



*This is not
just a
product
catalogue,
it's a growth
catalogue*

Hortus Supplies International

Welcome to Hortus, your ultimate source for all your horticultural needs! With years of experience and gained knowledge, we pride ourselves on providing the best possible products and solutions to help you succeed.

At Hortus, we empathize with our customers, who have a lot to manage, which is why our aim is to ease your load entirely. Established in 2005 by three partners who brought together their expertise in cultivation and supply, we are committed to enhancing the industry and empowering our customers to achieve thriving yields and profits.

As a comprehensive supplier to growers, we offer an extensive range of products to grow your plants, flowers, vegetables, and fruits. But that's not all - we go the extra mile to work with you and tailor our products and ideas to suit your specific needs. We are always seeking innovative, sustainable products for your cultivation.

With a team of 30 dedicated professionals, we have made a name for ourselves in over 25 countries by offering personalized advice and customized solutions.

Let us help you achieve your horticultural goals - contact us today!



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Fertilizers

Fertilizers contain essential nutrients for your plants to grow and produce fruits, vegetables and flowers. We stock a complete range of our own branded fertilizers and well-known brands, to meet every challenge and requirement. Nano Fertilizers, Natural Fertilizers, Water soluble and Coated Fertilizers. We support you with the right fertilization schedule for optimal crop growth and maximum yield!

Water soluble fertilizers

We offer a wide range of water-soluble fertilizers that are an excellent choice for growers looking for quick and efficient nutrient uptake for their plants.

Our water-soluble fertilizers are made up of easily absorbed soluble nutrients such as nitrogen, phosphorus, and potassium, and are available in various forms including powders, crystals, and liquid concentrates. They are perfect for hydroponic growing systems or in situations where plants require immediate nutrient uptake. To apply our water-soluble fertilizers, simply dissolve the fertilizer in water and apply the solution directly to the soil or plant leaves using a watering can, sprayer, or drip irrigation system. The amount and frequency of application will depend on several factors, including plant type, growth stage, and environmental conditions.

The benefits of using water-soluble fertilizers are numerous. They allow for precise control of the amount and type of nutrients that plants receive, which can prevent over-fertilization and reduce nutrient runoff. At Hortus you will find the right fertilizer for your growing needs!



- Calcium Nitrate
- Ammonium Free Calcium Nitrate
- Calcium Nitrate Liquid
- Potassium Nitrate
- Magnesium Nitrate
- UREA

- Mono Ammonium Phosphahete (MAP)
- Mono Potassium Phosphate (MKP)
- Magnesium Sulphate
- Ammonium Sulphate
- Potassium Sulphate
- Nitric Acid
- Phosphoric Acid



Hortus VITALITAS Program

Essential products for natural crop resilience and growth

To empower growers with effective and sustainable tools, we proudly present the Hortus Vitalitas Program – a premium selection of crop vitality products developed as Natural Crop Care and Natural Crop Solutions. Designed for both preventive and curative use, this program strengthens your crop's ability to resist stress, enhances nutrient uptake, and supports strong, balanced plant growth.

The Vitalitas Program includes:

Supramino – Fast-acting, energy-rich amino acid complex

Biocarb – Unique bicarbonate-based solution for pH control and leaf surface conditioning

Solucion – Potassium-phosphite-based nutrient and plant health booster

Flower Sea Boost – Seaweed-based vitality and anti-stress enhancer

Additional products are available as part of the broader Vitalitas program. For tailored advice and the complete range, please consult the Hortus team or visit our website. Together, these products form a powerful toolbox for growers who aim to reduce use of conventional chemistry, while maximizing plant health and yield.



Core Products of the Vitalitas Program

Supramino - Organic Power for plant metabolism

Supramino is a natural amino acid formulation containing 18% free, readily available aminos. It enhances plant metabolism and supports rapid recovery from stress. Supramino improves nutrient efficiency, stimulates root and shoot development, and increases plant resilience against abiotic stress factors such as drought and temperature fluctuations.

BioCarb - Natural Energy booster

Biocarb is a plant-based carbohydrate solution that provides crops with an immediate source of energy. It supports microbial activity in the soil, enhances nutrient absorption, and promotes overall plant vigor. Biocarb is especially beneficial during periods of high energy demand, such as flowering and fruit set.

Solucion - Natural Strengthener for healthier growth

Solucion is a natural plant strengthener containing Cu and Si, chelated with polysaccharides for prolonged effectiveness and low dosages. Cu boosts chlorophyll production, promoting fruit and flower development, while Si strengthens leaf cells, enhancing resistance to pests.

Flower Sea Boost- Seaweed Vitality for Enhanced Growth

Flower Sea Boost is a premium seaweed extract (35% Ascophyllum nodosum) rich in natural growth hormones, trace elements, and bioactive compounds. The nutrients are dissolved in seaweed extract, known for its anti-stress and growth-stimulating characteristics. Additionally, the seaweed extract optimally chelates the trace elements, enhancing their absorption. This allows plants to use nutrients even more efficiently, contributing to their growth and health.

Why Choose the Hortus Vitalitas Program?

Support Plants Naturally

Boost natural resilience and reduce dependency on harsh chemical interventions.

Stress Reduction & Recovery

Help crops recover faster from abiotic or biotic stress events.

Synergy & Compatibility

All products can be integrated with both biological and chemical crop programs* for maximum flexibility.

Higher Efficiency, Lower Input

Healthier crops require fewer inputs – meaning reduced pressure from pests and lower need for pesticides.

**We recommend testing compatibility on a small scale before large-scale application.*





Iron chelated trace elements

Chelated trace elements are more effective because the chelating molecules protect trace elements. This improves solubility, increases stability, enhance uptaking from the plants and reduce toxicity.

Benefits of chelated trace elements

Improved solubility:

Chelated trace elements are more soluble in water and other solutions than their inorganic forms. This means that they can be more easily absorbed by plants, leading to better utilization and efficiency.

Increased stability:

Chelated trace elements are more stable and less reactive than their inorganic forms. They are less likely to form insoluble matters or react with other substances in the environment, which can reduce their effectiveness.

Enhanced uptake of nutrients

Chelated trace elements are transported more efficiently in the plants than inorganic trace elements. They can reach their target tissues and cells in the plants more effectively, leading to better results.

Reduced toxicity:

Chelated trace elements are less toxic than their inorganic forms. Because they are less likely to interact with other substances in the environment, leading to fewer harmful effects.

We have our own branded chelated trace elements

- **HORTUS EDDHA (FE) 6%**
Ironchelate EDDHA 6% o.o 4.8
- **HORTUS Fe-DTPA 6%**
Ironchelate DTPA 6%
- **HORTUS Fe-EDTA 13%**
Iron Chelate EDTA 13%
- **HORTUS Mn-EDTA 13%**
Manganese Chelate EDTA 13%
- **HORTUS Zn-EDTA 15%**
Zinc Chelate EDTA 15%
- **HORTUS Cu-EDTA 15%**
Copper Sulphate EDTA 15%

The most common used iron chelate is **DTPA 6% chelate**. There are two main types of iron DTPA in liquid form, 3% and 6%. The 3% is based on sodium and the 6% is based on ammonium. The 6% is the highest quality DTPA that is available in the market and is completely free of sodium and sulphate.

It is recommended to add EDDHA or completely replace your iron chelates with EDDHA (red iron) when the pH value is equal or higher than 6,5.

HORTUS EDDHA is stable till a very high pH. An EDDHA chelate with 6% iron and an ortho-ortho (0-0) of 4.8 means that that the chelate contains 80% stable iron chelate. This doesn't mean the remaining 20% is not available for the plant at all, however, the uptake efficiency will be less.



Disinfectants

Cleaning and disinfection are of great importance for hygienic cultivation. It is the best way to prevent diseases, pests and bacteria, and to protect your crops from an infection. Also for crop and production quality, cleaning and disinfection are a must.



