


















Variety Catalog 2025



Conventional

	WINTER WHEAT	5
	TRITICALE	8
	DURUM WHEAT	10
	SPRING OAT	10
	WINTER PEA	11
	WINTER & SPRING PEA	12
	BEAN	14
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	BUCKWHEAT	17

Association

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	WINTER OAT	23
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Organic range

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Editorial

A - Farming

By investing in cutting-edge genetic solutions, we enable farmers to adapt to variable climatic conditions and maximize their productivity. Our aim is to provide more resistant varieties, thus ensuring sustainable food for future generations.

G - Agroecology

Agroecology is at the heart of Agri Obtentions' identity. As a French agroecology seed company, 60% of our sales come from agroecological varieties.



R - Research

Our research teams are spread across five breeding sites in France, enabling us to experiment in a wide range of pedoclimatic situations. This geographical diversity helps us to respond effectively to the needs of today's and tomorrow's farmers.

I - Winter Wheat

Agri Obtentions is back with a vengeance with Geopolis and Generik, two new soft wheat varieties for Central-Northern zones. Developed for high productivity and robustness, these varieties reaffirm our presence in this strategic market.

O - Innov' Agri

Come and join us on June 5 and 6 at the INNOVAGRI (FRANCE) trade show, as well as at many other events across France. Visit our website to find out more about our presence in your region.

INNOV-AGRI
LE SALON QUI FAIT L'AVENIR

B - Biodiversity

We offer 15 field crop species for tomorrow's crop rotations.



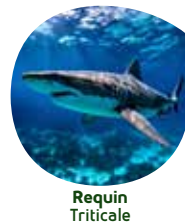
Geopolis
Winter Wheat



Generik
Winter Wheat

T - Triticale

Triticale is undergoing a promising revival at AO with the registration of **5 new varieties in France and abroad**. These varieties represent a strong opportunity to offer robust and diversified solutions, ready to enrich growers' choices.



Requin
Triticale



Rugiro
Triticale

E - Lentil



"Lentils are the best gross margin on my farm in 2024", says Francis, a farmer in the Centre region. This testimonial illustrates the added value that lentil growing can bring to farmers.

N - Commitment



T - Protein crops

Winter faba bean is on the podium this year, posting remarkably stable yields despite climatically opposed years. This success testifies to the potential of protein crops to support resilient and diversified agriculture, thus contributing to the sustainability of agroecological systems.

I - Industry

Optimizing value creation from farmer to consumer is a top priority. We are committed to strengthening every link in the chain, from breeding and seed production to processing, to maximize the benefits for all those involved.

O - Innovation

Innovation is the cornerstone of our development. In 2025, we registered **25 new varieties**, demonstrating our dynamism and ability to anticipate market needs.

N - Resilience

The year 2025 was marked by difficult weather conditions that significantly affected winter peas. Despite these trials, our commitment remains unwavering, reinforcing our determination to select resilient winter peas.

S - Networks

Be sure to follow all our news on our new website and social networks.

FARMING
AGROECOLOGY
RESEARCH
WINTER WHEAT
INNOV'AGRI
BIODIVERSITY
TRITICALE
LENTIL
COMMITMENT
PROTEINS
INDUSTRY
INNOVATION
RESILIENCE
NETWORKS



François Cuvelier
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CEO



www.agriobtentions.com



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 BUCKWHEAT	17



NEW



Geopolis

WINTER WHEAT



Geopolis is Agri Obtentions' new soft wheat for the North zone!

Thanks to its **very high productivity**, the variety finished **1st in the CTPS North zone** for the 2023/2024 harvests (113.6%!). With exceptional disease tolerance (1st registration 8 in septo, 8 brown rust...), it also offers tolerance to foot rot (PCH1) and orange midge resistance, not forgetting its GPD of 9, which gives it an intrinsic protein rating of 5!

In terms of quality, Geopolis provides **very high baking strength** (215-250 at 11.5%) and excellent hydration in flour models, with a creamy to yellow crumb (tenacious profile). Validated by ANMF with its VOp certification!

A variety to be planted early in high-potential plots, avoiding previous corn.



SOWING AND GROWING AREA



NEW



Generik

WINTER WHEAT



Another big news for soft wheat in the North to Intermediate zone!

Generik is Agri Obtentions' quality gold medal winner, with excellent bread-making performance, particularly in traditional processes thanks to its extensible tendency. Rewarded by the ANMF with its VOp rating, it has a high level of lodging tolerance (7), while maintaining very good yellow rust (7) and septoria (7) behavior.

Very good yield potential, validated at CTPS with a 107.6% treaty rating for 2023 and 2024 harvests!

A variety to be planted in all types of soils and early to intermediate sowing conditions.



