 28 to 60 millimetres. This method of working allows us to fill each plug in the same way. To illustrate this, the Ellegaard machine applies as many as twelve different suction forces to produce a paper pot. These different suction forces lead to irregular filling, resulting in a different composition for each plug.



Each plug receives the same treatment

Because our plugs have the same composition, they dry out simultaneously and take up moisture simultaneously. The result? Seeds germinate at the same time and cuttings start the development of the callus simultaneously. In short: plants are always at the same growth stage. Consequently, the plants can be given the same treatment and will save you time and effort.



Small plug, big result

We are distinctive in small diameter plugs. Our unique technology makes us the only global producer of these quality plugs.

The advantage of these small plugs is that the GP technology ensures better distribution. The smaller the space to suck soil into a tube, the more difficult it is to achieve an even distribution. The use of small plugs ensures optimum use of the volume and high production levels. You will also save on space and energy.



Optimal aeration

We use various types of trays. The shape of the cup is essential for good drainage. That is why we ensure optimal aeration: the plug is entirely open and clear of the ground.

Ready for use

The plugs are sufficiently moist and provided with a cutting hole or brushed seed hole so that they are immediately ready for use upon arrival.

