



Our company

Apsov is longstanding established Italian company which constantly endeavours to enhance the field of agriculture.

Our commitment is to create new opportunities for ourselves and our customers. We constantly strive to strengthen and enhance the brand, by breeding new varieties and offering excellent services.

We are genetic providers and carriers of innovation; we believe in a flexible and efficient organization, market oriented and strongly focused on a technical approach.

Our ambition is to be a leading company with the best human and genetics resources.

The values which drive us are customer focus, passion for work, dynamism, fairness, cooperation, positivity.



Apsov came into being a Cooperative -APSOV Soc. Coop- in 1967, when it was set up by a group of young farmers. The favourable climatic conditions of the territory, coupled with the founders' agricultural expertise remain the basis for high quality seed production. Over the recent years Apsov business grew also through acquisition of shares of other companies: GMAX SEEDS settled in 2017; in 2023, the first foreign subsidiary, APSOV Seme Doo, was established in Serbia; over the same year APSOV entered the capital of the Spanish company HIBRISOL and purchased 100% of Sementi Maremma srl; in 2026, the company opens a new branch in France. Currently the multiplication area is 8,500 ha for winter crops and 3,500 ha for spring crops, with a production exceeding 35,000 tons per year. The group's turnover in 2022 was close to 50 million euro, exclusively generated by the seed business.



Our strengths

Research

Our goal is to develop high-yielding, consistent varieties and hybrids able to match the diverse market needs.

A wide network of trial locations and partnerships allows for precise agronomic and quality validation.

We currently have 9 active breeding programs:

Bread wheat, Durum wheat, Triticale, Barley, Oat, Chickpea, Faba bean, Sunflower, Alfalfa.



Sustainability

At our facilities in Voghera and Grosseto, we generate electricity through photovoltaic systems capable of producing 1,100,000 kWh per year—covering approximately 70% of our energy needs. In doing so, we reduce CO₂ emissions into the atmosphere around 600 tons, annually.



People

We stand by our employees and strive to ensure a motivating and safe working environment.

We are committed to having a positive impact on local communities by supporting projects that promote the development of education, culture, economic activities, and social initiatives.



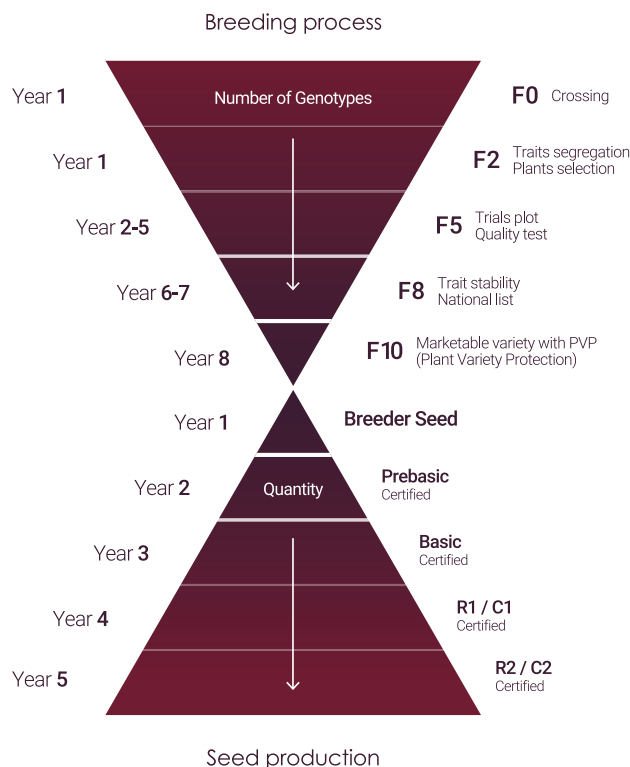
Breeding

Thanks to continuous investment in research and development, accumulated expertise, and strong international partnerships, innovation has always been one of APSOV's key strengths.

Our breeding programs focus on bread wheat, durum wheat, barley, triticale, oats, chickpea, faba bean, alfalfa, and sunflower, with the aim of developing consistent yield, stable varieties suited to the diverse requirements of the processing industry.

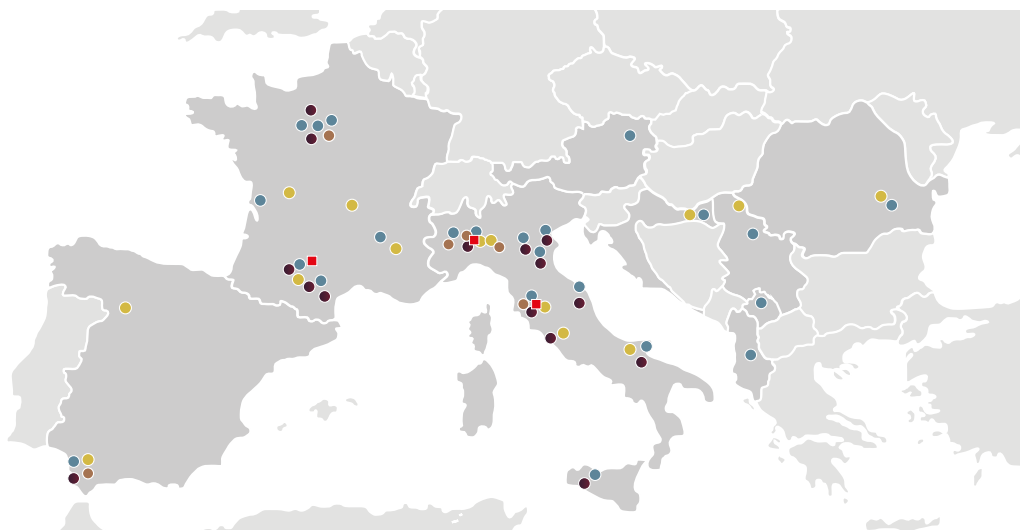
Our breeding activities are based on the evaluation of germplasm from all over the world and the use of advanced techniques such as winter nursery, Single Seed Descent (SSD), shuttle breeding, doubled haploids, molecular markers, and genomic selection.

An extensive trial network, together with cooperation with several industrial partners, ensures thorough agronomic and quality validation.



The network of breeding trials in Europe

● Wheat ● Durum ● Barley ● Triticale ● Breeding station



A close-up photograph of numerous wheat grains, showing their golden-brown color and textured surface. The grains are piled together, with some in sharp focus in the foreground and others blurred in the background. The word "WHEAT" is overlaid in white, bold, sans-serif capital letters in the center of the image.

WHEAT

Growth habitus and planting time

GROWTH HABITUS	WINTER	MID-WINTER	MID-ALTERN.	ALTERNATIVE	SPRING
PLANTING TIME	early	medium		late	
VARIETY	ACCRA AGEN ALFORD AMPARA ANZIO ARDES AUSTIN REBELDE	ALEPPO ALGERI ANTIOCHIA ARTEK	ACUNA	ALAGIR ALAMINOS APULIA BISANZIO	ALBACETE ALEGRIAS ARABIA

Quality and hardness

TOP QUALITY BREAD WHEAT			BISANZIO REBELDE ARDES APULIA ANTIOCHIA AGEN
			ALGERI ————— ARTEK
HIGH QUALITY BREAD WHEAT			ALAMINOS ALEGRIAS* ALEPPO* ALBACETE*
BREAD WHEAT		ACUNA ANZIO ALAGIR ARABIA* AUSTIN	ACCRA ALFORD
BISCUITS WHEAT	AMPARA		
	SOFT	MEDIUM	HARD

* white kernel



Ardes

Top quality bread wheat



FEATURES	HEIGHT	medium
	EAR	awned
	GRAIN COLOUR	red
	GROWTH HABITUS	winter
	EARLINESS	medium

QUALITIES	HECTOLITRIC WEIGHT	good 79-81 kg/hl
	TKW	low 34-36 g
	ALVEOGRAPH	W:320-410 - P/L:0,7-0,9
	HARDNESS	hard
	PROTEIN CONTENT	high

RESISTANCES	LODGING				R
	COLD				R
	MILDEW			MR	
	LEAF RUST				R
	YELLOW RUST				R
	SEPTORIA				R
	FUSARIUM				R

ADVICES Sensitive to Clortoluron



Rebelde

Top quality bread wheat



FEATURES	HEIGHT	medium
	EAR	awned
	GRAIN COLOUR	dark red
	GROWTH HABITUS	winter
	EARLINESS	medium