SEMIS ET ZONE DE CULTURE





Winter wheat



Graveline

WINTER WHEAT



Graveline, is adapted for early planting and has a very good potential.

In these situations, it will provide very high specific weight, good protein levels and excellent resistance to lodging and all types of disease!

To accompany this agro-ecological profile, it stands out for its technological quality, with a tendency to stretch and very good W levels.



SOWING AND GROWING AREA



Gabanna

WINTER WHEAT

Gabanna is an early wheat with very good yield potential, thanks in particular to its fast finish.

With strong tillering, it offers very good resistance to septoria and brown rust, with tolerance to foot rot.

In terms of quality, it's a tenacious wheat with very high W (baking power), and low P/L (0.4-0.8).



SOWING AND GROWING AREA



Galloway



WINTER WHEAT

Awarded by the ANMF, under the VRM recommendation (Variety Recommended by the Milling industry), confirms its top-level technological characteristics!

Galloway is characterized by high W values and balanced P/Ls for a tenacious to very tenacious rheological profile.

It also stands out for its cream to yellow crumb.



SOWING AND GROWING AREA



Godzilla



WINTER WHEAT

Godzilla is undoubtedly the variety that will crunch its competitors in corn precedence and in shallow soils.

It stands out thanks to its resistance to septoria and brown rust and has a very fast finish.

It can also be sown early, making it an ideal ally in situations requiring early sowing and rapid finishing! Finally, it provides tolerance to foot rot and resistance to wheat mosaic.



SOWING AND GROWING AREA





IMPROVER WHEATS AND FORCE	HIGH QUALITY BREAD WHEAT	Varieties	AGRONOMIC CHARACTERISTICS								DISEASES RESISTANCE								QUALITY									
			Awns	Seasonal type	Earliness of run	Earliness at heading	Height	Chlortoluron	Frost	Lodging	Sprouting	Brown rust	Yellow Rust	Mildew	Eyespot	Fusarium	DON	Septoria tritici	Mosaic SBCRMV/WSSM	OWBM	Quality class	Specific Weight	Proteins content	Proteins (GPD)	Hardness	W	P/L	ANMF view
		Graveline	Awns	2	2*	5.5	3.5	T	7	6	5*	7	8	8	(PCHI) 6	4,5	-	7	S	R	BPS	8	(5)	(5)	Hard	170-205	0,5-1,5	VoEXT
		Godzilla	-	2	2*	7	3,5	T	6	4,5	5*	7	7	5	(PCHI) 5	5,5	5,5*	7,5	R	S	BP	5	(4)	4	Med-hard	150-220	0,7-1,7	-
		Gerry	Awns	4	3	7	3	T	5,5	6,5	6	4	5	4	(PCHI) 6	4,5	4,5	6	S	S	BPS	7	6	4	Méd-hard	145-180	1,3-2,2	VRMp
		Grekau	Awns	6	5	7,5	3,5	T	7	5,5	5	8	7	8	(PCHI) 6	5,5	5	6	R	R	BPS	5	6	7	Med-hard	125-195	0,5-0,9	VRMp EXT
		Gabanna	-	3	3	7	3	T	6,5	6	5	7	5	5	7	4,5	-	7	S	S	BP	5	2	5	Med-hard	190-240	0,4-0,8	-
		Gazeo	Awns	4	7,5	7,5	4	-	4	6	4	7	6	6	6	4,5	-	6	R	S	BPS	6	4	6	-	190-240	0,68-0,95	-
		Galloway	-	2	3	7	3,5	T	7	6	5	5	7	6	3	5	-	6,5	S*	S*	BAF	7	7	8	Hard	310-395	1,2-1,9	VRMf
		Geopolis		Non barbu	3	2*	5,5	4	T	5,5	6		8	6	6*	(PCHI) 7	4,5	-	8	S*	R	BPS	5*	(9)	(5)	Méd-hard	215-250	0,8-1,2
Generik		Non barbu	3	3,0	6	3,5	T	7	7		5	7	6*	3,0	5	-	7	S*	S*	BPS	6,0	(5)	(2)	Méd-hard	140-170	0,4-0,5	VOp	

GEVES ratings updated by Arvalis - Institut du végétal - () Notes to be confirmed.

* Notes Agri Obtentions. Ratings from 1 to 9 with 9 = spring, very early, very high, very resistant or very good PS - R resistant, T tolerant, S sensitive.

ANMF National Association of French Millers.

BPMF Wheat for the French milling industry.

VRM Variety recommended by the French milling industry.

VO Variety in Observation, p bread wheat.

f force wheat, bio organic wheat, bb baking wheat.



