



BREEDING
THE FUTURE

CATALOGUE

BABY LEAF



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WHERE INNOVATION IS SOWN, EXCELLENCE IS HARVESTED

MARALDI SEMENTI SINCE 1958

Maraldi Sementi is an **independent**, family owned seed Company. It is active in the breeding and production of vegetable seeds specializing in both onion and baby leaf crops.

The company started **over 60 years ago** in seed production and has evolved into a vertically integrated company **from breeding, production, seed processing** and **distribution** in most of the key growing regions.

The recent expansion of the production plant includes in particular a new high tech experimental greenhouse and a large indoor warehouse with a temperature controlled robotized area.



BREEDING THE FUTURE

Maraldi's investment in R&D has led to innovative and unique genetics that is recognized as one of the industry leaders in baby leaf crops. We have been pioneers in crops like wild rocket, chards and oriental brassica.

We are proud of our research activity that has led to the introgression of major pest resistance genes and positive phenotypic traits for the growers and salad processing industry.

360°

The Maraldi family has been in the seed business for 3 generations. The company has always supplied quality seeds due to the direct control of all activities, from research and development, seed production, seed processing and sales. This has allowed the company to enjoy a tremendous operational efficiency which results in reliable, quick and flexible services for our customers.





LETTUCE

Maraldi lettuce varieties has a high level of resistance to downy mildew (*Bremia lactucae*), obtained from a continuity of state of the art breeding activities. Leaf thickness, shelf-life, versatility and productivity are our hallmarks of great performing varieties and leads to great leaf processing and recovery preserving the highest quality to the final consumer.



LUCILLA

- Early cycle
- Very erect plant, suitable for cold climate conditions
- Bright green leaf color, good leaf thickness
- (HR) BL:16-40EU/1-9US



MSX 19370

- Early vigorous variety for cool season
- Thick leaf with a dark bright green color
- Slightly waved margin, very high yielding
- (HR) BL: 16-39EU/1-9US



ATHENS

- Medium early cycle
- Very thick leaf with good flexibility, exceptional shelf life
- Medium green color with finely incised margin, erect leaf with a narrow petiole
- High yielder
- (HR) BL: 16-39EU/1-9US
- (HR) Nr:0



CPVO Variety Protection Applied For

AFRODITE

- Medium late cycle
- Very thick leaf with excellent shelf-life
- Intense green color with finely incised margin, holds well in the field in warm weather
- (HR) BL: 16-39EU/1-9US



CPVO Variety Protection Applied For



NAOMI

- Medium early cycle
- Uniform triple red leaf color, good texture
- Flexible variety with wide production window
- (HR) BI:16-40EU/1-9 US



FRECCIAROSSA

- Early cycle
- Great choice for cool season due to the high vigor, dark color and excellent texture
- Very erect narrow leaf, it stays in specification for a long time (doesn't oversize)
- (HR) BI: 16-39EU/1-9US

CPVO Variety Protection Applied For



RED CANDY (MSX 19155)

- Medium-early cycle
- Suitable for all year round production
- Thick dark red leaves with a high dry matter content with texture similar to the Iceberg type
- Very erect plant, narrow leaf with exceptional uniformity at maturity
- (HR) BI: 16-40EU/1-9US



FOSCA (MSX 19096)

- Flexible variety suitable for all growing cycles
- Medium red color intensity, thick leaf with slightly waved margin
- Very innovative thanks to the high tolerance to fusarium races 1 and 4 together full downy mildew resistance
- (HR) BI: 16-40EU/1-9US
- (IR) Fol:1, 4

CPVO Variety Protection Applied For



OXANA

- Medium cycle
- Darkest red color in portfolio
- Keeps a dark color in warm conditions
- Great leaf thickness with a nice waved margin
- (HR) BI:16-39EU

CPVO Variety Protection Applied For



ADRIA (MSX 19307)

- Early cycle
- Fast growing red romaine with cherry color
- Erect and narrow leaf
- (HR) BI: 16-40EU/1-9US