QUALITIES	HECTOLITRIC WEIGHT	high 81-83 kg/hl
	TKW	low 34-36 g
	ALVEOGRAPH	W:360-460 - P/L:0,6-0,9
	HARDNESS	hard
	PROTEIN CONTENT	very high

RESISTANCES	LODGING				R
	COLD				R
	MILDEW				R
	LEAF RUST		MS		
	YELLOW RUST				R
	SEPTORIA				R
	FUSARIUM				R

ADVICES Tolerant to Clortoluron



Antiochia



High quality bread wheat

FEATURES

HEIGHT	medium-tall
EAR	awned
GRAIN COLOUR	white
GROWTH HABITUS	alternative
EARLINESS	medium-early

QUALITIES

HECTOLITRIC WEIGHT	high 81-83 kg/hl
TKW	medium 37-39 g
ALVEOGRAPH	W:360-460 - P/L:0,6-0,9
HARDNESS	hard
PROTEIN CONTENT	high

RESISTANCES

LODGING				MR
COLD				R
MILDEW				R
LEAF RUST				MR
YELLOW RUST				R
SEPTORIA				MR
FUSARIUM				MR

ADVICES

Sensitive to Clortoluron



Agen



Top quality bread wheat

FEATURES

HEIGHT	medium
EAR	awned
GRAIN COLOUR	red
GROWTH HABITUS	winter
EARLINESS	medium

QUALITIES

HECTOLITRIC WEIGHT	good 79-81 kg/hl
TKW	medium 37-39 g
ALVEOGRAPH	W:260-320 - P/L:0,4-0,6
HARDNESS	hard
PROTEIN CONTENT	good

RESISTANCES

LODGING				R
COLD				R
MILDEW				MR
LEAF RUST				R
YELLOW RUST				R
SEPTORIA				MR
FUSARIUM				MR

ADVICES

Sensitive to Clortoluron

Apulia



Top quality bread wheat

FEATURES

HEIGHT	medium
EAR	awned
GRAIN COLOUR	red
GROWTH HABITUS	alternative
EARLINESS	early

QUALITIES

HECTOLITRIC WEIGHT	good 79-81 kg/hl
TKW	low 34-36 g
ALVEOGRAPH	W:340-440 - P/L:0,7-1,0
HARDNESS	hard
PROTEIN CONTENT	high

RESISTANCES

LODGING				MR
COLD				R
MILDEW				R
LEAF RUST			MS	
YELLOW RUST				R
SEPTORIA				R
FUSARIUM				MR

ADVICES

Tolerant to Clortoluron

Aleppo



High quality bread wheat

FEATURES

HEIGHT	medium
EAR	awned
GRAIN COLOUR	white
GROWTH HABITUS	mid-winter
EARLINESS	medium

QUALITIES

HECTOLITRIC WEIGHT	high 81-83 kg/hl
TKW	low 34-36 g
ALVEOGRAPH	W:280-340 - P/L:0,4-0,6
HARDNESS	hard
PROTEIN CONTENT	high

RESISTANCES

LODGING				MR
COLD				R
MILDEW				MR
LEAF RUST				MR
YELLOW RUST				MR
SEPTORIA				MR
FUSARIUM				MR

ADVICES

Tolerant to Clortoluron

Algeri



High/Top quality bread wheat

FEATURES

HEIGHT	medium
EAR	awned
GRAIN COLOUR	red
GROWTH HABITUS	mid-winter
EARLINESS	medium

QUALITIES

HECTOLITRIC WEIGHT	high 81-83 kg/hl
TKW	good 40-42 g
ALVEOGRAPH	W:280-340 - P/L:0,5-0,7
HARDNESS	hard
PROTEIN CONTENT	good

RESISTANCES

LODGING				R
COLD				R
MILDEW				R
LEAF RUST				R
YELLOW RUST			MR	
SEPTORIA				R
FUSARIUM				R

ADVICES

Tolerant to Clortoluron

Artek



High/Top quality bread wheat

FEATURES

HEIGHT	medium
EAR	awned
GRAIN COLOUR	red
GROWTH HABITUS	mid-winter
EARLINESS	medium

QUALITIES

HECTOLITRIC WEIGHT	high 81-83 kg/hl
TKW	good 40-42 g
ALVEOGRAPH	W:260-320 - P/L:0,4-0,6
HARDNESS	hard
PROTEIN CONTENT	good

RESISTANCES

LODGING				R
COLD				R
MILDEW				R
LEAF RUST				R
YELLOW RUST			MR	
SEPTORIA				R
FUSARIUM				R

ADVICES

Tolerant to Clortoluron

Anzio



Bread wheat

FEATURES	HEIGHT	medium
	EAR	awned
	GRAIN COLOUR	red
	GROWTH HABITUS	winter
	EARLINESS	medium

QUALITIES	HECTOLITRIC WEIGHT	good 79-81 kg/hl
	TKW	high 43-45 g
	ALVEOGRAPH	W:190-270 - P/L:0.6-0.8
	HARDNESS	medium-hard
	PROTEIN CONTENT	medium

RESISTANCES	LODGING				R
	COLD				R
	MILDEW			MR	
	LEAF RUST				R
	YELLOW RUST				R
	SEPTORIA			MR	
	FUSARIUM			MR	

ADVICES Sensitive to Clortoluron

Austin



Bread wheat

FEATURES	HEIGHT	medium
	EAR	awned
	GRAIN COLOUR	red
	GROWTH HABITUS	winter
	EARLINESS	medium-late

QUALITIES	HECTOLITRIC WEIGHT	good 79-81 kg/hl
	TKW	high 43-45 g
	ALVEOGRAPH	W:140-200 - P/L:0.4-0.7
	HARDNESS	medium-hard
	PROTEIN CONTENT	medium

RESISTANCES	LODGING			MR	
	COLD				R
	MILDEW				R
	LEAF RUST			MR	
	YELLOW RUST				R
	SEPTORIA			MR	
	FUSARIUM				R

ADVICES Sensitive to Clortoluron



Alford

Bread wheat



FEATURES

HEIGHT	medium
EAR	awned
GRAIN COLOUR	red
GROWTH HABITUS	winter
EARLINESS	medium-late

QUALITIES

HECTOLITRIC WEIGHT	good 79-81 kg/hl
TKW	high 43-45 g
ALVEOGRAPH	W:140-200 - P/L:0,4-0,6
HARDNESS	medium-hard
PROTEIN CONTENT	medium

RESISTANCES

LODGING				R
COLD				R
MILDEW			MR	
LEAF RUST				R
YELLOW RUST				R
SEPTORIA			MR	
FUSARIUM				R

ADVICES

Sensitive to Clortoluron



Accra

Bread wheat



FEATURES

HEIGHT	medium
EAR	awned
GRAIN COLOUR	red
GROWTH HABITUS	winter
EARLINESS	medium

QUALITIES

HECTOLITRIC WEIGHT	good 79-81 kg/hl
TKW	high 43-45 g
ALVEOGRAPH	W:180-220 - P/L:0,4-0,6
HARDNESS	medium-hard
PROTEIN CONTENT	medium

RESISTANCES

LODGING				R
COLD				R
MILDEW				R
LEAF RUST			MR	
YELLOW RUST				R
SEPTORIA				R
FUSARIUM				R

ADVICES

Sensitive to Clortoluron



Ampara

Biscuits wheat



FEATURES

HEIGHT	medium-tall
EAR	awnless
GRAIN COLOUR	red
GROWTH HABITUS	winter
EARLINESS	medium

QUALITIES

HECTOLITRIC WEIGHT	medium 77-79 kg/hl
TKW	high 43-45 g
ALVEOGRAPH	W:100-120 - P/L:0,2-0,3
HARDNESS	soft
PROTEIN CONTENT	low

RESISTANCES

LODGING				R
COLD				R
MILDEW				R
LEAF RUST			MR	
YELLOW RUST				R
SEPTORIA			MR	
FUSARIUM			MR	

ADVICES

Tolerant to Clortoluron



Alagir

Bread wheat



FEATURES

HEIGHT	tall
EAR	awnless
GRAIN COLOUR	red
GROWTH HABITUS	alternative
EARLINESS	early

