

# Hydroponics



**Jiffy**<sup>®</sup>

*It's all about the roots*

# Growblock®



## Innovative product

Growblock is an innovative new growing medium made of 100% coco substrate. The product is delivered as a dry plate enclosed in a degradable netting to be expanded into a block.

The degradability is adjustable to match the expected life span of the crop. It also makes sure the media stays inside of the block, keeping the greenhouse environment clean.

After rapid expansion with a water and fertilizer solution, Growblock is ready for propagation or cultivation of plants. The product can be delivered in any size, with or without a seedling hole according to the specific crop requirement.

## Rapid rooting and growth

The purified, stabilized coco substrate is carefully selected by Jiffy to give a maximum WHC of 60-75% with a homogenous distribution. Air filled porosity of 20-35% ensures optimum oxygen diffusion rates in the root zone. The high water holding capacity and air filled porosity result in rapid rooting and stronger roots resulting in rapid vegetative growth of plants.

## Clean, inert and stable substrate

The substrate of Jiffy Growblock is stable due to the

naturally high lignin content of the coco substrate. Shrinkage is held to a minimum and rapid re-saturation is guaranteed. The clean inert nature of the substrate allows for the grower to make adaptations to any fertilizer application with a range of EC and pH levels.

## Further research and development

Currently, growers and propagators around the globe are utilizing Jiffy Growblock already. For both roses and vegetables, the results are so convincing it makes Growblock a suitable alternative to rockwool media. Feel free to contact us for further information on **Growblock, or to arrange a trial of this product at your own location.**



# Growbag

## Multipurpose product

Jiffy Growbag is the most powerful multipurpose growing medium available. Made of 100% coco substrate the Growbag is used in a broad range of crops. The product is delivered as a dry plate enclosed in plastic foil with a black inside and a white outside layer. After rapid expansion with a water and fertilizer solution, Jiffy Growbag is ready to be planted. The product can be delivered in a few standard sizes, with or without precut plant and drainage holes. Predrilled holes for adding the drippers more easy are also optional.

## Jiffy Premium Growbag

Our double layered grow bag is the Jiffy Premium Growbag. Double layered by means of a top layer with coco pith and a bottom layer with husk chips. The top layer improves the root development of the crop and herewith a quick start of the culture. The bottom layer has a high air content and ensures optimum oxygen diffusion rates in the root zone. Especially in the second half of the season these high air contents turn out to be the base for the successful growing on the Jiffy Premium Growbag! Comparisons in practice have shown up to 10% better results with the Jiffy Premium in relation to standard coco grow bags.



## Jiffy 5050 Growbag

For specific crops like roses and cucumber we also have a special mix where the good characteristics of husk chips and coco pith are combined. Both products are mixed homogenously to achieve the best possible filling. Positive aspect of the Jiffy 5050 Growbag compared to the Jiffy Premium Growbag is a higher water holding capacity. Therefore it suits perfectly for growing cucumbers and roses, especially in the hotter climates.

## Jiffy Growbags

ITEM NUMBER	ITEM NAME	DESCRIPTION	#/SEMI PALLET	WEIGHT/GB (KG)	PALLET (KG)
61001508	JIFFY PREMIUM	100CMX15CMX8CM, LAYERED	320	1.607	514
61002010	JIFFY PREMIUM	100CMX20CMX10CM, LAYERED	225	2.35	529
61011508	JIFFY HC	100CMX15CMX8CM - HUSK CHIPS	320	1.6143	517
61012010	JIFFY HC	100CMX20CMX10CM - HUSK CHIPS	215	2.4628	530
61061508	JIFFY 5050	120CMX15CMX7.5CM, HC 50%+CP50%,MIX	320	2.053	657

