



LEAFY

FOR **HYDROPONIC**
PRODUCTION AND **VERTICAL**
FARMING

 Experience the
Leafy choice



VILMORIN-MIKADO, VILMORIN-MIKADO, A NEW GLOBAL DIMENSION!

Vilmorin is a brand of **Vilmorin-Mikado**, which is a Business Unit of Limagrain, integrating the activities of Vilmorin (French seed company) and Mikado Kyowa Seed (Japanese seed company).

Vilmorin-Mikado is a global seed business unit which has strong bases spread over the five continents; it offers a wide, unique and original high-quality range to all professionals in the vegetable industry.

Everywhere, closer to you.



Close to the rapid evolution of the market, **Vilmorin-Mikado** offers a full range of high quality Leafy seeds. Its dedicated teams develop innovations adapted to the entire industry.

WHAT DOES HYDROPONIC PRODUCTION AND VERTICAL FARMING MEAN?

Today, consumers are more and more attracted to clean, healthy and tasty products. That is why hydroponic production is gaining popularity worldwide. One of the most popular plants to grow in a hydroponic system and Vertical farming is leafy green vegetables like lettuce. Vilmorin-Mikado, as a major global Leafy Player, has in his portfolio several varieties suitable for these growing systems.

VARIETIES SUITABLE FOR HYDROPONIC SYSTEMS AND VERTICAL FARMING

The varieties suitable for hydroponic production have the following benefits:

Color intensity

Uniformity
of the shape
and the crop



Fast and compact
growth

Tip Burn tolerance



IN VERTICAL FARMING or Plant Factory we grow crops in a total closed controlled environment (artificial light, temperature, CO2...) and plants are growing mainly vertically in stacked layers.

HYDROPONIC PRODUCTION is a method of growing plants without soil, by using instead mineral nutrient solutions in a water solvent. Several techniques of hydroponics with partial controlled conditions are existing. It can be open or closed systems with or without artificial light.



HYDROPONIC PRODUCTION AND VERTICAL FARMING WORLDWIDE

USA

Various CEA (Controlled Environment Agriculture) farms are created all over the U.S. and Canada.

CHINA

Already 10 farms and 160 will be built in the coming years.

JAPAN

More than 200 vertical farms.

TAIWAN

100 vertical farms.

BRAZIL

Urban farming with basic hydroponic systems is gaining popularity in Brazil.

90%
of the vertical
farms are in
Asia

NEWCUT /// MF6914

- Typology: Multileaf type Lollo.
- Leaves: Very curly and incised.
- Shape: Very compact.

RESISTANCE:
HR: BI:16-35EU

CELESTI ///

- Typology: Butterhead.
- Leaves: Smooth leaves.
- Shape: Well balanced, half open to open head, intermediate to large volume.

RESISTANCE:
HR: BI:16-34,36EU / Nr:0
IR: LMV

LIRICE /// BVP30173

- Typology: Batavia.
- Leaves: Thick leaves, curly tips.
- Shape: Open type, intermediate volume, very beautiful shape.

RESISTANCE:
HR: BI:16-28,30-32,36EU / Nr:0
IR: LMV

TONALE /// BVP30173

- Typology: Batavia.
- Leaves: shiny blond leaves.
- Shape: good volume and nice shape, half open type.

RESISTANCE:
HR: BI:16-25,27,28,30-32,34,36EU

EXQUISE ///

- Typology: Batavia.
- Leaves: Light green shiny leaves.
- Shape: Half erected, open type.

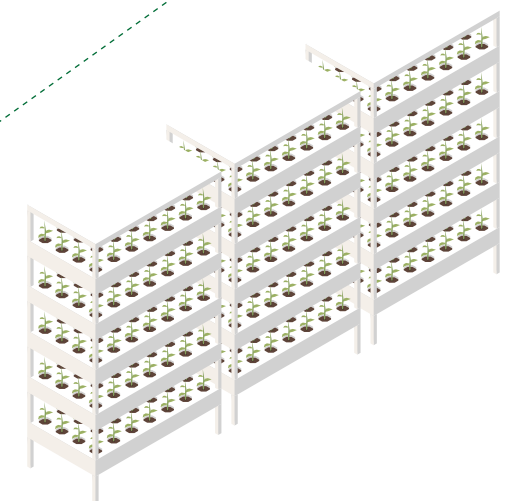
RESISTANCE:
HR: BI:16-28,30-32EU
IR: LMV / Fol1

MENTHOLE /// BVA8542

- Typology: Batavia.
- Leaves: Very serrated nice leaves.
- Shape: Intermediate volume.

RESISTANCE:
HR: BI:16-36EU / Nr:0

BLOND TYPE



MIGNONE /// BVP15232

- Typology: Batavia.
- Leaves: Curly leaves.
- Shape: Intermediate plant volume, rustic.