HuwaSan

Huwa-San TR-50 is a unique biodegradable disinfectant that meets the highest EN disinfection standards for bactericides, fungicides and virucides. This powerful and high quality disinfectant is stable and broadly applicable. Huwa-San TR-50 is the original and most advanced silver stabilised hydrogen peroxide. This environmentally sound, active substance is a very strong oxidizer, which post disinfection, degrades to just oxygen and water, leaving no harmful residuals. Huwa-San TR-50 contains 49,9% hydrogen peroxide.



Virba-San

Virba-San is a powerful disinfectant that effectively eliminates bacteria, viruses, yeasts, and fungi, meeting the strictest EN standards. Its potent oxidising properties ensure impeccable hygiene, thus safeguarding your greenhouse's worth. Virba-San is a stable product composed of biodegradable potassium monopersulfate, acids and surfactants. This makes it a sustainable solution that can deliver powerful results, while not compromising biosecurity.

Organic Clean XL

Natural cleaner for greenhouses, cold storage and equipment. Organic Clean XL is ideal for cleaning heavily soiled surfaces. Compared to many other products on the market, this is an environmental friendly and completely biodegradable cleaner. It's very powerful and based on natural plant extracts and vegetable soap. Organic Clean XL has a decreasing effect on yeast, moulds and bacteria. It also prevents adhesion of organic dirt. This product does not cause any toxic side effects on plants, animals or people. Therefore it can be used when the crops are still inside the greenhouse. It's possible to apply Organic Clean XL with the Aquajet (find this on page....) or similar machines.

How to use Organic Clean XL?

Apply Organic Clean XL in a water-diluted solution.

* Store frost free, cool and dark

Glass fronts/decks inside or outside

Use a high-pressure cleaner and dilute Organic Clean XL directly

Dilution: 1 ltr of OC per 200 ltr (0,5%) of water;
about 20 ltr of OC per Ha.

Increase dilution to 1% if there is extreme contamination.

* Does not remove shading agents

** Use warm water for the best result

Screen cloth

To clean and prevent adhesion of algae

Dilution: 1 ltr of OC per 200 ltr (0,5%) water;
about 20 ltr of OC per Ha.

Increase dilution to 1% if there is extreme contamination.

* Important: apply with caution, high pressure sprayguns can damage your screen cloth!

** Use warm water for the best result

Let's sum up the advantages:

1. Environmental friendly and completely biodegradable, based on natural plant extracts and vegetable soap
2. Can be applied when crops are inside the greenhouse
3. Powerful cleaning effect without any toxic side-effects
4. Inflammable
5. Pleasant fresh odour. Food will not be effected and retain own flavour
6. Prevents adhesion of organic dirt and a decreasing effect on yeasts, moulds and bacteria.
7. Does not have to be rinsed, the recommended dosage does leave little to no residue.
8. Not corrosive, does not harm your equipment and systems.





Natural crop protection

Sustainable, safe, and reduce the environmental impact with our natural products. Help your crops flourish the best possible way with one of our products. Available in cans but also in barrels.



Supramino

Supramino is an amino acid-based liquid product from enzymatic hydrolysis for foliar application and drip irrigation. The product also contains fulvic acids and plant extracts. Supramino reduces stress of your crop to create and maintain a top condition of your crop and ensure a higher yield. Enhances the effectiveness of chemical products against harmful insects. Your crop is better protected against insect pests.

Supramino can be applied to all types of crops: Flowers, leaf vegetables, fruit vegetables, strawberries, citrus, olive trees, vines, tropical fruit trees, industrial crops, field crops, etc.

Solucion

Solucion® is a natural plant strengthener based on a special blend of ingredients. The main ingredients Cu and Si are chelated by polysaccharides to ensure a long activity of these ingredients, and makes low dosages possible. Cu is critical for the production of Chlorophyll content. Which increases the development of fruit and flowers. The ingredient Si in Solucion® increases the thickness of the leaf cells which makes them more resistance against threads.



Rodimus

Rodimus, manufactured by Eco Protecta, is a natural product that improves crop resistance by working systematically. It effectively washes off threads and dirt from the leaves, while leaving a film that prevents them from reattaching. Additionally, Rodimus supplies crops with necessary vitamins, leading to stronger and healthier growth. This product enhances light uptake by washing the leaves, promoting overall crop health.





Natural Products from Eco Protecta for sustainable horticulture

As a proud partner of Eco Protecta, we distribute their natural and organic products across the globe. For over two decades, Eco Protecta has been dedicated to creating environmental-friendly products. By incorporating Eco Protecta products into your business, you can stay on top of market trends and meet consumer demands for food safety and corporate social responsibility. What's more, Eco Protecta products leave no residue, have no systemic side effects, and don't lead to resistance after repeated use.

AB-Gel/Spray

AB-Gel/Spray is a natural solution for coating and drying wounds caused by *Agrobacterium tumefaciens* in roses, a well-known issue in rose cultivation. This product serves as a natural wound cover that should be applied after removing the agrobacterium tumor from the plant. It takes around 36 hours for the product to penetrate into the plant and initiate the recovery process. In about two weeks, the plant will experience recovery and generate a new bud, which will contribute to its overall recover.



Botri-Spray/Gel

Botri Spray is an innovative organic product used to coat and dry wounds caused by bacterial infections on roses. It is primarily made from vegetable soap, essential oils, and plant extracts. It comes in a convenient sprayer or a gel with a brush applicator.



Crop Care

CropCare consists exclusively of natural ingredients and mostly contains seaweed and plant extracts that stimulate vigorous development of micro-organisms in the root system. The product ensures a growth in the number of hair roots, resulting in optimal absorption of water and nutrients from the soil or slab.

Organic Clean XL

a powerful and completely biodegradable cleaner, derived from natural plant extracts and vegetable soap. It is environmentally friendly and suitable for cleaning both the inside and outside of greenhouses. It's safe to use around people, plants, and animals, including during crop growth. The product prevents organic dirt buildup, which can lead to reduction of yeasts, molds, and bacteria.



Cropclean

Natural cleaner specially developed for fruits and vegetables. This organic antibacterial solution is highly effective in removing harmful bacteria, soil residue, and pesticides. After treatment with CropClean, fruits and vegetables look as if they were freshly harvested. This product is commonly used for cleaning avocados, oranges, melons, peppers, and similar fruits.

eQuirein

A plant supplement with natural hormones, acids, vitamins, and trace elements from seaweed, specific sweet water algae. It contains organic fatty acids to enhance growth, improve resistance to molds, and increase plant health and vitality. eQuirein can be used as a foliar spray on vegetable, flower, house, and ornamental plants.



Dry-Up

A unique product composed of vegetable soaps extracted from coco, soya, and coco glucoside, along with several plant extracts. These ingredients have excellent properties for achieving fast drying and effective as wetting agent during crop protection applications. Dry-Up is non-toxic to crops, as its ingredients are sourced from virgin natural oils. This makes it a cost-effective solution for growers.



Natural predators

It is of great importance to protect your valuable crop against harmful insects and diseases. Therefore, we offer you a wide range of natural predators. The predators we supply meet the requirements you set concerning food safety, the environment, residues and quality. Your crop is safe to us, and we ask you for a custom made advice!

Product range:

MICALI (Neoseiulus californicus)	Delphastus catalinae	Aphidoletes aphidimyza
MICALI PLUS (Neoseiulus californicus)	Diglyphus isaea	Sphaerophoria rueppelli
Neoseiulus cucumeris	Dacnusa sibirica	BOMBUS M
Heterorhabditis bacteriophora	Stratiolaelaps scimitus	Agricolle
SWIRSKII (Amblyseius swirskii)	Steinernema feltiae	AgriNema
SWIRSKII PLUS (Amblyseius swirskii)	Steinernema carpocapsae	Macrofeed
Transeius montdorensis	Phytoseiulus persimilis	Macrocheles robustulus
Transeius montdorensis	Amblyseius degenerans	Trichogramma achaeae
Adalia bipunctata	Atheta coriaria	Feltiella acarisuga
Encarsia formosa	Aphelinus abdominalis	Aphidius colemani
Eretmocerus eremicus	Aphidoletes aphidimyza	Aphidius ervi
Mix Encarsia Eretmocerus	Episyrphus balteatus	Aphidius matricariae
Orius laevigatus	Banker plant ERVI	Cryptolaemus montrouzieri
Chrysoperla carnea	Amblydromalus limonicus	Macrolophus pygmaeus

Chemical crop protection

With a wide range of high quality products Hortus is able to advise you with the best cost effective solution to all fungal problems. Please consider that the chemical products must be approved by local authorities.

