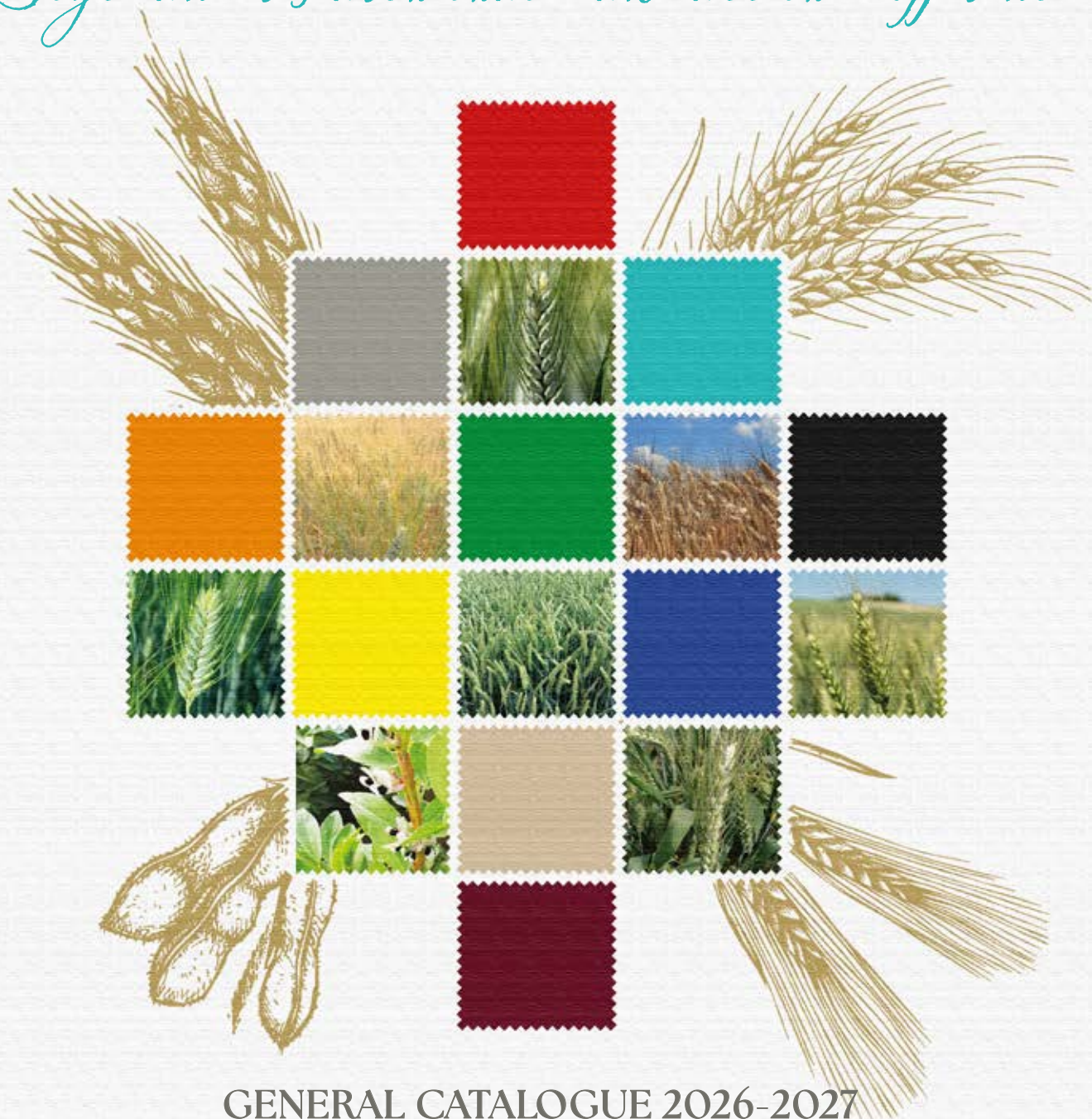




SOCIETÀ
PRODUTTORI
SEMENTI S.p.A.

THE ATELIER OF SEED SINCE 1911

Style and research that make all the difference!



GENERAL CATALOGUE 2026-2027

Introduction

With this year's theme, we wanted to showcase our corporate image to the full, drawing inspiration from the colour palettes of haute couture – the hallmarks of some of the world's leading fashion houses, renowned as symbols of quality, innovation and excellence.

We have therefore distinguished our product categories with colours that evoke innovation and style, utilising the layout of a classic fabric swatch – reminiscent of the traditional canvas grain sack – featuring a 'tailored' square with precisely cut edges; the textured effect of the fabric has been applied to every single page of the catalogue.

For this new campaign, the company has sought a communication style that draws on the world of haute couture and historic boutiques that have made their mark in terms of R&D, selection and high-quality production. The content of our catalogues therefore represents a 'gallery' of products where excellence and quality make all the difference in the field.

For us, the constant pursuit of innovation also lies in a different and original way of communicating the product, which for our company is the cornerstone of high quality – the hallmark of a great historic Italian brand that has borne the name 'PSB' since 1911.





PSB Demo fields 2026 "Az. Agr. I fiori dell'Etna" (Sicily)

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2026-2027

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Carbon Footprint



The fight against climate change inevitably involves reducing carbon dioxide in the atmosphere.

Assessing environmental sustainability for agricultural businesses, including those that integrate agricultural activity with bioenergy production (biogas-biomethane), is an increasingly essential and indispensable requirement for several reasons:

- It is required by European legislation to qualify bioenergy as sustainable.
- Agriculture plays a strategic role in achieving climate objectives for reducing the impacts of related production chains.
- Sustainable agricultural production is one of the milestones of the European Union's agricultural policy.
- Sustainability of production is increasingly a requirement for market competitiveness.

Società Produttori Sementi, together with its partners Agrostaf and BASF, has undertaken, starting with the 2024/25 campaign, **Sustainable Agronomic Processes (SAPs)** with the aim of defining and mapping a sustainable supply chain that begins with genetics and ends with seed production.

Calculating a product's **carbon footprint** is the first step to understanding its impact on climate change. However, this is not enough: it's essential to try to reduce this impact over time. Reducing this impact involves virtuous actions that reduce consumption and reducing consumption also means reducing production costs.

Aiming this goal, Società Produttori Sementi is strongly working for the benefit of the environment, the agricultural sector, the processing industry, and therefore consumers.

The Sustainable Agronomic Paths (SAPs) began in the 2024/25 campaign with the implementation of a series of experimental trials involving two durum wheat varieties, MASCARINO and VERACE, in three different geographical areas: Southern, Central, and Northern Italy.

In 2025/2026, the Sustainable Agronomic Paths (SAPs) were improved by introducing several varieties of strong (FF) and bread-making (FP) soft wheat into different and several experimental trials fields.



Durum Wheat



Durum Wheat

PRODUCT RANGE SUMMARY

Variety	Cicle	Type	Yield	Proteins	Gluten	Colour
Achille	M	PR	★★★★★	★★	★★★★★	★
Amarcord	L	PR	★★★★★★	★★★★	★★★★★	★★
Aureo	E	SQ	★	★★★★★★	★★★★★★	★★
Egeo	E	Q	★★★★★	★★★★★	★★★★★	★★
Fedele	E	PR	★★★★★★	★★	★★	★★★★★
Felsina	M	Q	★★★★★	★★★★★	★★★★★	★★★★
Fuego	M	PR	★★★★★	★★★★	★★	★★★★
Gattopardo	E	PR	★★★★★	★★	★★★★★	★★
Giglio	L	Q	★★★★	★★★★	★★★★★	★★★★★
Intenso	L	Q	★★★★	★★★★★★	★★★★	★★★★★★
Iride	E	PR	★★★★★	★★	★★★★	★★
Mascarino	M	Q	★★★★	★★★★★	★★★★★★	★★★★★★
Minosse	M	Q	★★★★	★★★★★	★★★★	★★★★
Odisseo	M	PR	★★★★★★	★★★★	★★★★	★★★★
Puro	M	Q	★★★★	★★★★★★	★★★★★★	★★★★
San Carlo	L	Q	★★	★★★★★★	★★★★★	★★★★
Saragolla	E	PR	★★★★★	★★	★★★★★★	★★
Secolo	E	PR	★★★★★★	★★	★★	★★★★
Segugio	L	PR	★★★★★★	★★★★	★★★★★	★★★★★★
SY Atlante	M	PR	★★★★★	★★★★	★★★★★	★★★★★
SY Leonardo	E	PR	★★★★★★	★★★★	★★★★★★	★★
SY Nilo	E	PR	★★★★★★	★★	★★★★	★★
Svevo	E	Q	★★★★	★★★★★★	★★	★★★★★
Telemaco	E	Q	★★	★★★★★	★★★★	★★
Verace	M	Q	★★★★	★★★★★	★★★★	★★★★★
Zante	M	PR	★★★★★	★★★★	★★	★★

