

fertilpot

100% ORGANIC & BIODEGRADABLE CULTIVATION POTS

Description

FERTILPOT is a biodegradable cultivation pot made of wood fibres. It is used for horticulture, in ornamental plant, vine and tree nurseries, as well as for the domestic gardening market.

It has exceptionally high permeability to water, air and roots. These characteristics, combined with its high mechanical strength, has established the reputation and success of the FERTILPOT throughout the horticulture world. FERTILPOT is designed for those looking for faster cultivation, an excellent root system and re-establishment without transplant shock.

It also offers an original solution to the needs expressed by users looking for "ready to plant" products that will not be harmful to the environment.



FERTILPOT for ornamentals



Manufacturing process

COMPOSITION

The FERTILPOT is mainly made up of wood fibre.

The FERTILPOT does not contain any technological additives, chemical product residues or printing inks, this is a **100% organic product**. The wood is obtained strictly from thinning out, and has very specific characteristics. Additionally, the peat is not obtained from ecologically sensitive areas.

PROCESS

The wood is heat treated to destroy any phytotoxic compounds. Then a pulp is obtained through a mechanical process, which is conveyed to the moulding machine to form pots. To obtain sterile pots, they go through a dryer. The entire process is very environmentally friendly.



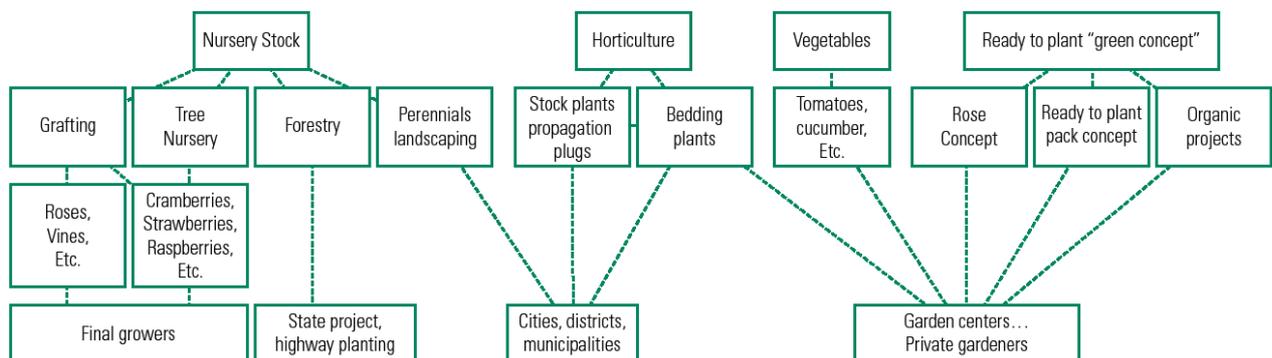
QUALITY CONTROL

A large number of checks are carried out from receipt of the raw materials throughout the manufacturing process of the FERTILPOT. All measurements taken are logged in a database, and can then be retrieved from the manufacturing code printed on the packaging on the finished product. For the user, the most important characteristics are its permeability to water and its mechanical strength. This very much reflected in the plant growth qualities of the FERTILPOT.



Two simple tests can be carried out to see just how much better the FERTILPOT performs: For the first test, fill the pot with water and measure the time it takes to seep through the pot walls. The pots empties very quickly. This is the reason why the FERTILPOT do not require drainage holes on its sides. For the second test, crush the pot by hand – it should spring back into shape and remain intact. This suppleness prevents any breakage when the plant is repotted, and is a gauge of the pot strength while the plant is growing.

Practical applications for FERTILPOT



How FERTILPOT works...

AERIAL ROOT PRUNING

Containers impermeable to roots hair cause deformation to the roots. The most common problem is coiling of roots, but this is not the only one (roots gathering in corners, roots growing upwards, crushed roots, etc).

When plants are grown in a FERTILPOT, the roots quickly penetrate the pot walls. Contact with the air stops the roots from elongating, root buds start to appear and secondary roots start to develop throughout the pot. This phenomenon is known as "aerial root pruning".

The advantages of this are two fold; one of interest to the user of the FERTILPOT and the other to the user of the plant grown in the FERTILPOT.

The volume of the pot is used 100% by a dense network of root hairs. In containers with impermeable walls, a few very long roots use all the area around the pot. This difference in quality of the root system is the main explanation for the marked difference in development between two identical plants grown in a FERTILPOT and a plastic pot, using the same pot size.



Comparison root development

When a plant grown in a FERTILPOT is planted or potted (without removing the pot), the dormant root buds set during aerial containment are immediately activated. There is no shock from transplanting, this difference is particularly marked when ground conditions are difficult (cold, drought, adverse season, etc). Finally, as there is no deformation in the root system, the plant establishes easily and settles into the soil quickly.

The FERTILPOT is easily biodegradable and transforms into organic matter.



Automatic destacking with FERTILPOT

The speed at which it degrades depends on different parameters, primarily linked with the intensity of microbial activity. With spring planting in a temperate climate, only a few fragments of the wall will still be visible after a few months.