Fungicides

A fungicide is a specific type of pesticide (chemical or biological in origin) that controls fungal diseases by inhibiting the growth of fungal spores, or killing the fungus causing the disease. Different crops are affected by different fungi. One fungal disease can affect more than one crop, similarly, a crop can be affected by more than one fungal disease. Fungicides can be used preventive or curative.



Insecticides

Insecticides are products of chemical or biological origin used to control insects. This can be done by killing them or deterring them. Insecticides are classified according to the method of application and by the way they enter the insects body. Many insecticides effect several insects instead of one.



Herbicides

Herbicides are pesticides used to kill or inhibit the growth of unwanted plants or weeds. Contact herbicides will kill the plant organs once they make contact. Translocated herbicides are effective against roots or other organs in the soil.





Roller- & Sticky traps

Next to our regular sizes we also supply custom made sticky rolls (with a minimum order) starting from 80 metres up to 130 metres. We noticed that several growers were wasting valuable meters of rolls and made extra hours stapling the left overs. Our sticky rolls can be used to catch and monitor the intensity of harmful insects and high infected spots inside the greenhouse. The material is treated to resist UV radiation, which makes our products suitable for use in an area with a high light intensity. We developed our own special glue which does not drip at high temperatures. This ensures a long life span of the rolls.

Sticky traps

whether you want to monitor insects with dry traps or catch them with traps with wet glue, we can supply you with both. we have the blue and the yellow variant.

The sticky traps have glue on both sides to trap the insects perfectly. We supply sticky cards with or without marked squares, different colours and two types: the so-called wet and dry variants.



With the **wet variant**, you can easily see the drips of glue between the sticky traps when you take the cards apart when opening the packaging. The glue does not drip from the sticky trap after you hang it.

With the **dry variant**, the cards are separated via a silicone insert and do not appear to be wet, but still have the same trapping ability as the wet variant.



Crop supplies

As horticultural supplier we supply you with all the inputs you need to support your crops and to create the best environment for your crops. We have a wide range of products that will help you with transport and packaging. We also have high quality Personal Protection Equipment in our assortment. Since we care about our people and yours!



Hooks

High-wire hooks are an important part of the crop rotation. In many vegetable crops, the hooks are used to bring the plant to the optimal working height. The hooks have to meet at least the following requirements: the twine must not be tangled, the hook must be firm, not slide over the wire and the freefall must “fall down” easily so the hooks can be hung up quickly. Below you will find our best sold hooks, other types are available on request.

Y-hook

The free fall part of the Y-Hook is fixated on the second bend on the hook. While hanging the hook, you can pull out the hook in one single motion. The free fall is on the same side as the unfolding, so they are not like any other system in the market. Although the installation at the greenhouse is a little slower than the other systems, the accuracy of the fall saves a lot of time, making the Y system extremely competitive.

Available sizes: 180 mm, 220 mm and 260 mm

Polypropylene twine: 1000 m, 1200 m, 1500 m / kg
 Possible colors: blue, red, green, yellow, black, white

Biodegradable twine: 500 m, 600 m, 1000 m / kg
 Possible colors: blue, red, green, yellow, white



Zer-0 hook

The free fall part of the Zer-0 hook is fixated between the twine on the hook and can be easily pulled out with 1 single motion while hanging the hook.







Twine

In the horticultural sector, twine is often used to secure crops. Every crop has its own requirements, and therefore, we offer a broad assortment of twine, such as polypropylene, BIO and Jute twine in different thickness, elasticity and colours.

Horti Twine for vegetables

We supply various types of twine, including our own branded: Horti Twine. Which is the ideal product for a wide range of applications in greenhouse cultivation. We are able to advise you which type of twine you need, this depends on the crop you're growing. The most common types are:

The most common types are:

1/1200 – 1 kg = 1.200 mtr long, breaking strength: 36 kg *
1/1500 – 1 kg = 1.500 mtr long, breaking strength: 28 kg *

* Other types upon request

Bio Twine

Hortus believes in sustainable agri- and horticulture. For this reason we put time, effort and research in products that are sustainable. This is why we have launched a range of bio/compostable twines. This type is made of PLA material. The CO2 emission is lowered significantly and the use of fossil materials is decreased to a minimum.

For bio twine the standard sizes are:

1/600 – 1 kg = 600 mtr long, breaking strength: 42 kg *
1/800 – 1 kg = 800 mtr long, breaking strength: 28 kg *



The different twines explained

There is an increasing demand for compostable and biodegradable products in the horticulture. Consumers are paying more attention to environmental friendly and sustainable products. However, in practice it appears that there is often confusion about the difference between the terms compostable and biodegradable. What do they mean? Is one better than the other? What do you need to know? We'll inform you about the ins, outs, pros, and cons of both compostable and biodegradable products.

What is biodegradable?

Biodegradation is basically just the process of nature taking its course and breaking down materials to their component parts (disintegrated by bacteria, fungi, or some other biological process). A lot of things are biodegradable, if given enough time. Plastics in particular are known to take decades or even centuries to break down naturally, but they will break down! Technically speaking, they are biodegradable. Key is to take note of how long it takes for the product to biodegrade. Some products degrade in months, while others take years. How long it takes for something to break down depends on the conditions and time. When shopping for "green" products, the less time for biodegradation the better.

What is compostable?

Composting is a method of waste disposal that allows organic materials to be recycled into a product that can be used as a valuable soil amendment. Compostable products do not always biodegrade naturally in a landfill (as biodegradable products would). They have to be placed in the right kind of conditions, conditions that are often only found in industrial compost facilities. If a material is compostable, this means that at least 90% of the material can be broken down in an industrial composting installation within 6 weeks. It then complies with the EN 13432 standard for compostable materials and can therefore be called compostable.

What's the difference?

The primary difference between compostable and biodegradable is that compostable products require a specific setting in order to break down, whereas biodegradable products break down naturally. Both of these kinds of products are better for the environment than plastic products that can take hundreds of years to disintegrate.

Twine we provide for horticultural use:

- **Polypropylene twine (PP);**
polypropylene twine is non-biodegradable. The twine is made of polypropylene.
- **PLA twine;**
PLA twine or Polylactic acid twine is a biodegradable product.
- **Jute twine;**
Jute is obtained from plants of the Corchorus genus. The long, soft bark fibers of jute plants can be spun into strong threads.
- **Jute Cordenka twine;**
Jute Cordenka twine is made of one thread of cordenka and a few jute threads. The cordenka twine is manufactured from a natural viscose, which makes it fully biodegradable.



Clips & Truss

For our clips and truss we have joined hands with Simonetti. We have done extensive research into different tomato clips and have been analyzing the results. The tests with the products of Simonetti in the first years were outstanding, and we are proud to say that the clips are supporting over 700 acres of plants at the moment.

Clips

Our clips are of a simple and user-friendly design for optimal savings on labour costs. They are designed to attach the tomato twine to the plant. They offer a strong and fast connection and ensure good plant development. Advantages: User-friendly and optimal design! This reduces the twisting frequency of the twine which lower the risk of breaking the stem. A robust hinge adds strength to the twine. Hearing a click confirms that the clip is closed properly.



Truss



Strength combined with unique flexibility to prevent damage to the stems and achieve increased production. These truss supports are specially designed to support the growth of healthy tomatoes and prevent the tomato truss from snapping. The flexibility in this support ensures easy and quick placement around the stem.