L Late
M Medium
E Early



PR: Productive



production
and quality

Q: Qualitative



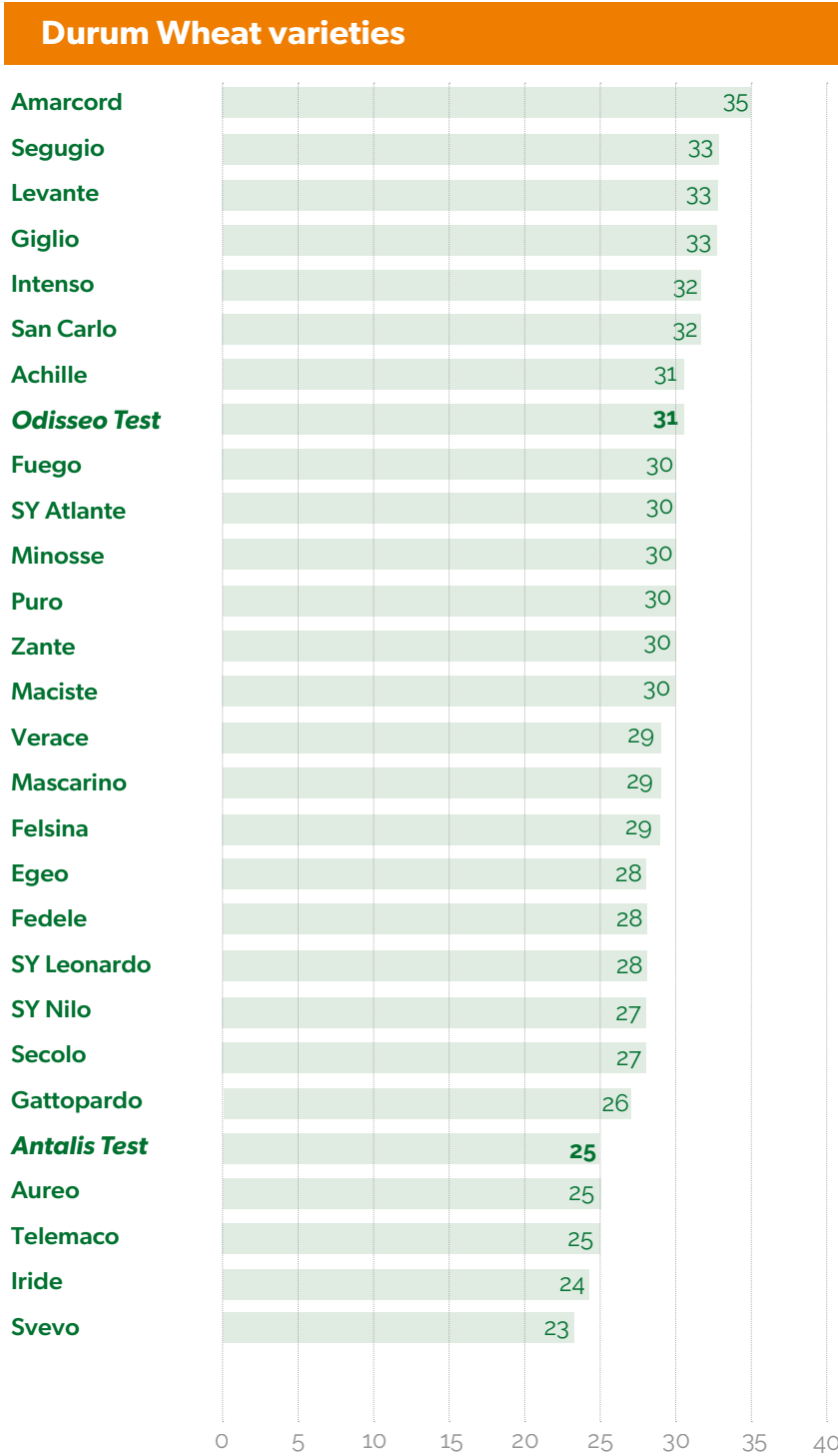
SQ: Super-qualitative

Vitosity	Specific weight	Tolerance to pathologies	Bunching capacity	Ease of cultivation	Response to inputs
★★★★	★★★★	★★★★★	★★★	★★★★★	★
★★	★★★★★★	★★★★★	★★★★★	★★★★★★	★★★★★★
★★★★★★	★★	★★	★★★	★★	★★★★
★★★★★	★★★★★★	★★★	★★★	★★★★★	★★★★★
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★★★★	★	★★★★	★★★★★★	★★★★	★★★★★

- ★ Poor
- ★★ Average
- ★★★ Good
- ★★★★ Very good
- ★★★★★★ Excellent

Harvesting Season

in days from 1st April



Sowing areas

RANGE






Central-south



All areas



Central-north

	Early cycle	Medium cycle	Late cycle
 <p>high productivity</p>	<p>Fedele Gattopardo Iride SY Leonardo SY Nilo</p>	<p>Achille Fuego Odisseo SY Atlante Zante</p>	<p>Amarcord Segugio</p>
 <p>production and quality</p>	<p>Egeo Svevo Telemaco</p>	<p>Felsina Mascarino Minosse Puro Verace</p>	<p>Giglio Intenso San Carlo</p>
 <p>high quality</p>	<p>Aureo</p>		



Durum Wheat

Achille



“The workhorse”

Key strengths

A guarantee for the production

Good tolerance to fusarium

Production reference in organic agriculture



Sowing recommendations

Seeding rate: 206-233 kg/ha

Seeding density:
(germinable seeds/m²) 370-420

Notes:
Suitable for all growing conditions



Sowing area
All areas

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	good
Awn color	brown

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium tolerance
Septoria	medium tolerance
Head blight Fusarium	tolerant

Qualitative Traits

Thousand Grain Weight (TGW)	low
Hectolitre weight	good
Vitreousness	good
Protein content (%)	medium >12%
Gluten index	excellent
Semolina color intensity	low

Durum Wheat

Amarcord



“An Oscar-worthy durum wheat!”

Key strengths

Exceptional productivity in fertile areas

The quality of the supply chain without compromises

Good tolerance to DON accumulation



Sowing recommendations

Seeding rate: 188-214 kg/ha
 Seeding density:
 (germinable seeds/m²) 360-410
 Notes:
 Suitable for early sowing,
 sensitive to Chlortoluron



Sowing area
 Central-north Italy

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Lodging resistance	medium
Awn color	light

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium tolerance
Septoria	medium tolerance
Head blight Fusarium	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	excellent
Vitreousness	low
Protein content (%)	good >13%
Gluten index	excellent
Semolina color intensity	medium

Durum wheat

Aureo



“Gold for the Voiello brand”

Key strengths

Designed for the supply chain of Voiello pasta

Exceptional quality level

Excellent resistance to water stress



Sowing recommendations

Seeding rate: 200-228 kg/ha

Seeding density:
(germinable seeds/m²) 360-410

Notes:
Suitable for early sowing



Sowing area
Central-south Italy

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Lodging resistance	medium
Awn color	light

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	susceptible
Septoria	medium susceptibility
Head blight Fusarium	susceptible

Qualitative Traits

Thousand Grain Weight (TGW)	good
Hectolitre weight	medium
Vitreousness	excellent
Protein content (%)	excellent >14%
Gluten index	excellent
Semolina color intensity	medium

Durum Wheat

Egeo



“A concentrate of energy”

Key strengths

Incredible hectolitre weight

Variety suitable for supply chains quality

Response to nitrogen inputs with production and quality



Sowing recommendations

Seeding rate: 200-228 kg/ha

Seeding density:
(germinable seeds/m²) 360-410

Notes:
Avoid excessive density on early sowing



Sowing area
Central-south Italy

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Lodging resistance	medium
Awn color	brown

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium tolerance
Septoria	medium tolerance
Head blight Fusarium	medium susceptibility

Qualitative Traits

Thousand Grain Weight (TGW)	good
Hectolitre weight	excellent
Vitreousness	good
Protein content (%)	good >13%
Gluten index	good
Semolina color intensity	medium

Durum Wheat Fedele



**“You can
count on it”**

Key strengths

Production stability
in all environments

Color and specific
weight always at the top

Excellent color
and high vitrosity



Sowing recommendations

Seeding rate: 176-200 kg/ha
Seeding density:
(germinable seeds/m²) 360-410

Notes:
Avoid excessive density
on early sowing



Sowing area
Central-south Italy

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	low
Awn color	light

Resistance to Biotic and Abiotic stress

Powdery mildew	medium susceptibility
Brown rust	medium susceptibility
Septoria	medium tolerance
Head blight Fusarium	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	good
Vitreousness	excellent
Protein content (%)	low >11%
Gluten index	medium
Semolina color intensity	good

Durum Wheat

Felsina



“The perfect product”

Key strengths

Good tolerance towards pathologies and virosis caused by SBCMV

Perfect gluten, color and vitrosity

Always very high specific weight



Sowing recommendations

Seeding rate: 193-219 kg/ha
Seeding density:
(germinable seeds/m²) 370-420

Notes:
Suitable for all growing conditions



Sowing area
All areas

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	good
Awn color	light

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	tolerant
Septoria	medium tolerance
Head blight Fusarium	medium susceptibility

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	good
Vitreousness	good
Protein content (%)	good >13%
Gluten index	excellent
Semolina color intensity	good

Durum Wheat

Fuego



“The maximum of rusticity”

Key strengths

Medium cycle but with rapid maturation

Olive color and with dark awns

Ideal for organic cultivation



Sowing recommendations

Seeding rate: 188-214 kg/ha
Seeding density:
(germinable seeds/m²) 360-410

Notes:
Avoid excessive density
on early sowing



Sowing area
Central-south Italy

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Lodging resistance	low
Awn color	black

Resistance to Biotic and Abiotic stress

Powdery mildew	tolerant
Brown rust	tolerant
Septoria	tolerant
Head blight Fusarium	susceptible

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	good
Vitreousness	medium
Protein content (%)	medium >12%
Gluten index	medium
Semolina color intensity	medium

Durum Wheat

Gattopardo



“With an Iride mother!”

Key strengths

Excellent gluten quality

Broad cultivation adaptability

Perfectly tolerates water stress



Sowing recommendations

Seeding rate: 206-233 kg/ha

Seeding density:
(germinable seeds/m²) 370-420

Notes:
Also suitable for late sowing



Sowing area
Central-south Italy

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	medium
Awn color	brown

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium tolerance
Septoria	medium tolerance
Head blight Fusarium	susceptible

Qualitative Traits

Thousand Grain Weight (TGW)	good
Hectolitre weight	good
Vitreousness	low
Protein content (%)	low >11%
Gluten index	good
Semolina color intensity	low

Durum wheat Giglio



“The right product”

Key strengths

Excellent balance between yield and quality

Fast grain filling and cycle completion

Perfect for fertile areas



Sowing recommendations

Seeding rate: 206-233 kg/ha
 Seeding density:
 (germinable seeds/m²) 370-420
 Notes:
 Suitable for all growing conditions



Sowing area
All areas

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Lodging resistance	good
Awn color	orange

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium tolerance
Septoria	medium tolerance
Head blight Fusarium	medium susceptibility

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	good
Vitreousness	good
Protein content (%)	medium >12%
Gluten index	good
Semolina color intensity	excellent

Durum wheat

Intenso



"The Durum wheat "al dente"

Key strengths

Suitable for cultivation in the fertile areas of the "Pianura padana"

Good tolerance to Fusarium and DON accumulation

Protein level always in line with expectations



Sowing recommendations

Seeding rate: 193-219 kg/ha
 Seeding density: (germinable seeds/m²) 370-420
 Notes: Avoid excessive density on early sowing



Sowing area
 Central-north Italy

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Lodging resistance	good
Awn color	light

Resistance to Biotic and Abiotic stress

Powdery mildew	susceptible
Brown rust	medium tolerance
Septoria	medium susceptibility
Head blight Fusarium	tolerant

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	excellent
Vitreousness	good
Protein content (%)	excellent >14%
Gluten index	medium
Semolina color intensity	excellent

Durum Wheat

Iride



“The most famous durum wheat in Italy”

Key strengths

Always the most adaptable variety of wheat to different areas

High rusticity, ideal for central-south Italy

Exceptional ear fertility and constant productivity



Sowing recommendations

Seeding rate: 193-219 kg/ha
Seeding density:
(germinable seeds/m²) 370-420
Notes:
Suitable for all growing conditions



