

# VERTICAL FARMING

Seeds  
specialist



Herbs



Lettuces



Leafy Greens



Cosmetics and  
Edible flowers



Microgreens



# VOLTZ

VERTICAL FARMING



# FINDING THE RIGHT SEED FOR THE RIGHT CROP

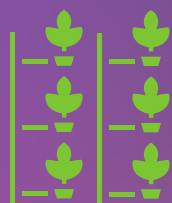
**VOLTZ MARAÎCHAGE** strongly believes that Indoor farming will be part and parcel of the future of food production. Building a more sustainable food system with less pesticides, transportation, and water should be a shared purpose. That's how **VOLTZ MARAÎCHAGE** created the brand **VOLTZ VERTICAL FARMING**, which is dedicated to find the best seeds for the Vertical Farmers. Being part of the answer to the world's food security issues is a priority for our family-owned company.



Hydroponics



Vertical Farming





# A SHARED HISTORY

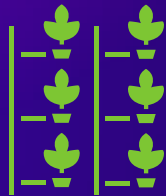
In 2020, GRAINES VOLTZ acquired the genetics from HILD Samen, one of the most complete herbs assortment worldwide.



Those fine genetics combined with the spirit of GRAINES VOLTZ to always follow the market needs and evolutions, made us develop an assortment dedicated to Indoor growing: the selection you will find in this catalog has been made on very precise cultivation criteria: high yield, speed, great taste, but also on seed quality. Our mission: to provide the Indoor farmers with the best quality seeds for the best quality products on the market.

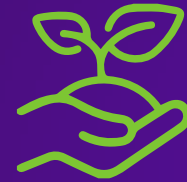
## SELECTION

Varieties are agronomically selected for their development in Vertical Farms.



## GERMINATION

We select for you seed lots with the best germination rate.



## HEALTH

Seeds are checked against seedborn diseases.



## TRANSPARENCY

Our teams are committed to provide you with sanitary transparency.



## COMPLIANCE

We check and clean our seeds at the highest possible level.



## AVAILABILITY

Having seeds available all year round is our top goal.



# BREEDING & RESEARCH

At **GRAINES VOLTZ**, research and production are among our top priorities. We directly develop our varieties at our location in France and carry out numerous production programs all over the world. Our breeding activities are mainly focused on aromatic herbs, which has been very welcomed by the Indoor farming industry.

In 2024, our goal is to offer a complete assortment to indoor farmers. We worked on selecting and gathering the best varieties to allow you to grow your herbs, but also leafy greens, lettuces, microgreens, edible flowers and even flowers for cosmetics and pharmaceuticals. More is to come, such as fruity plants, and our research in the field of Vertical Farming seeds is always growing.



## THE FARM





# OUR SEEDS FOR INDOOR PRODUCTION

You will find below varieties that have been selected for Indoor production, and this meet your needs when it comes to yield, taste and quality.

## Herbs

### BASIL



#### GUSTOSA

A typical Genovese type with dome-shaped leaves of a deep dark green colour. This variety is compact and very uniform, ideal for pot production. It has a high intensity in odour and taste, with an extra spicy note.



2-3 days



23-25 days



1.7 / 2.4 kg/m<sup>2</sup>/cycle



521 000 seeds/kg



#### LUCIA

Our most compact Genovese type with flavourful spoon-shaped leaves. This variety is adapted to all indoor growing conditions. It is versatile and robust. It germinates very well and shows a good performance after transplanting. It has a remarkable shelf life (exceeding 6-9 days).



2-3 days



23-25 days



1.7 / 2.4 kg/m<sup>2</sup>/cycle



855 000 seeds/kg



#### THAI SITA

A remarkable variety of Thai basil with green leaves and purple stems, ideal for diversification. It has a nice aromatic taste and a wonderful exotic fragrance (anise, cinnamon and camphor). The plant is compact (30 cm) and adapted to warm climate.



2-3 days



23-25 days



1.7 / 2.4 kg/m<sup>2</sup>/cycle



800 000 seeds/kg



Energy-saving



Germination in days



Growth cycle in days



Yield [kg/m<sup>2</sup>/cycle]



Average number of seeds/kg

All seeds are untreated

## CHIVES



### POLYVERT

A variety that grows strong and upright. Thanks to its short cycle, it is our best selection of chives for indoor production. It has a good resistance to yellow tips.



