



2002
PERLINDUSTRIA

Data sheet

Hydroponic crop

Bag

Hydroponics or hydroponic agriculture is a method used to grow plants using mineral solutions in an inert medium, expanded perlite, replacing the agricultural soil.

The roots receive a nutritious and balanced solution dissolved in water with all the essential nutrients useful for the development of the plants, which grow in the inert medium provided by the expanded perlite.

Physical properties

Colour	White
Bulk density	70-130 kg/m ³ (according to PLAB 0701)
PH (in water)	7-10 (According to PLAB 0705)
Not Floating	<25% (according to PLAB 0741)
Relative humidity	<2% (according to PLAB 0713)
Water absorption	Minimum 25% of the volume
Thermal conductivity	≤ 0.04W/mK to 20°C
Specific heat	0.84 kJ/kgK
Combustibility	Non-combustible
Asbestos	Asbestos free

Advantages of the crop

- Greater control over plant nutrition
- Higher plant yield, more production
- Equality between fruits, less difference in size
- High water savings
- Oxygenation of the plant
- Low soil temperature / growing medium

How to use it

1. Drill holes following the cultivation line.
2. Saturate with nutrient solution.
3. Let it stand during approximately 48 hours
4. Perform the drainage cuts following the lower marks.

Packaging and conservation

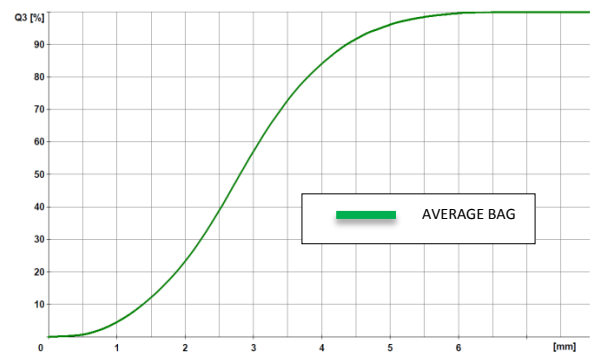
It is packed in bags of 30, 35 or 40 litres, with an approximate weight of 2.8 and 3 Kg per bag.

Keep the original packaging in a cool and dry place.

Particle size

sieve (µm)	% detained (vol.)
5000	< 20 %
2000	10-60 %
1400	30-75 %
600	< 25%
0	< 5 %

*According to PLAB 0749.



Average particle size: From 1 a 4.5 mm (reference value)

