



**Jiffy**<sup>®</sup>

*It's all about the roots*

Product Catalog(ue)  
*english*



## Introduction

### Jiffy International AS,

headquartered in Kristiansand Norway, comprises an international group of companies focusing on the development and manufacturing of environmentally friendly high quality propagation systems and growing

substrates to the professional horticultural-, nursery- and forestry markets worldwide. Utilizing renewable resources and bio-based materials such as peat, coir, pulp, plant starches and other bio-mass, Jiffy has been on the forefront of sustainability for many years since introducing the very first truly biodegradable pot in the mid 1950's. Jiffy's manufacturing sites and sales offices are positioned around the globe, guaranteeing the horticultural/agricultural/forestry industry the availability of uniform, high quality propagation systems and growing substrates no matter where they operate.

### Manufacturing and harvesting

Jiffy's pot and pellet manufacturing production sites are strategically located near the raw material sources in Canada, Denmark, Norway and Sri Lanka. Mix plants are located near raw material sources in Estonia, Sweden and Canada. The company also produces high quality mixes in the Netherlands, Estonia, Sweden and the USA. Jiffy bonded plugs, marketed as 'Preforma', are produced near some of the world's major greenhouse clusters in the Netherlands, USA, Spain and Japan. Today's professional grower relies more than ever on top quality inputs for their businesses and they can rest assured choosing for Jiffy is equal to choosing for highest quality possible. Jiffy abides by the highest industry standards, providing the highest quality, certified products, safeguarding the environment at all times.

### Quality assurance

Jiffy is so much more than selling product to the customer as both before and after the sale, technical assistance is made available through Jiffy's Account Managers, all possessing a solid background in the horticultural industry. Jiffy's Account Managers are backed-up by 'Product Managers', with an integral knowledge of Jiffy's extensive array of products; Preforma, Jiffy pellets, Substrates or Jiffy pots, or specialized in special applications such as hydroponic growing, forestry, nursery and more.

Our Customer Service departments based at our two main sales locations in the Netherlands and the USA provide the service and support you need. Additional regional and local Jiffy distributors' worldwide offer a nearby source for our product line almost anywhere in the world.

Superior products, prompt service and technical support, no matter where the customer is located is what today's Jiffy is about.

### International Sales Offices:

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Toll Free; 1 800 323 1047 (NA only)  
E-mail: [prosales@jiffygroup.com](mailto:prosales@jiffygroup.com)



## Quality

**Jiffy** is all about supplying guaranteed high quality products to its customers, therefore, a rigid quality control system has been put in place for all of Jiffy's, trade, transportation, substrates and production locations, as well as for all related horticultural products worldwide, safeguarding the highest quality possible.

Jiffy's 'Central QA Command' is based in Moerdijk, the Netherlands. From here all Jiffy locations are continuously monitored on performance and 'Non-Conformities' of the system that is put in place as well as the products being produced. Quality Control follows up on all NC's, no matter how small, making sure all of them are being dealt with in the right way.

When an error is made, learning from these errors is of utmost importance and top priority for Jiffy. Avoiding the same mistakes in the future, helps us consistently improve the overall quality of all of our products. The rigid QA control system in place at Jiffy, with a focus on preventing errors as well as avoiding repeat of any slipups, greatly contributes to achieving the high quality standard sought after by Jiffy. No matter the geographical location of your business, nor the Jiffy production location the product you ordered came from, Jiffy's QA efforts and our certifications assures you a top quality consistent product each and every time.

Another of Jiffy's quality assurance objectives is to continuously increase product quality through certification. This includes different certifications for the products itself, like 'OMRI listing' for Jiffy pots and organic substrates in North America, 'Vincotte OK Home Compost' for Jiffy's degradable pot range worldwide, 'RHP certification' for substrates, as well as our companywide certification of systems put in place, such as the ISO 9001 Quality Management System, ISO 14001 Environmental Management System and OHSAS 18001 Occupational Health and Safety System certification.

Being a truly global player is what sets Jiffy apart from many others in the horticultural industry, it is what makes Jiffy stand out from the competition, globally delivering a consistent quality product, time and time again.

# Certificates

## Product Certifications

Where possible, Jiffy certifies its product portfolio for organic use, biodegradability, quality, uniformity, etc. The list of products certified might have changed since the printing of this catalogue, therefore it is always good to double check with your account manager whether a certain product is suitable for organic growing, or what certifications are in place currently.

## RHP certified for Horticulture

Jiffy subscribes to the quality mark 'RHP Horticulture' for all its substrates produced. The RHP quality mark is just as dynamic as the professional horticulture itself; continuously moving. To the professional grower, the RHP quality mark for substrates offers a guarantee that each and every batch delivered by Jiffy is the same as the previous one. Uniformity is what RHP is all about, since 'RHP Horticulture' guarantees the quality of the product throughout the manufacturing chain, from the extraction of the raw materials to processing and final delivery to the buyer.

Since the RHP mark for substrate ingredients is non-existing in North America, labeling our North American produced Jiffy-mixes as 'RHP certified', is impossible. Rest assured though that our mixing facilities in North America (USA and Canada), are following the same mandated RHP standards as our RHP certified mix facilities in Europe, guaranteeing top quality uniform mixes to growers all over the globe.

For more information on RHP certification please see; [www.rhp.nl](http://www.rhp.nl)

## OK Home Compost- Vincotte

The term "biodegradable" is used by many, however biodegradation is highly dependent on the environment. Many containers, labelled 'biodegradable' only break down when composted in an industrial composting facility, not in the garden or compost heap in the backyard. The 'OK compost Home' certification from Vincotte, guarantees biodegradation in the garden compost heap and makes Jiffy's concept of 'planting pot and all' a certified claim!

