



Lidea

FRESH IDEAS FOR AGRICULTURE

**N°1 NON-GMO SOYBEAN
BREEDER IN EUROPE!**

2021





SOYBEAN

N°1 SOYBEAN RESEARCH IN EUROPE

Since 1975, **Lidea** (Euralis Seeds + Caussade Semences Group) soybean research brings better varieties in yield and proteins for each climatic zone in Europe and for each market segment FEED and FOOD.



Lidea uses the very latest laboratory technologies in order to speed up genetic progress. These technologies support a wide field testing across Europe.



Our numerous research stations and trial locations all over Europe allow us to select the best varieties in yield, proteins but also lodging, diseases and pod opening tolerances for each climatic area.



Roman FERRANT
Soybean breeder for
EARLY groups



Patrice JEANSON
Soybean Research
Manager



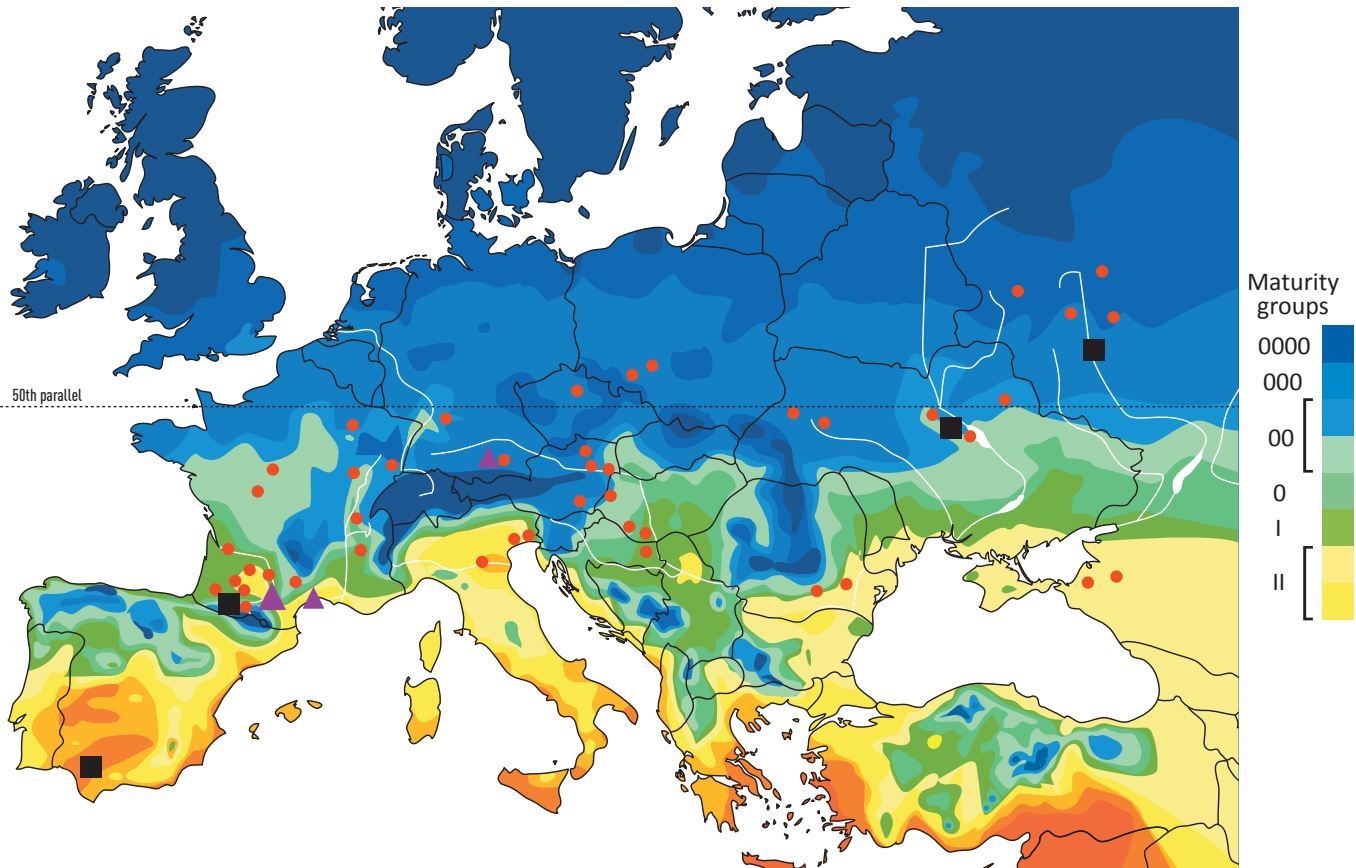
Francis ALRIC
Soybean Breeder for
LATE groups