Sowing area
Central-south Italy

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	medium
Awn color	brown

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium susceptibility
Septoria	susceptible
Head blight Fusarium	medium susceptibility

Qualitative Traits

Thousand Grain Weight (TGW)	low
Hectolitre weight	good
Vitreousness	low
Protein content (%)	medium >12%
Gluten index	medium
Semolina color intensity	low

Durum wheat

Mascarino



Key strengths

The perfect product for modern supply chains

Large and very fertile ear

The first environment-friendly durum wheat



Sowing recommendations

Seeding rate: 218-247 kg/ha

Seeding density:
(germinable seeds/m²) 370-420

Notes:

Late sowing is possible; do not exceed the recommended seed quantity



Sowing area
All areas

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Lodging resistance	medium
Awn color	brown

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium tolerance
Septoria	medium tolerance
Head blight Fusarium	medium susceptibility

Qualitative Traits

Thousand Grain Weight (TGW)	good
Hectolitre weight	medium
Vitreousness	medium
Protein content (%)	good > 13%
Gluten index	excellent
Semolina color intensity	excellent

Durum wheat

Minosse



“The King of the quality”

Key strengths

Best quality merchandise

High adaptability to different environments

Perfect answer to water stress



Sowing recommendations

Seeding rate: 211-239 kg/ha

Seeding density:
(germinable seeds/m²) 380-430

Notes:
Suitable for all growing conditions



Sowing area
All areas

CHARACTERISTICS

Morpho-Physiological Traits

Size	small
Lodging resistance	excellent
Awn color	brown

Resistance to Biotic and Abiotic stress

Powdery mildew	medium susceptibility
Brown rust	medium susceptibility
Septoria	susceptible
Head blight Fusarium	susceptible

Qualitative Traits

Thousand Grain Weight (TGW)	good
Hectolitre weight	good
Vitreousness	good
Protein content (%)	excellent >14%
Gluten index	good
Semolina color intensity	good

Durum Wheat

Odisseo



“Nobody like him”

Key strengths

Medium cycle variety suitable for all areas

High and stable productivity with a good quality level

Excellent tillering capacity and high ear fertility



Sowing recommendations

Seeding rate: 200-228 kg/ha
 Seeding density:
 (germinable seeds/m²) 360-410
 Notes:
 Avoid excessive density



Sowing area
 All areas

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	medium
Awn color	brown

Resistance to Biotic and Abiotic stress

Powdery mildew	tolerant
Brown rust	medium susceptibility
Septoria	medium tolerance
Head blight Fusarium	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	good
Hectolitre weight	good
Vitreousness	good
Protein content (%)	medium >12%
Gluten index	medium
Semolina color intensity	good

Durum wheat

Puro



“Quality with simplicity”

Key strengths

Medium early cycle

Excellent quality for pasta making

Excellent compromise between production and quality



Sowing recommendations

Seeding rate: 218-247 kg/ha
Seeding density:
(germinable seeds/m²) 370-420
Notes:
Avoid excessive density



Sowing area
Central-south Italy

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	medium
Awn color	light

Resistance to Biotic and Abiotic stress

Powdery mildew	medium susceptibility
Brown rust	susceptible
Septoria	medium susceptibility
Head blight Fusarium	susceptible

Qualitative Traits

Thousand Grain Weight (TGW)	excellent
Hectolitre weight	good
Vitreousness	good
Protein content (%)	excellent > 14%
Gluten index	excellent
Semolina color intensity	good

Durum wheat

San Carlo



“Because experience matters”

Key strengths

Supply chain variety
Top quality

High Thousand Grain Weight (TGW)

Optimal lodging resistance



Sowing recommendations

Seeding rate: 224-253 kg/ha
Seeding density:
(germinable seeds/m²) 380-430
Notes:
Suitable for all growing conditions



Sowing area
Central-north Italy

CHARACTERISTICS

Morpho-Physiological Traits

Size	small
Lodging resistance	excellent
Awn color	black

Resistance to Biotic and Abiotic stress

Powdery mildew	medium susceptibility
Brown rust	medium susceptibility
Septoria	susceptible
Head blight Fusarium	medium susceptibility

Qualitative Traits

Thousand Grain Weight (TGW)	excellent
Hectolitre weight	good
Vitreousness	excellent
Protein content (%)	excellent >14%
Gluten index	excellent
Semolina color intensity	good

Durum Wheat Segugio



Key strengths

A wheat that never lodges

Perfect for the Po Valley

Super colored for top-quality pasta



Sowing recommendations

Seeding rate: 211-239 kg/ha
 Seeding density:
 (germinable seeds/m²) 380-430
 Notes:
 Suitable for all growing conditions



Sowing area
Central-north Italy

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Lodging resistance	excellent
Awn color	light

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium susceptibility
Septoria	medium tolerance
Head blight Fusarium	medium susceptibility

Qualitative Traits

Thousand Grain Weight (TGW)	good
Hectolitre weight	good
Vitreousness	medium
Protein content (%)	medium >12%
Gluten index	good
Semolina color intensity	excellent

Durum wheat

Svevo



Key strengths

The earliest variety for the supply chain

Exceptional combination of yield and protein level

Reference for quality and adaptability in difficult environments



Sowing recommendations

Seeding rate: 188-214 kg/ha

Seeding density:
(germinable seeds/m²) 360-410

Notes:
Late sowing possible, not exceed with the quantity of seeds



Sowing area
Central-south Italy

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Lodging resistance	low
Awn color	brown

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	susceptible
Septoria	medium tolerance
Head blight Fusarium	susceptible

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	good
Vitreousness	excellent
Protein content (%)	excellent > 14%
Gluten index	medium
Semolina color intensity	good

Durum wheat

SY Atlante



“To handle every challenge”

Key strengths

The right mix of quality and productivity

Stable production in different environments

Excellent color and high vitosity



Sowing recommendations

Seeding rate: 181-205 kg/ha

Seeding density:
(germinable seeds/m²) 370-420

Notes:
Suitable for all growing conditions



Sowing area
All areas

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	good
Awn color	light

Resistance to Biotic and Abiotic stress

Powdery mildew	susceptible
Brown rust	tolerant
Septoria	medium tolerance
Head blight Fusarium	medium susceptibility

Qualitative Traits

Thousand Grain Weight (TGW)	low
Hectolitre weight	excellent
Vitreousness	good
Protein content (%)	medium >12%
Gluten index	good
Semolina color intensity	good

Durum Wheat

SY Leonardo



"A brilliant durum wheat"

Key strengths

The heir of SARAGOLLA for the southern environments

High quality gluten

Stable productivity in suitable environments



Sowing recommendations

Seeding rate: 218-247 kg/ha
 Seeding density:
 (germinable seeds/m²) 370-420
 Notes:
 Suitable for early sowing



Sowing area
 Central-south Italy

CHARACTERISTICS

Morpho-Physiological Traits

Size	small
Lodging resistance	good
Awn color	light

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium tolerance
Septoria	medium susceptibility
Head blight Fusarium	susceptible

Qualitative Traits

Thousand Grain Weight (TGW)	excellent
Hectolitre weight	good
Vitreousness	medium
Protein content (%)	medium >12%
Gluten index	excellent
Semolina color intensity	low

Durum Wheat

SY Nilo



Key strengths

Excellent response to agronomic inputs

High and stable yield potential in any environment

Good disease tolerance



Sowing recommendations

Seeding rate: 218-247 kg/ha
Seeding density:
(germinable seeds/m²) 370-420

Notes:
Late sowing possible,
prefers well prepared soils



Sowing area
Central-south Italy

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	medium
Awn color	light

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium susceptibility
Septoria	susceptible
Head blight Fusarium	susceptible

Qualitative Traits

Thousand Grain Weight (TGW)	excellent
Hectolitre weight	good
Vitreousness	low
Protein content (%)	low > 11%
Gluten index	good
Semolina color intensity	medium

Durum wheat

Telemaco



Key strengths

Approved by the De Cecco supply chain

Early variety for water stressed areas

Perfect combination of production and quality



Sowing recommendations

Seeding rate: 193-219 kg/ha
 Seeding density:
 (germinable seeds/m²) 360-410

Notes:
 Avoid excessive density



Sowing area
 Central-south Italy

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Lodging resistance	medium
Awn color	brown

Resistance to Biotic and Abiotic stress

Powdery mildew	medium susceptibility
Brown rust	medium tolerance
Septoria	medium susceptibility
Head blight Fusarium	medium susceptibility

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	good
Vitreousness	good
Protein content (%)	excellent > 14%
Gluten index	excellent
Semolina color intensity	good

Durum wheat

Verace



“Italian passion and quality”

Key strengths

Approved by the De Cecco supply chain

Exceptional combination of yield and protein level

Good tolerance towards pathologies and viroses (SBCMV)



Sowing recommendations

Seeding rate: 218-247 kg/ha
 Seeding density:
 (germinable seeds/m²) 370-420
 Notes:
 Suitable for all growing conditions



Sowing area
 All areas

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	excellent
Awn color	orange

Resistance to Biotic and Abiotic stress

Powdery mildew	tolerant
Brown rust	tolerant
Septoria	medium tolerance
Head blight Fusarium	susceptible

Qualitative Traits

Thousand Grain Weight (TGW)	excellent
Hectolitre weight	good
Vitreousness	medium
Protein content (%)	good >13%
Gluten index	good
Semolina color intensity	excellent

Durum wheat

Zante



**“Let’s go
wherever
you want”**

Key strengths

Excellent production potential on fertile soils

Moderately tolerant to SBCMV

Rustic and adaptable plant



Sowing recommendations

Seeding rate: 200-228kg/ha
Seeding density:
(germinable seeds/m²) 360-410
Notes:
Suitable for all growing conditions



Sowing area
All areas

CHARACTERISTICS

Morpho-Physiological Traits

Size	small
Lodging resistance	good
Awn color	light

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium tolerance
Septoria	medium tolerance
Head blight Fusarium	susceptible

Qualitative Traits

Thousand Grain Weight (TGW)	good
Hectolitre weight	low
Vitreousness	good
Protein content (%)	medium > 12%
Gluten index	medium
Semolina color intensity	low



PSB Demo fields, "LACME Oasi del Quadrone", Medicina (Bo)