## OMRI listed

The Organic Materials Review Institute or OMRI, provides organic certifiers, growers, manufacturers, and suppliers an independent review of products intended for use in certified organic production, handling and processing, by reviewing products against the organic standards in North America. Acceptable products are OMRI Listed® and appear on the OMRI Products List© or OMRI Canada Products List©. OMRI also provides technical support and training for professionals in the organic industry.

The OMRI Products List© is the most complete directory of products for organic production or processing. The List includes over 3,000 products that are "OMRI Listed®" to U.S. National Organic Program standards.



**ISO 9001**  
**ISO14001**  
**OHSAS18001**



# Preforma®

*The ultimate in flexibility*



*Tailor made*

*Choose media, choose tray*

*Plug in plug*

The **Preforma** plant plug system is one of the most flexible plug systems Jiffy offers the professional grower worldwide. You are in control choosing your favorite tray, you are in control choosing the media, Preforma is ready to go upon delivery, right off the pallet the product arrives on. It cannot get easier than that.

Due to the unique way Preforma is manufactured, the plugs retain an air content up to 30%, securing no compaction of the plugs even under heavy misting conditions. An ideal medium for

propagation, providing an optimal environment for uniform and fast rooting. The binder makes transplanting without transplant shock possible, as the plugs will not fall apart even under lightly rooted conditions. This means you can ship / transplant the plugs earlier, freeing up valuable bench space and rotate crops faster.

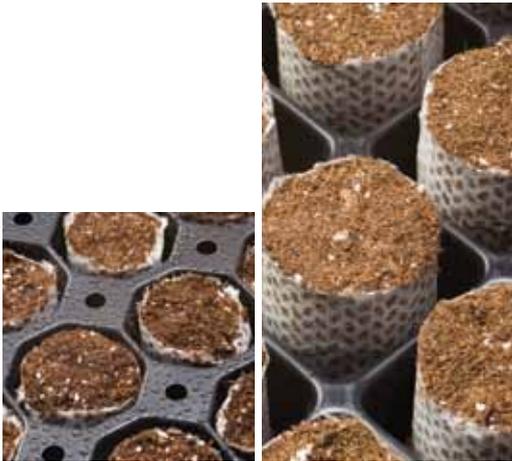
Preforma has a proven track record for many different crops, be it horticultural, nursery, veggie or forestry applications, seed or cuttings, these plugs are saving you time and money each and

every time. Produced on 4 locations, making it a system that is available worldwide, the Preforma 'box plug', loose Preforma plugs packed in a box instead of a tray, makes for an attractive logistic solution when long distance shipping is needed.

High quality substrates, held together by a binder, especially well-suited for that hard to root cutting material, expensive seed varieties or demanding mechanized handling systems, that's what Preforma is all about.

## Jiffy® Plug

*Consistent quality*



*Cost effective  
alternative*

*Customized  
plug and tray  
sizes*

*Pre-filled trays  
made to order*

The **Jiffy Plug**, also known on the market as 'paper plug', is a cost effective rooting media containing a high quality substrate in a paper sleeve. The Jiffy Plug is available in many different plug sizes and tray configurations and is manufactured using high quality RHP certified 'paper-plug' mix.

Suitable for the propagation of many different crops, ordering Jiffy Plugs from Jiffy, saves the customer on equipment expenses, at the same time guaranteeing each and every batch of

ordered plugs is of a consistent quality.

Jiffy Plugs are a cost effective alternative, arriving pre-filled in trays through regional production and distribution. Customized plugs and trays are available. Talk to your Account Manager for Jiffy Plug options available in your area.



Jiffypot®

*Where roots are  
at home*



*Environmentally  
friendly  
alternative*

*Healthier  
roots,  
healthier crop*

*Save  
labor costs*

The **Jiffypot** first appeared on the market in the mid 1950's and has over the years, grown into an ever increasing array of pots, strips (pots joint together as a strip) and poly-packs (pots pre-packed in a poly sleeve for easy handling). Today the Jiffypot is used for many different applications by many different growers worldwide.

Nurseries like Jiffypots because of the labor saving the pots can offer at the time of transplanting them into 1 or 2 gallon pots.

Landscapers like them because of the labor saving of planting pot and all into the ground, no need to pull off the pot, no need to clean pots once the site is planted. Greenhouse applications for rooting cuttings or seed, than potting up into larger containers planting the young plant with pot and all into the next container. Fast and easy.

The Jiffypot has also found its way in to greenhouse growers, growing herbs, hydroponic lettuce, orchids and other pot

plants. It is hard to find a crop the Jiffypot is not suited for.

As an environmentally friendly alternative to any plastic container, Jiffypots are 100% compostable and approved for organic production. They are well suited for mechanical handling.

Best of all, Jiffypot is certified 'home compostable', no chemicals are used during the production of the pots, making it the obvious choice for use in combination with any food crop.

Jiffypot® R2

Degradable Durability

*Degradable  
Durability™*



*Handles  
like a plastic pot*

*No transplant  
shock, healthier  
plants*

*Home  
compostable  
product*

The **Jiffypot R2** is specifically designed for uses where the pot is expected to stand up for an extended period of time. Think of different retail situations, aggressive rooting nursery crops that are overwintered in a cold frame, hydroponic crops, such as herbs and lettuce, where the end product is sold as a living plant with the pot in a sleeve.