FERTILPOT root development VS Peat Pot

Testimonials



"I have been using Fertipots for lettuces and herbs propagation in hydroponics for the last ten years. They are quick and easy to use, and allow a 98% success rate in germination, without any restriction on the growth of the stem or the roots. The absence of waste disposal is a plus."

- David Valentine, Pinjarra, WA

"The biggest advantages in using Fertipots in our nursery are the absence of transplant shock, the time saving in labor, and its environmental quality (no wastage). We also found that we use less water than with the plastic pots. The root development is stronger, providing a better established plant."

- Gary Howe, Oakford, WA Tube Stock Nursery





100% ORGANIC & BIODEGRADABLE
Permitted for use within organic farming systems

Advantages of FERTILPOT

HORTICULTURAL ADVANTAGES

-  **FOR GROWTH**
 - ♦ Very dense, very active root hair system
 - ♦ The entire pot is used
 - ♦ Improved growth
 - ♦ Ability to transplant without waiting for roots to develop into growing medium.
-  **FOR ESTABLISHMENT**
 - ♦ No transplant shock
 - ♦ Improved establishment speed
 - ♦ More even batches
 - ♦ Larger growth area in the soil
 - ♦ Elimination of adaptation phase after planting
-  **FOR THE PLANT'S FUTURE**
 - ♦ No root deformation (coiling, knotting, folding, girdling, spiraling, strangulation, uneven distribution, etc)
 - ♦ Excellent establishment

ECONOMIC ADVANTAGES

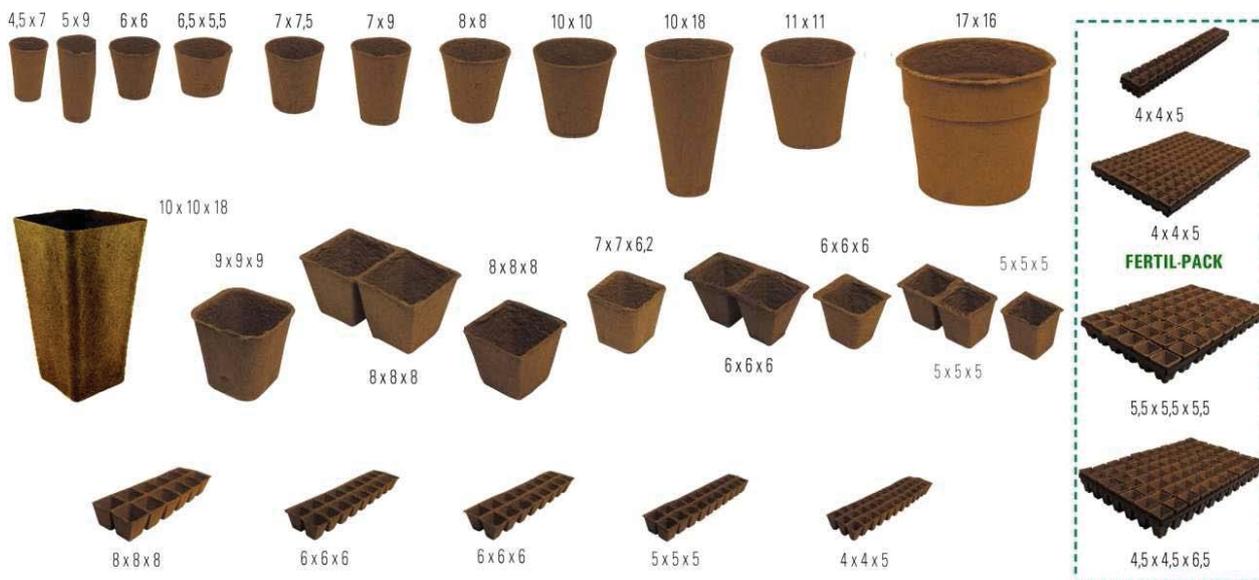
- ♦ Acceleration of cultivation and growth
- ♦ Reduction in pot size compared to plastic pot to obtain a finished plant of the same size
- ♦ Reduction in planting density to achieve the same result
- ♦ Speed of repotting or planting (no need to remove pot)
- ♦ Extension of planting periods
- ♦ Elimination of time wasted collecting plastic pots and no cost for recycling

ECOLOGICAL ADVANTAGES

- ♦ **100% biodegradable organic product**
- ♦ Transformation into humus - which improves soil fertility
- ♦ Compared with plastic, no accumulated waste or, in the case of combustion, no harmful emission
- ♦ Renewable raw material source which contributes to forest maintenance;
- ♦ Industrial process that preserves the environment

The FERTILPOT range*

The very wide FERTILPOT range features pots for every situation, from 25 cm (4 x 4 x 5 cm) up to 3 litre (17 x 16 cm), in round, square single or in strips and also ready to use in carrying trays (FERTIL-PACK).



* Actual range in stock will vary between shipments. Please contact Biogrow to find out current stock availability.