Bread Wheat



Bread Wheat

PRODUCT RANGE SUMMARY

Variety	Cycle	Type	Yield	Proteins	Transformation quality
ACA 320	E	FF	★★	★★★★★★	★★★★★★
Calisol	L	FP	★★★★★	★★★	★★★★★
Ilaria	M	FP	★★★	★★★	★★★★★
KWS Constellum	L	FF	★★★★	★★★★★★	★★★★★★
KWS Criterium	M	FF	★★★★	★★★★★	★★★★★★
KWS Milanum	L	FP	★★★★★★	★★★	★★★
KWS Sphere	L	FP	★★★★★	★★★	★★★
Minerva	M	FP	★★★★★	★★★	★★★
Pasodoble	E	FP	★★★★★	★★★	★★★★★
Porticcio	M	FP	★★★★★★	★★★	★★
Solehio	M	FP	★★★★★★	★★★	★★
SY Liam	M	FB	★★★★★★	★	★★★★★★
SY Lirico	M	FP	★★★★★★	★★	★★★★
Tiger Mix	M	FF	★★★★	★★★★★★	★★★★★
Vittorio	E	FP	★★★	★★★	★★★★
Zandalee	M	FP	★★★★★	★★★★★	★★★

E Early
M Medium
L Late

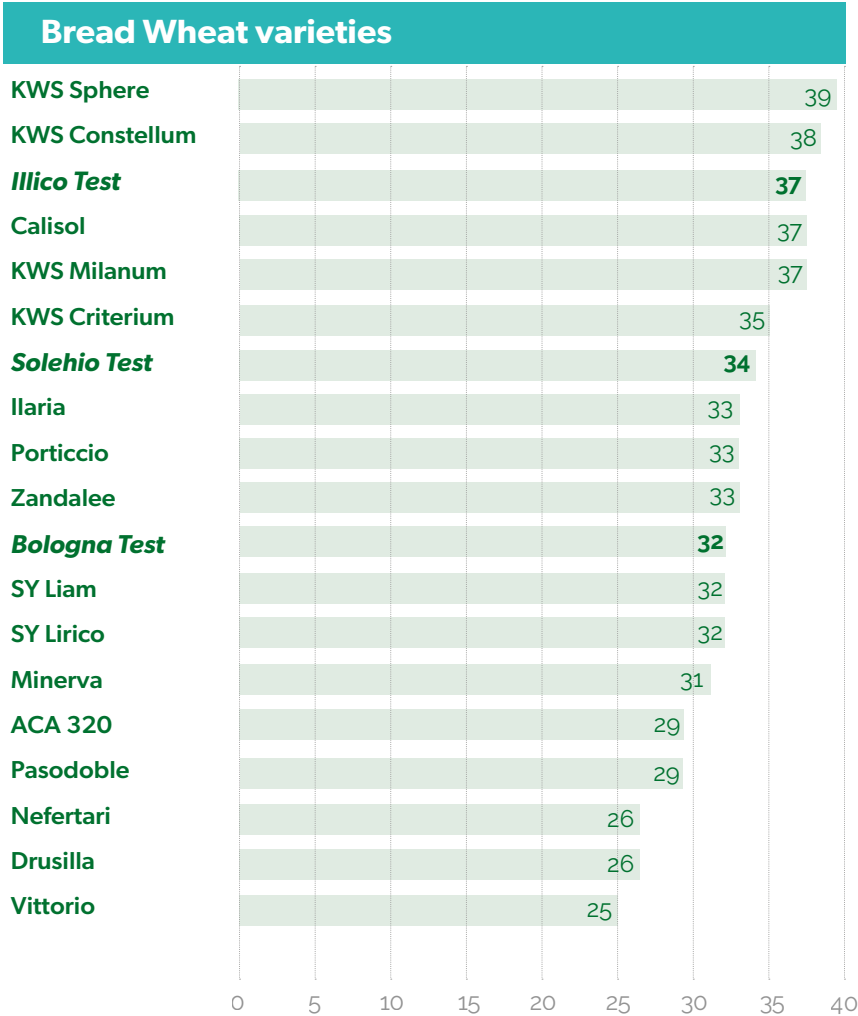






Specific weight	Tolerance to pathologies	Ease of cultivation	Response to inputs	Tolerance to Chlortoluron	Alternativity	Other productive skills
★★★★★	★★★★	★★★★	★★★★★	yes	yes	
★★★★★	★★★★	★★★★★	★★★★	yes	no	Shredded+Hay
★★★★★	★★★★★	★★★★★	★★★★	yes	no	Shredded+Hay
★★	★★★★★	★★★★★	★★★★★	yes	no	
★★★★★	★★★★	★★★★★	★★★★★	no	no	
★★★★	★★★★	★★★★★	★★★★★	no	no	
★★★★	★★★★★	★★★★★	★★★★★	no	no	Shredded+Hay
★★★★★	★★★★★	★★★★★	★★★★★	yes	yes	
★★★★★	★★	★★★★★	★★★★★	yes	no	
★★★★	★★★★	★★★★★	★★★★	no	no	
★★★★	★★★★	★★★★★	★★★★	yes	no	
★	★★★★★	★★★★★	★★★★★	yes	no	Shredded+Hay
★★	★★★★	★★★★★	★★★★★	yes	no	
★★★★★	★★★★	★★★★★	★★★★★	yes	no	
★★★★★	★★★★	★★★★★	★★★★★	yes	yes	
★★★★★	★★★★	★★★★★	★★★★★	yes	no	

- ★ Poor
- ★★ Average
- ★★★ Good
- ★★★★ Very good
- ★★★★★ Excellent

Harvesting Season

in days from 1st April



Bread Wheat RANGE	Early cycle varieties	Medium cycle varieties	Late cycle varieties
 FF Strong Wheat	ACA 320	KWS Criterium Tiger Mix	KWS Constellum
 FP Bread-making Wheat	Pasodoble Vittorio	Ilaria Minerva Porticcio Solehio SY Lirico Zandalee	Calisol KWS Milanum KWS Sphere
 FT Bread-making or biomass Wheat			
 FB Cookie Wheat		SY Liam	



Bread Wheat

ACA 320



“The power of precocity”

Key strengths

Ideal for quality advice supply chains

Quality parameters always balanced

Particularly tolerant to disease



Sowing recommendations

Seeding rate: 169-191 kg/ha

Seeding density:
(germinable seeds/m²) 380-430

Notes:

Be careful not to exceed the dose of seeding!

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Lodging resistance	medium
Alternative habit	alternative
Ear type	with awns

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	tolerant
Septoria	medium tolerance
Fusarium head blight	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	excellent
Hardness	hard
Protein content (%)	excellent >14%
Grain colour	red
W	> 450
P/L	0,9-1,1

Bread Wheat Calisol



**“Never make
a mistake”**

Key strengths

Perfect for those planning
a second harvest

Excellent resistance
to lodging

A true superior
bread-making wheat



Sowing recommendations

Seeding rate: 194-220 kg/ha

Seeding density:
(germinable seeds/m²) 380-430

Notes:
Suitable for all growing conditions

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Lodging resistance	good
Alternative habit	winter
Ear type	without awns

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium susceptibility
Septoria	medium susceptibility
Fusarium head blight	tolerant

Qualitative Traits

Thousand Grain Weight (TGW)	good
Hectolitre weight	good
Hardness	medium/hard
Protein content (%)	medium >12%
Grain colour	red
W	220-260
P/L	0,4-0,6

Bread Wheat

Ilaria



Key strengths

Excellent tolerance to Fusarium of the ear

Particularly extensible flour

Tolerant to SBCMV



MEDIUM cycle



FP Bread-making Wheat



also available as ORGANIC



Sowing recommendations

Seeding rate: 194-220 kg/ha

Seeding density:
(germinable seeds/m²) 380-430

Notes:

Late sowing is not recommended

“Anti-fusarium wheat”

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	medium
Alternative habit	winter
Ear type	without awns

Resistance to Biotic and Abiotic stress

Powdery mildew	tolerant
Brown rust	tolerant
Septoria	medium tolerance
Fusarium head blight	tolerant

Qualitative Traits

Thousand Grain Weight (TGW)	good
Hectolitre weight	good
Hardness	medium
Protein content (%)	medium >12%
Grain colour	red
W	160-180
P/L	0,4-0,6

Bread Wheat

KWS Constellum

New



Key strengths

Excellent milling quality

Excellent resistance to lodging

Excellent plant health in relation to the reference class



Sowing recommendations

Seeding rate: 191-215 kg/ha

Seeding density:
(germinable seeds/m²) 400-450

Notes:

Suitable for all growing conditions

“The power of innovation”

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	good
Alternative habit	winter
Ear type	with awns

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium tolerance
Septoria	medium susceptibility
Fusarium head blight	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	medium
Hardness	hard
Protein content (%)	excellent >14%
Grain colour	red
W	> 400
P/L	0,4-0,6

Bread Wheat

KWS Criterium



“The strong bread wheat everyone was waiting for!”

Key strengths

Excellent adaptability to all environments

Very productive as FF

Suitable for intensification



Sowing recommendations

Seeding rate: 201-225 kg/ha

Seeding density:
(germinable seeds/m²) 420-470

Notes:

Suitable for all growing conditions, moderately sensitive to Chlortoluron

CHARACTERISTICS

Morpho-Physiological Traits

Size	small
Lodging resistance	excellent
Alternative habit	winter
Ear type	with awns

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium susceptibility
Septoria	medium tolerance
Fusarium head blight	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	good
Hardness	medium/hard
Protein content (%)	good >13%
Grain colour	red
W	> 300
P/L	0,4-0,6

Bread Wheat

KWS Milanum



"A load of 90!"

Key strengths

Balanced
alveographic profile

Excellent resistance
to disease

Exceptional performance
in every situation



LATE
cycle



FP
Bread-making
Wheat



Sowing recommendations

Seeding rate: 194-220 kg/ha

Seeding density:
(germinable seeds/m²) 380-430

Notes:

Suitable for all growing conditions,
sensitive to Chlortoluron

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	medium
Alternative habit	winter
Ear type	with awns

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium tolerance
Septoria	medium tolerance
Fusarium head blight	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	good
Hectolitre weight	medium
Hardness	medium
Protein content (%)	medium >12%
Grain colour	red
W	160-180
P/L	0,5-0,7

Bread Wheat

KWS Sphere



Key strengths

Excellent adaptability to all environments

Very productive

Suitable for intensification



Sowing recommendations

Seeding rate: 201-225 kg/ha

Seeding density:
(germinable seeds/m²) 420-470

Notes:

Suitable for all growing conditions,
moderately sensitive to Chlortoluron

"Super shredded"

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Lodging resistance	good
Alternative habit	winter
Ear type	without awns

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium susceptibility
Septoria	medium tolerance
Fusarium head blight	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	good
Hectolitre weight	good
Hardness	medium/hard
Protein content (%)	medium >12%
Grain colour	red
W	240-260
P/L	0,7-0,9

Bread Wheat

Minerva



Key strengths

Very rustic and adaptable material

Good tolerance to disease and also recommended for organic agriculture

Balanced and stable alveographic profile



Sowing recommendations

Seeding rate: 191-215 kg/ha

Seeding density:
(germinable seeds/m²) 400-450

Notes:
Suitable for all growing conditions



CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	medium
Alternative habit	alternative
Ear type	with awns

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium susceptibility
Septoria	medium tolerance
Fusarium head blight	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	good
Hardness	medium
Protein content (%)	medium >12%
Grain colour	red
W	170 - 210
P/L	0,6-0,8

Bread Wheat

Pasodoble



“Rhythm on the pitch!”