Jiffypot R2 has kept most of the original 'Jiffypot' characteristics, using peat and wood pulp as main ingredients, keeping its

'home compostable' promise intact. It is the addition of an extra characteristic that makes sure the pot stays dry, even when exposed to water or a humid substrate. The pot will keep its rigid shape longer, is sturdier, as well as keeps a clean look and touch.

The R2 pot staying dry under production, will persist for a period of time long enough to maintain its rigidity and clean surface to produce herbs, bedding plants or any other plant to be sold at retail in a 100% biodegrad-

able container. Total period the R-2 pot keeps its shape depends on ambient humidity, irrigation, substrate and temperature crops are grown.

Jiffypot R2 is available in more than 30 different sizes and designs, is 100% degradable and nontoxic, providing growers with an economical alternative to plastic and other bio-like containers. The pot can be used in automatic dispensing equipment, as well as being automatically spaced due to keeping its rigidity.



# Speedypot

*Biodegradable retail solutions*



*Strong*

*Super healthy roots*

*Customized labels*

The Jiffy **Speedypot** is a Jiffypot sporting a colorful 'shrink-wrap jacket', making it an attractive looking container well suited for any retail situation where attention needs captured.

What sets the Speedypot apart from other biodegradable pots in the industry is that while it has all the advantages of a plastic pot; clean, strong, colorful, custom printable, and mechanically easy to handle in automation systems, once the 'shrink-wrap is removed and recycled by the end user,

the Speedypot turns into a regular home compostable Jiffypot, ready to be planted directly into the garden or plant container.

Jiffy Speedypot is also available in a version where the shrink-wrap is made of PLA, translating into a zero waste and a 100% biodegradable container. No disposal of pots, the shrink wrap can be placed in the curbside composting bin.

No chemicals, just peat and wood pulp makes the Speedypot the number one choice for edible

crops or colorful bedding plants. The super healthy, non-spiraling roots the pot guarantees, makes for fast establishment and long lasting plants in any flowerbed.

Design your own label as a 'container and label in one' and save cost of the extra product tag as well as the labor needed to handle these tags. Jiffy Speedypot, healthier roots, healthier plants, happier customers.

## Bump-up

*Multiple cuttings,  
single move*



*All types  
of bedding  
plants and  
nursery stock*

*Saves time  
and labor*

*Uniform end  
product*

Jiffy **Bump-up** has been specifically designed to bump-up three or more cuttings in one single step, making labor saving of 23-27% possible at the nursery. The block itself, Jiffy's famous 'media and pot in one' concept consists of 100% coir, comes dry and compressed, saving on logistics and storage cost.

The blocks are expanded through watering them up, each forming a perfect 'pot with media' well suited for transplanting softwood cuttings, later to be

bumped up to a larger size container.

Saving time and money is what bump-up is about, helping to reduce costs to the professional nursery propagator. Grow your individual softwood cuttings a bit bigger in the Growblock, than bump three or more cuttings up to the final larger size container. Jiffy Bump-up guarantees a fast and even growth of the cuttings in the finishing container, resulting in a more uniform product.

Not only the nursery business

can save labor using Jiffy Bump-up as the Bump-up plug also is a perfect solution for the bedding plant grower, plant three or more cuttings in a 'Bump-Up' making it easy to transplant multiple plants in one single move in the flowerbed, in final container, patio containers or hanging baskets.



*Stick with the best*



*Horticultural grade*

*Forestry-grade*

*Best for cuttings and seedlings*

As the range of **Jiffy pellets** increased, 'Horticultural pellets', 'Forestry pellets', Jiffy 7C and other terms were coined to designate additional pellets to the family. Terms like Horticultural and Forestry had not only to do with the available size but also with pH, low or high.

Today it is possible to deliver 'Forestry' pellets in Horticultural sizes and vice versa, extending our line of available pellets greatly. There is also a choice in media; 100% peat, peat/coir or 100%

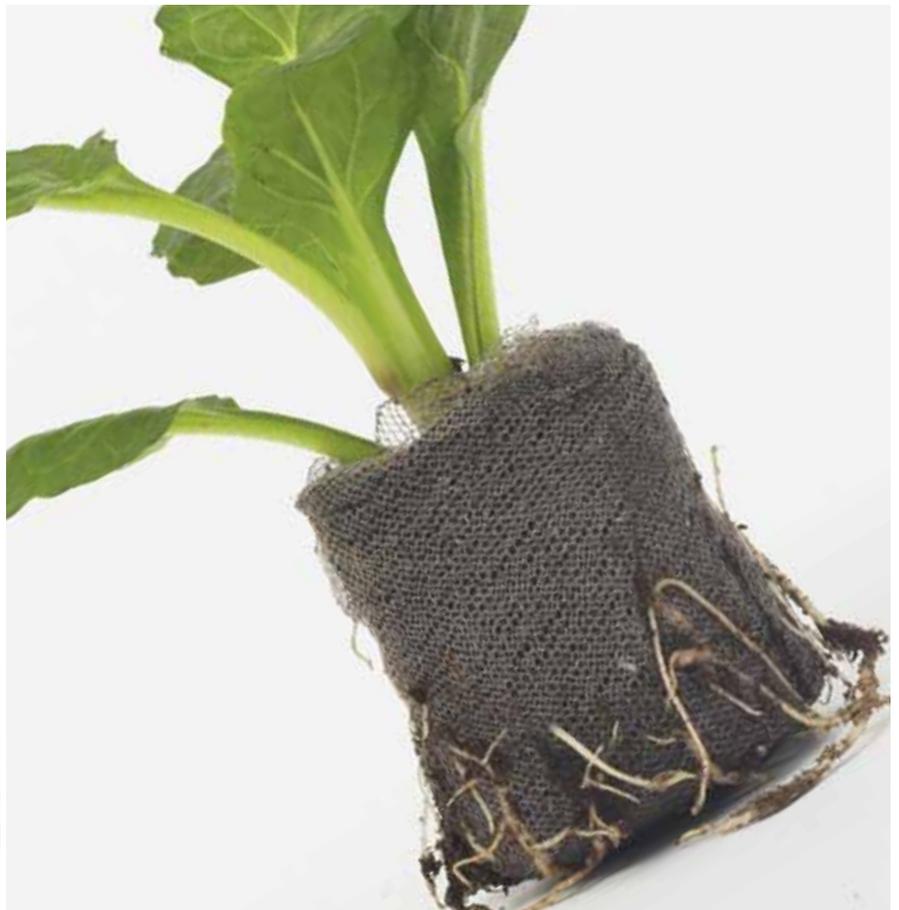
coir. Here is how it works;