Triticale



NEW

Requin

TRITICALE



Requin is the new productive triticale witness!

A 1/2H to 1/2 alternative variety, with an early cycle and a fast finish. Requin is a very productive variety for both Treated and Untreated crops.

Triple use :

BIO x METHA x Grain yield

Best entry 2025, tolerant to lodging. Requin is a promising N°1.



SOWING AND GROWING AREA



NEW

Rapace

TRITICALE



Rapace is a must-have!

A semi-alternative variety, semi-early to heading. Rapace has **excellent disease tolerance** (Best NT rating of the year's registrations and Ecart T/NT bonus). Higher Specific Weight than RGT Omeac (CTPS bonus), low viscosity.

Not to be missed!



SOWING AND GROWING AREA



NEW

Reptil

TRITICALE

Reptil is the most productive witness for triticale.

A tall variety with very good lodging resistance. Reptil has a high straw yield and is well suited to energy crops (methanisation).

Suitable for all growing areas. Reptil is the best-seller in the AO range!



SOWING AND GROWING AREA



Rendezvous

TRITICALE



With the best CTPS Organic Agriculture rating, Rendezvous is a ½ Early to ½ Alternative variety with a number of advantages:

- Very good behaviour to leaf diseases;
- Flexible sowing date;
- Good cold tolerance.



Rivage

TRITICALE

Ramdam is the most productive witness for triticale.

A tall variety with very good lodging resistance, Ramdam has a high straw yield and is well suited to energy crops (methanisation).

Suitable for all growing areas, Ramdam is the best-seller in the AO range!



SOWING AND GROWING AREA

Sep. Oct. Nov. Dec. Jan. Feb.



Ramdam

TRITICALE

Ramdam is the most productive witness for triticale.

A tall variety with very good lodging resistance, Ramdam has a high straw yield and is well suited to energy crops (methanisation).

Suitable for all growing areas, Ramdam is the best-seller in the AO range!



SOWING AND GROWING AREA

Sep. Oct. Nov. Dec. Jan. Feb.



Reverso

TRITICALE





An early alternative triticale, Reverso is very flexible in terms of sowing date and can be sown very late for good productivity in both autumn and spring!

With its high biomass content, it is also suitable for the CIVES and Organic markets.



SOWING AND GROWING AREA

Sep. Oct. Nov. Dec. Jan. Feb.

		AGRONOMIC CHARACTERISTICS							DISEASES RESISTANCE							QUALITY					
		Seasonal type	Earliness of run		Earliness at heading			Frost	Height	Lodging	Sprouting	Eyespot	Mildew	Yellow Rust	Rhynchosporiose	Brown rust	DON	TGW	Specific Weight	Proteins - GPD	Potential viscosity
Varieties																					
Rapace		5	4*	7	7	7	5	4	5	5	7	7	5	-	-	6	6	3.5			
Reptil		5	3*	6.5	5	7	5.5	3	5	8	8	7	7	-	-	4	6	4.8			
Requin		5	5*	7.5	5.5	7	6	4	5	6	8	6	5	-	-	7	7	2.5			
Rivage																					
Ramdam		6	3	6,5	(7)	7	6,5	4	6	5	6	6	8	4,5	7	4	4	4,2			
Rendezvous		5	4*	6.5	7	7.5	2.5	4	4	7	7	7	7	-	-	5	4	2.5			
Riparo		7.5	6.5	6.5		6	(6.5)	7	-	(5)	(6)		(8)	(2)	-	(6)	(3)	-			
Rivolt		6	4	7.0	(7)	6.5	6.5	3	7	6	5	5	8	5.5	6	5	5	2.9			
Ruglatt		4	6	6	-	6.5	6	-	-	7	6.5		7	-		-	-	-			

GEVES ratings updated by Arvalis - Institut du végétal - () Ratings to be confirmed.

* Agri Obtentions scores - Scores from 1 to 9 with 9 = spring, very early, very high, very resistant or very good PS.



Durum wheat



Duplex

DURUM WHEAT

In its first year of development in France, Duplex has good SN and remarkable quality of Elite Durum Wheat type!