Key strengths

Early productive

Excellent quality of the grain

Perfect for light soils



EARLY
cycle



FP
Bread-making
Wheat



Sowing recommendations

Seeding rate: 191-215 kg/ha

Seeding density:
(germinable seeds/m²) 400-450

Notes:
Suitable for all growing conditions

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Lodging resistance	good
Alternative habit	winter
Ear type	with awns

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	susceptible
Septoria	medium tolerance
Fusarium head blight	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	good
Hardness	medium
Protein content (%)	medium >12%
Grain colour	red
W	180-220
P/L	0,6-0,8

Bread Wheat

Porticcio



“Performance is what matters”

Key strengths

Balanced alveographic profile and excellent superior bread-making

Excellent productivity associated with a medium cycle

Excellent tillering and fast field coverage



Sowing recommendations

Seeding rate: 204-230 kg/ha

Seeding density:
(germinable seeds/m²) 400-450

Notes:

Sensitive to Chlortoluron

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	good
Alternative habit	winter
Ear type	with awns

Resistance to Biotic and Abiotic stress

Powdery mildew	medium susceptibility
Brown rust	medium tolerance
Septoria	medium susceptibility
Fusarium head blight	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	good
Hectolitre weight	medium
Hardness	medium
Protein content (%)	medium >12%
Grain colour	red
W	220-240
P/L	0,5-0,7

Bread Wheat

Solehio



“Always and only HIM”

Key strengths

The adaptability standard for common wheat

Appreciated by all for its productivity

Quality in line with industry demands



Sowing recommendations

Seeding rate: 194-220 kg/ha
 Seeding density:
 (germinable seeds/m²) 380-430
 Notes:
 Suitable for all growing conditions



CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	medium
Alternative habit	winter
Ear type	with awns

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium tolerance
Septoria	medium tolerance
Fusarium head blight	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	good
Hectolitre weight	medium
Hardness	medium
Protein content (%)	medium >12%
Grain colour	red
W	180-200
P/L	0,7-0,9

Bread Wheat

SY Liam



“The perfect cookie wheat”

Key strengths

- Incredibly productive
- Early and with excellent tolerance to lodging
- The new benchmark for biscuit makers for quality and productivity



Sowing recommendations

- Seeding rate: 204-230 kg/ha
- Seeding density: (germinable seeds/m²) 400-450
- Notes: Late sowing possible

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	medium
Alternative habit	winter
Ear type	sub-awned

Resistance to Biotic and Abiotic stress

Powdery mildew	tolerant
Brown rust	medium tolerance
Septoria	medium tolerance
Fusarium head blight	tolerant

Qualitative Traits

Thousand Grain Weight (TGW)	good
Hectolitre weight	low
Hardness	soft
Protein content (%)	low >11%
Grain colour	red
W	70-110
P/L	0,2-0,5

Bread Wheat

SY Lirico



“A triumph of productivity”

Key strengths

Incredibly productive

Ideal in situations with high potential productive

Tolerant to all adversity



Sowing recommendations

Seeding rate: 191-215 kg/ha

Seeding density:
(germinable seeds/m²) 400-450

Notes:

Late sowing possible,
prefers well prepared soils

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	good
Alternative habit	winter
Ear type	with awns

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium tolerance
Septoria	tolerant
Fusarium head blight	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	low
Hardness	hard
Protein content (%)	medium >12%
Grain colour	red
W	160-200
P/L	0,9-1,1

Bread Wheat Tiger Mix

New



Key strengths

Excellent adaptability
to all environments

Very productive as FF

Suitable for
intensification



Sowing recommendations

Seeding rate: 201-225 kg/ha

Seeding density:
(germinable seeds/m²) 420-470

Notes:

Suitable for all growing conditions,
moderately sensitive to Chlortoluron

***“The mix of
strength that
he knows how to
use to win every
challenge”***

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	excellent
Alternative habit	winter
Ear type	with awns

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium susceptibility
Septoria	medium tolerance
Fusarium head blight	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	good
Hardness	medium/hard
Protein content (%)	excellent >14%
Grain colour	red
W	> 400
P/L	0,4-0,6

Bread Wheat

Vittorio



“Precocious and productive”

Key strengths

Very early variety that allows for a second harvest

Tolerates allurement well and tolerates high nitrogen inputs

Timely harvesting is recommended to enhance its productive potential



Sowing recommendations

Seeding rate: 229-256 kg/ha

Seeding density:
(germinable seeds/m²) 420-470

Notes:
Suitable for all growing conditions



EARLY
cycle



FP
Bread-making
Wheat

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	medium
Alternative habit	spring
Ear type	with awns

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium susceptibility
Septoria	medium susceptibility
Fusarium head blight	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	excellent
Hectolitre weight	excellent
Hardness	medium
Protein content (%)	medium >12%
Grain colour	red
W	180-220
P/L	0,6-0,8

Bread Wheat

Zandalee



“The Oscar of grains”

Key strengths

- Tolerates high levels of nitrogen
- Excellent production in all environments
- Particular tolerance to rust



Sowing recommendations

- Seeding rate: 204-230 kg/ha
- Seeding density: (germinable seeds/m²) 400-450
- Notes: Suitable for all growing conditions

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	good
Alternative habit	winter
Ear type	with awns

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Brown rust	medium tolerance
Septoria	medium susceptibility
Fusarium head blight	medium tolerance

Qualitative Traits

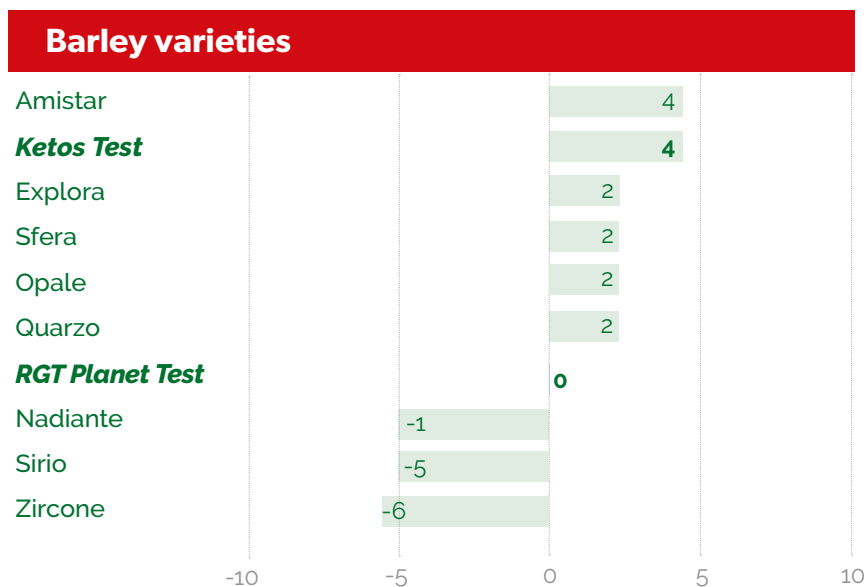
Thousand Grain Weight (TGW)	medium
Hectolitre weight	good
Hardness	medium/hard
Protein content (%)	good >13%
Grain colour	red
W	180-220
P/L	0,6-0,8

A close-up photograph of a field of barley. The stalks are golden-brown and densely packed, filling the entire frame. A red banner with a scalloped edge is positioned horizontally across the middle of the image. The word "Barley" is written in white serif font on the banner.

Barley

Harvesting Season

in days from 1st April



Barley RANGE	Early	Medium	Late
DOUBLE ROWS	Sirio Zircone RGT Planet	Sfera	
MULTIPLE ROWS	Nadiante	Explora Opale	Amistar



Barley

Amistar



"A sea of wheat ears"

Key strengths

Tolerant to the barley yellow dwarf virus

PHL like multiple rows

High productivity



Sowing recommendations

Seeding rate: 151-162 kg/ha

Seeding density:
(germinable seeds/m²) 290-310

Notes:

Also suitable for early sowing



LATE cycle



Shredded

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Lodging resistance	good
Alternative habit	winter
Type	multiple rows

Resistance to Biotic and Abiotic stress

Powdery mildew	susceptible
Helminthosporium	medium tolerance
Ramularia	medium tolerance
Rhynchosporium	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	good
Hectolitre weight	good
Protein content (%)	medium

Barley Explora



“The perfect multiple rows”

Key strengths

Very productive variety both as biomass and grain

Very rustic and adaptable barley

Tolerates barley yellow mosaic virus



Sowing recommendations

Seeding rate: 151-162 kg/ha

Seeding density:
(germinable seeds/m²) 290-310

Notes:
Suitable for all growing conditions



CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Lodging resistance	medium
Alternative habit	alternative
Type	multiple rows

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Helminthosporium	medium tolerance
Ramularia	medium tolerance
Rhynchosporium	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	low
Protein content (%)	medium

Barley

Nadiante

New



“For fine workmanship”

Key strengths

The early multiple rows

Suitable for cold environments

Perfect for shredded



EARLY cycle



also available as ORGANIC



Shredded



Sowing recommendations

Seeding rate: 150-170 kg/ha

Seeding density:
(germinable seeds/m²) 290-310

Notes:

Suitable for all growing conditions,
avoid early and overly dense sowing

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Lodging resistance	good
Alternative habit	winter
Type	multiple rows

Resistance to Biotic and Abiotic stress

Powdery mildew	tolerant
Helminthosporium	medium tolerance
Ramularia	medium susceptibility
Rhynchosporium	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	good
Protein content (%)	medium

Barley Opale



*“High productivity
for your fields”*

Key strengths

Tolerates the mosaic virus well

Excellent early ripening

Suitable for use in fertile areas



Sowing recommendations

Seeding rate: 151-162 kg/ha

Seeding density:
(germinable seeds/m²) 290-310

Notes:
Suitable for all growing conditions

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	medium
Alternative habit	winter
Type	multiple rows