SUITABLE VARIETIES FOR EACH CLIMATIC CONDITION









SOYBEAN

2021 Soybean R&D network 44 locations



■ Seed factory ▲ Soybean breeding center ● Testing trials

EARLY PORTFOLIO: FROM THE EARLIEST TO THE LATEST

MATURITY	NAME	HILUM COLOR	TYPE	YIELD	PROTEIN	KERNEL SIZE	FOOD	DESCRIPTION
VERY EARLY (000)	ES COMANDOR							The earliest one! The new leader for Northern Europe in Feed & Food. Do not treat with Pendimethaline.
	ALIGATOR							Earliness & big kernels.
	NEW ESG2012							Earliness, Yield and Food criteria (high protein, big kernel, yellow hilum).
	ES INSTRUCTOR				Hi-Pro			Very early High Proteins Variety.
	ES NAVIGATOR							Earliness, lodging tolerance & early vigor.
	ES FAVOR							Good yield, proteins & lodging tolerance (short plant).
	ES GOVERNOR							Good yield & lodging tolerance (short plant).
	NEW ESG2011				Hi-Pro			A future leader in Yield & High Proteins (about 45%) for Food & Feed segments.
	NEW ES BACHELOR				Hi-Pro			The new 000 leader in High Proteins (about 45%) for Food & Feed segments.
	NEW ES CONDUCTOR							Yield security & homogeneity.
	ES SENATOR							Good yield stability and diseases tolerances. Do not treat with Metribuzine.
	NEW ES CHANCELLOR							Yield security (early vigor, lodging & pod shattering tolerances).
	NEW ES COLLECTOR							Excellent yield results in official trials all over Europe!
	NEW ES COMPOSITOR							The n°1 in yield with yellow hilum & big kernels!
EARLY (00)	ES THOR				Hi-Pro			Very early and extremely High in Proteins (about 46%).
	NEW ES VISITOR							Excellent yield & very early!
	AMPHOR							Earliness, Lodging & diseases tolerances. Good taste for FOOD (Low Lipoxygenase).
	ES TENOR							Earliness, Lodging tolerance (short plant) & Early Vigor.
	ES LIBERATOR							Good yield & very good harvest security (short plant, lodging & pod shattering tolerance).
	ES DECOR							High Proteins and very big kernels.
	NEW ESG1922				Hi-Pro			The new 00 leader in High Proteins (about 44%) for Food & Feed segments.
	NEW ES ALBATOR							Excellent Yield, Proteins & Lodging tolerance. Do not treat with Metribuzine.
	ES MENTOR							N°1 variety sold in Europe! Excellent Yield, Proteins & Lodging tolerance. Do not treat with Metribuzine.