SEMI PALLETS: SIZE - LENGTH X WIDTH X HEIGHT ' 98CM X 108CM X127CM

## Parameter

CHEMICAL PARAMETERS	JIFFY GROWBAG - 5050	JIFFY GROWBAG - HC	JIFFY GROWBAG - PREMIUM
PH	5.5 - 6.5	5.5 - 6.5	5.5 - 6.5
ELECTRICAL CONDUCTIVITY	300(+/- 200)µS/CM	300(+/- 200)µS/CM	300(+/- 200)µS/CM
PHYSICAL PARAMETERS	JIFFY GROWBAG - 5050	JIFFY GROWBAG - HC	JIFFY GROWBAG - PREMIUM
MATERIAL TYPE	COCO PITH 50% + HUSK CHIPS 50% MIXED	HUSK CHIPS 100%	COCO PITH 50% + HUSK CHIPS 50%, DOUBLE LAYERED
PARTICLE SIZE	0.5MM - 2.0MM	4.0MM - 8.0MM	0.5MM - 8.0MM
ORGANIC MATTER ( WEIGHT) %	96	97	97
DRY BULK DENSITY	68-78 KG/CBM	82-88 KG/CBM	75-85 KG/CBM
AIR VOLUME ( AFTER DRAINAGE) %	25	44	34
WATER VOLUME ( AFTER DRAINAGE) %	70	50	60
TOTAL PORE VOLUME %	95	94	94
PERCENTAGE VOLUME CHANGE FOR GIVEN SPECIFICATION OF GROW BAG VOLUME (TOTAL VOLUME OF EXPANDED GROWBAG : LENGTH X WIDTH X EXPANSION HEIGHT)	(+/-5%)	(+/-5%)	(+/-5%)



## Jiffy Husk Chips Growbag

Crops which do best in airy substrates can be grown on the Jiffy Husk Chips Growbag (HC Growbag). Compared to the Jiffy premium Growbag and Jiffy 5050 Growbag it has a very high air content of up to 44 Vol% when saturated with water. These grow bags are used in our moderate climate zones for growing crops which like to be watered intensively without drowning the root zone. With the Jiffy HC Growbag we ensure the oxygen-level in the root zone needed for successful growing till the end of the season.

# Quality & Satisfaction



## Innovative and environmentally friendly

Manufactured out of coco substrate derived from pithy tissues of coconut husk, Jiffy Growblocks and Growbags are a renewable, environmentally friendly substrate with no disposal issues. Combining this with the "adjustable degradable" netting makes Growblock the only right economical choice for cultivating cut flowers and vegetables on substrate. The growing system is completed with the Growbag: Jiffy Growblock and Growbag the perfect sustainable match for growing!

## RHP Quality Mark for Substrate

The Growblock and Growbag are certified according to the high RHP standards, produced by Jiffy products Sri Lanka, a Jiffy manufacturing location under the RHP membership of Jiffy International AS. The RHP Quality mark is a must for sustainable growers who only want to work with safe and reliable substrates. The Growblocks and Growbags comply with the demands from professional growers; Growblock and Growbag conforms to the highest standards in chemical and physical requirements, as well as standards for weeds and are free of pathogenic germs making them a viable choice for today's professional grower.

## Quality guarantee

The RHP quality mark constitutes the basis for watertight

agreements with substrate suppliers concerning the quality requirements with which a substrate must comply. An independent organization performs checks for compliance with these agreements, so that growers can rest assured that the supplied substrate will be of perfect quality.

## Uniform product

The stringent requirements with which substrates bearing the RHP quality mark must comply translates into every grower using RHP-approved substrates will know that the products will not deviate from the specifications in an inadmissible manner. So no matter what season; Summer, Fall, Winter or Spring, you can be reassured that the quality of an RHP-approved substrate will be the same.

## Crop Insurance

Insurance companies often refer to the RHP-quality mark when dealing with crop insurance as for them, RHP certification is a sound guarantee often rewarded with attractive premiums for you.

## Limited risk factors

As the RHP Foundation's quality assurance system covers the entire production chain, risk factors are excluded at a very early stage to leave absolutely nothing to chance.

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