Resistance to Biotic and Abiotic stress

Powdery mildew	medium tolerance
Helminthosporium	medium tolerance
Ramularia	medium tolerance
Rhynchosporium	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	good
Protein content (%)	medium

Barley

RGT Planet



“The most famous double rows barley on the planet”

Key strengths

Adaptable to all conditions

Very tolerant to lodging

Ideal for animal husbandry and malting



Sowing recommendations

Seeding rate: 161-172 kg/ha

Seeding density:
(germinable seeds/m²) 290-310

Notes:
Wide sowing window

CHARACTERISTICS

Morpho-Physiological Traits

Size	small
Lodging resistance	excellent
Alternative habit	alternative
Type	double rows

Resistance to Biotic and Abiotic stress

Powdery mildew	tolerant
Helminthosporium	medium susceptibility
Ramularia	medium susceptibility
Rhynchosporium	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	good
Hectolitre weight	medium
Protein content (%)	medium

Barley

Sfera



**“The security
of a good
harvest”**



Key strengths

Rustic and adaptable material to all conditions

Excellent productivity in every type of environments

Tolerates the mosaic virus well



Sowing recommendations

Seeding rate: 161-172 kg/ha

Seeding density:
(germinable seeds/m²) 290-310

Notes:
Suitable for all growing conditions

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	good
Alternative habit	winter
Type	double rows

Resistance to Biotic and Abiotic stress

Powdery mildew	tolerant
Helminthosporium	medium tolerance
Ramularia	medium susceptibility
Rhynchosporium	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	good
Protein content (%)	medium

Barley

Sirio



“The Star of barleys”



Key strengths

Excellent productivity based on its precocity

Possibility of shredding and making a second full harvest

Excellent tolerance to lodging



Sowing recommendations

Seeding rate: 161-172 kg/ha

Seeding density:
(germinable seeds/m²) 290-310

Notes:

Also suitable for early sowing

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium
Lodging resistance	excellent
Alternative habit	winter
Type	double rows

Resistance to Biotic and Abiotic stress

Powdery mildew	medium susceptibility
Helminthosporium	medium susceptibility
Ramularia	medium tolerance
Rhynchosporium	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	good
Hectolitre weight	good
Protein content (%)	good

Barley

Zircone



"The gem of barleys"

Key strengths

Very early for all stress conditions

Suitable for spring sowing

Perfect for a second harvest



Sowing recommendations

Seeding rate: 160-180 kg/ha

Seeding density:
(germinable seeds/m²) 290-310

Notes:

Late sowing is permitted

CHARACTERISTICS

Morpho-Physiological Traits

Size	small
Lodging resistance	good
Alternative habit	alternative
Type	double rows

Qualitative Traits

Thousand Grain Weight (TGW)	medium
Hectolitre weight	medium
Protein content (%)	medium

Resistance to Biotic and Abiotic stress

Powdery mildew	tolerant
Helminthosporium	medium tolerance
Ramularia	medium susceptibility
Rhynchosporium	medium tolerance



Triticale

Triticale
AGS TR13



“Grain and shredded”



Key strengths

Earliness and excellent yield. Variety with a early cycle, with excellent adaptability and resistance to lodging, it is ideal for excellent early harvests.

Ideal for forage



Sowing recommendations

Seeding rate: 180-200 kg/h

Seeding density:
 400 (germinable seeds/m²)

Notes: Standard sowing from mid-October to the end of January

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium-high
Tillering	high
Earing period	early
Ripening date	medium-early
Alternative habit	alternative

Resistance to Biotic and Abiotic stress

Cold	excellent resistance
Lodging	excellent resistance
Powdery mildew	tolerant
Septoria	not very sensitive
Yellow rust	not very sensitive
Brown rust	tolerant
Fusarium	not very sensitive

Triticale
Buni



“The high quality shredded”

Key strengths

Excellent tolerance to lodging

Good plant health



Sowing recommendations

Seeding rate: 180-200 kg/h

Seeding density: 400 (germinable seeds/m²)

Notes: Standard sowing from mid-October to the end of January

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Tillering	high
Earing period	early
Ripening date	medium-early
Alternative habit	alternative

Resistance to Biotic and Abiotic stress

Cold	excellent resistance
Lodging	excellent resistance
Powdery mildew	tolerant
Septoria	not very sensitive
Yellow rust	not very sensitive
Brown rust	tolerant
Fusarium	not very sensitive

Triticale

Cerasa

New



Key strengths

Excellent tolerance to lodging

Good plant health



Sowing recommendations

Seeding rate: 180-200 kg/h

Seeding density: 400 (germinable seeds/m²)

Notes: Standard sowing from mid-October to the end of January

“The quality of the shredded is consistently high!”

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Tillering	high
Earing period	medium-early
Ripening date	medium-early
Alternative habit	alternative

Resistance to Biotic and Abiotic stress

Cold	excellent resistance
Lodging	excellent resistance
Powdery mildew	tolerant
Septoria	not very sensitive
Yellow rust	not very sensitive
Brown rust	tolerant
Fusarium	not very sensitive

Triticale

Conero



“The safe shredded!”

Key strengths

Winter sowing

High tillering



Sowing recommendations

Seeding rate: 180-200 kg/h

Seeding density:
400 (germinable seeds/m²)

Notes: Standard sowing
from mid-October to the end of January

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Tillering	high
Earing period	late
Ripening date	late
Alternative habit	alternative

Resistance to Biotic and Abiotic stress

Cold	excellent resistance
Lodging	excellent resistance
Powdery mildew	tolerant
Septoria	not very sensitive
Yellow rust	not very sensitive
Brown rust	tolerant
Fusarium	not very sensitive

Triticale
Pitino



Key strengths

Resistant to lodging

Very productive

Spring habit



Sowing recommendations

Seeding rate: 180-200 kg/h

Seeding density:
 400 (germinable seeds/m²)

Notes: Standard sowing
 from mid-October to the end of January

CHARACTERISTICS

Morpho-Physiological Traits

Size	105-110 cm
Tillering	high
Ear	white
Plant habit	spring
Earing period	medium

Resistance to Biotic and Abiotic stress

Cold	medium tolerance
Water stress	medium resistance
Lodging	medium tolerance
Powdery mildew	medium tolerance
Yellow rust	medium tolerance
Septoria	medium tolerance

Triticale

Quirinale



“Grains and silage”

Key strengths

Winter habit

High tillering



Sowing recommendations

Seeding rate: 180-200 kg/h

Seeding density:
400 (germinable seeds/m²)

Notes: Standard sowing
from mid-October to the end of January

CHARACTERISTICS

Morpho-Physiological Traits

Size	high
Tillering	high
Earing period	late
Ripening date	late
Alternative habit	alternative

Resistance to Biotic and Abiotic stress

Cold	excellent resistance
Lodging	excellent resistance
Powdery mildew	tolerant
Septoria	not very sensitive
Yellow rust	not very sensitive
Brown rust	tolerant
Fusarium	not very sensitive

A close-up photograph of a field of mature oat stalks, showing their golden-brown heads and long, thin stems. The stalks are densely packed and slightly blurred, creating a sense of depth. A dark blue banner with a scalloped edge is positioned horizontally across the middle of the image, containing the word "Oat" in white serif font.

Oat

Oat Flavia



Key strengths

White oat

For the production
of grains and fodder

Alternative habit



Sowing recommendations

Seeding rate: 140-180 kg/h

Seeding density:
350-380 (germinable seeds/m²)

Notes: Standard sowing
from mid-October to the end of January

CHARACTERISTICS

Morpho-Physiological Traits

Size	90-95 cm
Tillering	high
Ear	medium
Grain	white
Plant habit	alternative
Earing period	early

Resistance to Biotic and Abiotic stress

Cold	medium tolerance
Water stress	medium tolerance
Lodging	medium tolerance
Powdery mildew	medium tolerance
Rusts	medium tolerance
Septoria	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	30-33 gr
Hectolitre weight	46-50
Proteins (%)	14-15%
Content in fats	12%
Yield at decortication	81-82%

Oat Fulvia



Key strengths

Red oat

For the production
of grains and fodder

Alternative habit



Sowing recommendations

Seeding rate: 140-180 kg/h

Seeding density:
350-380 (germinable seeds/m²)

Notes: Standard sowing
from mid-October to the end of January

CHARACTERISTICS

Morpho-Physiological Traits

Size	89-90 cm
Tillering	high
Ear	medium
Grain	red
Plant habit	alternative
Earing period	early

Resistance to Biotic and Abiotic stress

Cold	medium tolerance
Water stress	tolerant
Lodging	medium tolerance
Powdery mildew	medium tolerance
Rusts	medium tolerance
Septoria	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	32-35 gr
Hectolitre weight	48-52
Proteins (%)	14-15%
Content in fats	12%
Yield at decortication	79-80%

Oat Irina



“Ideal for biomass production”

Key strengths

Naked kernels

Alternative habit

Using for human consumption

Rich in B-glucans



Interesting for the production of food for **people who are intolerant to gluten** and for the production of **baby food**.