LATE PORTFOLIO: FROM THE EARLIEST TO THE LATEST

MATURITY	NAME	HILUM COLOR	TYPE	YIELD	PROTEIN	KERNEL SIZE	FOOD	DESCRIPTION
EARLY (00)	ES LOUXOR							Good security and big kernels.
	ES PROFESSOR						✓	Excellent Yield & Proteins! Very Big kernels & Lodging tolerance.
	ES DIRECTOR						✓	Our best 00 in yield with ES Mentor look! Good Early Vigor & Lodging tolerance.
MID-EARLY (0)	ES GLADIATOR						✓	Good Yield & Proteins. Excellent sclerotinia & diseases tolerance. Grey hair. Yellow hilum & N°1 in tofu index.
	ES ADVISOR						✓	Excellent lodging & diseases tolerances. High Proteins & very big kernels.
	ES TRIBOR							The new yield leader in Group 0 in Europe! Excellent lodging & diseases tolerances. Excellent stability. Grey hair.
	NEW DH4173						✓	Early and very good for Feed & Food (yellow hilum, very nice kernels). Can be sold only in France & Spain.
	NEW ES WARRIOR				Hi-Pro		✓	The new Group 0 leader in High Proteins (about 45%) for Food & Feed. New Food standard in official trials in Hungary.
MID-LATE (I)	NEW ES ANIMATOR						✓	Excellent protein yield in Hungarian official trials! Good early vigor & lodging tolerance.
	NEW ES COMPETITOR				Hi-Pro		✓	The new High Proteins variety in Group I. Very early in the Group. New standard for Hungarian official trials.
	ES PALLADOR							N°1 Yield all over Europe! Excellent Protein Yield. Ramifications, lanceolates leaves & grey hair.
	ISIDOR						✓	N°1 LIDEA variety sold for Human Food. Excellent Proteins, Yield, Sclerotinia & Lodging tolerance.
	NEW ES CONQUEROR						✓	Excellent Proteins, Yield, Sclerotinia & Lodging tolerance. New Isidor type.
	ES MEDIATOR						✓	An improved version of Isidor! Excellent Proteins & Yield, Good lodging tolerance.
	WENDY							Exceptionnal & stable Yield. Grey hair. Can be sold only in France, Spain, Italy, Romania & Bulgaria.
	NEW ES CONNECTOR						✓	Exceptionnal Yield & Good protein! Grey-tawny hair.
	NEW ES GENERATOR						✓	Exceptionnal Yield, Good protein and big kernels.
LATE (II)	ES INVENTOR						✓	The highest in Protein in Group II Good early vigor and lodging tolerance.
	ES CREATOR						✓	The best in yield! Excellent proteins & lodging tolerance. N°1 Group II variety in Food segment.
	NEW ES BALTIMOR							The latest variety with the highest yield potential from our portfolio. Reserved for regions using Group II and III.