QUALITIES

HECTOLITRIC WEIGHT	high 81-83 kg/hl
TKW	medium 37-39 g
ALVEOGRAPH	W:150-200 - P/L:0,6-0,8
HARDNESS	medium-hard
PROTEIN CONTENT	medium

RESISTANCES

LODGING			MR	
COLD				R
MILDEW			MR	
LEAF RUST				R
YELLOW RUST			MR	
SEPTORIA				R
FUSARIUM				R

ADVICES

Sensitive to Clortoluron



Acuna

Bread wheat



FEATURES	HEIGHT	medium
	EAR	awned
	GRAIN COLOUR	red
	GROWTH HABITUS	mid-alternative
	EARLINESS	early

QUALITIES	HECTOLITRIC WEIGHT	good 79-81 kg/hl
	TKW	good 40-42 g
	ALVEOGRAPH	W:150-200 - P/L:0,6-0,8
	HARDNESS	medium-hard
	PROTEIN CONTENT	medium

RESISTANCES	LODGING			MR	
	COLD				R
	MILDEW			MR	
	LEAF RUST				R
	YELLOW RUST				R
	SEPTORIA			MR	
	FUSARIUM				R

ADVICES
Tolerant to Clortoluron



Alaminos

High quality bread wheat



FEATURES	HEIGHT	tall
	EAR	awned
	GRAIN COLOUR	red
	GROWTH HABITUS	alternative
	EARLINESS	medium-early

QUALITIES	HECTOLITRIC WEIGHT	high 81-83 kg/hl
	TKW	medium 37-39 g
	ALVEOGRAPH	W:220-280 - P/L:0,6-0,8
	HARDNESS	hard
	PROTEIN CONTENT	good

RESISTANCES	LODGING				R
	COLD				R
	MILDEW				R
	LEAF RUST			MR	
	YELLOW RUST				R
	SEPTORIA				R
	FUSARIUM				R

ADVICES
Tolerant to Clortoluron



Albacete



High quality bread wheat

FEATURES

HEIGHT	medium
EAR	awned
GRAIN COLOUR	white
GROWTH HABITUS	spring
EARLINESS	early

QUALITIES

HECTOLITRIC WEIGHT	good 79-81 kg/hl
TKW	medium 37-39 g
ALVEOGRAPH	W:200-280 - P/L:0,6-0,8
HARDNESS	hard
PROTEIN CONTENT	high

RESISTANCES

LODGING				R
COLD			MR	
MILDEW				R
LEAF RUST				R
YELLOW RUST				R
SEPTORIA				R
FUSARIUM			MR	

ADVICES

Tolerant to Clortoluron



Alegrias



High quality bread wheat



FEATURES

HEIGHT	medium-tall
EAR	awned
GRAIN COLOUR	white
GROWTH HABITUS	spring
EARLINESS	early

QUALITIES

HECTOLITRIC WEIGHT	good 79-81 kg/hl
TKW	medium 37-39 g
ALVEOGRAPH	W:200-280 - P/L:0,7-1,0
HARDNESS	hard
PROTEIN CONTENT	high

RESISTANCES

LODGING			MR	
COLD			MR	
MILDEW				R
LEAF RUST				R
YELLOW RUST				R
SEPTORIA		MS		
FUSARIUM			MR	

ADVICES

Tolerant to Clortoluron



Arabia

Bread wheat



FEATURES	HEIGHT	medium-tall
	EAR	awned
	GRAIN COLOUR	white
	GROWTH HABITUS	spring
	EARLINESS	early

QUALITIES	HECTOLITRIC WEIGHT	high 81-83 kg/hl
	TKW	good 40-42 g
	ALVEOGRAPH	W:150-205 - P/L:0,3-0,5
	HARDNESS	medium-hard
	PROTEIN CONTENT	good

RESISTANCES	LODGING			MR	
	COLD				R
	MILDEW			MR	
	LEAF RUST		MS		
	YELLOW RUST		MS		
	SEPTORIA		MS		
	FUSARIUM			MR	

ADVICES Sensitive to Clortoluron



Bisanzio

Top quality bread wheat



FEATURES	HEIGHT	medium
	EAR	awned
	GRAIN COLOUR	amber
	GROWTH HABITUS	alternative
	EARLINESS	medium-early

QUALITIES	HECTOLITRIC WEIGHT	good 79-81 kg/hl
	TKW	high 43-45 g
	ALVEOGRAPH	W:340-440 - P/L:0,7-1,0
	HARDNESS	hard
	PROTEIN CONTENT	high

RESISTANCES	LODGING				R
	COLD				R
	MILDEW				R
	LEAF RUST		MS		
	YELLOW RUST		MS		
	SEPTORIA			MR	
	FUSARIUM			MR	

ADVICES Tolerant to Clortoluron



It is an exclusive **apsoV** patented system, based on three key elements:

Genetics: varieties suitable for early sowing, with a high tillering capacity.

Packaging: by number of seeds (units) rather than by weight.

Technology: a combination of the best seed treatments to ensure both nutrition and protection against fungi and insects.

The cost per hectare is comparable to traditional sowing, making QUALIDOSE a solution that ensures maximum economic efficiency. The field results are impressive.



Sepiret Silver®

- **film coating**: ensures better seed adhesion, reducing dust and improving seed smoothness

LANGIS®

- **pyrethroid insecticide**: effective against wireworms and other soil insects during the early stages of plant growth

Ympact®

- **fertilizer**: improves germination thanks to its complex of organic-mineral substances

Systiva®

- **fungicide**: guarantees a greater number of flowering healthy plants and helps control foliar diseases

Why Choose QUALIDOSE ?

- High-performing variety portfolio
- High reliability for early sowing
- Protection against fungi and insects
- Highly effective special seed treatments
- Ideal seeding rate
- Exceptional cost-to-performance ratio

	Variety	Type	Planting rate	Bags/ha	seeds/bag
			seeds/mq	no.	no.
WHEAT	ACUNA	Bread	300	4	750.000
DURUM	PLATONE	High quality	285	5	570.000
BARLEY	FENICE	Six rows feed	200	5	400.000
	IDRA	Two rows feed	225	5	450.000
TRITICALE	TOLOMEO	Biomass	300	4	750.000

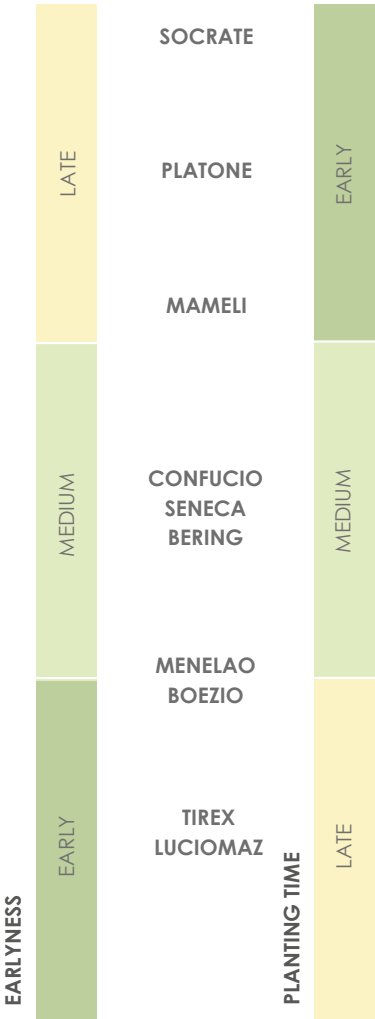
A close-up photograph of durum wheat grains, showing their characteristic elongated, ribbed shape and golden-brown color. The grains are piled together, with some in sharp focus in the foreground and others blurred in the background. The word "DURUM" is overlaid in the center in a bold, white, sans-serif font.

