

# VERTICAL FARMING

Seeds specialist

2022

# FINDING THE RIGHT SEED FOR THE RIGHT CROP

 **GRAINES VOLTZ** strongly believes that Indoor farming will be part and parcel of the future of food production. Building a more sustainable food system without any pesticides, transportation, and less water usage should be a shared purpose. Being part of the answer to the world's food security issues is a priority for our family own company.



Hydroponics



Vertical Farming



In 2020, Graines Voltz acquired the herbs genetics from Hild Samen, one of the most complete herbs assortment worldwide

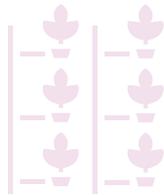


Based of those fine genetics, we developed an assortment dedicated for Indoor growing : the selection you will find in this catalog has been made on cultivation criteria such as high yield, great taste, but also on seed quality. Our mission: to provide the Indoor farmers with the best quality seeds on the market.

1

## SELECTION

Varieties are agronomically selected for their development in Vertical Farms



2

## GERMINATION

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



3

## HEALTH

Seeds are checked against seedborn diseases



4

## TRANSPARENCY

Our teams are committed to provide you with sanitary transparency



5

## COMPLIANCE

We check and clean our seeds at highest possible level



6

## SUSTAINABILITY

Having seeds available all year round is our top goal



# BREEDING & RESEARCH



Graines Voltz opened in 2021 a breeding and research station in Grossbottwar, in south Germany.

Our breeding activities are mainly focused on aromatic herbs, which has been very welcomed by the Indoor farming industry.

Our breakthrough have been numerous this far and we will continue in this direction:

- Basil with improved organoleptic qualities and resistance to specific diseases (Fusarium, Mildew,...).
- Flat and curly parsley with dark colors, uniform leaves and resistance to diseases,
- Chives with an upright growth habit and strong stems, adapted to different storage conditions.

Indoor Breeding should be soon part of the Graines Voltz's story...



## THE FARM



# OUR RANGE OF VARIETIES FOR INDOOR PRODUCTION

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

## BASIL

### LUCIA



Lucia is a basil with flat, slightly dome-shaped leaves. It is compact, with short internodes and very robust. Lucia has a long shelf life. Lucia is very good for cut production.



### GUSTOSA



Gustosa is a very uniform basil with darker leaves than the other ones. It is very good to be produced in pot.



### LOKI



Loki is our Mildew resistant basil. Leaves are light green. Loki can grow in cooler temperature conditions : it is energy savor for the farm.



### PLUTO



Pluto is a mini leaves basil with a very high yield and a great uniformity, perfect for pot.



## CHIVES



### POLYREX

Polyrex is our new chive that will revolutionize the Indoor cultivation: it does not need to be cutted, it is directly upright and strong.



### POLYUP

Polyup is a dark green chive with a high yield. It is less sensitive to yellow tips than usual.



### POLYVERT

Polyvert is a quick growing chive with a thick stem.



## SORREL

### RED-VEINED SORREL

This is a very beautiful selection of sorrel for Indoor with precise red veins. The taste is sweet and sour.



ALL SEEDS ARE UNTREATED



# CORIANDER

## EAGLE

Eagle is a dark green variety with thin leaves. It is a compact plant that is slow to bolt.



## ATLAS

Atlas is a very productive variety of coriander, with the most compact port.



## SHANGHAI

Shanghai is our quickest indoor coriander variety, with great taste and high yield per square meter. It bolts late and has a compact and upright port.



# CORN SALAD

## FROST

Frost is a dark green variety of corn salad that can be grown in cold conditions and thus save energy for the farm.



## PAUDIUM

Padium is a dark green corn salad with a very upright growth.



# DILL

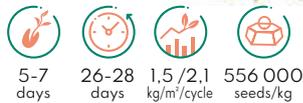
## HERA

Hera is a very late bolting dill with an upright growth and a large leaf mass.



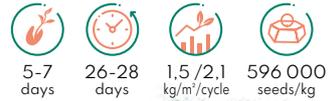
## LENA

Lena is a very dark variety, upright, very good for pot production.



## THALIA

Thalia is very robust, late bolting variety with high yield.