VARIETY IN BOLD: Sales leader



Semi-determinate



Indeterminate



High



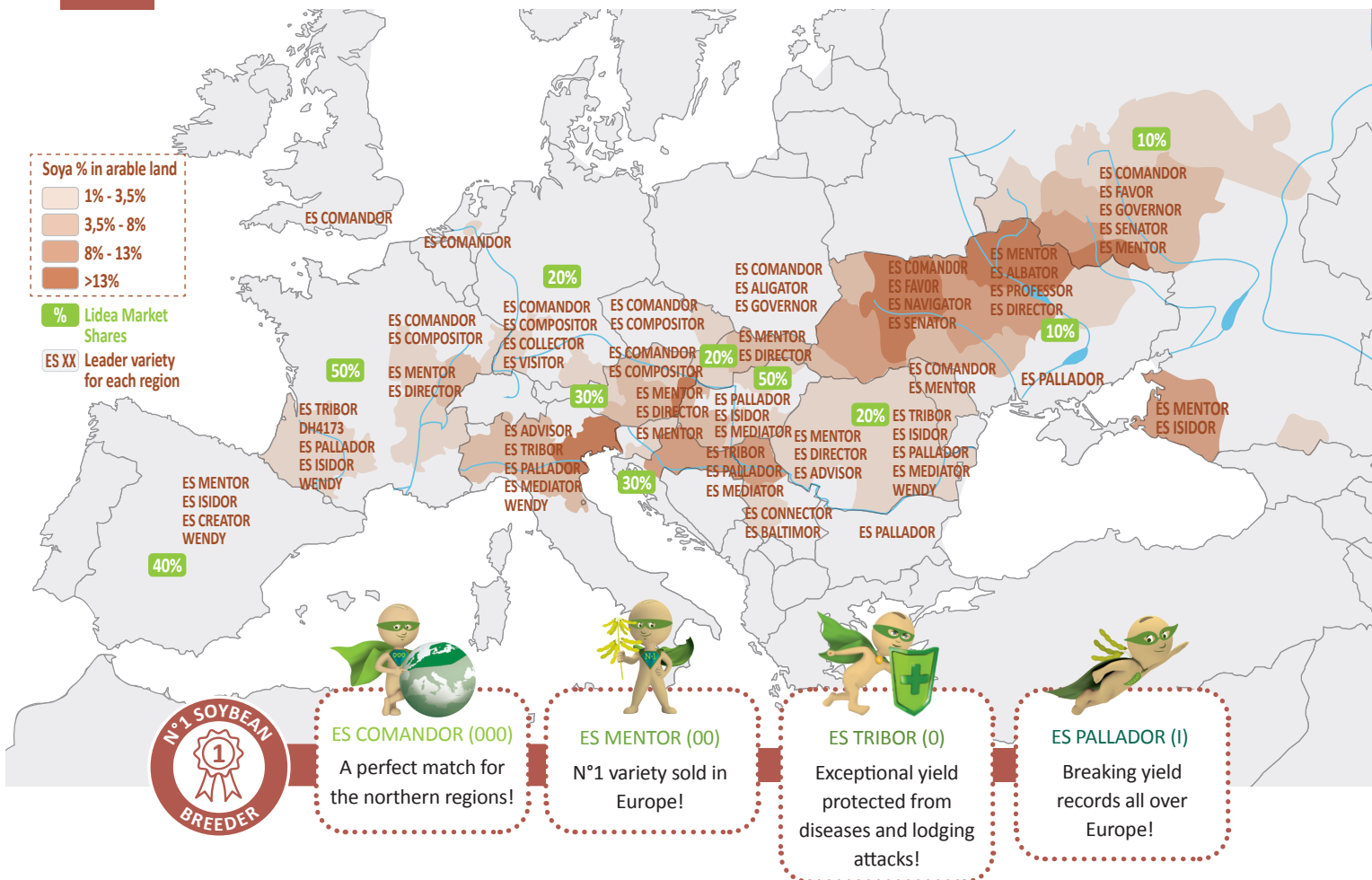
Very High



Hi-Pro varieties are the varieties with the **Highest Protein** content for both the FOOD and FEED markets. Lidea is a Protein leader in Europe.



LIDEA MARKET SHARES AND PRODUCT LEADERS



In order to develop Soybean in Europe, Lidea is an active member of the following soybean associations:



CHARTRE SOJA DE FRANCE





SOYBEAN CERTIFIED SEEDS



SOYBEAN SEED CERTIFICATION STANDARDS

QUALITY CRITERIA	LEVEL
Germination	min 80%
Moisture	max 15%
Variety purity	min 99%
Specific purity	min 99%
Number of seeds different than soybean	max 5/kg
Number of sunflower seeds	max 2/kg
Number of invasive weeds seeds (Cuscuta, Avena fatua, Avena ludoviciana, Avena sterilis)	0
Inert materials different than soybean broken kernels (pieces of stem, leaves...) to limit propagation of fungus Phialophora gregata and Phytophthora megasperma f.sp. glycinea	max 0.3%
Seeds with presence of Diaporthe phaseolorum	max 15%



The Soybean Certified Seeds are profitable, reliable & convenient. Flash the QR code to see the Certified Seeds Brochure.



SOJALIM is an animal feed factory located in South-West France owned by EURALIS Group (LIDEA Seeds) and SANDERS (AVRIL Group). 25 000 Tons of **non-GM & local** soybean (Organic & non Organic) are mechanically triturerated each year to provide soymeal for the high quality local certified meat markets.



Flash the QR code to discover SOJALIM

SOJALIM innovates by shelling the grains before crushing, which increases the protein level of the meal. All the grains crushed are coming from the harvest of certified seeds to guarantee quality, traceability & respect of intellectual property.



Michel VERNET
SOJALIM General
Manager

“We are engaged in a high quality meat supply chain whose consumers request non-GM, local & sustainable soymeal. Certified seeds answer the perfect non-GM traceability from the farm to the fork! We are also very satisfied by the protein content, the yield and the genetic progress generated by these certified seeds which will ensure a sustainable development of the soybean crop in our region.”



EURALIS Seeds and CAUSSADE Semences Group formalised their alliance on September 2020 by creating **Lidea Seeds**. This merge allows **Lidea Seeds** to enter the Top 10 of the seed companies in the world. Lidea Seeds creates and provides customised, sustainable multi-crops seed solutions that generate added value for producers all year round.

Lidea creates, produces and sells seeds of corn, sunflower, soybean, rapeseed, sorghum, pulses, cereals, forage and cover crops all over the world.

**FOR MORE INFORMATION
OUTSIDE EUROPE (EXPORT):**



www.lidea-seeds.com



seed.marketing@lidea-seeds.com



+ 33 6 76 86 89 30



BULGARIA

www.lidea-seeds.bg

CZECH REPUBLIC

www.lidea-seeds.cz

FRANCE

www.lidea-seeds.fr

GERMANY

www.lidea-seeds.de

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www.lidea-seeds.es

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www.lidea-seeds.tr

UKRAINE

www.lidea-seeds.com.ua




FOR MORE INFORMATION



François PAYBOU

 Soybean Technical & Market Manager

 francois.paybou@lidea-seeds.com

 + 33 6 07 79 99 69

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www.lidea-seeds.com