SOWING AND GROWING AREA



Varieties	AGRONOMIC CHARACTERISTICS						DISEASES RESISTANCE						QUALITY								
	Earliness of run	Earliness at heading		Frost	Height	Lodging	Sprouting	Mildew	Yellow Rust	Brown rust	Septoria	Ear fusariosis	DON	TGW	Specific Weight	Proteins	Yellow index	Clarity (brown index)	Speckles	Mitadinage	Technology class
Duplex*	2	6	4	4	5.5	-	6	6	5.5	5.5	5	-	7	6	6	8	7	7.5	6 (BDE)	-	
Danube	3*	6.5	-	4	4.5	-	7*	8	8	7*	4	-	8	7*	6	6.5	6.5	6.5	6.5	-	-
Dimokritos	3	7	-	3*	6*	-	7*	6*	6*	5.5	4.5*	5	7	6.5	6	7	6.5	6.5	5	BDQ	-



Spring oat



Varieties	Color	AGRONOMIC CHARACTERISTICS					DISEASES RESISTANCE			QUALITY			
		Alternativity	Earliness at heading	Height	Frost	Lodging	Rouille couronnée	Mildew	Septoriose tritici	Specific Weight	Proteins	Almond Finesse	TGW
Citadelle	Black	-	6	5	-	5.5	5	5*	-	8	4.5	6	7.5*
Celeste	Black	-	6	5.5	-	6	5	4	-	8	4.5	6.5	7.5
Elyfer*	White	-	6	5.5	-	5	4	4	-	7	4.5	6	8

Elyfer

SPRING OAT

Early white spring oat with high potential. Elyfer also has a very high TGW and a very fine kernel, making it suitable for all links in the chain!



SOWING AND GROWING AREA



GEVES ratings updated by Arvalis - Institut du végétal - () Ratings to be confirmed.

* Agri Obtentions scores - Scores from 1 to 9 with 9 = spring, very early, very high, very resistant or very good SW.



Fuego

WINTER PEA

It is characterized by an excellent balance of winter hardiness, lodging resistance, and iron chlorosis tolerance! It has also stood out for its very high protein content and very good tolerance to ascochyta blight.

With intermediate flowering and maturity, Fuego is perfectly suited for those seeking a well-balanced variety!



SOWING AND GROWING AREA



Foudre

WINTER PEA

1st variety in the Terres Inovia network for the 2023 harvest, with a potential of 110.2% of the trial average.

Foudre brings a real gain in productivity, TGW and disease resistance.

Foudre combines a TGW and productivity superior to those of the controls on the market.

In addition to its resistance to powdery mildew and its large size (+10 cm compared with controls), it is a variety perfectly suited to the expectations of the main pea markets (export, animal feed, starch production, etc.).



SOWING AND GROWING AREA



Winter pea



Farwest

WINTER PEA

Registration 2024 with a 106.9% control rating at CTPS 2022-2023.

Farwest has very good lodging tolerance.

Farwest (yellow grain) is also a variety with good yield potential and a very high harvest height!



SOWING AND GROWING AREA



Furtif

WINTER PEA

New cold reference for winter peas.

Furtif scores 7.5, the highest cold hardiness rating of all winter pea varieties.

Furtif is the variety best suited to North-Eastern zones, which will protect harvests from cold snaps.

Moreover, it has been awarded a bonus for its very good stem strength, ensuring optimum resistance to lodging for a safe harvest!

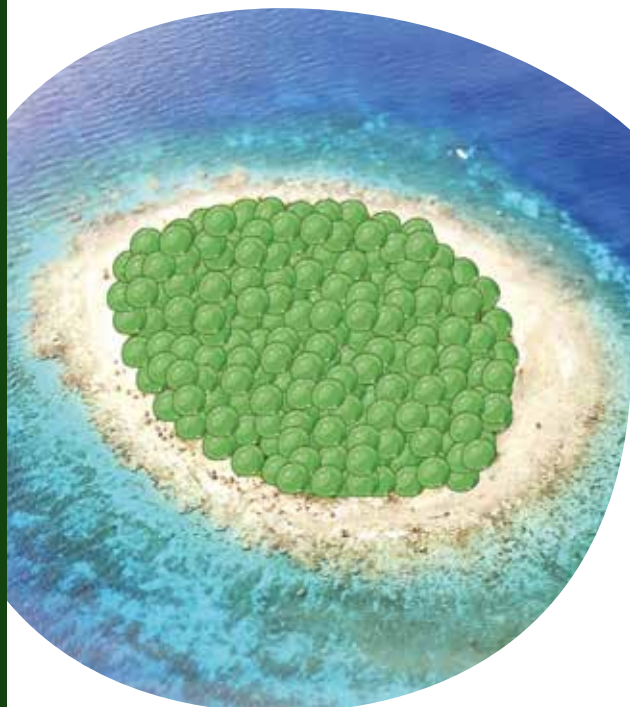


SOWING AND GROWING AREA





Winter & Spring pea



Atoll

GREEN PEA

Our new spring pea reference with green grain, Atoll has the best resistance to discolouration in the CTPS.

In addition to its use on the breakage market, this variety offers very good yields (equivalent to yellow-grain spring peas!) with a registration of 116% of the CTPS witnesses and good regularity.