## CORIANDER



### ATLAS®

A robust and productive variety resistant to tip burn and bolting. It has numerous dark green leaves which ensures good yields and stable production. Their smooth texture reduces the sticking of the leaves to each other and facilitates handling. The variety has an intermedial resistance against Pseudomonas. It is suitable for fresh bunching or processing industry.



### SHANGHAI

A variety that grows fast offering high potential yields for all indoor cultivation systems. The plant is very compact and upright with a good resistance to bolting. It has a strong root system and relatively small dark green leaves with a nice flavour. It offers a good shelf-life after production.



## DILL



### THALIA

A robust and homogeneous variety with a nice dark green color. It is adapted for indoor production thanks to its high yield and good resistance to bolting when temperature rises.



5-7  
days



26-28  
days



1.5 / 2.1  
kg/m<sup>2</sup>/cycle



596 000  
seeds/kg

## LEMON BALM



### LEMON BALM

A selection of lemon balm which grows very compact and upright. It has a good yield with a large leaf biomass.



15-20  
days



1 700 000  
seeds/kg

## MINT



### SPICATA

Spearmint is known for being one of the best mint variety for flavour. Our selection has a refreshing fragrance with a spicy taste and gives very good yields.



28-35  
days



9 800 000  
seeds/kg



Germination  
in days



Growth cycle  
in days



Yield  
[kg/m<sup>2</sup>/cycle]



Average number  
of seeds/kg

All seeds are untreated



## PARSLEY CURLED



### DARKI

A «moss-curl» selection of parsley, compact and easy to harvest thanks to its extremely upright leaves.



10-12  
days



30-32  
days



3 / 3.8  
kg/m<sup>2</sup>/cycle



782 000  
seeds/kg



### STARLETT

A «moss-curl» selection of parsley with a short cycle and a good post harvest conservation. It is extremely homogeneous and suitable both for cut or processing.



10-12  
days



30-32  
days



2.5 / 3.3  
kg/m<sup>2</sup>/cycle



655 000  
seeds/kg

## ROSEMARY



### ROMARIN

A selection of rosemary with a high germination level allowing space optimization in the germination chamber. It is very fragrant and has a good resistance to bolting.



26-30  
days



690 000  
seeds/kg





# PARSLEY FLAT



## LAICA

A «Gigante d'Italia» flat parsley selection with large leaves and great taste. It is fast growing, has a good regeneration capacity and performs very well in all vertical growing conditions.



5-7 days



26-28 days



3/3.8 kg/m<sup>2</sup>/cycle



782 000 seeds/kg



## LION

Our newest selection of «Gigante d'Italia» parsley with large, dark green leaves and compact, very stable and upright stems. It has high resistance against downy mildew. It is a perfect combination of yield and shelf life.



5-7 days



26-28 days



3/3.8 kg/m<sup>2</sup>/cycle



380 000 seeds/kg

# SORREL



## RED-VEINED

A variety with very precise red veins covering the whole leaf. It is ideal for indoor baby leaves production and added value markets.



3-4 days



18-20 days



1.7 / 1.9 kg/m<sup>2</sup>/cycle



1 550 000 seeds/kg



Germination in days



Growth cycle in days



Yield [kg/m<sup>2</sup>/cycle]



Average number of seeds/kg

All seeds are untreated



# Leafy Greens

## CRESS



### DE FONTAINE

A variety selected with care and offered in high quality seeds. It is a quick crop that can be harvested in 15 days, which is ideal for the production of young leaves.



8-12 days



15-18 days



2.5/3.3 kg/m<sup>2</sup>/cycle



3 850 000 seeds/kg

## ROCKET SALAD



### TOSCANA 🇮🇹

A wild rocket variety with nice broad dark green serrated leaves, which gives it a good yield potential. It has a good resistance to bolting when temperature rises.



10-12 days



30-32 days



2.5/3.3 kg/m<sup>2</sup>/cycle



4 760 000 seeds/kg



### VENETIA 🇮🇹

A unique selection of rocket with the typical incised leaf shape of wild rocket and the cycle of a cultivated one. It has a rapid growth (20 days), a pleasant spicy taste and crunchy leaves. It is deal to boost up your leafy greens mixes !