RESISTANCE:
HR: BI:16-36EU / Nr:0
IR: LMV

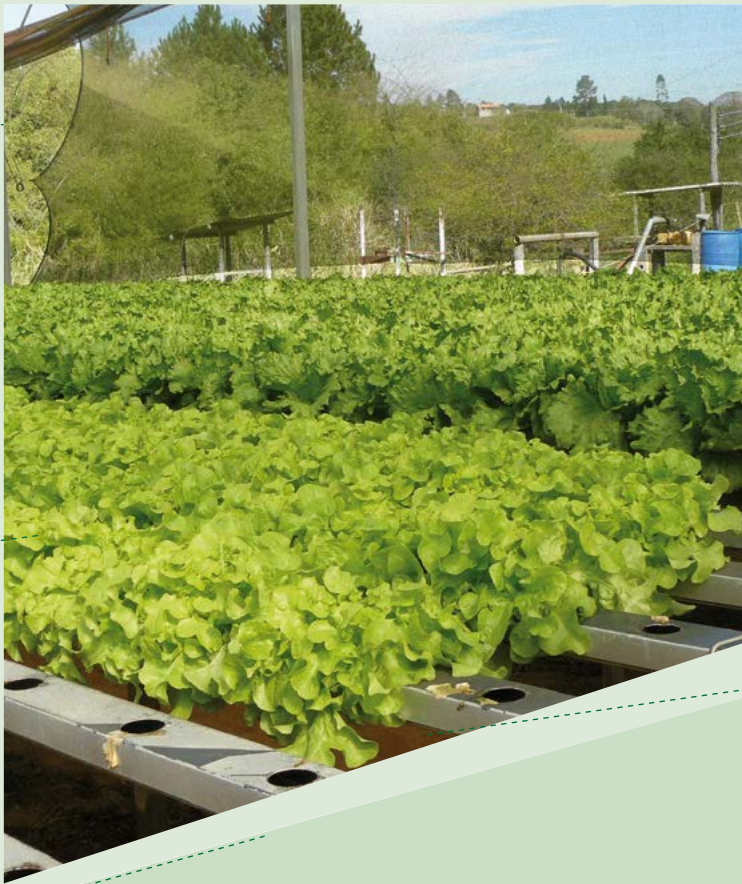


BLOND TYPE

NAVARONE /// BVP6179

- Typology: Batavia.
- Leaves: Thick leaves with bright color.
- Shape: Heavy head, open type, well balanced.

RESISTANCE:
HR: BI:16-28,30-32EU



MARADONE /// BVP1170

- Typology: Batavia.
- Leaves: Thick leaves with attractive color.
- Shape: Very well balanced.

RESISTANCE:
HR: BI:16-32,34,36EU / Nr:0
IR: LMV / Fol1

QUATOR /// DIP10387

- Typology: Oakleaf.
- Leaves: Intermediate leaf size with shinny green.
- Shape: Good volume.

RESISTANCE:
HR: BI:16-32,34,36EU / Nr:0



QUITO /// DIP10851

- Typology: Oakleaf.
- Leaves: Mid-blond green shinny leaves. Blistered leaves with intermediate lobes.
- Shape: Good volume.

RESISTANCE:
HR: BI:16-36EU / Nr:0
IR: LMV

PADAWANE /// DIA8964

- Typology: Oakleaf.
- Leaves: Smooth leaves and intermediate lobes.
- Shape: Well balanced.

RESISTANCE:
HR: BI:16-36



MATINALE /// BVA352

- Typology: Batavia.
- Leaves: erected thick and blistered leaves.
- Shape: Open type.

RESISTANCE:
HR: Bl:16-25,27,28,30-32,34EU

MKS-L501G (DV) ///

- Typology: Large Romaine.
- Leaves: Huge leaves.
- Shape: Medium size, good weight.

RESISTANCE:
IR: Fol2

YAMBU /// ROM19247

- Typology: Romaine.
- Leaves: Thick and shiny dark green leaves.
- Shape: Medium size, closed head.

RESISTANCE:
HR: Bl:16-36EU / Nr:0

MKS-L502G ///

- Typology: Butterhead.
- Leaves: dark green leaves.
- Shape: Unique shape, loose heading compact lettuce.

SUCRETTE /// ROM20201

- Typology: Mini Romaine.
- Leaves: Thick and blistered leaves.
- Shape: Half open head, medium size and good weight.

RESISTANCE:
HR: Bl:16-29,32,34EU
IR: LMV:1

INTERCUT /// MF15012

- Typology: Multileaf.
- Leaves: Medium thick and crunchy leaves, fine stem, finely serrated leaves up to the basis. Excellent leaf size uniformity.
- Shape: Semi-flat shape, large head.

RESISTANCE:
HR: Bl:16-32,36EU / Nr:0

QUECHUA /// DIP8314

- Typology: Oakleaf.
- Leaves: Dark green leaves.
- Shape: Well balanced.

RESISTANCE:
HR: Bl:16-32,34,36EU / Nr:0
IR: LMV

BVA3883 ///

- Typology: “Reine des glaces” type.
- Leaves: Smooth foliage and serrated thick leaves (like iceberg).
- Shape: Nice shape.