Sowing recommendations

Seeding rate: 140-180 kg/h

Seeding density:
350-380 (germinable seeds/m²)

Notes: Standard sowing
from mid-October to the end of January

CHARACTERISTICS

Morpho-Physiological Traits

Size	80-85 cm
Tillering	high
Ear	medium
Grain	white, naked
Plant habit	semi-winter
Earing period	late

Resistance to Biotic and Abiotic stress

Cold	tolerant
Water stress	tolerant
Lodging	tolerant
Powdery mildew	medium susceptibility
Rusts	medium tolerance
Septoria	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	20-25 gr
Hectolitre weight	58-63
Proteins (%)	15-17%
Content in fats	8-10%
B-glucans content	4-5%

Oat

Naomi

New



Key strengths

Black oat

Excellent grain
yield

Alternative habit

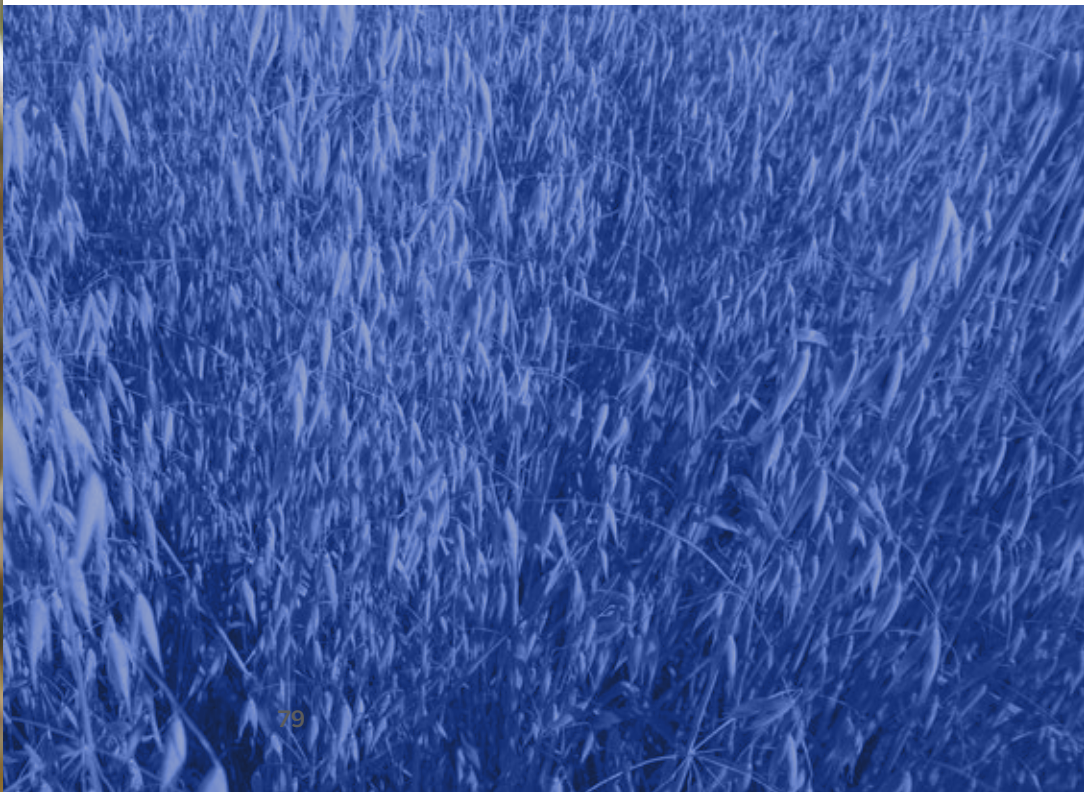


Sowing recommendations

Seeding rate: 140-180 kg/h

Seeding density:
350-380 (germinable seeds/m²)

Notes: Standard sowing
from mid-October to the end of January



Oat Nigra



Key strengths

Black oat

For the production
of grains and fodder

Alternative habit



Sowing recommendations

Seeding rate: 140-180 kg/h

Seeding density:
350-380 (germinable seeds/m²)

Notes: Standard sowing
from mid-October to the end of January

CHARACTERISTICS

Morpho-Physiological Traits

Size	90-95 cm
Tillering	good
Ear	medium
Grain	black
Plant habit	alternative
Earing period	medium

Resistance to Biotic and Abiotic stress

Cold	medium tolerance
Water stress	tolerant
Lodging	medium tolerance
Powdery mildew	medium tolerance
Rusts	medium tolerance
Septoria	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	32-34 gr
Hectolitre weight	48-52
Proteins (%)	13-14%
Content in fats	12%



Einkorn Wheat



Einkorn Wheat Hammurabi



Key strengths

Low gluten index

Suitable for the production of highly digestible products

It can be used to produce pasta, bread, beer

CHARACTERISTICS

Morpho-Physiological Traits

Size	105-115 cm
Ear	medium
Caryosides	naked
Awn	present
Tillering	medium-high
Plant habit	alternative

Qualitative Traits

Thousand Grain Weight (TGW)	30-35 gr
Hectolitre weight	75-78
Proteins (%)	18-21%
Hardness	extra soft
W	20-30
Gluten index	5-10

Resistance to Biotic and Abiotic stress

Cold	medium resistance
Drought	medium resistance
Lodging	high resistance
Powdery mildew	good tolerance
Rusts	good tolerance
Fusarium	medium tolerance
Septoria	good tolerance



Einkorn Wheat Norberto



Key strengths

Low gluten index (high digestibility)

High rusticity and good tolerance to main diseases

Suitable for making bread, focaccia and biscuits

CHARACTERISTICS

Morpho-Physiological Traits

Size	120-140 cm
Ear	medium-long
Caryosides	dressed
Awn	present
Tillering	very high
Plant habit	alternative

Qualitative Traits

Thousand Grain Weight (TGW)	25-30 gr
Hectolitre weight	40-47
Proteins (%)	18-19%
Hardness	extra soft
W	50-60
Gluten index	20-30

Resistance to Biotic and Abiotic stress

Cold	resistant
Drought	resistant
Lodging	good resistance
Powdery mildew	good tolerance
Rusts	good tolerance
Fusarium	medium tolerance
Septoria	good tolerance



Dicoccum

Dicoccum Padre Pio



Key strengths

Suitable for pasta

Alternative habit



Sowing recommendations

Seeding density (germinable seeds/m²)

	October	November	December	January	February	March
Northern Italy	370-400	400-430	420-450	440-470	460-500	460-500
Central Italy	390-420	420-450	440-470	460-490	480-510	480-510
Southern Italy	-	400-430	420-450	440-470	460-500	460-500

CHARACTERISTICS

Morpho-Physiological Traits

Size	85-105 cm
Earing period	early

Resistance to Biotic and Abiotic stress

Cold	resistant
Water stress	resistant
Lodging	high resistance
Powdery mildew	tolerant
Brown rust	medium tolerance
Septoria	medium tolerance

Qualitative Traits

Proteins (%)	13-14%
Glycemic index	low
Digestibility	high
Fibers/Vitamins/Mineral salts	high



Field bean

Field bean

Chiaro di Torrelama



Key strengths

- White seed
- High productivity
- Resistant to cold
- Alternative habit



Sowing recommendations

Seeding density (germinable seeds/m²)

	October	November	December	January	February
Northern Italy	35-40	35-40	40-45	40-45	45-50
Central Italy	40-45	40-45	45-50	45-50	50-55
Southern Italy	-	35-40	40-45	40-45	45-50

CHARACTERISTICS

Morpho-Physiological Traits

Size	100-115 cm
Seed	medium/oval/light brown
Flower	white/melanin patch present
Plant type	erect
Plant habit	alternative
Cycle	medium

Resistance to Biotic and Abiotic stress

Cold	excellent resistance
Water stress	good resistance
Lodging	excellent resistance
Rust	good tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	350-450 gr
Proteins (%)	24-26%

Field bean Collameno



Key strengths

Rusticity

Alternative habit



Sowing recommendations

Seeding density (germinable seeds/m²)

	October	November	December	January	February
Northern Italy	-	-	-	-	40-45
Central Italy	-	-	-	40-45	40-45
Southern Italy	-	30-35	30-35	35-40	40-45

CHARACTERISTICS

Morpho-Physiological Traits

Size	100-105 cm
Seed	medium-small/oval/light brown
Flower	white/melanin patch present
Plant type	erect
Plant habit	alternative
Cycle	medium

Resistance to Biotic and Abiotic stress

Cold	excellent resistance
Water stress	good resistance
Lodging	excellent resistance
Rust	good tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	320-400 gr
Proteins (%)	25-27%

Field bean Enrico



Key strengths

- Black seed
- Excellent productivity
- Resistant to cold
- Alternative habit



Sowing recommendations

Seeding density (germinable seeds/m²)

	October	November	December	January	February
Northern Italy	35-40	35-40	40-45	40-45	45-50
Central Italy	40-45	40-45	45-50	45-50	50-55
Southern Italy	-	35-40	40-45	40-45	45-50

CHARACTERISTICS

Morpho-Physiological Traits

Size	100-110 cm
Seed	medium-small/oval/black
Flower	white/melanin patch present
Plant type	erect
Plant habit	alternative
Cycle	medium

Resistance to Biotic and Abiotic stress

Cold	good resistance
Water stress	good resistance
Lodging	excellent resistance
Rust	good tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	350-400 gr
Proteins (%)	25-27%

Field bean Melman

New



Key strengths

- Light-colored seed
- High productivity
- Resistant to cold
- Alternative habit



Sowing recommendations

Seeding density (germinable seeds/m²)

	October	November	December	January	February
Northern Italy	35-40	35-40	40-45	40-45	45-50
Central Italy	40-45	40-45	45-50	45-50	50-55
Southern Italy	-	35-40	40-45	40-45	45-50



CHARACTERISTICS

Morpho-Physiological Traits

Size	100-115 cm
Seed	medium/oval/light brown
Flower	white/melanin patch present
Plant type	erect
Plant habit	alternative
Cycle	early

Resistance to Biotic and Abiotic stress

Cold	excellent resistance
Water stress	good resistance
Lodging	excellent resistance
Rust	good tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	350-400 gr
Proteins (%)	24-26%

Field bean Rumbo



Key strengths

- White seed
- Large caliber
- High productivity
- Alternative habit



Sowing recommendations

Seeding density (germinable seeds/m²)

	October	November	December	January	February
Northern Italy	35-40	35-40	40-45	40-45	45-50
Central Italy	40-45	40-45	45-50	45-50	50-55
Southern Italy	-	35-40	40-45	40-45	45-50

CHARACTERISTICS

Morpho-Physiological Traits

Size	95-105 cm
Seed	medium-big/oval/light brown
Flower	white/melanin patch present
Plant type	erect
Plant habit	alternative
Cycle	medium-early

Resistance to Biotic and Abiotic stress

Cold	good resistance
Water stress	good resistance
Lodging	excellent resistance
Rust	good tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	450-550 gr
Proteins (%)	25-27%

Field bean

Scuro di Torrelama



Key strengths

Black seed

High productivity

Resistant to cold

Alternative habit



Sowing recommendations

Seeding density (germinable seeds/m²)

	October	November	December	January	February
Northern Italy	35-40	35-40	40-45	40-45	45-50
Central Italy	40-45	40-45	45-50	45-50	50-55
Southern Italy	-	35-40	40-45	40-45	45-50

CHARACTERISTICS

Morpho-Physiological Traits

Size	100-110 cm
Seed	medium-small/oval/black
Flower	white/melanin patch present
Plant type	erect
Plant habit	alternative
Cycle	medium

Resistance to Biotic and Abiotic stress

Cold	good resistance
Water stress	good resistance
Lodging	excellent resistance
Rust	good tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	300-400 gr
Proteins (%)	24-26%



Proteic pea

Proteic pea
Aviron



Key strengths

- Aphyllous
- Alternative habit
- Green grain
- Low content of trypsin inhibitors



Sowing recommendations

Seeding density (germinable seeds/m²)