2-3 days



18-20 days



1/1.2 kg/m<sup>2</sup>/cycle



544 000 seeds/kg







**Gautier**  
SEMENCES

**VOLTZ**  
VERTICAL FARMING

Graines Voltz and Gautier Semences have combined their expertise to offer you the best lettuce varieties for Vertical Farming.

Our two French family-owned companies have been active in the professional seed markets for decades, always driven by a strong commitment to quality and innovation. Therefore, we are well aware of the challenges and needs of a constantly evolving agricultural world.

That's why we turned our attention to emerging indoor growing techniques and their specific requirements.

Driven by our passion for innovation and our ability to anticipate market demands, we carefully selected varieties that are perfectly suited to your needs, including rapid growth cycles and high yields.

We are convinced that this collaboration will be a guarantee of quality for the success of your future projects.



# Lettuces



## JAVELO

G

Light green lollo type lettuce.  
Plant with a good volume and an open head.  
Well balanced blond curly leaves.  
Strong against tipburn and good performance in various cultivation systems.

Resistances : HR: Bl: 29-33,35,37-38EU, Nr:0



2-3 days



20-35 days



4-5 kg/m²/cycle



## FLORIGO

G

Multileaves batavia green type.  
Incised and curly leaves.  
Compact and solid plant, strong against tipburn.  
Homogeneous number of leaves and leaf sizes, suitable for high density planting.

Resistances : HR: Bl: 29-40EU, Nr:0 - (IR) LMV:1



2-3 days



20-35 days



4-5 kg/m²/cycle



## BELANICE

G

Blond oakleaf type.  
Well-structured plant with filled heart.  
Compact head with good resistance to tipburn.  
Very attractive presentation.

Resistances : HR: Bl: 29-31,34,36,39,40EU Nr:0



2-3 days



20-35 days



3.5-4.5 kg/m²/cycle



## VERIGO

G

Multileave crunchy green type.  
Whole leaves, solid and crunchy with curled edges.  
Strong against bolting and tipburn, good yield.  
Good post-harvest shelf-life.  
Ideal variety for sandwiches.

Resistances : HR: Bl: 32EU



2-3 days



20-35 days



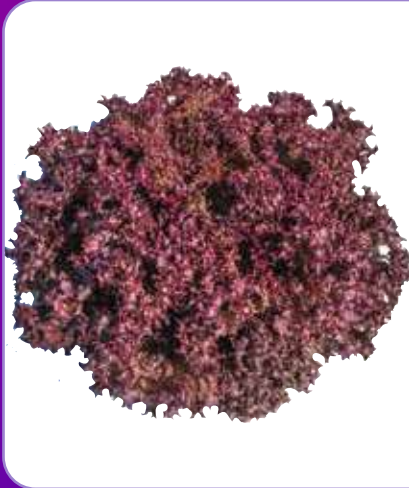
5 kg/m²/cycle







# Lettuces



## ANSELO

G

Triple red lollo type lettuce.  
Intense coloring to the heart.  
Medium size head.  
Good resistance to bolting.

Resistances : HR: Bl: 16 27,30 32,37EU, Nr:0 - (IR): LMV:1,Fol:1



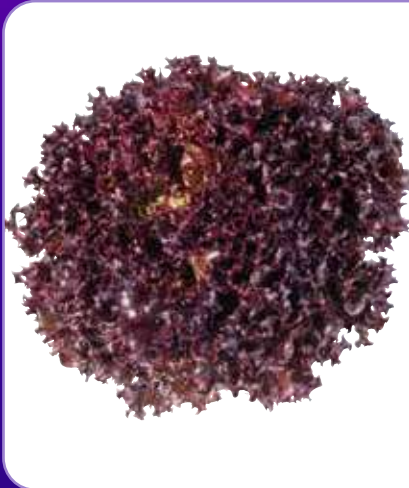
2-3  
days



20-35  
days



3-4  
kg/m<sup>2</sup>/cycle



## REDIGO 2

G

Multileaf batavia red type with incised leaves.  
Deep, penetrating red colouring over the entire leaf.  
Particularly suitable for food processing.