Grafting clips

Those clips are made of a soft and flexible material with excellent light density. This material ensures easy grafting and prevents damage to the plants. We can supply grafting clips for all horticultural crops.



J-hook

The J-hook is used by tomato growers to support the trusses mainly during autumn. Install the hooks just after flowering to help maintain the healthy development of the plant, especially in varieties of tomatoes with heavy clusters.



Personal Protective Equipment (PPE)

We sell products, deliver growth and care about your employees! We only supply high quality and certified personal protection equipment, health above all. We offer the protection equipment in three different categories, BEST, BRILLIANT and SUBLIME. The quality of all products is the excellent and very high, but the main difference is in the comfort.





This label covers the highest quality personal protective equipment, excellent for use in a variety of environments.

The glasses and masks, both half and full face masks, are easily adjustable and available in different designs depending on the work situation. The non-standard suits are available in two thicknesses, the spray glove also comes in two versions and the PVC boot is lined and has a PVC nitrile outer sole with large studs.



Safety glasses

These glasses have a comfortable headband that stays in place. The headband can also be easily adjusted. The frame is transparent and completely closed.



Half face mask

This mask is made of soft thermoplastic rubber and is available in two sizes (s/m or m/l). The main harness is light and quickly adjustable.



Full face mask

The inside of this mask is made of thermoplastic rubber. The headband has 5 attachment points which gives the mask a good balance. The headband can also easily be removed for cleaning. The visor is made of glass.



Filter

The universal RD40 connector is in accordance with EN 148-1 and can be used with all universal respiratory protection equipment.

Half face mask

Spray suit

Spray gloves

Knee boots



Rain suit (unstandardized)

This spray suit has just a little better quality than option 2, it is also a bit thicker in terms of material. Available in Sizes S to XXXL

Spray glove

These spray gloves have a length of 27 centimeters and are made of PVC, the interior has a soft finish.



Knee boots

This boots are made of PVC, has a polyester lining and the outsole is made of PVC nitrile with big studs.



Brilliant

More intensive use requires a higher level of comfort and that is what the products with the Brilliant label deliver.

In addition to the high-quality protection, glasses and masks are also aimed at this with better adjustment options, exhalation comfort and things such as scratch resistance. The suit consists of standardized trousers and jacket that are water, windproof and tear resistant and even offer underarm ventilation. The two variants of gloves have a good fit and offer protection against hazardous substances such as the chemicals used in horticulture. Finally, the boots are completely made of PVC including the sole, lining and insole.



Safety glasses

The Fahrenheit glasses have a modern and slim design and are suitable for different situations requiring comfortable glasses.



Half face mask

This is a set consisting of a half mask and filters. With this mask you stay easy and breathe comfortably, the resistance is kept low by a large opening on the exhalation valve.



Filter

DRÄGER X-plore A2P3 bayonet filter.



Full face mask

The visor is made of polycarbonate and is treated against fogging and scratches. For better comfort is the part that rests on the face made of thermoplastic rubber.

Filter

The quality of the activated carbon that BLS uses for the filtration of gases and vapours meets the high safety standards and guarantees excellent filter performance. They are produced without toxic additives such as Hexavalent Chromium (Cr VI) and certified for the food industry (REGVE231/2017).





Half face mask _____

Spray suit _____

Spray gloves _____



Knee boots _____



Rain suit

This green jacket is both waterproof and windproof and tear resistant. The jacket is also provided of underarm ventilation and has elastic wind catchers in the sleeves.



Spray glove

Fully coated spray gloves with a good fit. The gloves offer protection against hazardous substances and could therefore be used when applying chemicals.



Knee boots

This completely black welt is complete on the outside made of PVC which also concerns the inside a PVC sole, lining and insole.

Half face mask

Spray suit

Spray gloves

Knee boots



Spray overalls

With this overall you are well protected against chemicals and/or water.



Spray gloves

These red gloves are made of PVC and are 45 cm long. The glove is liquid-tight level 2 and chemical resistant.



Knee boots

This safety boot is extra durable due to the wear-resistant sole. Furthermore, the boot protects against chemicals due to the Nitrile and polymer-enhanced PVC composition. These boots are suitable to wear under protective suits (EN943-1 certified).



Sublime

Looking for the most comfortable personal protective equipment for yourself and your team? Choose the Sublime label.

The goggles give clear vision and airflow for hot/humid conditions. They are optically clear and comfortable to wear. Both masks are lightweight, easy to use, and have top-notch filters for protection. The spray suit is perfect for water/chemical protection and the boots have a special composition. Two types of gloves are available with different levels of liquid tightness and chemical resistance



Safety glasses

With these glasses you have a perfect field of vision. The indirect ventilation provides a pleasant air circulation, comfort and less condensation in hot or humid conditions. These glasses have optical clarity class 1 which means that these glasses can be worn comfortably for a long time.



Half face mask

The 3M reusable half mask is economical, easy to maintain, easy to install use and very lightweight. Main harness with support structure for comfortable fit.



Full face mask

This reusable full face mask made of silicone rubber is light and comfortable to use.



Gas and vapor filters

These gas and vapor filters protect you against organic vapors (A2).



Pre-filter holder

Pre-filter holder for use with 5000 series particulate filters, 6000 series vapor filters and 603 filter adapter.



Dust filter

The 5935 Dust filter protects against solid and liquid particles (P3 R).

Growing Media

We offer a variety of coco peat & substrates for horticulture & agricultural purposes. They are specially designed depending on the crop & planting phase. Need a certain mix? We will make sure you get the right mix delivered!



Spagnum Peat Moss

Sphagnum peat moss is well known worldwide for its beneficial biological, physical, and chemical properties. It is an excellent horticultural material widely used in greenhouses (for growing flowers, vegetables, and shrubs), open-air plant production, forestry, the mushroom industry, landscaping, and the manufacturing of custom growing media (substrates). Hortus Supplies offers all types of Sphagnum peat moss directly from the source to professional growers.

Rockwool

The lightweight hydroponic substrate is available in cubes or blocks. The rockwool blocks ensure a fast, effective distribution of water and nutrients throughout the blocks. This enables maximum utilisation of the substrate-volume. Which will lead to a fast, healthy development of the rooting system and the young plants.



Substrate Containers

Substrate containers are used for cultivation of vegetables, fruit and flowers. These plastic substrate troughs are of high-end quality and are steamable, allowing them to be used for years.

Coco peat: discs, blocks and slabs

Hortus Supplies offers high-quality Coco Peat in various forms to suit different horticultural needs: Our coco discs are pressed dry discs which consist of specially selected and processed coir. No more un-wanted debris in your coco peat and reliable specifications to ensure your crop has the best basis to grow in.

Discs: Coco peat discs are compact and convenient for use in small-scale planting, such as in pots or seed trays. They expand when hydrated, providing an ideal growing medium for seeds and young plants.

Blocks: Coco peat blocks are larger, compressed units that are perfect for bulk use. When soaked in water, they expand significantly, offering a versatile and sustainable alternative to traditional soil.

Slabs: Coco peat slabs are designed for larger-scale growing operations, such as in greenhouses or hydroponic systems. They provide excellent water retention and aeration, supporting healthy root development and plant growth.

Hortus Supplies also offers custom-made mixes of fine peat and chips to meet specific growing requirements. Additionally, own-branded slabs can be manufactured to help businesses maintain a consistent and recognizable product line





Propagation paper, plugs and trays

Every crop has its unique requirements, and utilizing appropriate paper, plugs, and trays can significantly enhance the quality of your product. We offer a comprehensive range of products specifically designed for crop propagation, ensuring optimal results for your crops.