RESISTANCE:
HR: Bl:16-32,34EU / Nr:0

OFELIA ///

- Typology: Butterhead.
- Leaves: Thick dark green leaves with nice internal yellow white color.
- Shape: Good size.

RESISTANCE:
HR: Bl:16-30EU

DARK
GREEN
TYPE



ALCALINE /// DIPA11111

- Typology: Oakleaf.
- Leaves: Serrated leaves with brown red color.
- Shape: Large head.

RESISTANCE:
HR: BI:16-36EU / Nr:0
IR: LMV

CREPINE /// DIP11773

- Typology: Oakleaf.
- Leaves: Brown red color leaves.
- Shape: Volume and weight.

RESISTANCE:
HR: BI:16-33EU / Nr:0
IR: LMV

BUZZCUT /// MFA14661

- Typology: Multileaf.
- Leaves: Curly leaves.
- Shape: Nice shape.

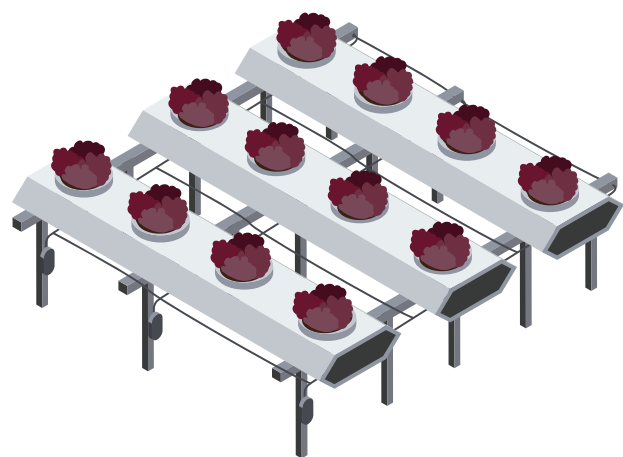
RESISTANCE:
HR: BI:16-36EU / Nr:0

NIGHTCUT /// MFA7176

- Typology: Multileaf.
- Leaves: Fine leaves with good size.
- Shape: Good size.

RESISTANCE:
HR: BI:16-36EU / Nr:0

RED
TYPE



M16-006 (DV) ///

- Taste: Spicy taste.
- Typology: Mizuna.
- Leaves: Green shiny leaves.



UPLAND CRESS ///

- Taste: Sweet and unique cress taste.
- Typology: Garden Cress.
- Leaves: Small dark oval leaves. Fines stems.



WASABI ///

- Taste: Hot and spicy taste similar to wasabi.
- Typology: Wild Rocket.
- Leaves: Thick and erected leaves with fast growing.



TASTY RANGE

PRIMUM ///

- Taste: Intense aromatic taste.
- Typology: Dill.
- Leaves: Dark green foliage.



RED PANDA ///

- Taste: Sweet with an acid tone.
- Typology: Sorrel.
- Leaves: Medium green leaves with bright red vein.



BABY LEAVES AND HERBS



KX1///

- Shape and Color: Innovative red kale with unique 3D frilly shape.
- Typology: Siberian kale.
- Leaves: Dark red wine incised and frilly leaves.



KX2 DV///

- Shape and Color: Innovative green kale with unique 3D frilly shape.
- Typology: Siberian kale.
- Leaves: Light green incised and frilly leaves.



RUBY RED///

- Shape and Color: Dark green leaves with intense red vein.
- Typology: Red Chard.
- Leaves: Smooth and uniform leaves.



DEA///

- Shape and Color: Dark red color.
- Typology: Amaranth.
- Leaves: Dark red oval leaves.



FORTESSA/// BB10693

- Shape and Color: Dark bright green.
- Typology: Lettuce.
- Leaves: Thick and curly leaves.



COLORFUL RANGE

ORIGINAL SHAPE AND COLOR



RUBRA///

- Shape and Color: Dark color.
- Typology: Garden orach.
- Leaves: Red leaves with good texture.



TERSUS///

- Shape and Color: Nice round shape leaves.
- Typology: Tat Soi.
- Leaves: Thick and smooth leaves.



BARBAROSA///

- Shape and Color: Shiny dark red leaves.
- Typology: Mustard.
- Leaves: Uniform red leaves.



RUBENS///

- Shape and Color: Unique bright dark red color.
- Typology: Bulls Blood.
- Leaves: Uniform red leaves.



■ **Catherine MOULENAT**

Leafy & Large seeds Portfolio Lead

catherine.moulenat@vilmorin.com

YOUR
KEY
CONTACTS



■ **Emilie GAUVRIT**

Baby Leaves & Spinach Product Manager

emilie.gauvrit@vilmorin.com



Vilmorin SA

Route du Manoir - 49250 LA MÉNITRÉ - FRANCE

T. +33 (0)2 41 79 41 66 - F. +33 (0)2 41 79 75 41

vilmorinmikado.com

Capital social 12 031 907 € - SIREN 562 050 864 RCS Angers
APE 0113Z/Carte professionnelle GNIS n°002707