DURUM

Quality classification of main durum wheat varieties

Earliness and planting time

VARIETY	POSITIVE	NEGATIVE
HIGH QUALITY (> 105)		
AUREO (test)	protein	yield
BERING	yellow ind. + gluten	
CONFUCIO		
MAMELI	yellow ind. + gluten	
PLATONE	yellow ind. + gluten	
SARAGOLLA (test)	gluten	protein
SOCRATE	yellow ind. + gluten	
SVEVO	protein	yield
TIREX	protein	
GOOD QUALITY (105-100)		
CLAUDIO (test)		yellow index
BOEZIO		
LUCIOMAZ		
MENELAO		
SENECA		
SIMETO (test)		
LOW QUALITY (< 95)		
IRIDE		protein



Global quality index =
protein (40%) + gluten index (30%) + yellow index (20%) +spec. weight (10%)

Main source: C.R.E.A. / Data processing: Apsovementi



Socrate



High quality durum wheat

FEATURES	HEIGHT	medium-short
	EAR	not hairy
	AWNS COLOUR	white
	EARLINESS	medium-late

QUALITIES	HECTOLITRIC WEIGHT	high 82-84 kg/hl
	TKW	high 50-52 g
	VITROSITY	high
	PROTEIN CONTENT	good
	GLUTEN INDEX	high 85-95
	YELLOW INDEX	high 24-26

RESISTANCES	LODGING				R
	COLD				R
	MILDEW				R
	LEAF RUST			MR	
	YELLOW RUST				R
	SEPTORIA				R
	FUSARIUM			MR	



Bolivar



High quality durum wheat

FEATURES	HEIGHT	medium
	EAR	not hairy
	AWNS COLOUR	white
	EARLINESS	late

QUALITIES	HECTOLITRIC WEIGHT	high 82-84 kg/hl
	TKW	high 50-52 g
	VITROSITY	high
	PROTEIN CONTENT	good
	GLUTEN INDEX	high 85-95
	YELLOW INDEX	high 24-26

RESISTANCES	LODGING				R
	COLD				R
	MILDEW				R
	LEAF RUST				R
	YELLOW RUST				R
	SEPTORIA				R
	FUSARIUM			MR	



Platone

High quality durum wheat



FEATURES	HEIGHT	medium
	EAR	hairy
	AWNS COLOUR	black
	EARLINESS	medium

QUALITIES	HECTOLITRIC WEIGHT	high 82-84 kg/hl
	TKW	high 50-52 g
	VITROSITY	high
	PROTEIN CONTENT	high
	GLUTEN INDEX	high 85-95
	YELLOW INDEX	high 24-26

RESISTANCES	LODGING				R
	COLD				R
	MILDEW				R
	LEAF RUST			MR	
	YELLOW RUST			MR	
	SEPTORIA				R
	FUSARIUM				R



Confucio

High quality durum wheat



FEATURES	HEIGHT	medium
	EAR	not hairy
	AWNS COLOUR	black
	EARLINESS	medium

QUALITIES	HECTOLITRIC WEIGHT	good 80-82 kg/hl
	TKW	good 47-49 g
	VITROSITY	high
	PROTEIN CONTENT	high
	GLUTEN INDEX	high 85-95
	YELLOW INDEX	high 24-26

RESISTANCES	LODGING			MR	
	COLD				R
	MILDEW		MS		
	LEAF RUST				R
	YELLOW RUST				R
	SEPTORIA			MR	
	FUSARIUM			MR	

Seneca



Good quality durum wheat

FEATURES	HEIGHT	medium
	EAR	hairy
	AWNS COLOUR	black
	EARLINESS	medium

QUALITIES	HECTOLITRIC WEIGHT	high 82-84 kg/hl
	TKW	high 50-52 g
	VITROSITY	high
	PROTEIN CONTENT	good
	GLUTEN INDEX	good 75-85
	YELLOW INDEX	good 22-24

RESISTANCES	LODGING			MR
	COLD			R
	MILDEW			MR
	LEAF RUST			R
	YELLOW RUST			R
	SEPTORIA			MR
	FUSARIUM			MR

Bering



High quality durum wheat

FEATURES	HEIGHT	medium-tall
	EAR	not hairy
	AWNS COLOUR	white
	EARLINESS	medium

QUALITIES	HECTOLITRIC WEIGHT	high 82-84 kg/hl
	TKW	high 50-52 g
	VITROSITY	high
	PROTEIN CONTENT	high
	GLUTEN INDEX	high 85-95
	YELLOW INDEX	high 24-26

RESISTANCES	LODGING			MR
	COLD			R
	MILDEW			R
	LEAF RUST			MR
	YELLOW RUST			R
	SEPTORIA		MS	
	FUSARIUM			MR



Menelao



Good quality durum wheat

FEATURES

HEIGHT	medium-tall
EAR	not hairy
AWNS COLOUR	white
EARLINESS	medium-early

QUALITIES

HECTOLITRIC WEIGHT	high 82-84 kg/hl
TKW	high 50-52 g
VITROSITY	high
PROTEIN CONTENT	good
GLUTEN INDEX	good 75-85
YELLOW INDEX	high 24-26

RESISTANCES

LODGING				R
COLD			MR	
MILDEW				R
LEAF RUST			MR	
YELLOW RUST				R
SEPTORIA			MR	
FUSARIUM			MR	



Boezio



Good quality durum wheat

FEATURES

HEIGHT	medium-tall
EAR	not hairy
AWNS COLOUR	brown
EARLINESS	medium-early

QUALITIES

HECTOLITRIC WEIGHT	high 82-84 kg/hl
TKW	good 47-49 g
VITROSITY	high
PROTEIN CONTENT	medium
GLUTEN INDEX	good 75-85
YELLOW INDEX	good 22-24

RESISTANCES

LODGING				R
COLD				R
MILDEW			MR	
LEAF RUST				R
YELLOW RUST				R
SEPTORIA			MR	
FUSARIUM			MR	



Tirex



High quality durum wheat

FEATURES	HEIGHT	medium-tall
	EAR	hairy
	AWNS COLOUR	brown
	EARLINESS	early

QUALITIES	HECTOLITRIC WEIGHT	good 80-82 kg/hl
	TKW	high 50-52 g
	VITROSITY	high
	PROTEIN CONTENT	high
	GLUTEN INDEX	high 85-95
	YELLOW INDEX	high 24-26

RESISTANCES	LODGING			MR
	COLD			MR
	MILDEW			R
	LEAF RUST		MS	
	YELLOW RUST		MS	
	SEPTORIA			MR
	FUSARIUM			MR



Luciomaz



Good quality durum wheat

FEATURES	HEIGHT	medium-tall
	EAR	hairy
	AWNS COLOUR	brown
	EARLINESS	early

QUALITIES	HECTOLITRIC WEIGHT	high 82-84 kg/hl
	TKW	good 47-49 g
	VITROSITY	good
	PROTEIN CONTENT	good
	GLUTEN INDEX	good 75-85
	YELLOW INDEX	good 22-24

RESISTANCES	LODGING				R
	COLD				R
	MILDEW			MR	
	LEAF RUST				R
	YELLOW RUST				R
	SEPTORIA			MR	
	FUSARIUM			MR	



OTHER CEREALS



Cometa



Two rows feed barley

FEATURES	HEIGHT	medium-short
	EAR	two rows
	EARLINESS	medium-early
	GROWTH HABITUS	mid-alternative

QUALITIES	HECTOLITRIC WEIGHT	high 68-72 kg/hl
	TKW	high 48-54 g
	PROTEIN CONTENT	good

RESISTANCES	LODGING				R
	COLD			MR	
	MILDEW				R
	NET BLOTCH			MR	
	RHYNCHOSPORIUM			MR	
	BYMV				R
	BYDV				R



Idra



Two rows feed barley

FEATURES	HEIGHT	short
	EAR	two rows
	EARLINESS	early
	GROWTH HABITUS	mid-alternative

QUALITIES	HECTOLITRIC WEIGHT	high 68-72 kg/hl
	TKW	high 48-54 g
	PROTEIN CONTENT	good

RESISTANCES	LODGING				R
	COLD				R
	MILDEW				R
	NET BLOTCH			MR	
	RHYNCHOSPORIUM			MR	
	BYMV				R
	BYDV				R



Orione



Two rows feed barley

FEATURES	HEIGHT	medium-short
	EAR	two rows
	EARLINESS	medium-early
	GROWTH HABITUS	winter