NOVENTA

- Medium growing cycle
- Red romaine with deep red color
- Thick leaf with round tip, it has good yield and excellent leaf quality
- (HR) BI: 16-40EU/1-9US

CPVO Variety Protection Applied For



ESTE (MSX 18475)

- Early cycle
- Green romaine with narrow leaf and rounded tip
- Great yielder
- (HR) BI: 16-40EU/1-9US
- (IR) Fol:1

CPVO Variety Protection Applied For





RED TIP

- Early cycle
- Red oakleaf with slender leaf
- Uniform lobes
- (HR) BI: 16-39EU/1-9US

CPVO Variety Protection Applied For



KAORI (MSX 216312)

- Medium early variety
- Intense Triple red color with nice rounded lobes
- Suitable for all year round production
- (HR) BI: 16-40EU/1-9US



ROSSANA

- Late cycle
- Very dark red oakleaf with great leaf thickness, rounded lobes
- Holds great quality in warm conditions
- (HR) BI: 16-40EU/1-9US



GREEN TIP

- Early cycle
- Bright green slender oakleaf with thick, medium sized lobes
- Erect and long petiole, grower friendly variety
- (HR) BI: 16-39EU/1-9US

CPVO Variety Protection Applied For



MSX 19353

- Medium quick cycle
- Tango type with deeply incised leaf, 3D shaped, dark green color
- Great thickness, a good bag filler, ideal for summer cycle
- (HR) BI: 16-39EU/1-9US



TWIST (MSX 19399)

- Medium cycle
- Green tango type with deeply incised leaf with the crunchiness of the iceberg
- Great bag filler, crunchy and hardy leaf that processes well.
- (HR) BI: 16-40EU/1-9US

CPVO Variety Protection Applied For



GREEN ROCKET

- Medium cycle
- Very thick and crunchy leaf with incised margin
- Slender leaf with long slender petiole
- Stay in specification, suited for multiple cuts
- Match very well with Red Rocket
- (HR) BL: 16-40EU/1-9US



ICEBEAT (MSX 18485)

- Medium cycle
- Baby iceberg with deeply incised margin and great crunchiness
- Dark green leaf, narrow petiole – great 3D leaf
- (HR) BI: 16-40EU/1-9US

CPVO Variety Protection Applied For





MSX21483

- Medium early cycle
- Baby iceberg with superb uniformity and leaf quality
- Nice indented leaf margin, suitable for all seasons
- (HR) BL:16-40EU/1-9US



FIREBEAT (MSX 20771)

- Medium early variety
- Wonderful iceberg type leaf with deep incised margin
- A combination of texture, vigor and an intense cherry red color
- (HR) BL: 16-40EU/1-9US

CPVO Variety Protection Applied For



RED ROCKET (MSX 18169)

- Medium cycle
- Triple red leaf with incised margin, great texture
- Slender leaf with long slender petiole
- Stay in specification, suited for multiple cuts
- (HR) BL: 16-40EU/1-9US

CPVO Variety Protection Applied For



RED SHAKE (MSX 21366)

- Medium growth
- "Tango" type with deeply serrated leaf
- Great texture, nice 3D leaf structure
- Intense triple red color
- (HR) BL: 16-40EU/1-9US

CPVO Variety Protection Applied For



LOLA

- Early growing cycle
- Baby leaf lollo red with excellent vigor and good triple red color penetration
- (HR) BL:16-40EU/1-9US





WILD ROCKET

Maraldi was one of the first Company to develop true **hybrid rockets** (Diplotaxis), which bring increase productivity and good tolerance to diseases. Leaves are more uniform and plants are more vigorous giving superior yield and great product appeal.