SOWING AND GROWING AREA



Gent

GREEN PEA

Gent, a spring pea, was registered at 110.3% of the CTPS controls for 2022-2023!

This novelty for use in the beakage industry has very good resistance to discoloration and good yield potential!



SOWING AND GROWING AREA



Faquir

GREEN PEA



A winter green pea variety, registered for breaker use. High TGW with very good covering power.



SOWING AND GROWING AREA





			AGRONOMIC CHARACTERISTICS				DISEASES RESISTANCE	QUALITY		
Varieties			Earliness at start of flowering	Earliness at maturity	Harvest height	Frost	Iron chlorosis	Grain color	TGW (indicative)	Protein content
YELLOW PEA	Winter	Fuego* 	Inter	Inter	High	T	T	Yellow	220-250	High
		Farwest *	Inter	Inter	Very high	T	MT	Yellow	180-200	Medium
		Flokon	Early	½ early à ½ tardif	Short	T	MT	Yellow	180-200	Medium
		Foudre	Late	Inter	Very high	T	MT	Yellow	200-220	Low
		Fresnel	Early	Inter	Medium	TT	MT	Yellow	220-250	Medium
		Furious	Early	Inter	Medium	MT	S	Yellow	200-220	Low
		Furtif	½ early à ½ late	Early	Medium	TT	T	Yellow	200-220	Low
Winter	Faquir	½ early à ½ late	Late	High	MT	MT	Green	220-250	High	
GREEN PEA	Spring	Atoll	½ late	Late	Medium	-	T	Green	200-220	Medium
		Crackerjack	½ late	½ early	Short	-	T	Green	250-270	High
		Gent* 	½ late	½ late	Medium	-	T	Green	200-250	Medium
		Poseidon	½ late	½ late	Medium	-	S	Green	250-270	Very high
CORAL PEA	Winter	Facette	Late	½ early à ½ late	High	T	MT*	Coral	200-220	High
		Fauve	½ early à ½ late	½ early à ½ late	High	MT	MT*	Coral	220-250	Medium

GEVES ratings updated by Terres Inovia.

* Notes Agri Obtentions - **S** sensible - **MS** moderately susceptible, **PS** not very susceptible, **TPS** very not very susceptible, **AR** fairly resistant, **T** tolerant, **MT** moderately tolerant, **TT** very tolerant.



Bean

NEW

Nagoya

WINTER BEAN

Newly registered for the 2023 harvest, Nagoya has a quotation of 118.4% of the North zone controls.

It has a high TGW and good protein content!



SOWING AND GROWING AREA

Sep. Oct. Nov. Dec. Jan. Feb.

		AGRONOMIC CHARACTERISTICS			QUALITY			
Varieties		Earliness at flowering	Lodging	Frost	Flower color	Content of vicine/convicin	TGW (indicative)	Protein content
Winter	Diva	½ early	MT	T	Colored	High	450-500	Medium
	Irena	Early	T	MT	Colored	High	500-550	High
	Nagoya*	½ early	TT	T	Colored	High	>600*	Medium
	Nairobi	½ late	TT	MT	Colored	High	>550	High
	Nebraska	½ late	MT	T	Colored	High	450-500	Low
	Nepal*	½ early	T	T	Colored	High	>550	High
	Niagara	½ early	MT	T	Colored	High	450-500	Low
	Noumea	Late	T	T	Colored	High	500-550	High
Spring	Nakka	½ early	MT	-	Colored	High	450-500	High
	Navara	Late	MT	-	Colored	High	500-550	High
	Notilus*	½ late	MT	-	Colored	High	>550	High

GEVES ratings updated by Terres Inovia.

* Notes Agri Obtentions - **MS** moderately susceptible, **PS** not very susceptible, **TPS** very not very susceptible, **AR** fairly resistant, **T** tolerant, **MT** moderately tolerant, **TT** very tolerant.



NEW

Nepal

WINTER BEAN

Newly registered for the 2023 harvest.

Nepal offers very good yields and good disease resistance!



SOWING AND GROWING AREA



NEW

Notilus

SPRING BEAN

Newly registered. Notilus is a spring faba bean combining productivity, a very high TGW, a good protein and good stem strength.

Notilus has an interesting disease tolerance complex!



SOWING AND GROWING AREA



Nairobi

WINTER BEAN

Nairobi is the best entry CTPS 2020/21, with very high productivity, grain yield and protein content.

A tall variety with excellent lodging resistance, Nairobi's TGW is high.



SOWING AND GROWING AREA



Noumea

WINTER BEAN

A new faba bean with very good cold tolerance, Noumea is particularly well suited to North-East areas.

Rather late, Noumea has good resistance to disease, particularly against botrytis.