QUALITIES	HECTOLITRIC WEIGHT	high 68-72 kg/hl
	TKW	high 48-54 g
	PROTEIN CONTENT	good

RESISTANCES	LODGING				R
	COLD				R
	MILDEW				R
	NET BLOTCH				R
	RHYNCHOSPORIUM			MR	
	BYMV				R
	BYDV				R



Spazio



Two rows feed barley

FEATURES	HEIGHT	medium
	EAR	two rows
	EARLINESS	medium
	GROWTH HABITUS	winter

QUALITIES	HECTOLITRIC WEIGHT	high 68-72 kg/hl
	TKW	high 48-54 g
	PROTEIN CONTENT	good

RESISTANCES	LODGING			MR	
	COLD				R
	MILDEW				R
	NET BLOTCH				R
	RHYNCHOSPORIUM			MR	
	BYMV				R
	BYDV				R



Virgini



Two rows feed barley

FEATURES	HEIGHT	medium
	EAR	two rows
	EARLINESS	medium
	GROWTH HABITUS	alternative

QUALITIES	HECTOLITRIC WEIGHT	good 64-67 kg/hl
	TKW	high 48-54 g
	PROTEIN CONTENT	high

RESISTANCES	LODGING			MR	
	COLD				R
	MILDEW				R
	NET BLOTCH				R
	RHYNCHOSPORIUM				R
	BYMV				R
	BYDV				R



Tauri



Two rows feed barley

FEATURES	HEIGHT	medium-short
	EAR	two rows
	EARLINESS	medium-early
	GROWTH HABITUS	mid-alternative

QUALITIES	HECTOLITRIC WEIGHT	high 68-72 kg/hl
	TKW	high 48-54 g
	PROTEIN CONTENT	medium

RESISTANCES	LODGING				R
	COLD				R
	MILDEW				R
	NET BLOTCH			MR	
	RHYNCHOSPORIUM			MR	
	BYMV				R
	BYDV				R



Draco



Six rows feed barley

FEATURES	HEIGHT	medium
	EAR	six rows
	EARLINESS	medium-early
	GROWTH HABITUS	mid-alternative

QUALITIES	HECTOLITRIC WEIGHT	high 68-72 kg/hl
	TKW	medium 39-43 g
	PROTEIN CONTENT	good

RESISTANCES	LODGING			MR
	COLD			R
	MILDEW			R
	NET BLOTCH		MS	
	RHYNCHOSPORIUM			MR
	BYMV			R
	BYDV			R



Fenice



Six rows feed barley

FEATURES	HEIGHT	tall
	EAR	six rows
	EARLINESS	early
	GROWTH HABITUS	mid-alternative

QUALITIES	HECTOLITRIC WEIGHT	good 64-67 kg/hl
	TKW	medium 39-43 g
	PROTEIN CONTENT	good

RESISTANCES	LODGING			MR
	COLD			R
	MILDEW			R
	NET BLOTCH		MS	
	RHYNCHOSPORIUM			R
	BYMV			R
	BYDV			R



Bilancia



Six rows feed barley

FEATURES	HEIGHT	medium-tall
	EAR	six rows
	EARLINESS	medium-late
	GROWTH HABITUS	winter

QUALITIES	HECTOLITRIC WEIGHT	medium 59-63 kg/hl
	TKW	medium 39-43 g
	PROTEIN CONTENT	good

RESISTANCES	LODGING				R
	COLD				R
	MILDEW				R
	NET BLOTCH				R
	RHYNCHOSPORIUM				R
	BYMV				R
	BYDV	S			



Plutone



Six rows feed barley

FEATURES	HEIGHT	medium-tall
	EAR	six rows
	EARLINESS	medium
	GROWTH HABITUS	mid-winter

QUALITIES	HECTOLITRIC WEIGHT	high 68-72 kg/hl
	TKW	high 48-54 g
	PROTEIN CONTENT	good

RESISTANCES	LODGING				R
	COLD				R
	MILDEW				R
	NET BLOTCH				R
	RHYNCHOSPORIUM			MR	
	BYMV				R
	BYDV	S			



Pan



Six rows feed barley

FEATURES

HEIGHT	medium-tall
EAR	six rows
EARLINESS	medium-early
GROWTH HABITUS	winter

QUALITIES

HECTOLITRIC WEIGHT	high 68-72 kg/hl
TKW	high 48-54 g
PROTEIN CONTENT	good

RESISTANCES

LODGING				R
COLD				R
MILDEW				R
NET BLOTCH			MR	
RHYNCHOSPORIUM		MS		
BYMV				R
BYDV	S			



Narciso

Purpose: biomass, grain



FEATURES

HEIGHT	tall
EAR	long, curved
EARLINESS	medium
GROWTH HABITUS	winter

QUALITIES

HECTOLITRIC WEIGHT	high
TKW	medium
PURPOSE	biomass, grain

RESISTANCES

LODGING				R
COLD				R
MILDEW				R
LEAF RUST				R
YELLOW RUST				R
SEPTORIA				R

Tolomeo

Purpose: biomass, grain



FEATURES

HEIGHT	very high
EAR	long, awnless
EARLINESS	medium-late
GROWTH HABITUS	alternative

QUALITIES

HECTOLITRIC WEIGHT	medium
TKW	medium
PURPOSE	biomass

RESISTANCES

LODGING			MR	
COLD				R
MILDEW			MR	
LEAF RUST				R
YELLOW RUST		MS		
SEPTORIA			MR	

Sileno

Purpose: biomass, grain



FEATURES	HEIGHT	tall
	EAR	long, curved
	EARLINESS	medium-early
	GROWTH HABITUS	mid-alternative

QUALITIES	HECTOLITRIC WEIGHT	high
	TKW	good
	PURPOSE	biomass, grain

RESISTANCES	LODGING				R
	COLD				R
	MILDEW				R
	LEAF RUST				R
	YELLOW RUST		MS		
	SEPTORIA			MR	

Etere

Purpose: biomass, grain



FEATURES	HEIGHT	medium-tall
	EAR	long, erect
	EARLINESS	early
	GROWTH HABITUS	alternative

QUALITIES	HECTOLITRIC WEIGHT	high
	TKW	medium
	PURPOSE	biomass, grain

RESISTANCES	LODGING				R
	COLD				R
	MILDEW			MR	
	LEAF RUST			MR	
	YELLOW RUST				R
	SEPTORIA				R



Prevision

Genealogia



FEATURES

HEIGHT	medium-tall
EARLINESS	medium-early
GRAIN COLOUR	red
STEM	medium-large

QUALITIES

HECTOLITRIC WEIGHT	medium
TKW	high
PROTEIN CONTENT	medium
PURPOSE	forage and grain

RESISTANCES

LODGING	S	
COLD		MS
CROWN RUST		MS

Genziana

Genealogia

FEATURES

HEIGHT	medium
EARLINESS	medium-early
GRAIN COLOUR	white
STEM	medium

QUALITIES

HECTOLITRIC WEIGHT	medium
TKW	high
PROTEIN CONTENT	medium
PURPOSE	forage and grain