In essence all Jiffy-pellet systems can be delivered as a 'low pH' or a 'high pH' pellet, the difference being the media containing lime or not. Be aware, the standard line of 'Horticultural' pellets contain lime, as the standard line of 'Forestry pellets' do not. To order Forestry pellets in a 'Horticultural grade' (adding lime to the pellet), or ordering Horticultural pellets in a 'Forestry grade' (removing lime from the pellet), a special order needs to be created often

with a minimum required amount of pellets to make such a change. The same choice of high/low pH is possible with the Jiffy Coir pellets, again a minimum amount of pellets to be ordered to make such a change from 'standard available pellets'.

# Jiffy-7®

## A smart start



*The original  
'container and  
media in one'  
concept*

*Available  
in many  
standard size  
trays, strips and  
poly-rolls*

*Clean and  
cost effective*

**Jiffy-7** based on the 'open wall container and media in one' principle, these pellet systems are versatile and available in many different sizes, tray configurations and media choices.

The Jiffy-7 has a long proven track record in the horticultural industry and started out as a 'one size fits all' 40x 40mm peat pellet for propagation of seed and cuttings. It quickly became a favorite for many propagators. Before long, the 40 mm pellet was followed by the 'mini pellet', a 30mm

version of the original Jiffy-7.

Today Jiffy-7 is available in a large range of sizes and configurations, used for an ever increasing variety of crops. The Jiffy-7 pellet system is a favorite choice for propagation, as it is a clean and cost effective system, well suited to be used for almost any crop in combination with any existing automation system.

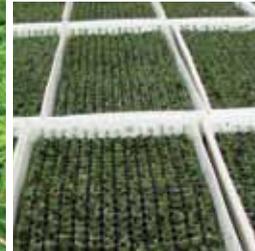
The product is available pre-loaded in many European and North American tray standards, as poly-roll (pellets pre spaced

on a roll of poly to quickly set up a propagation bench) or as bulk pellets to be loaded in standard industry trays.

Jiffy pellets containing peat and coir, or 100% coir, are made using RHP certified coco material, providing for a superior aerated rooting media. Jiffy's quality control guarantees that the physical and chemical properties of the coco substrate are just right to provide for an optimal rooting environment.



*Natural roots*



*Specially designed for forestry*

*Healthy root development*

*Planted everywhere successfully*

**Jiffy-7 Forestry** pellets are extremely well suited for the propagation of many tree species, it is often a taller pellet without lime added to the media, resulting in a lower pH. The 'open wall' concept of the Jiffy-7 pellet is especially important to tree growing, securing 'root-pruning' of the roots that grow through this 'open wall'. Root pruning in its turn results in fast field establishment and a natural root system growing no different than nature's own, securing for

well anchored trees. With the Jiffy-7 Forestry system you will be able to grow a better tree, as the difference in root system guarantees stable and high quality forests, regardless of soil condition. Hundreds of millions of trees around the globe have been started in a Jiffy!

**Jiffy-7C<sup>®</sup>**

*Optimum  
air-water ratio*



*Container and  
Media in one*

*Bulk or  
pre-loaded  
in trays*

*100% washed  
and buffered coir*

The **Jiffy-7C** pellets are manufactured at our Jiffy Sri-Lanka location, using the by-product of the coconut industry established in this island nation. The 100% RHP coco pellets are well suited for rooting plant material that like a well aerated plug as Jiffy-7C provides a superior aerated rooting media. The Jiffy-7C is like all Jiffy 7 pellets build on the principle of container and media in one, comes in the form of a compressed dry disk in a partly degradable netting. This means

Jiffy-7C will get you the same logistical and storage advantages as with all other Jiffy pellet systems. Our stringent quality control guarantees the physical and chemical properties of the coco substrate used are just right to provide for an optimum rooting environment.

Jiffy-7C is used by many professional greenhouse growers, Nursery men, foresters and others involved in growing and has become a favorite choice for the modern plant propagator. The

100% coir pellets are available in many different sizes and tray configurations and should be the preferred option when looking for a rooting media to be used under highly stressing conditions, or as an alternative when searching for a 100% guaranteed functioning peat free plant propagation solution.



