

Instructions / Technical Datasheet

1. Expanding the Cube

The dry cubes are placed on flooding tables or on a concrete floor. A **water level of minimum 2 cm** is gradually filled up on the floor/table. Building up the water level should be done very slowly to avoid floating of the cubes. The cubes will absorb nutrient solution via the drain slits at the bottom. To create a full expansion, at last, one additional **irrigation from the top** is advised. The cubes must be expanded at least 24 hours before use. Mind that the cubes also expand horizontally: there should be a free space of approx. 1.0 cm between the dry cubes when placing the cubes on the floor/table. The cubes must be **fully saturated** before transplanting the seedlings: the weight of the saturated cubes is listed in the table below.

2. Nutrient Solution

The following nutrient solution should be used for expansion and saturation of the cubes as well as during the entire propagation period:

pH **5.0**

EC (ms/cm) **3.5**

NH ₄	0	mmol/l	NO ₃	15.5	mmol/l	Fe	35	µmol/l
K	4.0	mmol/l	Cl	0	mmol/l	Mn	10	µmol/l
Na	0	mmol/l	SO ₄	2.0	mmol/l	Zn	5	µmol/l
Ca	6.0	mmol/l	HCO ₃	0	mmol/l	B	35	µmol/l
Mg	2.5	mmol/l	H ₂ PO ₄	1.5	mmol/l	Cu	0.8	µmol/l
Mo	0.5	mmol/l				Mo	0.5	µmol/l

This solution is **rich in calcium** as the coco material will absorb calcium during the first weeks. Therefore, the K level in the nutrient solution is reduced. Mind that the **pH** of this solution should be **5.0 instead of 5.5**. The EC in the cube can be measured using coco extractions. The **EC in a 1/1.5 volume extraction should not be higher than 2.0 mS/cm**.



Fibrgro Premium Coco Propagation Cubes are a starter cube made from sieved, triple-washed and buffered coco coir pith. Featuring optimal air-to-water ratio, this grow media is excellent for propagating clones or seeds. The top of the expandable plastic bag has a pre-made larger plant hole with adjacent smaller holes for easy fertigation / irrigation access. The bottom has drainage slits with a removable panel that facilitates seamless transfer to larger grow bags without risking transplant shock.

Application

Ready-to-use grow media propagation cubes. Compressed coco coir pith cubes with homogeneous structure and high air content. Simply hydrate the coir for expansion and plant your clone or seed!

Please note: this product needs to be fertilized before use, depending on the crop.



Instructions / Technical Datasheet (Continued)

3. Moisture Content

The moisture content of the cubes during the propagation period should be monitored by measuring the weight of the cubes. The **weight of the cube** should not become **less than the minimum weight as shown in the table!** Otherwise the moisture in the pot is too low and the growth of the young plants will be restricted!

Cube dimensions	Saturated weight	Minimum weight
4 x 4 x 2.5in (10 x 10 x 7cm)	525g	420g
4 x 4 x 4in (10 x 10 x 10cm)	750g	600g

Please Note: This advice is being given without any engagement.

Technical Data / Features

Chemical analysis

EC* ≤ 0.5 mS/cm

pH-H₂O 5.5 – 7.0

Physical analysis

Air filled porosity
at saturation 25 (± 2.5) vol%



■ Pre-made plant hole with smaller irrigation / fertigation holes



■ Removable bottom for seamless transfer to larger grow bags or pots

Cube sizes	Qty / box	Qty / skid
4 x 4 x 2.5in	192ct	70 / boxes
4 x 4 x 4in	144ct	70 / boxes

Packaging: Packing in boxes on pallets or loose stacked on half pallets.

Cations	mmol/l	mg/l (ppm)	Anions	mmol/l	mg/l (ppm)	Micro elements	μmol/l	mg/l (ppm)
NH ₄ (N)	< 0.1	< 2	NO ₃ (N)	< 0.2	< 12	Fe	< 40	< 2.2
K	< 3.0	< 117	Cl	< 3.0	< 106	Mn	< 10	< 0.5
Na	< 2.0	< 46	SO ₄	< 0.3	< 29	Zn	< 10	< 0.7
Ca	< 0.3	< 12	HCO ₃	< 0.5	< 31	B	< 40	< 04
Mg	< 0.3	< 7	P	< 0.2	< 6	Cu	< 5	< 0.3

*Test method: 1:1.5 volume extraction with demineralized water



Disclaimer

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