SOWING AND GROWING AREA





Chikpea



Sombrero

CHIKPEA

The Anicia variety, commonly known as the Lentille Verte du Puy, is a highly distinctive variety, with yellow cotyledons and green teguments bearing highly characteristic marbling.



Lentil

Agri Obtentions, a long-standing player in the production and distribution of certified lentil seed, has been involved in the development of the French quality production sectors.

The breeding programme is based in Clermont-Ferrand, with the aim of renewing and enhancing the diversity of the species.



Anicia

GREEN LENTIL

The Anicia variety, commonly known as the Lentille Verte du Puy, is a highly distinctive variety, with yellow cotyledons and green teguments bearing highly characteristic marbling.

With a prestigious brand image thanks to the Protected Designation of Origin (PDO) obtained in its cradle of origin, it represents a well-established reference.

The same Anicia variety is grown for the Label Rouge Lentille Verte du Berry.

	Varieties	GRAINS				QUALITY			
		Seed color	Color cotyledon	Shape	TGW	Earliness Flowering	Height	Proteins	Strengths
GREEN	Anicia *	Marbled green	Yellow	Semi-flat	Medium 26-30	½ early	Short	Medium	The reference for labels
	Aria * <small>NEW</small>	Marbled green	Yellow	Semi-flat	Medium 26-30	Late	Short	Low	Enhance the value of deep soil
	Clara *	Light green	Yellow	Semi-flat	Low 22-26	½ early	Quite short	High	High protein content
CORAL	Alesia *	Grey brown	Coral Orange	Semi-flat	Low 22-26	½ late	Medium	High	Original seed color
	Arizona * <small>NEW</small>	Orange to pale green	Coral Orange	Semi-flat	Medium 26-30	Early	Short	Medium	Great potential
	Coralia * <small>NEW</small>	Coral	Coral Orange	Semi-flat	31-35	½ late	High	Low	Very large TGW
	Rosana *	Coral	Coral Orange	Round	Low 22-26	Late	Medium	High	Very good organoleptic quality
	Victoria *	Coral	Coral Orange	Semi-flat	(medium 26-30)	(very early)	(medium)	(high)	Very early
BLOND	Flora *	Brown ochre	Yellow greenish	Semi-round	Low 22-26	½ early	Medium	Medium	The reference for blond lentils

*Agri Obtentions. () to be confirmed.



Harpe

BUCKWHEAT

Buckwheat is a low-input, environmentally-friendly specy with recognised agronomic advantages:

- high nitrogen retention capacity, limiting leaching ;
- vigorous vegetation that naturally smothers weeds;
- its strong allelopathic effect, which limits the development of weeds.

As well as being renowned for its Breton galettes, Harpe has many other uses:

- human food: gluten-free flour, beer, whisky ;
- honey plant ;
- game cover ;
- Nitrate trape cover crops.







Varieties	GRAIN	TGW	EARLINESS OF FLOWERING	VALUATION BY SECTOR	STRENGTHS
Harpe*	Silver	19-22	½ late	PGI « Farine de blé noir de Bretagne »	The reference in milling

*Agri Obtentions. () to be confirmed.





Association / Mix

	BLENDS	20
	FODDER PEA & Hr PEA	22
	SMALL BEAN	23
	WINTER OAT	23
	TRITICALE	23
	FODDER RADISH	23



Blends



Initiated more than 10 years ago, Agri Obtentions is accelerating the research and marketing of intercropping species and crop combinations!

The wide variety of species selected and marketed by the company means that we can respond to a wide range of problems and uses.

The thinking behind and the development of the range have been guided by the various uses found among farmers: looking for biomass, increasing the protein content of soft wheat in organic farming, early harvesting for establishing a catch crop, mixtures adapted for self-consumption in livestock farming, intercropping and companion plants.

Thanks to several years of experimentation on more than 5 Agri Obtentions and INRAE research stations throughout France, we can offer you 4 combinations created from our varieties.



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A0 Polyculture +

BEAN + TRITICALE

A0 Polyculture + is best suited to organic farming, particularly on a mixed crop-livestock system. Produced from a mixture of Nairobi faba beans and Ramdam triticale, the complementary nature of this combination is ideal and has enabled us to observe a very high level of productivity and excellent resistance to lodging. This combination makes sorting between cereals and protein crops much easier. The success of this combination depends on the quality planting. For A0 Polyculture +, a seed drill with a double hopper or 2 passes are preferable because the seeding depth is not the same.



A0 Protein security +



WINTER WHEAT + HR PEA

Well-identified for several years now, the major dilemma in growing wheat is to ensure a minimum protein content to meet the specifications of the collectors, while maximising grain yield. Nowadays, varieties with a high protein content are often less productive. To ensure a very high level of protein and optimise gross margins per hectare, we combine a soft wheat classified as a 'compromise yield/protein' with a Hr winter pea.