RESISTANCES

LODGING				R
COLD			MR	
CROWN RUST		MS		

Hamel

Genealogia



FEATURES

HEIGHT	medium-tall
EARLINESS	medium-late
GRAIN COLOUR	white
STEM	medium

QUALITIES

HECTOLITRIC WEIGHT	good
TKW	high
PROTEIN CONTENT	good
PURPOSE	forage and grain

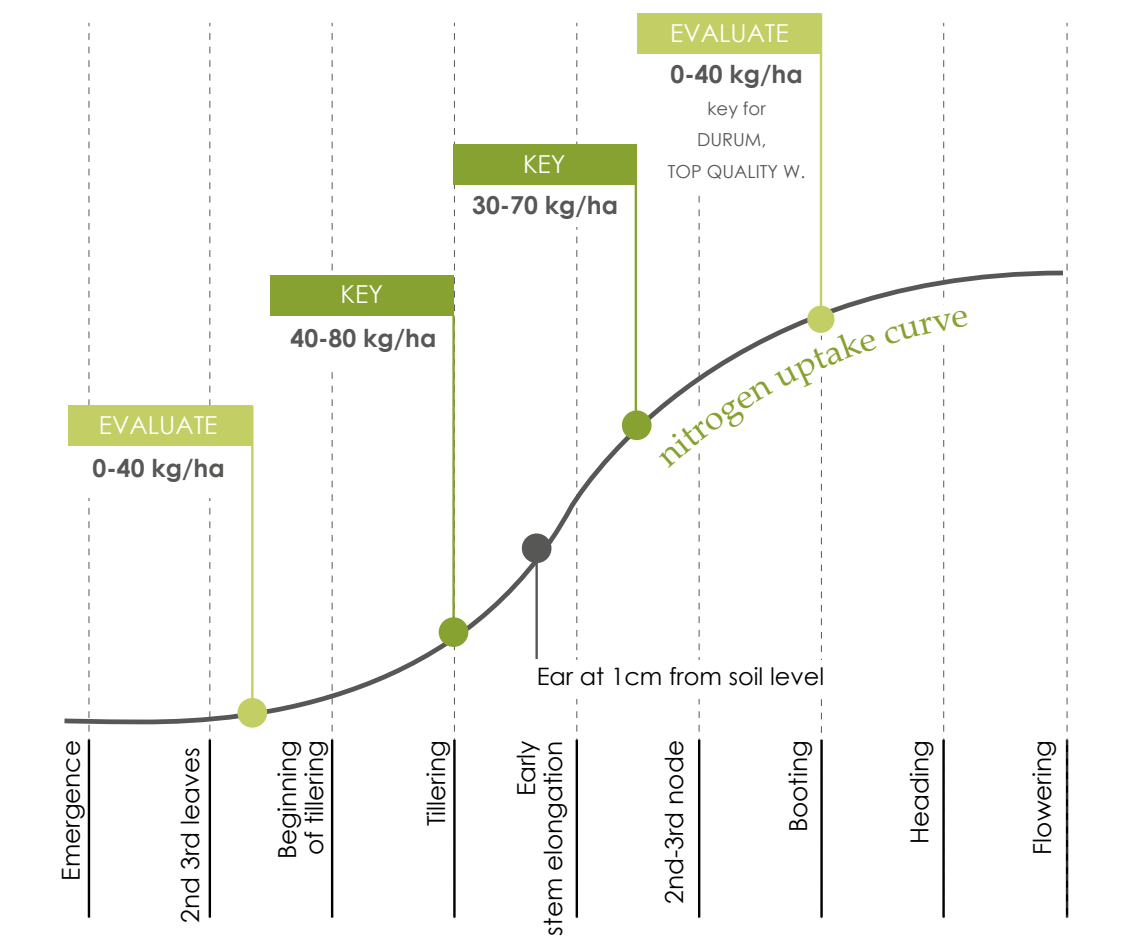
RESISTANCES

LODGING			MR
COLD			MR
CROWN RUST			MR

Nitrogen fertilization for straw cereals

Average nitrogen requirement per Ton of grain produced

Species/or quality class	DURUM TOP QUAL. BREAD	HIGH QUAL. BREAD WHEAT	BREAD WHEAT	TRITICALE	BISCUITS WHEAT	BARLEY - OAT
Kg of Nitrogen	31	28	25	23	21	18



IT'S IMPORTANT TO REMEMBER THAT:

- Nitrogen input must be scheduled with the aim of supplying the plant with the right amount of this nutrient, taking into account the plant development stage, the growing environment and the yield target.
- High inputs in the early stages can lead to an hyper-vegetation, with the following possible effects: increased risk of diseases and lodging, imbalance between the vegetative and the reproductive phase.
- Later nitrogen applications - from the stem elongation phase onwards - directly impact on the accumulation of proteins in the kernels.
- Staggered nitrogen inputs are always recommended to improve the absorption efficiency of nutrients and to match the growing needs of the crop.

Faquir



FEATURES

HEIGHT	medium-tall
EARLINESS	medium-late
GRAIN COLOUR	green
GROWTH HABITUS	winter

QUALITIES

HECTOL. WEIGHT	good
TKW	220-240 g
PROTEIN CONTENT	good
PURPOSE	grain, food

RESISTANCES

LODGING				MR
COLD				R
DEHISCENCE				R

Furious



FEATURES

HEIGHT	medium-tall
EARLINESS	medium
GRAIN COLOUR	yellow
GROWTH HABITUS	winter

QUALITIES

HECTOL. WEIGHT	high
TKW	190-230 g
PROTEIN CONTENT	good
PURPOSE	grain

RESISTANCES

LODGING				MR
COLD				R
DEHISCENCE				R



Galactic



FEATURES	HEIGHT	medium
	EARLINESS	early
	GRAIN COLOUR	yellow
	GROWTH HABITUS	alternative

QUALITIES	HECTOL. WEIGHT	good
	TKW	200-240 g
	PROTEIN CONTENT	good
	PURPOSE	grain

RESISTANCES	LODGING			MR
	COLD			R
	DEHISCENCE			R

Peps



FEATURES	HEIGHT	medium
	EARLINESS	medium
	GRAIN COLOUR	green
	GROWTH HABITUS	spring

QUALITIES	HECTOL. WEIGHT	good
	TKW	200-240 g
	PROTEIN CONTENT	good
	PURPOSE	grain, food

RESISTANCES	LODGING			MR
	COLD			MR
	DEHISCENCE			R

LG Auris



FEATURES	HEIGHT	medium
	EARLINESS	medium-early
	GRAIN COLOUR	yellow
	GROWTH HABITUS	alternative

QUALITIES	HECTOL. WEIGHT	high
	TKW	200-240 g
	PROTEIN CONTENT	good
	PURPOSE	grain

RESISTANCES	LODGING			MR
	COLD			R
	DEHISCENCE			R



Frida

Purpose: **animal feed**



FEATURES	HEIGHT	medium
	EARLINESS	early
	GRAIN COLOUR	light brown
	FLOWER COLOUR	white

QUALITIES	TKW	medium 400-550 g
	PROTEIN CONTENT	good
	ANTINUTR. FACTORS	medium

RESISTANCES	LODGING				R
	DEHISCENCE				R
	ANTHRACNOSE			MR	
	BROWN RUST			MR	
	COLD				R

Irena

Purpose: **animal feed**



FEATURES	HEIGHT	medium
	EARLINESS	early
	GRAIN COLOUR	light-brown
	FLOWER COLOUR	white

QUALITIES	TKW	high 550-700 g
	PROTEIN CONTENT	good
	ANTINUTR. FACTORS	low

RESISTANCES	LODGING				R
	DEHISCENCE				R
	ANTHRACNOSE			MR	
	BROWN RUST		MS		
	COLD				R

Prothabat

Purpose: Purpose: **animal feed**



FEATURES	HEIGHT	medium
	EARLINESS	early
	GRAIN COLOUR	light brown
	FLOWER COLOUR	white

QUALITIES	TKW	high 550-700 g
	PROTEIN CONTENT	good
	ANTINUTR. FACTORS	medium

RESISTANCES	LODGING			MR	
	DEHISCENCE				R
	ANTHRACNOSE		MS		
	BROWN RUST			MR	
	COLD			MR	

CHICKPEA: crop management

From December to late April in the northern regions a minimum temperature of 9–10°C is required for germination. To obtain 35–45 plants/m², a seeding rate of 150–240 kg/ha is required, depending on the thousand kernel weight (TKW). The distance between rows is 45–50 cm for hoed crops and 30–35 cm when using a universal cereal planter. Rolling is recommended, as it protects the seeds from the anti-germination effect of herbicide treatments and facilitates harvesting.

Chickpea is a pulse with nitrogen-fixing activity, carried out by symbiotic bacteria of the genus *Rhizobium*. Therefore, a single basal fertilization is recommended, using 200–300 kg/ha of single superphosphate, or 5–20 units of phosphorus applied locally at sowing.

To provide a starter effect under adverse conditions (significant nitrogen deficiency, strong runoff before sowing or crop processions particularly exploitings), 100–150 kg/ha of diammonium phosphate (DAP 18-46) should be applied.

Pre-emergence: Pendimethalin (e.g. Stomp Aqua: 1.0–1.75 L/ha).

Pendimethalin (e.g. Stomp Aqua: 1.0–1.75 L/ha) + aclonifen (Challenge: 2.0 L/ha).