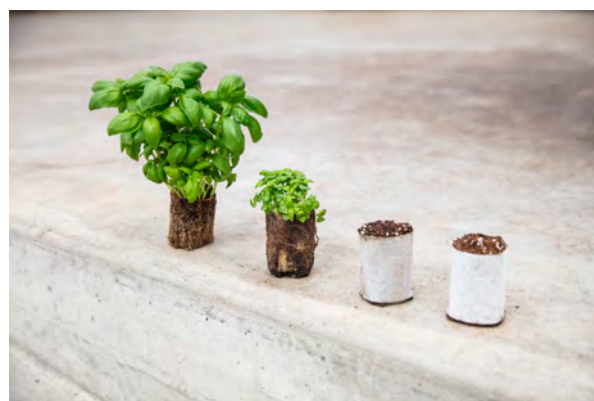
Fibercell Propagation Paper

With BCC from Sweden we have found the perfect partner for machine-based propagation systems. Not only do we supply propagation paper for horticultural use in plant propagation, also the complete machinery (page 72)

Fibercell is the perfect paper to grow high quality seedlings and cuttings. Using this propagation paper gives you the opportunity to grow the ideal root plug with a large biomass. We supply paper which degrades naturally over time.

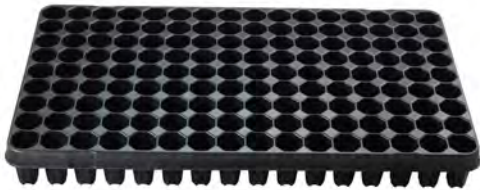
The Propagation-Paper Prime Medium is suitable for crops with a longer propagation period. The paper rolls are used by numerous forest and flower nurseries around the world, but is also suitable for other type of crops in other areas, like Rose Propagation and other flowers, Pinus Radiata, Eucalyptus, Acacia, Coffee, Citrus..

The new Biobased Medium paper is delivered in rolls of 2500 meters instead of the standard 1400 mtr that is produced by any other manufacturer. This comes with great environmental savings and reduced transportation costs!



Trays

To have the best conditions for your plants, it is important to use a tray with optimal distribution of air, water and drainage. We can provide a solution-oriented approach to your needs.



Long life trays



Light trays



Flower buckets

We have high-quality flower buckets available in various sizes. Fill the containers with fresh clean water, add liquid flower food and condition your fresh flowers after cutting the stems. Round and square buckets available, from 2 to 13 ltr.



Pots & containers

Fast watering, drainage and optimum pot machine properties. We are able to supply different kind of pots and containers.

Harvest / storage totes

Our harvest totes are specifically designed to increase efficiency and reduce waste for growers and packers. We have many different types of totes available.



Covers and sheets

Looking for screen systems that can be installed into existing greenhouses? We've got you covered! Single, double and triple layered systems are available. Operated by using, either pull wire or push pull mechanisms. Systems can be designed for the greenhouse in question, the crop being cultivated and your specific requirements. We also supply film, mats, horticultural fleece, netting, sheets and different kinds of covers.



Poly film

The climate is changing and so is the weather. Many growers have been affected by extreme weather, like heavy rainfall or hailstorms. The poly films have unique thermal, mechanical and optical properties. We can supply you with the appropriate film for your crop. Protecting, enhancing growth and meeting the expected needs.

Transport mats

Transport mats are used for mechanical clearing of the greenhouse. They are woven to the working width of the machines that are used during clearing and have reinforced edges. Application Transport mats or crop clearance fabrics are available in white and black.



Horticultural fleece

Horticultural fleece belongs to the group of non-woven cloths and is a soft, flexible and strong product for protection and hygiene applications. Horticultural fleece is characterised by its lightweight, water permeability, insulation and high tear resistance.

Netting

Insect netting is often used as an alternative to insecticides to prevent harmful insects from entering the greenhouses and transferring viruses to crops. We are seeing an increasingly bigger demand for insect netting. Especially because there is an increasing focus on hygiene and food safety. The disadvantage of insect netting can be the reduction of ventilation in a greenhouse. Therefore, a netting has been developed that has a minimal effect on a ventilation. The netting is available in various sizes, forms, dimensions and installation applications.



Ground cover

In horticulture, ground sheets are used for different purposes, such as light reflection, slope protection, weed control and to clear the greenhouse. We supply 4 colours of ground sheets in a variety of dimensions and weights:

- Black ground sheets
- White ground sheets
- Hybrid (black-white) ground sheets
- Grey ground sheets



Winter covers

Nonwoven fabric, white colour and UV stabilized to protect crops in open fields and greenhouses. Allows water and air permeability as well as a good light transmission. Positioned directly over the crop, increases the temperature by a few degrees and protects the crop against frost and insects.

Shading agents

The use of a shading agent is a simple and flexible way of protecting your crops against excessive heat or UV radiation. The agents can be easily applied, and the shading duration and effect can be varied. We supply a range of products from which you can select the appropriate shading agent, depending on the desired shading duration. Depending on your requests we can offer you one of the many available products.

La Blanche

La Blanche has been the most used sustainable shading agent in the world for over 90 years! It's made with natural ingredients and provides a reliable protective layer. La Blanche is easy to use and to apply on glass, plastic and polystyrene sheets.

It is made from natural ingredients and no chemical removal is needed

A screen duration of at least 4 months

- Protection against sunlight and heat
- Prolonged shielding and screen duration
- Without environmentally harmful substances

The screen duration of La Blanche is at least four months. By adding more or less water to the mixing prescription, you can determine the desired screening and screening duration yourself. Final screen time and coverage will depend on dilution and weather conditions.

Available in powdered and liquid form.

Good to know

According to Dutch legislation, **La Blanche** contains **NO environmentally harmful ingredients**.





ReduSol

ReduSol is a shading agent that reflects high levels of solar energy. It is wear-resistant and can be easily removed with ReduClean. For many years ReduSol is the obvious choice for protecting crops against excess heat and light. Every shading agent has its strong features. The agent that best suits your situation mainly depends on the crop and sometimes the variety. ReduSol provides shade from the sunlight across the whole spectrum. Depending on the climate, both light-preferring and shade-preferring crops can benefit from ReduSol.



ReduHeat

ReduHeat is a removable coating that reflects the heat rays (infrared) of the sun. The transmission of grow light (PAR) remains high. If the crop is suffering from heat, but it could still convert light into production, ReduHeat is a good choice. This coating shades the plants from infrared light, which warms up the plants, and lets more grow light through. It is suitable for crops that thrive on large amounts of light but need protection against heat.



ReduClean

ReduClean has been specially developed to easily remove ReduSystems coatings from the greenhouse cover. For the use of a Dosatron® pump and for diffuse coatings, there are special ReduClean versions: ReduClean DT and ReduClean for diffuse coatings.

Plastic foil and films

For any kind of film you are at Hortus at the right address. We can supply you with a wide variety of different types of film, foil or hoses. All foils, film and hoses can be custom made but we can also supply standard sizes.



Co2 Hose

Co2 is very important during the cultivation of crops. Co2 enhances the photosynthesis of your plants, this allows them to use light as fuel to grow. The distribution of the Co2 is done through plastic hoses. We are able to deliver high quality Co2 hoses. There are many options in punching distances, punctures, widths and lengths:

- Hole diameter is 0.8 mm
- One-or two sided perforated, standard is two-sides (square)
- Standard punching distances 15, 20, 25, 30, 40, 50, 60, 80, 100 and 120 cm. Other punching distances on request
- Suspension strip available for 94 mm and 120 mm
- Available in LDPE and HDPE quality
- Other colors available on request
- Take into account a 5% loss when fitted

Substrate ground cover film

By using ground cover film you can make a clean start in your glass or tunnel greenhouse. The film is a reflector and absorber of sunlight. The film reflects at least 81% of the sunlight, which will contribute to plant growth. Black/white ground cover film can be used to control weed growth. The white ground cover film is often used in combination with black Refol film. The Refol film will prevent weeds from growing, and the white film will be replaced annually to ensure optimum reflection. Widths from 230 up to 1000 cm. Standard thickness 50, 70 and 100 micron. Others available on request. Standard lengths are 200 and 300 mtr.