PreGro

*Small investment,  
increased yield*



*Increased  
success rate in  
germination*

*Stronger,  
larger plants in  
the field*

*Sustainable  
food production*

**PreGro** is not a product, but a concept, the first important stage of any crop.

In essence, seeds are the smallest and the most crucial stage in the entire food production chain. Success rates in germination of a food crop can make or break a grower's return on investment (ROI). If seed germination fails, all efforts made lead to nothing, no income for the farmer and no food for the population. Securing successful germination of seeds is the first important PreGro step.

A second step, transplanting into bigger media blocks will result in stronger plants for field planting, or take the third step, 'Growblock' to 'Growbag' and take total control of your crop.

The three step approach PreGro is built on, combining different proven Jiffy products is the strong part of the concept. Outlined steps can be taken independently from each other thus making PreGro an attractive alternative for small scale farmers as well as high tech farmers alike. Implement one

step at the time, or implement all steps at once. For growers on a tight budget, PreGro offers the possibility of increasing their yield at affordable incremental steps, the extra earnings can be invested in taking the following steps, the end result being to become independent of the unavoidable problems associated with growing in the open field. By taking the PreGro steps, even over a number of years, sustainable food production can be brought to the next level by everyone.

Carefree®

*Rapid expansion  
all the way*



*Automation  
ready system*

*Produced  
with the  
highest quality  
ingredients*

*Improved  
root system*

The **Carefree** pellet is a closely related family member of the Jiffy-7 and is manufactured from high quality substrates with amendments making this pellet suitable for many crop applications.

The Carefree plug offers many other innovative features to the customer, such as super-fast expansion, improved drainage, fast and excellent root development and problem free transplanting. With no open plug bottom, unlike paper pots with mix, Carefree is

fully contained in a polymeric netting, thus helping in keeping the greenhouse environment clean, saving time and money cleaning up.

Carefree's super-fast expansion makes the product well suited to work in coordination with the Jiffy 'Expandomatic' system. Especially for this, the pellets are available preloaded in special automation friendly carrier trays, an innovative system for the propagator. Expand the pellets with these trays, space in the green-

house while rooting and clip the strips back on the carrier tray for shipping.

Carefree can be used for many different applications and just as the Jiffy-7 system it comes compressed and dry, saving on transportation and storage cost. Just think about this; Where there is room for 300.000 paper plugs in a truck, there can be up to 4 million Carefree fitted in the same space. Now we are talking logistics! As an alternative for any paper plug, Carefree makes sense.



Growblock®

*Endless possibilities*



*Perfect in combination with Jiffy Growbags*

*Fast resaturation*

*Stabilized coir substrate*

Jiffy **Growblocks** are manufactured from 100% RHP certified coco substrate derived from pithy tissues of the coconut husk at our own Jiffy production sites in Sri Lanka. Jiffy Growblocks offers you a renewable, environmentally friendly substrate with zero disposal issues.

Jiffy Growblock is the only right choice for use in hydroponic systems, securing the highest yield no matter if you grow tomatoes, cucumbers, bell peppers or any other crop.

To complete your hydroponic growing system, Jiffy Growblocks are a perfect match to the Jiffy Growbag, forming a total system of high quality stabilized substrate and favorable air water ratio for the crop.

Available with a fully degradable netting, Jiffy Growblocks are also highly suitable to be used as media for a wide range of bedding plants, perennials or any type of softwood / hardwood nursery application. Use these high quality grow blocks as a replacement

of pots, as Jiffy Growblocks are 'media and container in one', just like its cousin the Jiffy-7. Grow quality plants and save labor due to no dealing with pots. For landscapers and gardeners, planting Growblocks saves time and labor each and every time.

# Growbag

## Multipurpose growing system



*Different sizes available*

*Pre-cut plant and drainage holes optional*

*Rapid expansion*

Jiffy **Growbag**, made of 100% coco substrate at our own RHP production site, comes to you in the form as a dry plate enclosed in a plastic sleeve. After rapid expansion with a water and fertilizer solution these high quality buffered Jiffy Growbags are ready for use. Jiffy Growbags can be used for a broad range of crops as the product can be delivered in different standard sizes, with or without pre-cut planting and drainage holes. Three kinds of Jiffy Growbags are

available, for every purpose the right mixture:

- **100% Husk Chips** for the grower who likes to manage the crops tightly
- **5050-mix**, the homogenous composition of husk chips and coir pith, our most common type
- **High Yield**, the growbag most suited for the winter crops.

The Jiffy growbags perform best with a Jiffy Growblock on top, but also do well with any other young plant. Transplanting your plant onto a Jiffy Growbag

is a feast: its unbeatable rooting characteristics will guarantee a healthy start! And disposal after usage is no issue at all. Jiffy Growbags can be reused for another crop, renewed (retail) growing media or as soil improver.



Jiffy CD®

*Quick, consistent,  
convenient*



*Specially  
designed for  
the cultivation  
of Gerbera*

*No bulky  
substrate  
necessary*

*Optimum  
air/water ratio*

The **Jiffy CD**, or Coco Disk, has been specially designed for the cultivation of Gerbera, providing maximum structure stability and an optimal water/air ratio. The washed and buffered media guarantees against high Na and K values, avoids excessive conductivity, at the same time having Ca and Mg readily available through the fertilizer added to the media. Jiffy CD contains 100% Coconut Husk Chips, and environmentally friendly and sustainable material. Just drop a

CD into the plant container and add water, it cannot be made any easier. Custom sizes available for other applications such as CD's suitable for Orchids.

