



HEMWOO™ PlantMeToo Pot



The world's first biodegradable planter pot made from hemp and wool fibre.

HABBAG™ HEMWOO™ pots are made from sustainably grown fibres. They are 100% biodegradable and compostable. This means the plant can be planted into the ground in the HEMWOO™ pot. HEMWOO™ PlantMeToo Pots replace plastic pots for plant growing.



Hemp and Wool are 100% renewable fibers

The US alone consumes over 5 billion petroleum-based plastic plant containers each year (750,000 metric tons of plastic)

United States Department of Agriculture

Nitrogen, sulphur, sodium, potassium, and magnesium feeds the soil and microbes in your soil



HABBAG™ HEMWOO™
made in _____ **NZ**



100% Biodegradable and Compost-able

100% PLASTIC FREE

Encourages the plant roots to grow freely, root pruning as they hit the air outside the pot. This encourages a fibrous root system and stops root girdling. Pot can be placed in the soil when roots start to show on the outer surface and air prune.

Hemp and Wool grown in _____ **NZ**



Gentle on the planet, helps to reduce single use plastic in your garden



Reduce plastic waste, use a HABBAG™ HEMWOO™ pot

Reduces transplant shock

Put your plant in the ground in its HABBAG™ HEMWOO™ pot



HABBAG™ HEMWOO™ breaks down in the soil 100% natural



Healthy plants, Healthy soil, Healthy planet



Benefits of using HABBAG™ HEMWOO™ Pots

- ▶ The non-woven hemp/wool fabric used to make HABBAG™ HEMWOO™ pots allows the roots to be air pruned as they grow through the wall of the bag. Air pruning occurs when roots emerge through the fabric meeting the outside air causing them to die back to the edge of the bag fabric. *Ref Photo 1.* This in turn encourages the plant to produce new roots, which are air pruned when they emerge through the wall of the bag. The outcome of this ongoing process is a plant with a very dense fibrous root system. *Ref Photo 2, 2a and 2b.* In contrast the roots of a plant grown in a plastic pot or planter bag do not air prune when they hit the inside wall of the pot. They keep growing around the inside wall of the pot causing root girdling, if the girdled roots are not removed before planting this will result in plant death. *Ref Photo 3, 3a and 3b.*
- ▶ HABBAG™ HEMWOO™ pots are made from sustainably grown fibres. They are 100% biodegradable and compostable. This means the plant can be planted into the ground in the HEMWOO™ pot. HABBAG™ HEMWOO™ pots replace plastic pots for plant growing. This, including the dense fibrous root system as mentioned above gives the plant a far superior start when planted in the ground compared to a plant with a weaker root system that has its pot removed and its roots manually pruned prior to planting.
- ▶ HABBAG™ HEMWOO™ pots, as they biodegrade, release nutrients into the soil assisting with healthy plant growth. The fibres we use naturally contain the following nutrients: **nitrogen, sulphur, sodium, potassium, and magnesium.**

Economic Benefits achieved

- ▶ Our HEMWOO™ PlantMeToo Pot results in a large reduction in the demand and use of plastic pots-bags, in turn, this reduces the use of synthetic raw materials which contribute to CO2 emissions.
- ▶ Our HEMWOO™ PlantMeToo Pot eliminates the required plastic recycling process, the recycling process is costly, time consuming and has a large carbon footprint.

Sustainability Benefits

- ▶ There are hundreds of billions of plants grown around the world each year, there will always be a demand for natural fibre planter pots & bags and geotextiles.
- ▶ Wool and Hemp are both sustainable fibres, and as the planet moves away from plastics, their use will become important and prevalent in our future.

Habbag Hemwoo PlantMeToo Pot and Plastic pot comparison.

Plants were transferred from growing cell to a HEMWOO™ and plastic pot at the same time, after 12 months growing in a commercial nursery environment. They were inspected for pot performance results. This is the Plant performance comparison and outcome photos below.



Photo 1 HEMWOO™ Pot Plants Air Pruned root on pot bottom



Photo 2, HEMWOO™ Pot Plant fibrous root system



Photo 2a, Weight of HEMWOO™ Pot Plant root system 56 grams 1.97 ounces



Photo 2b, HEMWOO™ Pot Plant healthy root system



Photo 3, Plastic Pot Plant root system



Photo 3a, Weight of Plastic Pot Plant root system 23 grams, 0.81 ounces



Photo 3b, Plastic Pot Plants girdled root system