NEMI F1 (MSX84121)

- Quick growing cycle
- Erect plant, very uniform
- High vigor and yield, suitable for cool season
- Nice leaf serration



YETI

- Early cycle
- Erect plant, good ratio earliness/leaf quality
- Good leaf count in cool condition
- Medium green leaf finely incised



MSX 178083 F1

- Quick growth cycle
- Rustic variety with deep root system
- Dark green thick leaf with broad lobes which made it unique and high yielder
- Good bolting tolerance



AMAZON F1 (MSX 84122)

- Quick growth
- Hybrid variety with great vigor
- Very erect plant, thick and narrow leaf
- Appealing leaf, very well serrated with dark green color



RUBICON F1 (84110)

- Early cycle
- Innovative, it has a beautiful leaf that is very well serrated
- Dark green color, highly vigorous
- Very attractive 3D leaf, above average yield



SELE F1 (84000)

- Medium early cycle
- Highly innovative, one of the first hybrid rockets developed
- High leaf count, great uniformity, above average yield
- Dark green leaf very well serrated with medium sized lobes, 3D shaped, very turgid with high percentage of solids
- Tolerant to downy mildew

CPVO Variety Protection Applied For



JUNO

- Medium early cycle
- Low susceptibility to downy mildew
- Very erect and long petiole, very uniform for mechanical harvest
- Very dark dull green color, medium sized smooth lobes
- Great shelf life, holds well against yellowing on storage

CPVO Variety Protection Applied For



EXTREMA

- Medium cycle
- uniform variety that combine quality and yield
- Finely incised leaf

CPVO Variety Protection Applied For



SAHARA

- Late cycle
- Very dark green with great texture
- Slow growing with a high percentage of solids in the leaf
- High fusarium tolerance and bolting tolerance
- Suitable for summer cycle



GOBI (16K)

- Late cycle
- Excellent leaf serration since first cut
- Suitable for summer cultivation due to its strong bolting and high fusarium tolerance



BEST CHOICES AGAINST DOWNY MILDEW

YUMA

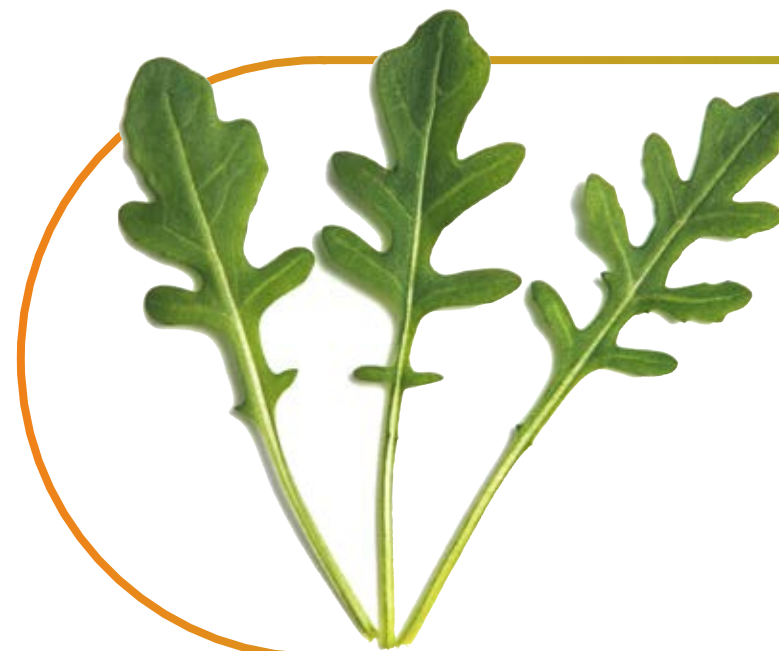
- Medium quick growing variety
- Great innovation, **high tolerance to downy mildew** and vigorous growth
- Thick leaf, it give great yield on first cut
- Erect plant, good leaf serration with bright dark green color, good bolting tolerance

CPVO Variety Protection Applied For



IMPERIAL (MSX17042)

- Slow growing variety
- Very slow bolting suitable for full summer production
- Dark green and thick leaf, outstanding quality
- Downy mildew tolerant





SWISS CHARD

Maraldi has a wide chard portfolio with very attractive leaf, improved leaf quality, high yielding ability.