## Jiffy Rosa-line

*With the rose grower in mind*



*Longer and stronger roots*

*Faster rooting*

*User friendly system*

The **Jiffy Rosa-line** is developed with the assistance of rose growers in the Netherlands for the rose grower worldwide. It consists of a special rooting pellet, block and growbag and is a sustainable growing system made of 100% RHP certified coir substrate which has proven not only to promote faster rooting of rose cuttings, it also promotes longer and stronger roots once the cuttings are transplanted, resulting in a better plant and better harvest. Rose propagators

and growers will be secured of a pest and disease free media when using this system as the Rosa-line from Jiffy offers an environmentally friendly measure for controlling and eradicating parasitic nematodes.

On top of this, Jiffy Rosa-line assures the grower the most efficient water usage possible during the entire growing system. That's being sustainable from start to finish.



vitroplug™

*One step ahead*



*Distributed worldwide right from the growing chamber*

*More reliable due to easier and faster hardening off process*

*Stable media resulting into a higher success rate and quality*

The **Vitro-Plug™** system is an innovative method to cultivate and process all conceivable seed- and tissue cultures. Because of the stable media of the Vitro-Plug™ system, a higher success rate is guaranteed. The system is also much more reliable when compared to other systems, due to the easier and faster hardening off process.

The Vitro-Plug™ is available in 2 different plug sizes and all depending on tray or pot size the product will be planted in, Vitro-

Plug™ 126 or Vitro-Plug™ 48 can be chosen. The Vitro-Plug™ is a unique and patented system, developed as a 'co-creation' project between three companies; Vitro-Plus, Visser International and Jiffy. The patented system of grafting technique for ferns and comparable crops can only be used under license by Vitro Plus.



## Jiffy Substrates

are 'Powered by Tref' substrates, which means a long history of knowledge and experience is used to guarantee the delivery of the highest quality mixes. Jiffy Substrates are produced in different locations around the world: Netherlands, Estonia, Sweden and United States of America. Jiffy has taken control over the entire production process from harvesting from its own peat bogs and coco production in Sri Lanka, all the way through delivery of finished product to the customers. This involvement at every stage guarantees top quality uniform substrates at all times.

Jiffy invests in new or expanded substrates production locations (recently in USA and Estonia) to build in the best ways to treat raw materials to make components from.

By doing that physical characteristics of mixes can be pre-defined and produced in line with them.

Jiffy has production locations close to the origin of the raw material (Estonia, Sweden) or at the crossroad of transport (Netherlands and USA). From a Dutch location grower can be supplied with customer specific tailored mixes containing components like bark, perlite, clay, vermiculite, sand, volcanic origin



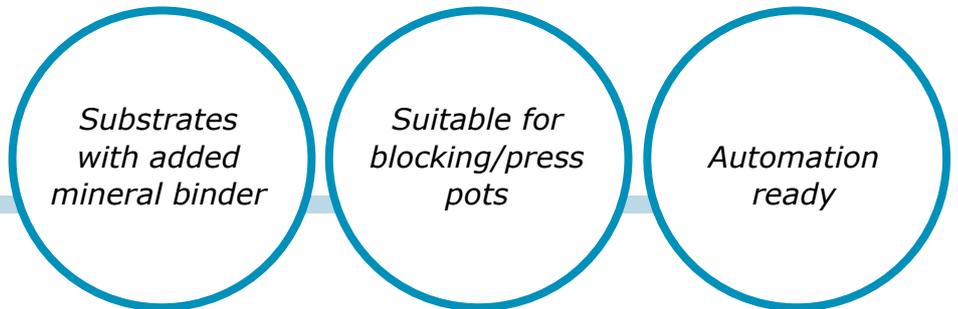
material, coco products and peat from blocks or milled peat white and black originating from many different peat bogs.

To supply plants best balance of nutrients Jiffy has an own range of base fertilizers (TBF) where not only main elements but also trace elements are optimized for moderate dosages. To get substrates in a uniform humidity to the customer the product weight (kg/m<sup>3</sup>-EN) is defined and produced in accordance. All kind of specialties are created for propagation and young plant production.





*Fill it, FORMiT,  
Root iT*



**FORMiT** is a product line of Jiffy substrates specially developed for today's modern and highly automated growers in need of a plug substrate able to withstand the rigors of automated handling / transplanting of smaller sized plugs. Jiffy's FORMiT substrate blends contains special mineral binder providing a binding effect to substrate, keeping the plug together when run through automated transplanters or field planting equipment.

Special tray-filling equipment

may be needed to get the optimal binding effect of the mineral binder, especially when used in combination with larger plugs. Smaller plug sizes are the ideal scenario for the different FORMiT mixes available. Jiffy's FORMiT mixes are an ideal solution for veggie growers who produce young plants in a smaller plug, making use of automatic planting equipment. Due to the stability of the plug, no transplanting shock, and a more economical use of the planting equipment, translates

into less misses in the field, less labor re-planting missed spots and ultimately in a higher yield.

Go



*For every crop a substrate*



*Proven substrates*

*Bio substrates with organic fertilizer available*

*Consistent quality*

With Jiffy's **Go** mixes, you take advantage of our long time expertise of crop specific fine-tuned mixes that have a proven track record, as all substrates of Jiffy brought to market under the Go brand have been developed collecting data and fine-tuning the performance of these mixes at many different growing locations, researching the performance of each substrate per specific crop through our cultural crop and product knowledge.

Go mixes are standard mixes,

ready to go, often in stock and standard delivered in 70 liter bags.

Jiffy can deliver mix from our Go range also in big bales, super and big bags or loose but in that case only on special order if so required.