Specifications:

- Minimum 81% reflection
- Standard 80 Kly UV stability longer lifetime on request
- Available in white and black/white
- Take a 3% measurement loss into account, on top of the length you need
- Can also be perforated





Substrate film small widths

Substrate film with small widths are put onto the existing ground cover films. Small widths are easy to remove. The minimum reflection of the film is 81%, which contributes to plant growth. Widths from 30 up to 230 cm. Standard thickness 50 or 70 micron. Others available on request. Standard lengths are 500 and 1000 mtr.

Specifications:

- Minimum 81% reflection
- Standard 80 Kly UV stability longer lifetime on request
- Available in white and black/white
- Take a 3% measurement loss into account, on top of the length you need



Mulch film

We have mulch films in all types and sizes. Mulch film is used to counter adverse influences from outside. Furthermore, the temperature increases under the film, so the crops grow more uniformly.

Specifications:

- No weeds under the mulch film
- Thickness of 15-20-25 and 30 mu reinforced by the addition of metallocenes
- Available in transparent and black, on request also available in black/white or black/silver.



Anti-condensation film

Where anti-condensation film was used in the past to keep the energy costs as low as possible, anti-condensation film has now also been used to create a climate that is as ideal and homogeneous as possible at the start of a new crop for a number of years now.

Specifications:

- High diffuse light transmission
- High energy-saving action
- 10-12 months UV stable

Pruners

Hortus is an official dealer and distributor for Original Löwe, so we're capable of offering our clients the best prices for their high quality products. Like they say at Löwe, every cut matters! The Original LOWE pruning shears are tools for the professional, and have been among the most proven and robust tools used in these industries for generations.



Made in Germany since 1923



Löwe pruner 5.104

This LÖWE pruner 5.104 has a narrow and short blade. It is suitable for cutting branches and twigs up to a diameter of 16 mm. This lightweight pruner can you always carry with you for extra cutting work. It has a comfortable grip and we particularly recommend this pruner for smaller hands.



Löwe pruner 14.104

This compact bypass pruner is slim and pointed, it has a good balance which means not top-heavy. The blade is with wire cutter and it has the lowest cutting impact because of the dual shock absorber. This is a lightweight pruner.



Löwe pruner 14.107

This pruner is suitable for handsizes small. This compact bypass pruner is slim and pointed, it has a good balance which means not top-heavy. The blade is with wire cutter and it has the lowest cutting impact because of the dual shock absorber. This is a lightweight pruner.



**ORIGINAL
LÖWE**



Löwe pruner 16.104

This a pruner with a special cut and hold function for applications in roses and other flowers. Pruners with a cut and hold function have the finest precision when pruning. This pruner has a solid hold function after cutting. The stable clamping jaws hold the flower stem securely for taking out of the flower off the bed and present it or place to store. This pruner is very useful when producing roses.



Löwe pruner 21.080

This pruner offers a gentle cut at a low weight. This pruner has a narrow cutting head which makes it particularly suitable for sensitive woods. The fine and gentle cut which this pruner can achieve is impressive. The blade is curved to support the drawing cutting movement. We can supply this pruner in three different lengths.



Hortus Cut and Hold

If you do not want to pay the highest price for a pruner, the Hortus Cut and Hold is the best available choice. For low price you will receive the high quality. With its comfortable handle grip and its 'cut and hold' function, this pruner is particularly suitable in rose production. Spare parts are available from stock.





Orchid products

Orchids require some specific products and we are specialised in these products.

We have different kind of products in our range to support the growth of your orchids.

depending on the type of orchid you are growing and your growing conditions, you might need some other products. Ask us for it and we shall advise you.

Substrate mix

The right potting mix for orchids provides plenty of drainage, air circulation, or moisture — depending on the needs of your particular orchid. It is our pleasure to provide you with a tailored advice.



Orchid pots

Plastic orchid pots are a staple of any orchid grower because repotting orchids is a regular and critical part of their health and beauty. Clear plastic orchid pots are popular for orchids because one can see what's going on with roots and moisture content.

Collars



Orchid trays

Our humidity trays provide the extra moisture that many orchids and other air plants thrive on. Lightweight and easy to clean, each tray is structured with shallow vertical ribs to elevate pots above the liquid level.



Bamboo

The well-known support sticks for pot plants with heavy flowers like hydrangea, begonia and orchids.



Grips

Special clips in different colours, shapes and sizes for clipping orchid stems to the support sticks.



Sleeves

We can supply different kind of sleeves (sizes and colour)



Grow forms

Grow forms can be a value-enhancing alternative and can be ordered in several models.

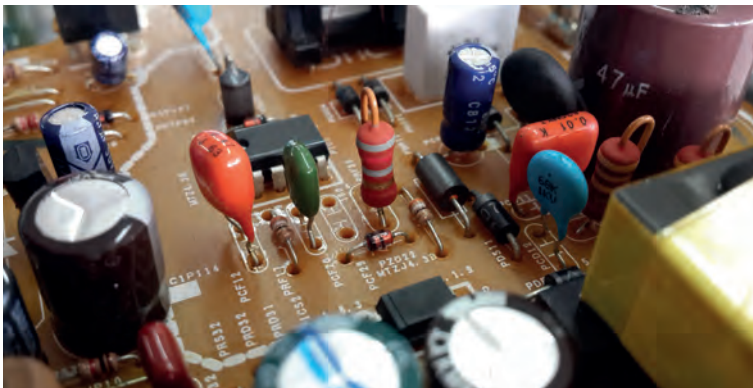
Turnkey projects for mechanisation and installation.

Many growers opt for turnkey projects nowadays. We have the expertise to take on the central, coordinating role within a project. Right from the start we will make sure that the correct planning schedule is in place. While working with various partners, we will coordinate every step. You will have one contact person which will keep the communication line short.

Advantages

- Competitive prices
- Lumpsum / contract base
- One billing account
- One contact person
- Available by phone during working hours in North-America and the Netherlands
- Decades of experience

**WE GET
THINGS
DONE**



Electrical parts

Is your machine not working as it's supposed to be? Sometimes parts are in need of replacement. We are specialized in analysing your needs and will bring you a solution.

PVC parts

PVC piping systems are used globally for the transport of water. The pipes and fittings distribute water under pressure. The main characteristic of these pipes is the long term resistance to pressure. Next to the pipes we are also able to supply fittings, valves and gauges.





Ridder Growing Solutions

Ridder Growing Solutions produces intelligent, innovative and user-friendly total solutions. Ridder, former Hortimax, supplies solutions for growing technologies (climate, irrigation, nutrients, sterilization of water and energy management) and also for business (labor and productivity). Hortus is an official Ridder dealer.



FertiMix Go!



FertiMix E Serie



VitaLite E4



Complete irrigation system

With the right irrigation solution you can reach a more consistent quality, increased yield and all resources will be better optimized. We are proud dealer of Rivulis their irrigation products, they create cost effective irrigation solutions and less labor intensive systems.

We are looking forward to tell you more! If you need any assistance with the design or layout of your irrigation or cultivation project, we are here to help.



Online drippers

With over 40 online dripper combinations, we have you covered with the most comprehensive range of drippers available including variable flow rates, outlet options and Pressure Compensating and Non-Drip (PC/PCND) combinations.



Irrigation sprinklers and jets sprayers

We offer a wide range of sprinklers and jets that deliver performance season after season with great yields, consistent quality and crop production efficiencies.



Layflat and pipes

When you need a versatile and durable way to transfer water from your submain to your field, we have your irrigation system needs covered with our layflat, hoses, tubing and pipe engineered with the latest technology.



Filters

Filters are the number one way to protect contaminants from entering your irrigation system. We offer a wide range of disc, hydrocyclone/sand separator, media, and screen filters. Every Rivulis filter is manufactured to provide the highest level of protection through durable construction and excellent filtration performance.