Post-emergence: Pyridate (e.g. Lentagran 45 WP: 1.2–1.8 kg/ha) for the dicotyledonous control.

Harvesting can be carried out once the moisture content reaches 14%, using a combine harvester, preferably an axial-flow combine harvester.

Settings: beater speed 350–500 rpm, large-hole sieves, and maximum ventilation.

SOWING

NUTRITION

WEED CONTROL

HARVEST



Alamo

Purpose: food



FEATURES	HEIGHT	medium 60-70 cm
	PLANT	mid-erect
	EARLINESS	medium
	FLOWER COLOUR	white
	GROWTH HABITUS	alternative

QUALITIES	GRAIN TYPE	rough
	TKW	380-470 g
	CALIBER >9	45%
	CALIBER >8	45%
	CALIBER >7	10%

*average data based on TKW of 420 g

RESISTANCES	LODGING				R
	COLD			MR	
	DEHISCENCE				R
	ASCOCHYTA R.			MR	

Apache

Purpose: food



FEATURES

HEIGHT	medium 60-70 cm
PLANT	mid-erect
EARLINESS	medium-late
FLOWER COLOUR	white
GROWTH HABITUS	alternative

QUALITIES

GRAIN TYPE	rough
TKW	400-490 g
CALIBER >9	55%
CALIBER >8	40%
CALIBER >7	5%

average data based on TKW of 440 g

RESISTANCES

LODGING				R
COLD			MR	
DEHISCENCE				R
ASCOCHYTA R.			MR	

Allen

Purpose: food



FEATURES

HEIGHT	medium-tall 65-75 cm
PLANT	mid-erect
EARLINESS	medium
FLOWER COLOUR	white
GROWTH HABITUS	alternative

QUALITIES

GRAIN TYPE	smooth
TKW	300-350 g
CALIBER >8	40%
CALIBER >7	60%

average data based on TKW of 340 g

RESISTANCES

LODGING				R
COLD			MR	
DEHISCENCE				R
ASCOCHYTA R.			MR	



FORAGE CROP



Lorenzo

Purpose: forage, cover crop

Common vetch



FEATURES

HEIGHT	medium-tall
EARLINESS	medium-early
GRAIN COLOUR	branched
FLOWER COLOUR	purple pink

QUALITIES

TKW	medium
-----	--------

RESISTANCES

LODGING			MR	
DEHISCENCE				R
STRESS			MR	
COLD			MR	

Villotta

Purpose: forage, cover crop

Hairy vetch



FEATURES

HEIGHT	medium
EARLINESS	medium
GRAIN COLOUR	very branched
FLOWER COLOUR	blue

QUALITIES

TKW	low
-----	-----

RESISTANCES

LODGING		MS		
DEHISCENCE				R
STRESS				R
COLD				R



Galactico

Purpose: hay, silage

Lolium Westervoldicum Tetra



FEATURES

HEIGHT	tall
STEM DIMENSION	medium
EARLINESS	early
GROWTH HABITUS	alternative
REGROWTH	low

RESISTANCES

LODGING				MR
COLD				R

Surrey Nova

Purpose: hay

Lolium Westervoldicum Diplo



FEATURES

HEIGHT	tall
STEM DIMENSION	thin
EARLINESS	early
GROWTH HABITUS	alternative
REGROWTH	low

RESISTANCES

LODGING				R
COLD				R

Realfieno

Purpose: hay, pasture, cover crop

Forage mixtures

FEATURES

HEIGHT	medium-tall
EARLINESS	medium
GROWTH HABITUS	winter
REGROWTH	high

QUALITIES

LATE DACTYLIS GLOMERATA	30%
LATE FESTUCA ARUNDINACEA	20%
PERENNIAL TETRAPLOID LOLIUM	15%
PERENNIAL DIPLOID LOLIUM	10%
PHLEUM PRATENSE	10%
TRIFOLIUM PRATENSE	10%
TRIFOLIUM REPENS (WHITE CLOVER)	5%

RESISTANCES

LODGING				R
COLD				R

Italturbo

Purpose: hay, silage

Raygrass mix

FEATURES

HEIGHT	tall
EARLINESS	medium-late
GROWTH HABITUS	winter
REGROWTH	good

QUALITIES

TETRAPLOID LOLIUM ITALICUM	50%
DIPLOID LOLIUM ITALICUM	30%
TETRAPLOID LOLIUM WESTERVOLDICUM	20%

RESISTANCES

LODGING				R
COLD			MR	





Super OM

Purpose: hay and silage

Awnless barleys blend



FEATURES	HEIGHT	tall
	EARLINESS	early
	GROWTH HABITUS	alternative

QUALITIES	TWO ROWS AWNLESS BARLEY	weight	5%	no. of seeds	5%
	SIX ROWS AWNLESS BARLEY		95%		95%

RESISTANCES	LODGING			MR
	COLD			MR
	MILDEW			MR
	NET BLOTCH			MR
	RHYNCHOSPORIUM			MR



Super TM

Purpose: hay and silage

Awnless triticales and wheats blend



FEATURES	HEIGHT	very tall
	EARLINESS	medium
	GROWTH HABITUS	alternative

QUALITIES	AWNLESS SOFT WHEAT	weight	30%	no. of seeds	29%
	AWNLESS TRITICALE TALL SIZE		35%		35%
	AWNLESS TRITICALE VERY TALL SIZE		35%		36%

RESISTANCES	LODGING			MR
	COLD			R
	MILDEW			R

Loietto Pro

Purpose: hay and silage

Cereals and pulses mix



FEATURES	HEIGHT	medium-tall
	EARLINESS	medium
	GROWTH HABITUS	winter

RESIST.	LODGING			MR
	COLD			R

* NUTRITIONAL DATA	DM	35,0	[%]
	PROTEIN	12,0	[%DM]
	FAT	2,5	[%DM]
	ADF	28,0	[%DM]
	ADL	4,1	[%DM]
	NDF	52,0	[%DM]

*average analysis data on silage
after 1 withering day

COMPOSITION	WHEAT	60%	31%
	OAT	15%	10%
	VETCH	15%	8%
	RAYGRASS	10%	51%

COMPOSITION	ASH	7,5	[%S.S.]
	LACTIC ACID	1,6	[%S.S.]
	ACETIC ACID	0,5	[%S.S.]
	AMMON. NITROGEN	2,9	[%Nsol/Ntot]
	PH	4,0	
	NDF DIGEST. AT 30H	58,0	[%NDF]

Trilo Pro

Purpose: green forage, hay and pasture

Cereals and pulses mix



FEATURES	HEIGHT	medium-tall
	EARLINESS	medium
	GROWTH HABITUS	winter

RESIST.	LODGING			MR
	COLD			R

* NUTRITIONAL DATA	DM	86,0	[%]
	PROTEIN	14,5	[%DM]
	FAT	3	[%DM]
	ADF	37,0	[%DM]
	ADL	6,0	[%DM]
	NDF	57,0	[%DM]

*average analysis data on silage
after 1 withering day

COMPOSITION	WHEAT	30%	11%
	OAT	35%	19%
	VETCH	15%	4%
	RAYGRASS	10%	36%
	EGYPT.+CRIM. CLOVER	10%	30%

QUALITIES	ASH	9,0	[%S.S.]
	NDF DIGEST. AT 30H	55	[%NDF]
	SOLUBLE PROTEIN	45	[%Nsol/Ntot]

Mantova Pro

Purpose: hay and silage

Cereals and pulses mix



FEATURES	HEIGHT	tall
	EARLINESS	medium-late
	GROWTH HABITUS	winter

COMPOSITION	WHEAT	74%	no. of seeds	70%
	OAT	13%		17%
	VETCH	13%		13%

RESIST.	LODGING				R
	COLD				R

* NUTRITIONAL DATA	DM	29,0	[%]
	PROTEIN	12,5	[%DM]
	FAT	2,9	[%DM]
	ADF	32,0	[%DM]
	ADL	5,0	[%DM]
	NDF	55,0	[%DM]

*average analysis data on silage

QUALITIES	ASH	8,0	[%S.S.]
	LACTIC ACID	2,4	[%S.S.]
	ACETIC ACID	0,8	[%S.S.]
	AMMON. NITROGEN	6,0	[% NH4/N]
	PH	4,0	
	NDF DIGEST. AT 30H	62,0	[%NDF]