By using mixes from our Go range for vegetables, nursery, perennial or other greenhouse crop, you can rest assured that, no matter the application, you have a high quality substrate, that was developed on the cul-

tural crop and product knowledge of many in the industry.



## Tailor made substrates



**Smart** is a wide range of customer specific substrates, offered besides our standard available substrates. Jiffy's substrate plant based in the Netherlands for example, is able to produce many unique customer specific mixes, having a wide range of components available such as many different white peat fractions from blocks, a variety of coir based components, Irish white peat, Baltic peat, Swedish peat, mineral and other organic components enabling the

blending of many unique mixes. Customer specific mixes with the right air-water porosity or mixes keeping its structure even under the stringiest cultivation environment can be 'engineered'.

The availability of these many ingredients also enables Jiffy to blend many customer specific high quality propagation mixes, designed for specific cutting or seedling propagation programs.

All customer specific Jiffy Smart mixes are RHP certified, are of a consistent quality batch

after batch and are based on years of cultural crop and technical knowledge, guaranteeing our customers the best possible in tailor made mixes.

Jiffy-Mix®



Powered by

*A trusted name  
in substrates*



*Logistic  
advantages*

*Many years  
of experience*

*Constant  
quality*

In North America, **Jiffy-Mix** and Jiffy-Mix Plus have long been a trusted substrate brand used by many growers. Jiffy-Mix for seed germination and unrooted cuttings, Jiffy-Mix Plus, ideal for transplanting of rooted cuttings or veggies. Today's Jiffy Mix is 'Powered by Tref', which in essence means over a 100 years of soilless mix expertise in every bag. Jiffy's mix expertise, worldwide quality control and procurement system in place, results in the creation of high quality per-

formance 'Jiffy-Mix' mixes made available on the North American market. By using the world's highest quality substrates, such as RHP certified coir, blends of block cut European peat as well as longer fibered grades of Canadian peat, Jiffy-Mix is providing growers crop performance improvements over common mixes. Using higher porosity substrates allows the air and water percentage, as well as overall porosity to match up the soil to crop needs. Here is where the 'powered by

Tref' magic starts to kick in, delivering a mix product with finely 'tuned' fiber lengths, water holding capacity, physical structure and nutrient charge to the crop. The 'powered by Tref' custom tuning results in improved crop timing, uniformity and quality.



*Straight from the source*



**TPS** (Jiffy's Peat Substrate) substrates are delivered right from our state of the art mixing facility in Estonia and used for many crop applications. The mixes include Base Fertilizer (TBF) providing the nutrients N, P, K in different element balances as well as trace elements for healthy plant growth.

Our new facility in Estonia makes it possible to deliver TPS substrates with the right air and water content, from factory straight to the customer. Jiffy

specializes in fine to medium coarse structured mixes, containing fractions of white and black peat, block peat and coir pith.

Jiffy's substrate plant in Estonia also specializes in producing the new FORM/T media.

JP<sup>3</sup>F is the additive which binds the substrate components and is now available directly from Estonia.

FORM/T mixes contain a mineral binder providing stickiness to the plug media, bonding the media

making it perfectly suitable for use in many highly automated environments.

Blocking media are also available right from our location in Estonia.

Jiffy delivers in relation to the specific substrate weight these mixes packed in Big bales, 300 liter, 225 liter pressed bales or 70 liter bags.

## Soft Fruit



Powered by Tref

### *Increasing yield and fruit quality*



*Proven  
substrates*

*For cultivation  
of soft fruit*

*Tailor made  
possible*

As the **Soft Fruit** culture is increasing, growers demand the best substrate to produce the best quality fruit. For today's demanding soft fruit growers, Jiffy has developed a special range of Soft Fruit substrates, encouraging rapid rooting, uniform growth and plant development for all types of soft fruit.

The composition of Jiffy Soft Fruit substrates is based on criteria such as, rooting speed, drainage properties, water and air content, cultivation method, fertilization

method and pH desired.

All Jiffy Soft Fruit mixes are RHP certified and have a proven track record for Strawberry and many other soft fruit cultures grown around the world. As an extra benefit, Jiffy Soft Fruit can be tailored to your specifications, making it the only choice for all soft fruit growers who take pride in producing top quality fruit. Make using the right mix, specially created for soft fruit, the first logical step to top quality.



## Giving life to city trees



*Landscaping range contains 5 types of substrates*

*Comply with the requirements for landscaping in build-up areas*

*Substrates comply with legal chemical norms and regulations*

**Landscaping** helps secure a green living environment, which is ever more important for the wellbeing of the population of today's cities and suburbs around the globe. Green is an important theme for Jiffy, firm believers that public green deserves the best, Jiffy has developed special substrates for landscapers working in built-up urban areas.

Planting trees in a built-up environment requires a different and careful approach. Anyone

can plant a tree, but for the tree to thrive and feel at home on the new spot, knowledge of soils is important. Especially knowledge of the soil profile the new tree is to be planted in, is of utmost importance. Through the application of the right soil substrate we can make sure the tree will adapt to its new permanent location in the urban landscape and thrive for many years to come.