RHUBARB CHARD SIRIO

- Slow growing
- Good leaf texture
- Dark green, savoy leaf with a bright red stem and vein



RHUBARB CHARD PLUTON

- Medium early cycle
- Good vigour
- Medium green leaf with red stem and veins



VENUS F1

- Early cycle
- Extraordinary thick leaf, holds well against bleeding and spotting
- Erect leaf for a very uniform cut
- Above average yield



MSX101015 F1

- Medium early cycle
- Vigorous red chard with thick bright green leaf and intense red stem
- Hold well in cold condition
- Mainly plurigerm seeds



SWISS CHARD

BABY LEAF



JUPITER F1

- Medium early cycle
- Nice contrast between deep red vein and bright green rounded leaf
- Very thick leaf and great consistency
- High uniformity and very high yield



ORANGE CHARD

- Medium cycle
- Savoy leaf with yellow stem and veins
- A nice added color to any salad mix



CERES F1

- Quick growing green chard variety
- Suitable both for baby leaf, teen and industry
- Erect, thick leaf and very uniform
- Mainly monogerm seeds
- Hold well against cercospora



IN1415 F1

- Early cycle
- Vigorous green chard
- Hold well against leaf yellowing
- Erect plant, suitable for all year round production



PERPETUAL SPINACH

- Medium early cycle
- Green leaf and stem, erect and long petiole
- Suitable for both industry and baby leaf production



BULL'S BLOOD ARTICA

- Early cycle
- Vigorous variety with dark red color under cool conditions
- Elongated leaf shape, erect plant



BULL'S BLOOD

- Intermediate growth variety
- Excellent uniformity
- It has good vigor and uniform red color, for transition months



MSX 21087

- Early Cycle
- Vigorous variety, with intense dark red color also in mild climate conditions
- Erected plant



TORO ROSSO

- Slow growing variety
- Triple red colored leaf, intense and persistent in warm conditions
- Great choice for adding intense color to any salad mix

CPVO Variety Protection Applied For



SWISS CHARD

BABY LEAF



BRASSICAS

Maraldi developed a diverse range of brassicas suitable for baby leaf production with many *appealing phenotypic traits*. The breeding activity aims to introduce varieties with added value and healthy products consumer are look for.



MIZUNA GREEN

BRASSICA RAPA VAR. JAPONICA

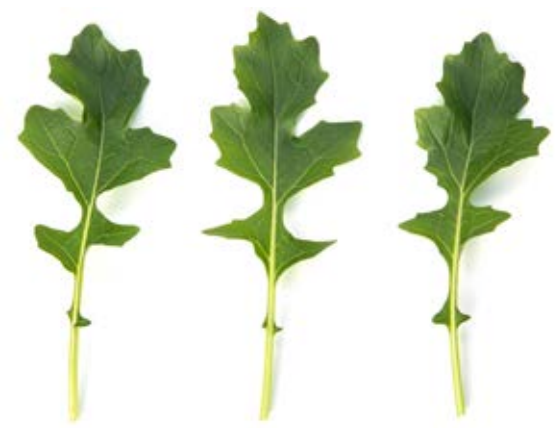
- Early cycle
- Erect leaf, thick leaf with good yielding potential
- Green leaf with mediumly serrated margin



MIZUNA EARLY

BRASSICA RAPA VAR. JAPONICA

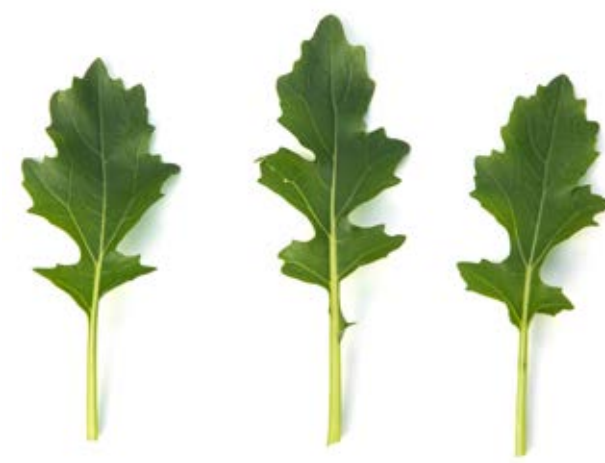
- Medium early cycle
- Dark green leaf with nice indented leaf