	October	November	December	January	February	March
Northern Italy	80-90	80-90	90-100	90-100	100-110	100-110
Central Italy	80-90	90-100	90-100	100-110	100-110	100-110
Southern Italy	-	100-110	100-110	110-120	110-120	110-120

CHARACTERISTICS

Morpho-Physiological Traits

Size	80-90 cm
Seed	medium-small/round/green
Flower	white
Plant type	erect
Plant	aphyllous
Plant habit	alternative
Cycle	medium-late

Resistance to Biotic and Abiotic stress

Cold	good resistance
Water stress	good resistance
Lodging	excellent resistance
F.oxysporum (type 1)	resistant
Ferric chlorosis	medium resistance

Qualitative Traits

Thousand Grain Weight (TGW)	160-170 gr
Proteins (%)	20-22%

Proteic pea

Orchestra



Key strengths

- Aphyllous
- Alternative habit
- Yellow grain
- Good protein content



Sowing recommendations

Seeding density (germinable seeds/m²)

	October	November	December	January	February	March
Northern Italy	80-90	80-90	90-100	90-100	100-110	100-110
Central Italy	80-90	90-100	90-100	100-110	100-110	100-110
Southern Italy	-	100-110	100-110	110-120	110-120	110-120

CHARACTERISTICS

Morpho-Physiological Traits

Size	70-80 cm
Seed	big/round/yellow
Flower	white
Plant type	erect
Plant	aphyllous
Plant habit	alternative
Cycle	medium

Resistance to Biotic and Abiotic stress

Cold	good resistance
Water stress	good resistance
Lodging	excellent resistance
F.oxysporum (type 1)	resistant
Ferric chlorosis	medium resistance

Qualitative Traits

Thousand Grain Weight (TGW)	240 gr
Proteins (%)	20-21%



Chick-pea

Chick-pea Jafar

New



Key strengths

Beige seed,
medium-wrinkled
and large caliber

Excellent resistance
to Dehiscence

Excellent tolerance
to *Ascochyta rabiei*



Sowing recommendations

Seeding density (germinable seeds/m²)

	October	November	December	January	February	March
Northern Italy	-	-	-	-	40-45	45-50
Central Italy	-	-	-	40-45	40-45	45-50
Southern Italy	-	30-35	30-35	30-35	40-45	40-45

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium-high (60-65 cm)
Seed	beige/medium wrinkled/medium-large caliber
Flower	white
Plant type	erect
Plant habit	alternative
Cycle	medium-early

Resistance to Biotic and Abiotic stress

Cold	good resistance
Water stress	good resistance
Lodging	excellent resistance
Dehiscence	excellent resistance
Ascochyta	excellent resistance

Qualitative Traits

Thousand Grain Weight (TGW)	450-550 gr
Proteins (%)	21-23%

Chick-pea Maragià



Key strengths

Beige seed, medium wrinkled and large caliber

Excellent tolerance to *Ascochyta rabiei*

Excellent plant fertility



Sowing recommendations

Seeding density (germinable seeds/m²)

	October	November	December	January	February	March
Northern Italy	-	-	-	-	40-45	45-50
Central Italy	-	-	-	40-45	40-45	45-50
Southern Italy	-	30-35	30-35	30-35	40-45	40-45

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium-high (60-65 cm)
Seed	beige/medium wrinkled/medium-large caliber
Flower	white
Plant type	erect
Plant habit	alternative
Cycle	medium-early

Resistance to Biotic and Abiotic stress

Cold	good resistance
Water stress	good resistance
Lodging	excellent resistance
Dehiscence	excellent resistance
Ascochyta	excellent resistance

Qualitative Traits

Thousand Grain Weight (TGW)	450-550 gr
Proteins (%)	21-23%

Chick-pea Pascià



Key strengths

Beige seed, wrinkled and large caliber

Medium tolerance to *Ascochyta rabiei*

Appreciated by the food industry



Sowing recommendations

Seeding density (germinable seeds/m²)

	October	November	December	January	February	March
Northern Italy	-	-	-	-	40-45	45-50
Central Italy	-	-	-	40-45	40-45	45-50
Southern Italy	-	30-35	30-35	35-40	40-45	40-45

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium-high (60-65 cm)
Seed	beige/wrinkled/large caliber
Flower	white
Plant type	semi-erect
Plant habit	alternative
Cycle	medium-early

Resistance to Biotic and Abiotic stress

Cold	good resistance
Water stress	good resistance
Lodging	excellent resistance
Dehiscence	excellent resistance
Ascochyta	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	400-500 gr
Proteins (%)	21-22%

Chick-pea Reale



Key strengths

Fair seed, wrinkled and medium-large caliber

Medium tolerance to *Ascochyta rabiei*

Appreciated by the food industry



Sowing recommendations

Seeding density (germinable seeds/m²)

	October	November	December	January	February	March
Northern Italy	-	-	-	-	40-45	45-50
Central Italy	-	-	-	40-45	40-45	45-50
Southern Italy	-	30-35	30-35	35-40	40-45	40-45

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium-high (60-65 cm)
Seed	fair/wrinkled/medium-large caliber
Flower	white
Plant type	erect
Plant habit	alternative
Cycle	medium

Resistance to Biotic and Abiotic stress

Cold	good tolerance
Water stress	good tolerance
Lodging	excellent resistance
Dehiscence	excellent resistance
Ascochyta	medium resistance

Qualitative Traits

Thousand Grain Weight (TGW)	400-450 gr
Proteins (%)	20-21%

Chick-pea Sceicco

New



Key strengths

Beige seed,
medium-wrinkled
and medium-large caliber

Excellent resistance
to Dehiscence

High Thousand Grain
Weight (TGW)



Sowing recommendations

Seeding density (germinable seeds/m²)

	October	November	December	January	February	March
Northern Italy	-	-	-	-	40-45	45-50
Central Italy	-	-	-	40-45	40-45	45-50
Southern Italy	-	30-35	30-35	35-40	40-45	40-45

CHARACTERISTICS

Morpho-Physiological Traits

Size	medium-high (60-65 cm)
Seed	beige/wrinkled/large caliber
Flower	white
Plant type	semi-erect
Plant habit	alternative
Cycle	medium-early

Resistance to Biotic and Abiotic stress

Cold	good resistance
Water stress	good resistance
Lodging	excellent resistance
Dehiscence	excellent resistance
Ascochyta	medium tolerance

Qualitative Traits

Thousand Grain Weight (TGW)	400-500 gr
Proteins (%)	21-22%

Chick-pea Sultano



Key strengths

Beige seed, smooth and medium-small caliber

Excellent tolerance to *Ascochyta rabiei*

Very rustic variety



Sowing recommendations

Seeding density (germinable seeds/m²)

	October	November	December	January	February	March
Northern Italy	-	-	-	-	40-45	45-50
Central Italy	-	-	-	40-45	40-45	45-50
Southern Italy	-	30-35	30-35	35-40	40-45	40-45

CHARACTERISTICS

Morpho-Physiological Traits

Size	75-80 cm
Seed	beige/smooth/medium-small caliber
Flower	white
Plant type	erect
Plant habit	alternative
Cycle	medium-early

Resistance to Biotic and Abiotic stress

Cold	good tolerance
Water stress	excellent resistance
Lodging	excellent resistance
Dehiscence	excellent resistance
Ascochyta	good resistance

Qualitative Traits

Thousand Grain Weight (TGW)	280-300 gr
Proteins (%)	19-20%

The image features a dense, repeating pattern of golden-brown lentils. A horizontal banner with a scalloped edge, colored in a vibrant blue, is positioned across the middle of the image. The word "Lentil" is written in a white, serif font within this banner.

Lentil

Lentil

Itaca



Key strengths

Orange cotyledons

Medium-big seed

Brown colour seed



Sowing recommendations

Seeding density (germinable seeds/m²)

	January	February	March	April
Northern Italy	-	220-250	250-300	250-300
Central Italy	-	270-300	300-330	300-330
Southern Italy	220-250	220-250	250-300	-

CHARACTERISTICS

Morpho-Physiological Traits

Size	37-40 cm
External seed colour	brown
Internal seed colour	orange
Seed size	medium-big
Plant type	erect
Seeds per pod	1-2
Cycle	medium-late

Resistance to Biotic and Abiotic stress

Cold	medium resistance
Water stress	medium resistance
Dehiscence	resistant

Qualitative Traits

Thousand Grain Weight (TGW)	35-40 gr
Proteins (%)	24-26%

The image features a close-up, high-angle view of alfalfa plants. The plants are characterized by their dense, rounded, and fuzzy-looking leaves. The background is a soft, out-of-focus green, suggesting a field of alfalfa. A prominent horizontal band of solid green color runs across the middle of the image. This band has a decorative, scalloped or serrated edge on both its top and bottom borders. Centered within this green band is the word "Alfalfa" written in a clean, white, serif typeface.

Alfalfa

Alfalfa Gamma



Key strengths

Class of dormancy: 6

Use: pastures, hay, dehydrated hay and flour

Resistant to cold

Low saponin content



Sowing recommendations

Autumn sowing rate:

40 kg/ha

Spring sowing rate:

50 kg/ha

CHARACTERISTICS

Morpho-Physiological Traits

Size	75-80 cm
Class of dormancy	6
Plant type	erect
Stem	thin
Leaves	elliptic
Flower	purple/light purple
Relationship leaves/stem	high
Spring vegetative resumption	anticipated
Winter rest	postponed
Cycle	medium-early

Resistance to Biotic and Abiotic stress

Cold	resistant
Lodging	excellent resistance
Rust	medium tolerance
Fusarium	medium tolerance
Botrytis	medium tolerance
Cercospora	medium tolerance

Qualitative Traits

Use	pastures, hay, dehydrated hay, flour
Forage production	high

Alfalfa Itaca



Key strengths



Class of dormancy: 6,5

Use: pastures, hay, dehydrated hay and flour

High speed of recoil

Abundant number of stems



Sowing recommendations

Autumn sowing rate:
40 kg/ha

Spring sowing rate:
50 kg/ha

CHARACTERISTICS

Morpho-Physiological Traits

Size	70-85 cm
Class of dormancy	6,5
Plant type	erect
Stem	thin
Leaves	elliptic
Flower	purple/light purple
Relationship leaves/stem	high
Spring vegetative resumption	anticipated
Winter rest	postponed
Cycle	medium-early

Resistance to Biotic and Abiotic stress

Cold	medium resistance
Lodging	excellent resistance
Rust	medium tolerance
Fusarium	medium tolerance
Botrytis	medium tolerance
Cercospora	medium tolerance

Qualitative Traits

Use	pastures, hay, dehydrated hay, flour
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