Irrigation drip tapes and drip lines

Our extensive range of drip irrigation solutions features integrated emitters (drip tape) and molded emitters (drip line), along with pressure compensated, no-drain and anti-siphon models. Built to the highest standards of engineering and quality control, our drip line and drip tape ensure maximum resistance to clogging, maximum uniformity and maximum yield at harvest.



Assimilation lighting

Assimilation lighting in greenhouses and indoor facilities is one of the key factors for successful growing. At Hortus we have the knowledge, tools and products to support you throughout the entire process. Every grower cultivates in a different situation. With our experience and knowledge, we are able to advise you with the right type of light sources. The source and positioning of the fixtures determines the efficiency of the installation. We are confident we can ensure optimal efficiency, light-levels, light-uniformity and a return on your investment.

Advising → Designing → Building

First of all, we identify the customer's correct requirements. After that we create a tailor-made lighting plan, during this process we will consider all aspects like light-levels, uniformity and the

construction. When the lighting plan is set, we discuss the best solution for your facility. We are able to offer HPS, LED and hybrid solutions from the best lighting manufacturers in the horticultural market.



(Non)-Flowering bulbs

The LED (non) flowering lamps are designed to facilitate greenhouse photoperiod control. Photoperiod control allows growers to manage vegetative growth or rapid flowering throughout the year by extending or shortening daylength. It helps control plant growth so your production is ready at the time you want. We can offer different types of flowering lamps from several manufacturers.



Spare parts

Regularly checking the lamp output is crucial for optimal performance as lamps may become less effective over time. A decrease in light can result in lower yield and efficiency. At Hortus, we offer lamp measurement services and can provide replacement bulbs as needed, ranging from 400W single-ended lamps to 1000W double-ended lamps, all at competitive prices. With our expertise, we can offer the right advice to meet your needs.



LED watercooled

- Output up to 4.730 $\mu\text{mol/s}$ / 1250W
- Voltage range 277V - 480V
- Compact
- Water-cooled
- Robust design
- High efficient
- Perfect LED-only or hybrid solution
- Easy to clean
- No loss of CO₂
- Custom-made spectrums
- 5-year warranty

The only watercooled LED fixture in the market. Heat management is very important. This Oreon fixture efficiently transports heat from the LED junction to the cool water. The water can be re-used in several ways. Because of the active water-cooling, there is less heat going into the greenhouse. This fixtures can be equipped with different spectrums, also according to customers wishes. Equipped with two different lightdistributions, narrow or wide, it is the perfect product for LED-only and hybrid (HPS+LED) systems.

LED passive cooled

- Output up to 4.150 $\mu\text{mol/s}$ / 1150W
- Voltage range 208V - 400V
- Optimal cooling
- No dirt-accumulation
- Lowest weight/performance ratio
- Intelligent auto-voltage ballast
- Optimal lightdistribution
- Different spectrums

New LED toplight designed for optimal output and efficiency, indoor and in greenhouses. The optimized housing design enables a maximized surface area and contact to cool air, achieving a lightweight and compact design. The optimal lightdistribution



makes this LED light a perfect fixture for LED-only and hybrid (HPS+LED) solutions. This fixture can be equipped with different spectrums, according to your wishes and needs.



High Pressure Sodium

- 600W / 750W / 1000W
- Voltage range 120-400V
- Different reflectors for each situation
- Coolest HPS fixture in market
- Smart design, compact housing
- Highest efficiency
- Easy installation



HPS fixtures have proven their value, they are the best HPS fixtures in the market. The lamp has the highest efficiency, because of the housing they are the coolest fixtures available. This is very important for the operating life-time of the electronics and reduces faults. Available in 600W, 750W and 1000W with different reflectors to be used in all kinds of situations and needs.

Hygiene units

Sole and hand disinfection is very important before entering a greenhouse. The disinfection of the soles and hands happen simultaneous with these hygienic entrance systems. The unit has no down-time, since the disinfection bath is filled automatically. The machines are efficient in the use of chemicals, thus economical. The turnstile is released, after disinfecting the hands and soles to access the greenhouse.

Sole cleaning, shaft cleaning and hand disinfection

The DZW-HDT-EDSW is a hygienic entrance that specialises in carrying out three tasks: disinfecting the hands, cleaning the soles and also cleaning the edges and shafts of boots. All this lets your colleagues efficiently pass through the cleaning process. The turnstile is only released after the hands have been disinfected. The disinfection process is sensor-controlled and uses a mist of soap and disinfectant.

Benefits

- Four-year warranty on brushes
- Brushes suitable for HACCP/IFS
- Easy to remove brushes
- Disinfectant regulation with level indicator
- Adjustable two-sided chemical dosing



Sole cleaning and hand disinfection

The DZW-HDT can clean soles and disinfect hands simultaneously. The soles are cleaned by the rotating brushes while the hands are moistened and sprayed all over with disinfectant. The DZW-HDT does all of this automatically. The hands are disinfected with the help of sensors. These sensors control the spray nozzles around the hands. Once the hands have been disinfected, the turnstile opens and the person can move through to the next area.

Benefits

- Ergonomic design
- Brushes easy to remove
- Four-year warranty on brushes
- Adjustable two-sided dosing of chemical detergents
- Disinfectant controlled using level indicator





Growing systems

Optimal cultivation starts with a growing system that is designed to your requirements. Together with our partners we are able to design high-quality and innovative cultivation systems. Some examples of our growing systems:

No matter your cultivation technique, we have an appropriate solution for you. Let us know how you cultivate and what the ideal starting situation is for your company. We're sure to find the best option. Our systems enhance your company's efficiency, quality, and crop management, and also help you to achieve the most from your crop. We are eager to look beyond the existing varieties. Below you will find examples of the most common systems within your crop. If you can't see your ideal system or if you have other questions, then please contact us.



Shading screens

Traditional shading screens, cut the light irradiation. Our screens are specially designed for long lasting use under high mechanical stress conditions due to abrasion on tensile structures.



Trellis Netting -Support Mesh

Support mesh, or trellis netting, helps you support your crops when they could bend or break. Plants retain their firmness and are less likely to break thanks to this netting. Since there are many differences between different crops, it is important to choose netting with the right specifications.



Standard Specification of Hortus Trellis Netting

- Standard mesh size : 17 x 15cm , (6 ¾ inch x 6 inch)
* other mesh sizes on request
- Width of the trellis netting: 6 ¾ inch – 7 ¼ ft
(1-13 meshes)
- Roll length: 1,000 m (3.280ft)
- Material: 100% PP polypropylene
- Weight: 8 grams/m²



Pull-out canvas for crop rotation

Pull-out canvas is designed to pull-out plants with machines. The canvas transports the plants to a machine, which will destroy the old crops. Perfect for crop rotation!



Capillary matting

A capillary matting distributes and buffers water, evenly over pot plants. A functional and efficient operating capillary matting gives you multiple advantages, and is ideal for seedlings and delicate plants.



Watertanks

The tanks can be custom designed, to suit different requirements, They are equipped with high-quality fittings, including inlet and outlet valves, overflow outlets, and drainage systems, to facilitate efficient water management and control.

Liners, covers and accesories

A wide variety of liners, covers and accesories for watertanks are available. Like valves, fittings, level indicators and outlets.

Machinery

At our company, we take pride in offering a wide range of machines specifically designed for horticultural and agricultural purposes. We understand that every customer has unique needs and preferences, which is why we offer a diverse selection of machines with different features and capabilities. including cultivators, tractors, sprayers, seeders, harvesters, and more, so you can find exactly what you need to meet your specific needs and requirements.

Potting machines

Potting machines allow growers to switch quickly between pot sizes, saving time and money. Our specialized team can make you an offer which is based on your specific needs.



Hortus Spraypump

It's necessary to have the right pressure in your irrigation system. The amount you need depends on the size of the valve sections. With our spraypump you are able to water your crops with ease.

Specifications spraypump:
Automatic manual star/
delta switch, Low
pressure protection,
Over pressure
protection, Direct
transmission,
Pressure
regulator.