MIZUNA GREEN FALCON (MSX 19042)

BRASSICA RAPA VAR. JAPONICA

- Quick mizuna with exceptionally leaf thickness
- Nice bright green leaf color
- Good leaf serration, suitable for multiple cuts
- It give yield over the average



MIZUNA GREEN EAGLE (MSX 19038)

BRASSICA RAPA VAR. JAPONICA

- Slow growing with unique texture
- Very dark green color
- Yield and quality on summer growing cycle



MIZUNA EXTRA FRIZEE

BRASSICA RAPA VAR. JAPONICA

- medium cycle
- the deeply incised leaf make it attractive on salad mix
- medium green colour



MIZUNA RED WARRIOR F1

BRASSICA RAPA VAR. JAPONICA

- Early growing cycle
- Good leaf thickness, red color intensity and earliness
- Improved version of Red Velvet F1



MIZUNA SUNRISE F1

BRASSICA RAPA VAR. JAPONICA

- Medium cycle
- Innovative, very dark purple color with deep leaf serration
- Keeps a good, intense color all year round



TAT SOI GREEN ORTIS

BRASSICA RAPA VAR. ROSULARIS

- Medium cycle
- Spoon shaped dark green leaf



TAT SOI RED SPOON F1

BRASSICA RAPA VAR. ROSULARIS

- Medium cycle
- Medium purple leaf with a nice spoon shape



PAK CHOI RED MOON F1

BRASSICA RAPA VAR. CHINENSIS

- Medium early cycle
- Flexible variety for year-round production
- Intense purple leaf and stem color with good thickness
- Combines great vigor and dark color



PAK CHOI RUBI F1

BRASSICA RAPA VAR. CHINENSIS

- Early cycle
- Suitable for cool growing conditions
- Great vigor and high yielding
- Violet leaf color with a green stem



PAK CHOI WHITE

BRASSICA RAPA VAR. CHINENSIS

- Early cycle
- Very vigorous, erect leaf oval shaped
- Uniform, dark green leaf with white stem





MUSTARD EXTRA RED

BRASSICA JUNCEA

- Medium cycle
- Red Giant type with uniform red color on both sides of the leaf



MUSTARD RED FUEGO

BRASSICA JUNCEA

- Early cycle
- Red Giant type with deep red color and a quick growing cycle



MUSTARD DOUBLE FACE

BRASSICA JUNCEA

- Medium slow cycle
- Very dark red color on both sides of the leaf
- Holds the color in summertime



MUSTARD FRILLY RED

BRASSICA JUNCEA

- Medium early cycle
- Deeply incised leaf of intense purple color



KALE GREEN MSX 374

BRASSICA NAPUS

- Medium-early cycle
- Dark green color, slightly waved leaf margin
- Tolerant to Downy mildew



KALE GREEN IN627 F1

BRASSICA OLERACEA

- Vigorous hybrid with quick cycle
- Kale dwarf green curled type
- Erect plant with excellent uniformity
- Downy mildew tolerant



KALE DWARF GREEN CURLED

BRASSICA OLERACEA

- Medium cycle
- Typical kale type suitable for baby leaf production
- Dark green leaf with waved margin



CAVOLO NERO DI TOSCANA

BRASSICA OLERACEA

- Medium cycle
- Very dark green leaf and savoy
- Uniform selection



KALE SCARLET
BRASSICA OLERACEA

- Medium cycle
- Reddish leaf with wavy margin, darkest color in coolest conditions



KALE RED WAVE F1
BRASSICA NAPUS

- Medium quick cycle
- Violet leaf with nice indented leaf margin
- Attractive leaf, low susceptibility to downy mildew





CORN SALAD

Our corn salad range covers the entire growing season and are suitable both **open field** and **greenhouse** production. The varieties give good performance for growers and processors.