Silos Pro

Purpose: silage

Cereals and pulses mix



FEATURES	HEIGHT	tall
	EARLINESS	medium
	GROWTH HABITUS	winter

COMPOSITION	WHEAT	22%	no. of seeds	40%
	VETCH	10%		10%
	TRITICALE	16%		25%
	PEA	52%		25%

RESIST.	LODGING				R
	COLD				R

* NUTRITIONAL DATA	DM	29,0	[%]
	PROTEIN	13,3	[%DM]
	FAT	2,7	[%DM]
	ADF	33,0	[%DM]
	ADL	5,5	[%DM]
	NDF	51,0	[%DM]

*average analysis data on silage

QUALITIES	ASH	8	[%S.S.]
	LACTIC ACID	2,4	[%S.S.]
	ACETIC ACID	0,8	[%S.S.]
	AMMON. L NITROGEN	7,0	[% NH4/N]
	PH	4,2	
	NDF DIGEST. AT 30H	57,0	[%NDF]



La Torre

Purpose: hay, silage, dehydrated

FEATURES

PLANT	erect
HEIGHT	medium-tall
STEM DIMENSION	medium-thin
BRANCHING	high
EARLINESS	mid-early
DORMANCY	dormient (5-6)
AFTER WINTER REGR.	mid-early

QUALITIES

REGROWTH SPEED	very fast
STEM / LEAVES RATIO	good
LONGEVITY	high
TOLER. TO TRAMPLING	high
STRESS TOLERANCE	good



Isola

Purpose: hay, silage, dehydrated

FEATURES

PLANT	erect
HEIGHT	tall
STEM DIMENSION	medium-thin
BRANCHING	high
EARLINESS	early
DORMANCY	dormient (5-6)
AFTER WINTER REGR.	mid-early

QUALITIES

REGROWTH SPEED	fast
STEM / LEAVES RATIO	high
LONGEVITY	good
TOLER. TO TRAMPLING	good
STRESS TOLERANCE	high

Akenaton

Berseem clover

FEATURES

HEIGHT	tall
EARLINESS	medium-early
FLOWER	white flower head

RESIST.

COLD			MR
DISEASES			MR

QUALITIES

REGROWTH	very fast
PRODUCTIVITY	high
PURPOSE	green forage, hay, pasture

Maremma

Berseem clover

FEATURES

HEIGHT	tall
EARLINESS	medium-early
FLOWER	white flower head

RESIST.

COLD			MR
DISEASES			MR

QUALITIES

REGROWTH	very fast
PRODUCTIVITY	high
PURPOSE	green forage, hay, pasture

Redhead

Crimson clover

FEATURES

HEIGHT	medium-tall
EARLINESS	medium-late
FLOWER	red flower head

RESIST.

COLD				R
DISEASES			MR	

QUALITIES

REGROWTH	good up to flowering
PRODUCTIVITY	high
PURPOSE	green forage, hay, pasture

Squaroso

Squarrose clover

FEATURES

HEIGHT	tall
EARLINESS	medium
FLOWER	white flower head

RESIST.

COLD		MS	
DISEASES			MR

QUALITIES

REGROWTH	single cut
PRODUCTIVITY	high
PURPOSE	green forage, hay, pasture



Greening Pro

Purpose: hay and silage

Greening

FEATURES

HEIGHT	tall
EARLINESS	medium-late
GROWTH HABITUS	alternative

COMPOSITION

EGYPTIAN CLOVER	5%	45%
TALL AWNLESS WHEAT	24%	20%
OAT	25%	24%
PEA	46%	11%

RESISTANCES

LODGING				R
COLD				R

Cover Pro

Purpose: green manure, hay

Cover crop

FEATURES

HEIGHT	medium
EARLINESS	early
GROWTH HABITUS	alternative

COMPOSITION

BLACK OAT	19%	32%
WILD OAT	20%	17%
HAIRY VETCH	26%	25%
COMMON VETCH	35%	26%

RESISTANCES

LODGING			MR
COLD			R

Planting rate (Kg/ha)*

TKW (g)	Seeds / m ² (no.)						
	200	250	300	350	400	450	500
30	69	86	104	121	138	155	173
31	71	89	107	125	143	160	178
32	74	92	110	129	147	166	184
33	76	95	114	133	152	171	190
34	78	98	117	137	156	176	196
35	81	101	121	141	161	181	201
36	83	104	124	145	166	186	207
37	85	106	128	149	170	191	213
38	87	109	131	153	175	197	219
39	90	112	135	157	179	202	224
40	92	115	138	161	184	207	230
41	94	118	141	165	189	212	236
42	97	121	145	169	193	217	242
43	99	124	148	173	198	223	247
44	101	127	152	177	202	228	253
45	104	129	155	181	207	233	259
46	106	132	159	185	212	238	265
47	108	135	162	189	216	243	270
48	110	138	166	193	221	248	276
49	113	141	169	197	225	254	282
50	115	144	173	201	230	259	288
51	117	147	176	205	235	264	293
52	120	150	179	209	239	269	299
53	122	152	183	213	244	274	305
54	124	155	186	217	248	279	311
55	127	158	190	221	253	285	316
56	129	161	193	225	258	290	322

Values calculated assuming an actual germination rate of 85%

Contacts

CEO

Carlo Invernizzi

mob. +39 335 6383 8145 * c.invernizzi@apsovsementi.it

PRODUCT DEVELOPMENT MANAGER

Laurent Specht

mob. +33 625 094 300 * l.specht@apsovsementi.it

Commercial team export

INTERNATIONAL SALES MANAGER

Cesare Ramponi

mob. +39 344 0871376 * c.ramponi@apsovsementi.it

TECHNICAL SALES AGRONOMIST BALKANS

Stranjinja Sekulic

mob. +381 697 22 236 * s.sekulic@apsovsementi.it

TECHNICAL SALES AGRONOMIST SOUTH EUROPE

Nicolò Cervetti

mob. +39 348 747 4242 * n.cervetti@apsovsementi.it

TECHNICAL SALES AGRONOMISTS UKRAINE

Mykola Rubinskyi

mob. +380 506 31 72 71 * m.rubinskyi@apsovsementi.it

Irina Gavrilyuk

mob. +380 67 115 0600 * i.gavrilyuk@apsovsementi.it

Customer service

UKRAINE & STAN COUNTRIES

Yuliia Kimasova

mob. +39 3371043461 * y.kimasova@apsovsementi.it

EUROPE

Monica Sartore

mob. +39 335 568 9200 * m.sartore@apsovsementi.it

Cecilia Pasquale

mob. +39 329 393 9568 * c.pasquale@apsovsementi.it

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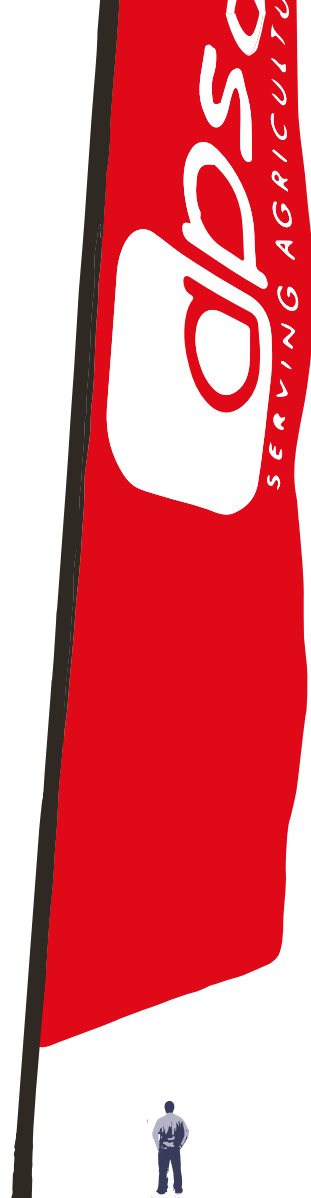
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Apsovsementi s.p.a.
strada Torremenapace, 40
27058 Voghera (PV) - ITALY
tel. +39 0383 214437 - www.apsovsementi.it