Jiffy's Landscaping substrates aim at offering the correctly blended soil substrates to obtain

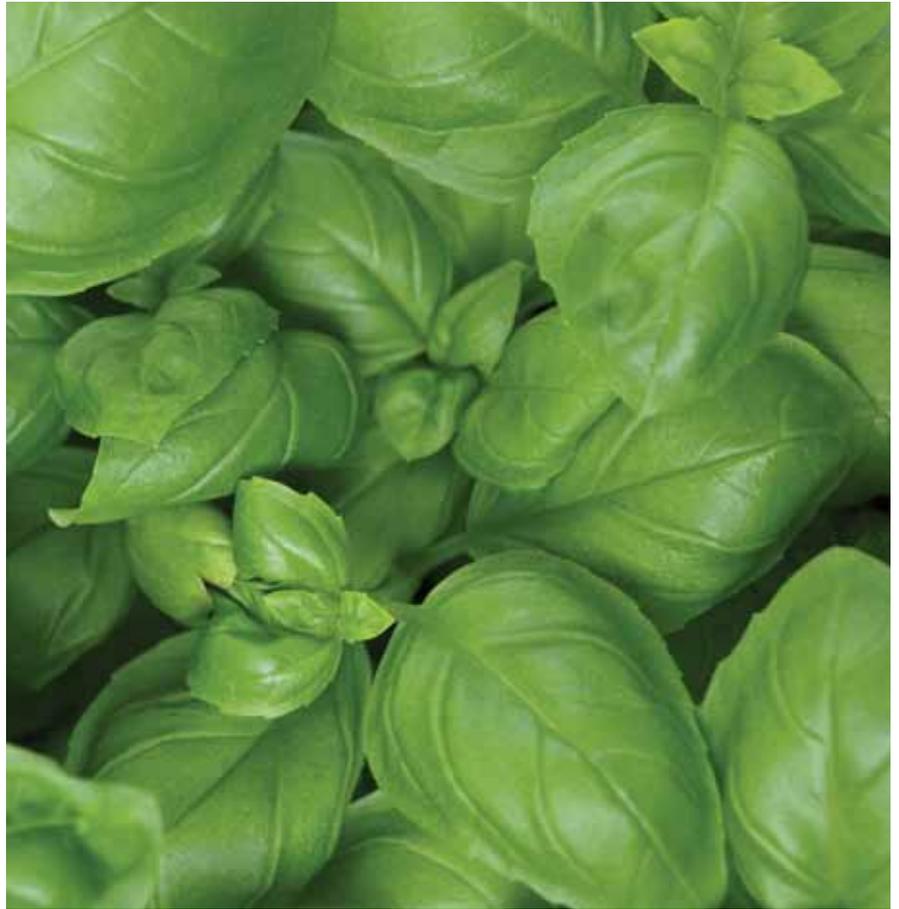
this optimum rooting profile as all Landscape substrates from Jiffy fulfill the requirements for landscaping in build-up areas.

Five different Landscape mixes are available, all comply with local norms and regulations. All of Jiffy's Landscaping substrates are free from viable weed seeds. Using Jiffy Landscape mixes will ensure the landscaper, all planted material will thrive for many years to come and make any bush or tree feel at home in any urban environment.

BIO



## *The BIO- 'logical' way of growing*



*No more  
black gnat  
related  
problems*

*Years  
of experience*

*Secures  
the availability  
of nutrition  
for short term  
organic crops*

Jiffy **BIO** mixes deliver healthy, chemical free nutrition to the plants and therefore are considered sound growing systems that take the environment in consideration. With 'Organic' more and more in demand globally, Jiffy has been following the latest trends closely and has been heavily investing in the development of organic BIO substrates to be utilized by the growing number of organic certified growers worldwide. Especially now that Jiffy has embarked on a route where

more and more focus will be placed on food crops, getting the nutrient to the crop at the right time has proven to be crucial as some of these crops, herbs for example, are grown in a very short period of time. You can rest assured that when your short grown crops need Nitrogen, Jiffy BIO delivers, as the Jiffy BIO organic substrates are engineered to supply the needed Nitrogen exactly at the time it is needed by the crop. Another great feature of Jiffy BIO mixes is that by

eliminating animal fertilizers, a feeding source for black gnats, growers can eliminate their black gnat related problems simply by using these mixes, as Jiffy BIO makes use of organic fertilizers.



*Professional  
gardening*



*For every  
crop a suitable  
substrate*

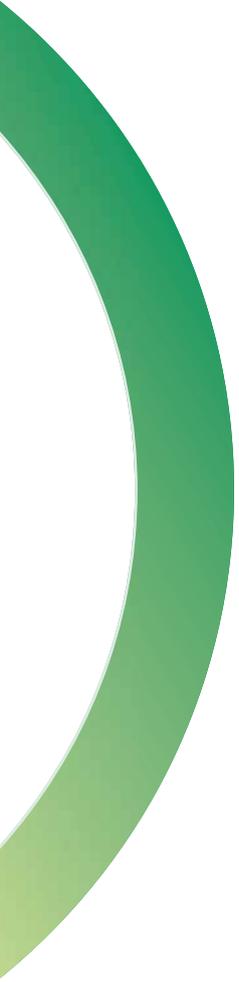
*Fertilizer  
and trace  
elements  
added*

*Different  
packaging sizes  
available*

**Florafleur** is a Jiffy mix especially designed for the hobby gardener, making gardening with a professional touch and guaranteed success possible for every avid gardening enthusiast. The Florafleur substrates are of high quality and are even being used by the professional grower. Substrates for different applications are available such as potting soil for house- and garden plants, balcony and terrace plants as well as a special mix for Heather, Rhododendron and Azalea. Florafleur

mixes are enriched with special fertilizer and trace elements, providing nutrients for about six weeks to the vegetation after planting. Florafleur is the only right mix for all who love to garden with 'a professional touch'.

Jiffy's Florafleur series of mixes is available in different attractive and colorful packaging sizes.



[www.jiffygroup.com](http://www.jiffygroup.com)