DALI (MSX 18006)

- Very early
- Oval elongated leaf of bright green color
- Erect plant with medium sized cotyledons, strong vigour suitable for production in cool conditions



MANET (MSX20052)

- Medium early cycle
- Bright green leaf color, nice compact rosette with good vigour, high yield ability
- Suitable for autumn and spring



MIRÓ

- Early cycle
- Dark green leaf, good texture and thick veins
- Erect plant type with good holding quality



EXCEL

- Medium cycle
- Dark green leaf type with thick veins, it forms a medium sized rosette
- Small cotyledons, very versatile variety



MATISSE (MSX 18009)

- Slow growing
- Very dark leaf for a compact rosette
- Thick leaves and compact habit make it suited for a summer growing cycle

CPVO Variety Protection Applied For

GOYA (MSX 19011)

- Slow growing
- Nice rosette very compact, thick leaf
- It hold well to overmaturity thanks to the slow growth
- Particularly suitable for summer greenhouse production





SPINACH

Maraldi is working to offer a wider range of spinach varieties with erect plant type for uniform harvest and an attractive dark green color for the consumers.

We are focusing our breeding efforts on a high level of resistance to downy mildew along with a good leaf texture, color and thickness.



ZAGOR F1 (MSX35084)

- Medium early cycle
- Semi savoy leaf with nice bright dark green color, oval shaped
- Excellent resistance package in downy mildew and stemphylium
- (HR) Pfs: 1-19 (IR) Sv



PARKER F1 (MSX35063)

- Medium cycle
- Rounded semisavoy leaf with bright green color, spoon shape
- Suitable for spring /autumn
- (HR) Pfs: 1-19



COYOTE F1 (MSX35048)

- Medium slow growing cycle
- Semi savoy leaf with spoon shape
- Suitable for summer and transition
- (HR) Pfs: 1-19





MSX 35087 F1

- Medium growing cycle
- Semi savoy rounded leaf
- Erect plant with good leaf count and yield potential
- (HR) Pfs: 1-6, 8-19



MSX35077 F1

- Medium early growing cycle
- Very erect plant, nice dark coloured rounded leaf
- Suitable both for baby leaf and bunching
- (HR) Pfs: 1-7, 9-19



MSX 30159 F1

- Medium early cycle
- Very dark green leaf with attractive round shape
- Erect plant type and semi-horizontal cotyledons for an uniform cut
- (HR) Pfs: 1-7, 11, 13, 15, 16



MSX 40001 F1

- Medium slow growing cycle
- Attractive very dark green leaf color
- Leaf thickness over the average
- High bolting tolerance
- Suitable both for baby leaf and bunching
- (HR) Pfs: 1-8, 11, 12, 14-16



DEFINITIONS

Immunity

Means not subject to attack or infection by a specified pest or pathogen.

Resistance

Is the ability of a plant variety to restrict the growth and development of a specified pest or pathogen and/or the damage they cause when compared to susceptible plant varieties under similar environmental conditions and pest or pathogen pressure. Resistant varieties may exhibit some disease symptoms or damage under heavy pest or pathogen pressure.

Two levels of resistance are defined:

High resistance (HR)

Plant varieties that highly restrict the growth and development of the specified pest or pathogen under normal pest or pathogen pressure when compared to susceptible varieties. These plant varieties may, however, exhibit some symptoms or damage under heavy pest or pathogen pressure.

Intermediate resistance (IR)

Plant varieties that restrict the growth and development of the specified pest or pathogen, but may exhibit a greater range of symptoms or damage compared to highly resistant varieties. Intermediately resistant plant varieties will still show less severe symptoms or damage than susceptible plant varieties when grown under similar environmental conditions and/or pest or pathogen pressure.

Susceptibility

Is the inability of a plant variety to restrict the growth and development of a specified pest or pathogen.

