

The Ellepot propagation system



ELLEPOT®
GROW SMARTER

A UNIQUE PROPAGATION METHOD

DESIGNED AND BUILT IN DENMARK

With the Ellepot system you reduce waste handling because there are no plastic pots to store, handle, or get rid of. This provides great savings for our customers. Using the Ellepot system ensures healthy and fast root development, resulting in high uniformity, improved crop timing and increased growth success rates for the plants.

THE VALUES OF THE ELLEPOT SYSTEM

ELLEPOT PAPERS

Replace single-use plastic pots and bags with degradable paper



SMARTER PRODUCTION

Highly reliable and flexible, the Ellepot system can be customised to suit your exact needs with regard to output, pot and tray sizes, and soil mixes.

BENEFITS:

- Reliable production
- Customisable and flexible
- Worldwide service setup
- Original spare parts delivery service
- Automation



SMARTER HANDLING

Significantly reduces logistics and labour costs through easier and faster transplanting, eliminates transplant shock, and increases plant quality, health, and structure.

BENEFITS:

- Easy patching and sorting
- Faster transplanting and handling
- Cost and logistics savings
- No transplant shock
- Automation



SMARTER PROPAGATION

Ensures healthy and fast root development, resulting in high plant uniformity and optimised crop timing with very short bench time compared to other systems.

BENEFITS:

- Faster and healthier root development
- Shorter production cycle
- Increased wet/dry cycles
- Reduced plant shrink
- Higher uniformity of plants
- Higher yields/higher survival rates
- Reduced plant mortality



SMARTER PLANT OUT & SALES

Ellepots allow plants to be planted directly into the soil without removing and disposing of a conventional plastic nursery pot or bag. This reduces plastic waste handling while supporting smooth transplanting, consistent plant quality and high plant uniformity.

BENEFITS:

- Plant directly in the soil
- No removal of plastic tubes/inserters
- Higher yields/higher survival rates
- Easier packing/shipping
- Higher quality end-product

COMPOSITION & DEGRADATION ELLEBAG

Composition & Durability

Ellepots' FP Paper is engineered from natural cellulose wood fibres combined with a polyester fibre reinforcement. This reinforcement helps the Ellebag maintain the structural strength and handling stability required during the extended nursery production period.

Degradation Process

In accordance with standard EN 16575, degradation causes structural fragmentation. The natural cellulose fibers break down in the soil within a few months, eliminating root restriction and promoting natural root establishment.

All Ellepot papers are degradable and crafted from wood fibers sourced from well-managed, FSC®-certified forests and other renewable resources. They undergo a highly structured and strict quality control process, including the careful selection of raw materials and comprehensive testing. With safety and sustainability in our DNA, security is built into every fiber to consistently improve root growth.

Independent testing & ecological safety

A thorough testing and documentation program forms the foundation for all Ellepot Papers. It is not just a paper that will degrade in a requested period of time. Every content and ingredient in the paper is analysed and evaluated. FP Paper was included in independent laboratory analysis carried out by the Danish Technological Institute and assessed by SEGES, an independent Danish agricultural knowledge centre. The assessment used an intensive field-use model of 90,000 plants per hectare, six times annually, representing approximately 70 kg of Ellepot Paper per hectare. The analytical results were compared with relevant heavy-

metal limits in European Directive 86/278/EEC. Testing also found no detectable phenols, cresols, xylenols or phthalates in the analysed Ellepot Papers. Based on the parameters assessed, SEGES concluded that the Ellepot Papers 'pose no harm to the environment compared to limit values in the directive.

SMARTER ROOT DEVELOPMENT

When using Ellepot technologies for propagation, the unique air-pruned root structure is one of the main benefits you will experience.

Air-pruning with the degradable and penetrable Ellepot Paper® and AirTrays® provides a full, fibrous, and strong root system with a high level of secondary and tertiary roots, giving growers a finished plant optimal for fast and easy plant-out. The roots suffer no or minimal transplant shock, resulting in optimal in-field establishment with faster yield.



Root development Ellepot paper vs. plastic bag.



DESIGNED FOR THE ELLEPOT SYSTEM

NATURAL ROOT DEVELOPMENT

Ellepot papers and Trays help automate your nursery, saving time and work. By establishing plants with better air pruned and more natural root systems, nurseries are able to improve the overall plant quality.

Better Roots: More air for healthier, stronger roots.

Save Time: Works with all types of automation.

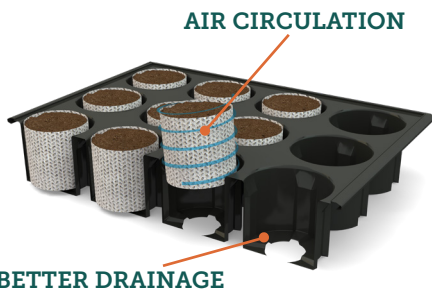
Faster Transplanting: The AirTray® and Ellepot system allows for faster and earlier transplanting.

Moving plants to larger pots "stepping up", can also be easily automated — simply drill a hole in a larger Ellepot and slot the smaller Ellepot inside.



MORE THAN A TRAY

For seamless automation with Ellepots, it is crucial to use a tray or container that securely holds the Ellepot without excessive tightness, provides full-length support, and prevents media loss at the bottom without encouraging circling roots.



Ellepot trays are designed as a technology to create the best possible conditions for rooting young plants in Ellepots. The trays are unique and designed to provide optimal air circulation and drainage, preventing circling and girdling of roots.

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