Resistances : HR: Bl: 29-40EU - (IR) Fol:1, Fol:4



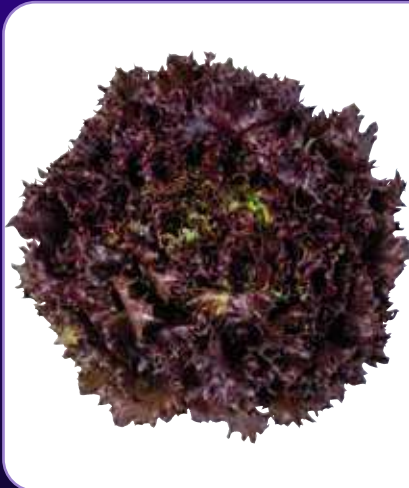
2-3  
days



20-35  
days



3-4  
kg/m<sup>2</sup>/cycle



## RUBYGO 2

G

Multileaf batavia type with whole leaves with curled edge.  
Two-tone red and green colored leaves.  
Very attractive presentation.  
Good post-harvest storage.  
Ideal variety for sandwiches.  
Good pairing with Verigo.

Resistances : HR: Bl: 29-40EU, Nr:0 - (HR) Fol:1, Fol:4



2-3  
days



20-35  
days



3-4  
kg/m<sup>2</sup>/cycle



Germination  
in days



Growth cycle  
in days



Yield  
[kg/m<sup>2</sup>/cycle]



Average number  
of seeds/kg

All seeds are untreated

**Gautier**  
SEMENCES

**VOLTZ**  
VERTICAL FARMING

# Cosmetics et Edible flowers

## CALENDULA OFFICINALIS



### BONBON ORANGE INDOOR

An early and dwarf variety, producing a big number of double flowers that allows a strong and quick development in indoor farms. Blooming starts around 2 weeks after transplanting.



## CENTAUREA CYANUS



### CYANUS DWARF BLUE INDOOR

This compact variety will fit perfectly in stacked growing systems, or any kind of vertical farming facility. It has a quick growth, and produces a large quantity of double flowers, which increases global yield. Harvest can start around 30 days after transplanting. Flowers can be used for a medicinal use (oil, cream, water) but they are also edible.



## ESCHSCHOLZIA CALIFORNICA



### CALIFORNICA ORANGE INDOOR

This variety shows a quick and good potential to grow in indoor farming systems like hydroponic trays. Our Californian poppy starts flowering around 3 weeks. The whole plant can be harvested for a medicinal use, but the flowers are also edible.



## CATHARANTHUS ROSEUS



### PACIFICA XP WHITE INDOOR

With its bushy shape (20cm), this robust variety will thrive perfectly in your vertical farm, even in tight stacked environments. Warm and dry climate would be preferable.





# Microgreens

Voltz Vertical Farming offers you a whole assortment of microgreens seeds. All are tested for human pathogens *Listeria*, *E. Coli* and *Salmonella* to allow you the highest safety level.

We select the seeds for their high germination rate and vigor, so you can harvest beautiful microgreens in 7 to 15 days.



Ask for our brochures to know more, or visit our website!



## Find us on our e-commerce website

Easy and intuitive. With just a few clicks, you can reach our best seed varieties.



Real time stock inventory



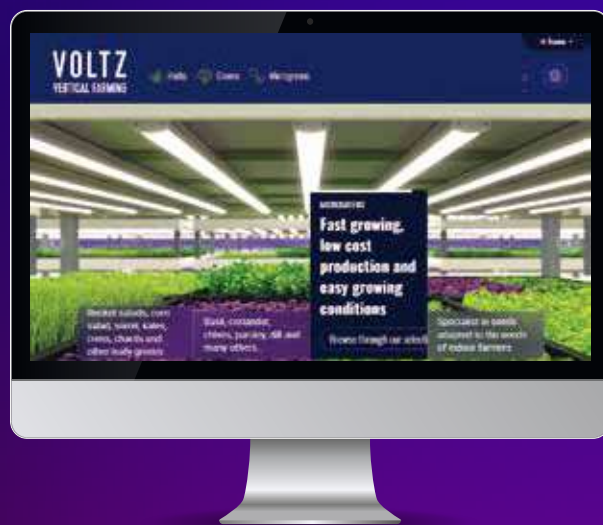
Easy and quick purchase



Online tracking orders



Quote and sample request



[www.voltz-vertical-farming.com](http://www.voltz-vertical-farming.com)

**VOLTZ**  
VERTICAL FARMING

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RCS Colmar B 333 822 245 - SIRET 333 822 245 00069 - SA with capital of 1 480 265 Euros - Code APE 4622Z - VAT ID number: FR 44 333 822 245