RESISTANCE CODES

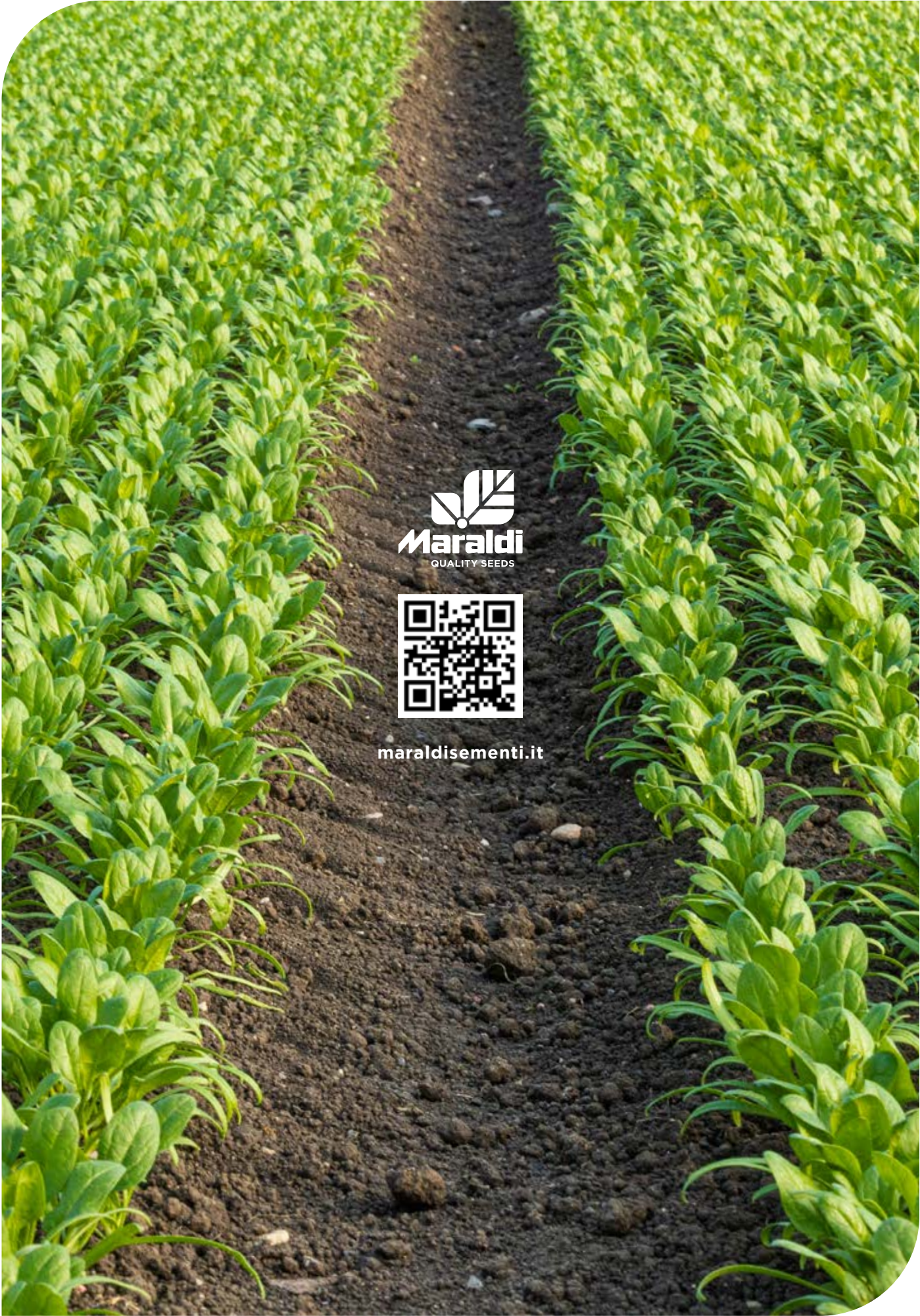
Bl: *Bremia lactucae* (Downy mildew)

Fol: *Fusarium oxysporum f. sp. lactucae* (Fusarium wilt)

Nr: *Nasonovia ribisnigri* (Lettuce leaf aphid)

Pfs: *Peronospora farinosa f. sp. spinaciae* (Downy mildew)

Sv: *Stemphylium vesicarium*





BREEDING THE FUTURE





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