Conveyor

We offer conveyors for boxes, trays and pallets – all based on proven techniques with limited maintenance and a long service-life. Non-driven roller conveyors are used where possible, wherever employees have to be positioned. Driven conveyors are used where quite a distance has to be covered. Including controls, installation and service.



Tilted plate separator

A tilted plate separator or lamella separator is used to separate solid particles from a water stream. These particles can settle by their size and weight. In the lamella separator, a tilted plate package is provided to promote a laminar, even flow of water and greatly increases the settleable surface through the lamellae. Solid particles settle and are collected underneath the plate package.





Rolling bench systems

These systems offer numerous advantages compared to fixed table system or growing in the ground.

Some of these advantages summed up:

- Efficient handling of different plants
- Optimal space usage
- Improved airflow in the greenhouse
- Efficient plant irrigation
- Better control of crop quality



Stringmachine

With a stringmachine vegetable growers are able to increase their efficiency during the hanging of twine. Affirm the machine to a pipe rail trolley and the cutting of twine will be a piece of cake. The stringmachine can cut up to 1500 strings per hour.

Recirculation fans

UL & CSA CERTIFIED

A too high humidity in the greenhouse, is a significant problem in horticulture. It increases the risk of illness and infection of your crops. With recirculation fans you can bring an air flow in the greenhouse. This gentle air movement doesn't just have a drying effect on the crops, which reduces the risk of illness; it also leads to an even temperature distribution in the greenhouse. This creates balanced growth for your crops. The fan speed can be regulated so you can control the air flow speed.



Shredder

A shredder is a multifunctional crop rotation machine for removing various horticultural substrates (rockwool, perlite, coir, slabs), tomato leaf, groundcover and various crops (cucumber, tomato, strawberries etc.). The shredder rolls up the canvas on which the material is drawn to the machine. The material falls on a conveyor belt, which transports it into a container or on the concrete path. Instead of a containers, the material can also be driven out with a foliage fork.

Filling Machines for Propagation plugs

BCC's FiberCell Filling machines are in the forefront of development. We know there is not a unilateral solution working for all clients around the world. We add our know-how and experience to make sure you get exactly the right set-up to optimize your business. You can choose from different types:

- Fully-Automatic Multi-Row Filling Machines
 - Fully-Automatic Filling Machines
 - Semi-Automatic FiberCell Filling Machines
- Our partner FiberCell, produces filling machines that are durable and of the highest quality standards. BCC FiberCell stands for reliability, good functionality, and minimal downtime, which offers our customers high efficiency in their operations.



Strappingmachine Hortus



Our very own strapping machine. This semi-automatic machine can be used in any sector and has very strong construction. Because of the the machine requires minimal maintenance. Since the strapping machine can be used to strap any packet size, it's fit to use in almost every sector. Furthermore we are able to supply you with strapping

band of excellent quality and for a competitive price.

Benefits strapping machine:

- Adjustable table height 735-835mm.
- Easy to move.
- Easy maintenance and strap coil change.
- Less energy consumption.

Bucket filling machines

Bucket filling machines can speed up your flower processing management. Thanks to our wide range of bucket fillers, including a variety of optional extensions, you will always find the unit ideally geared to the processes in your business. Bucket fillers automate the de-stacking, filling and removal of buckets or containers, ensuring increased productivity.





Bouquet machine

Creating hand-tied bouquets at full speed has always been a challenge. You need skilled employees and they need to be trained. Automating can be favourable for many growers. With this machine it is possible to create up to 1200 bouquets per hour. Improve your productivity and capacity with the hand-tied bouquets machine!

Pipe rail trolleys



Type 1

The Type 1 trolley is designed for crop cultivation in modern greenhouses, where crops are grown on considerable height (crop wire max. 4 mtr). The maximum working range of the trolley is 400 cm (230 max. platform height + 170 cm of the operators height). The structure of the trolley is made of steel, covered with anticorrosive coating. The trolley is equipped with an advanced control system. The undercarriage assembly is turned on manually.

Type 2

The Type 2 trolley is also used in modern greenhouses. The maximum working range of this trolley is 462 cm (292 max. platform height + 170 cm of the operators height). This trolley has the same coating as Type 1. The double scissor-type lifting assembly for the work platform is powered by two hydraulic cylinders. The trolley is equipped with an advanced control system. The drive unit features a brake that prevents uncontrolled stopping of the trolley.





Spray trolleys and spray equipment

W

e are a global supplier of horticultural spraying equipment. In addition to selling well-known brands, we have also developed our own spray lance and branded parts.

Our philosophy promotes simple yet practical machines that are always safe, which is why we are delighted to sell these products.



Afrika lance - Spraylance 3 nozzles

Based on our experience, knowledge, and feedback, we have developed a competitively priced spray lance. Although it is named the "Africa Lance," it is not exclusively sold in Africa.

Nozzles

In addition to the spray lance, we also offer our range of nozzles. Depending on your specific requirements, we can provide expert advice on different types of nozzles and supply you with the appropriate ones



● Georgia 600

The Empas Spray trolleys are also available as 1.000 ltr and 2.000 ltr



Kit 295

Do you prefer a customised Empas product? We are happy to provide you with a tailored solution.



Sprayboom

Empas spraying equipment enables you to easily apply crop protection agents, mist or clean surfaces.



Wheels

In addition the Empas spraying trolleys / spray trucks we can also supply loose Empas wheels



Spray gun

Empas motorised barrel sprayers are generally used in combination with a spraying boom or a spraying mast – but a spraying robot or a spray gun are also options, of course.



AquaJet

The AquaJet is especially designed to get your greenhouse in a shiny and fresh state for the next cultivation season. While moving over your pipe rail system, the machine cleans the inside of your greenhouse quickly and thoroughly. You can apply cleaning or disinfection agents and then rinse it with a high-pressure water beam that is fixed to the AquaJet. The machine works without cables, has a hydraulic drive and can be delivered with a stepless telescopic boom or an optional module to clean gutters. Use the AquaJet in combination with, a natural product like Organic Clean XL to achieve the best possible result.

In general, most growers can clean about 2,47 acres (1 ha) per day (8-9 hours work). This is if you clean the top and side of the greenhouse. Usually you spray out the dirt out after 10-15 minutes. This is ineffective, HSI sells Organic Clean XL which doesn't have to be rinsed. That means less labor, because you pass through an area once instead of twice. Dependable on the contamination and the cleaning of your gutters, it will take even more time.



Standard features AquaJet

- Adjustable track width of 425 to 600mm
- Spray mast suitable for greenhouses with a post height of up to 6.50 metres
- 150 meter hose on reel
- Booster pump
 - Placed on the track, connected between the water tap and supply hose guarantees correct water supply pressure to the AquaJet
- Spare parts kit
- Maintenance kit

Optional features AquaJet

- Extended spray mast
- Dosing unit
 - for spraying various (glass) cleaners
- Crop gutter cleaner
- Extra nozzle set for cultivation gutter cleaner
 - for spraying the cultivation gutters with a cleaning or disinfecting agent
- LED work lights
 - consisting of; 2 power LED's 24W - 1,920 lumens, cable with plug
- Other track widths
- Hydraulic foldable mast



Top Cleaner

The Top Cleaner is a top model greenhouse deck cleaner; a high-quality roof washer suitable for all Venlo greenhouses. Moreover, the machine is environmentally friendly because it only uses water to clean the glass. The Top Cleaner is also equipped with all imaginable safety devices.

Certified suppliers

Hortus works with a wide range of certified suppliers such as:







Catalogue

www.hsibv.com

Decades of experience in horticulture

Hortus Supplies International offers a full range of requirements to grow all kinds of crops in horti- and agriculture. Based in The Netherlands, the company has a team of 30 passionate people. All of them have their own expertise. We have a specialized team for all your questions. With our practical knowledge

and experience we are able to advise you on all your needs. We analyze your inquiries, advice where necessary, and provide a custom-made offer, which meets with your requirements. This will optimize the processes and growth of your crops.

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