Hr peas are photoperiodic. This means that its vegetation and flower initiation at the end of winter are correlated with day length and not to the sum of temperatures, like conventional winter peas (hr). There is therefore no 'calendar' conflict with wheat. Hr peas and wheat are on the same development cycle (from sowing to maturity), the benefits of this combination are manifold:

- reduction in inputs ;
- increased protein content in wheat ;
- significant reduction in weed infestation;
- safer pea harvesting (especially for lodging).



A0 Biomass +



TRITICALE + FODDER PEA

The AO Biomass + blend has demonstrated its very high level of productivity in both grain and immature crops. It is composed of our reference triticale, Ramdam, a concentrate of straw and grain productivity, and our pea, Asteroid.

Asteroid is a white-flowered Afla with tannin-free grains that can be used for both fodder and grain, making it particularly interesting for feeding pigs.

What's more, this variety offers real genetic benefits in terms of stem strength and cold tolerance compared with the benchmark varieties.

This blend is of great interest for energy crops.



A0 Precocity +



WINTER BARLEY + TRADITIONAL WINTER PEA

This combination is possible in both conventional and organic farming. AO Précocité + is composed of an early, productive fodder winter barley and a protein pea with very good stem strength.

One of the major advantages of this combination is that it gives you an early harvest, giving you the opportunity, depending on the region, to plant a catch crop: buckwheat, maize, soya, temporary grassland, etc.

The main outlet for the mix is animal feed, as the brewing industry favours pure barley.





Fodder pea & Hr pea



Asteroid

FODDER PEA

Asteroid is an afile fodder pea with white flowers (tannin-free seeds). With its dual use as fodder and grain, Asteroid to promote protein autonomy for sustainable agriculture.

The performance of Asteroid peas will enable you to obtain more productive meslin:

- For a green fodder harvest, Asteroid provides an increase of 39% more mv/ha or 9.9 T of mv/ha compared with controls* ;
- for a dry forage harvest, the variety offers a 48.9% increase in mv/ha, i.e. 2.4 tonnes more mv/ha than the controls.

Advantages of the Asteroid variety:

- + very high vegetative biomass = high competition for weed control weeds;
- + high tolerance to cold, with a score of 7 ;
- + high tolerance to ascochyiosis;
- + high tolerance to water stress.

FORAGE

Hr

Varieties	TYPE	STRENGTHS	BENEFITS	ROOTS	NITROGEN TRAPPING	USE FORAGE	PRODUCTION BIOMASS	INTEREST FOR BEES	
Assas	½ early colorful flowers	High nitrogen content, high biomass	- Protection of the soil against capping and erosion ; - soil enrichment in organic matter ; - recycling of mineral elements; - cover for game.	Leaflet	Medium to low	Good in association	High	High production of nectar and pollen	
Asteroid	½ early white flowers	Afila, without tannins, strong vegetative development					Very high		
Flambo	Late Hr	Reactive to photoperiod, suitable for early sowing	Suitable for cereal/ protein crop combinations		Medium	Interculture summer	High		
Helio	Late Hr	Reactive to photoperiod, suitable for early sowing	Suitable for cereal/ protein crop combinations		Medium				

* Assas, Ascension, Picar

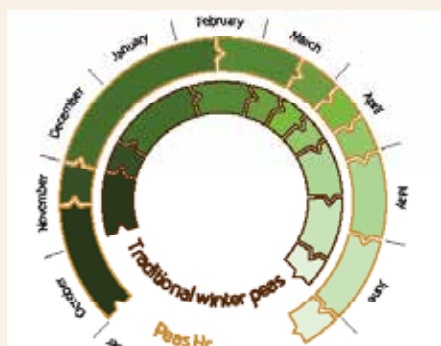
What are Hr peas?

Hr peas are photoperiodic peas. This means that the start of flowering will depend on the length of the day and not the temperature.

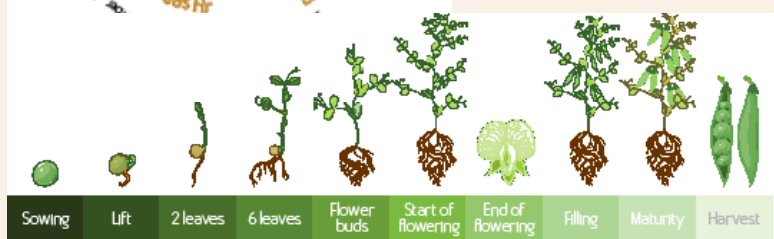
Particularly suitable for growing in association or in mixtures.