# LEMON BALM

## OFFICINALE

We have a very special selection of lemon balm which grow very compact and upright.



ALL SEEDS ARE UNTREATED



ENERGY-SAVING



GERMINATION IN DAYS



GROWTH CYCLE IN DAYS



YIELD [KG/M<sup>2</sup>/CYCLE]



AVERAGE NUMBER OF SEEDS/KG

# MINT

## SPICATA

This variety is very good one to be sowed. It has excellent taste and good yield.

 9 800 000 seeds/kg



# PARSLEY

## LAICA Flat parsley

Laica is a «Gigante d'Italia» type with large leaves and grows fast. It has a good regeneration capacity.

 5-7 days  26-28 days  3/3,8 kg/m<sup>2</sup>/cycle  782 000 seeds/kg



## DARKI Curled parsley

Darki is a very dark selection of «Moss Curled» parsley. It is easy to harvest due to the extremely upright leaves.

 10-12 days  30-32 days  3 / 3,8 kg/m<sup>2</sup>/cycle  782 000 seeds/kg



## STARLETT Curled parsley

Starlett is a robust «Moss Curled» type with medium rough, curled leaves. Its dark colour and the short cultivation time make a perfect combination. It has a very good shelf life.

 10-12 days  30-32 days  2,5 / 3,3 kg/m<sup>2</sup>/cycle  655 000 seeds/kg



## AFRODITE Curled parsley

Afrodite is a dark variety with a quick development and a very upright port. It is a long keeping quality in pots because of compact growth.

 10-12 days  30-32 days  2,5 / 3,3 kg/m<sup>2</sup>/cycle  770 000 seeds/kg



## LION Flat parsley

Lion is a «Gigante d'Italia» type and ideal combination of large leaves with compact, very stable and upright stems.

 5-7 days  26-28 days  3 / 3,8 kg/m<sup>2</sup>/cycle  380 000 seeds/kg



## LAURA Flat parsley

Laura is an excellent selection of small-leaves basil. Its color is dark green. It is good for cutting and also for pot production. It has a high resistance again downy-mildew.

 5-7 days  26-28 days  3 / 3,8 kg/m<sup>2</sup>/cycle  971 000 seeds/kg



# ROCKET SALAD

## MONTANA

Montana is a robust, dark green variety with finely feathered leaves

 3 700 700 seeds/kg



## VENETIA

Venetia is a selection of type "Eruca sativa" with the serrated leaf shape of wild rocket. It is very quick to grow.

 3-4 days  28-30 days  1/1,2 kg/m<sup>2</sup>/cycle  544 000 seeds/kg



## TOSCANA

Toscana has a dark green, serrated leaf with a slightly broader blade and therefore a higher yield per unit area. It is a tall plant with dark green leaves, late to bloom.

 2-3 days  18-20 days  1,5 / 1,8 kg/m<sup>2</sup>/cycle  4 770 000 seeds/kg



# ROSEMARY

## ROSEMARY

This variety has green and this leaves, and blooms late.

 690 000 seeds/kg



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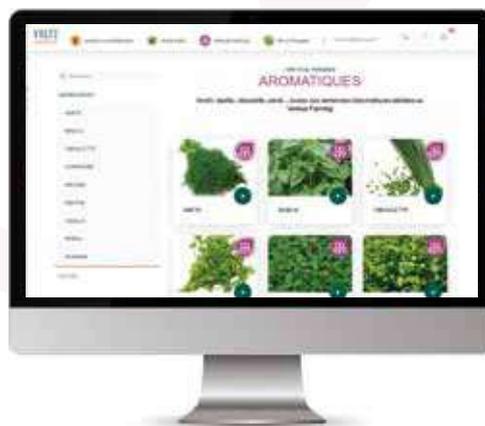
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**OUR USER-FRIENDLY WEBSITE WILL GIVE YOU A QUICK OVERVIEW OF OUR VERTICAL FARMING DIVISION AT GRAINES VOLTZ : FIND INFORMATION ABOUT OUR VARIETIES, OUR SEEDS QUALITY AND OUR LATEST DEVELOPMENTS**

Find us on:

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