3 benefits

- 1 Earlier sowing.
- 2 Almost simultaneous maturity with cereals.
- 3 Greater soil cover coverage.



○ HR Pea Cycle
○ Winter pea cycle
○ Traditional



Small-seeded Faba bean



Nanaux

SMALL SEEDS SPRING BEAN

Nanaux is a faba bean variety with a TGW of less than 250g. This makes it suitable for use in intercropping, mixed species, as a companion plant for rape, sowing under cover, etc. Nanaux has an ideal development cycle for combining with oilseed rape (its low emergence aggressiveness means it competes little or not at all with the rape). On the other hand, its late flowering and high height are major advantages for intercropping or sowing under cover.

Winter oat



Ballance PZO

WINTER OAT

Ballance PZO is a winter oat that can be used in two ways in biomass production. It can be sown both in autumn (in association with a protein crop, for example) for an early harvest so that a catch crop can be planted, or as a summer intercrop to prevent the cover crop from going to seed. Ballance PZO has very good lodging resistance as well as a complete disease profile regarding to rust.

Triticale



Ramdam & Reverso

TRITICALE

Often overlooked in the use of intercropping for biomass energy purposes, biomass, triticale is nonetheless a well-adapted species because it is very tall and has a very high tillering capacity! Ramdam is highly developed in Germany (particularly for immature crops), and produces a very high level of dry matter! Newly registered in Italy this year, Reverso is a very early and alternative variety suited to biomass cultivation, with a height of up to 1.70 m and a very high number of ears per square meter!

Fodder radish



NWS1 - Smart Radish®

FODDER RADISH

NWS1 - Smart Radish® is a forage radish variety suitable for intercropping, with good dry matter production from the above-ground part. Its root system will also contribute to the improvement of the soil structure. What's more, this variety is effective against nematodes, particularly beet cyst nematodes. Bonus: maximum soil cover!







Organic range

 ORGANIC WINTER WHEAT

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Organic winter wheat



Glenan  

ORGANIC WINTER WHEAT

A variety of yield-protein compromises.
Glenan has a high straw height.

Noted by the ANMF for its very good bread-making scores over a wide range of proteins, it is now classified as VRMp.



SOWING AND GROWING AREA





Glaz



ORGANIC WINTER WHEAT

Very productive,

Glaz is also highly resistant to disease and tolerant to foot rot.

Good protein levels for this yield potential!



SOWING AND GROWING AREA



Gergovie



ORGANIC WINTER WHEAT

Gergovie is a productive newcomer registered at 105.7% of the controls on the basis of trials conducted in Organic Agriculture.

In addition to good disease resistance, the variety is also resistant to mosaic and tolerant to foot rot.

Original milling texture thanks to its yellow crumb colour and stretchy profile.



SOWING AND GROWING AREA



Varieties	Registration	AGRONOMIC CHARACTERISTICS							COVERING POWER			DISEASES RESISTANCE							QUALITY		
		Aristation	Alternativity	Earliness at heading			Frost	Height	Sprouting	Tallage end stage	Stage 1-2 node	Heading stage	Yellow Rust	Septoriose tritici	Brown rust	Fusarium	Accumulation DON	Intricate mosaics	Orange midges	Specific Weight	Proteins - AB
Geny	AB	Bearded	3	7	6,5	4,5	4	4	4,5	6	7	5,5	5	5	5	R	-	6	4	VRMp	
Gergovie	AB	Un-bearded	3	5,5	7	5	5*	3,5	4	5	6	6	6	5,5	-	R	-	5	(3)	-	
Glaz	AB	Un-bearded	4	5,5	6,5	4	5	2,5	3	5	7	7	6	5	-	-	-	5	4	-	
Glenan	AB	Un-bearded	2	6	6,5	6	6	3	4	6	6	6,5	6	5,5	-	-	-	6	4	VRMp	
Gwenn	AB	Un-bearded	6	6	6	4,5	4	4	5,5	7	7	8	6	4,5	(5)	-	-	6	3	-	
Renan	-	Bearded	1	6	9	4	6	2,5	5	8	5	-	7	6,5	6	-	R	7	6	VRMp	

AB Variety registered in the French catalogue on the basis of trials conducted in Organic Agriculture.

GEVES ratings updated by Arvalis - Institut du végétal - () ratings to be confirmed.

* Notes Agri Obtentions. Notes from 1 to 9 with 9 = spring, very early, very high, very resistant or very good PS - R resistant.

T tolerant, **S** sensitive.

ANMF National Association of the French Milling Industry. **VRM** Variety Recommended by the French Milling Industry. **p** bread wheat.



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