Plant breeders
since 1898

Product catalogue

2026 / 27

vanwaveren.de

VAN WAVEREN
Saaten GmbH

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About van Waveren

Plant breeding: experience & innovation

Our mission is to develop robust, high-yielding and multi-resistant vegetable varieties. The van Waveren company has years of experience in this sector. Founded in 1898, van Waveren has offered its customers breeding, production, consulting and sales source for over a century. We are leading in the breeding of top-quality vegetable seeds.

Seed production: quality & inspection

We breed, produce and supply a comprehensive range of pea, bean, sweet corn and edamame seeds. Our vegetable varieties are optimised to match the different climate conditions in our target countries. Our multiplication sites are steadily increasing, and we currently produce seeds on a total area of approx. 7500 hectares across over four continents. Our production processes undergo strict and comprehensive inspections to ensure that our customers receive only high-quality seed.

VAN WAVEREN Saaten GmbH

CaraSatos – The Next Generation of Application Technology for Pea Seed Treatment

The requirements for vegetable pea seed treatment are continuously evolving. At the same time, the range of available chemical seed treatment products in Europe is steadily decreasing as active ingredients are withdrawn or face increasing regulatory restrictions. This makes it more important than ever to maximize the performance and efficiency of every single seed treatment application.

Treating vegetable pea seed presents a particular challenge. Due to the shape and surface characteristics of the seed, conventional application methods often fail to achieve complete and uniform coverage. As a result, untreated areas may remain on the seed surface, creating potential weak points in seed protection.

With CaraSatos van Waveren is able to establish a new benchmark in vegetable pea seed treatment. Developed exclusively for us, the innovative process combines a specially designed foam generation system with a high-performance adjuvant. This creates a fine, stable foam layer that envelops each individual pea, ensuring highly consistent and nearly complete coverage of the entire seed surface. Hereby the amount of product applied per pea stays the same.

The result is a maximised level of seed coverage. With close to 100% surface coverage, CaraSatos delivers a significantly more uniform seed treatment than conventional application methods. This maximizes seed protection and provides the emerging seedling with reliable protection, even under challenging sowing and emergence conditions.

In addition to treatment with the well-established fungicide Fludioxonil (Celest®), van Waveren also offers the option of applying PromosV, a hop-based biological plant strengthener, either alongside or as an alternative treatment. PromosV has demonstrated its effectiveness in multi-year field trials and performance evaluations as a valuable biological tool for enhancing plant vigor. In close collaboration with ARVALUS, the product is continuously tested and further developed, contributing to innovative biostimulant solutions and more sustainable seed treatment technologies.

The physicochemical properties of PromosV are particularly well suited to the CaraSatos application technology. Its formulation can be optimally converted into a stable foam, enabling exceptionally uniform distribution across the entire seed surface. The combination of PromosV and CaraSatos unites outstanding application quality with the benefits of sustainable biological plant strengthening, allowing PromosV to fully express its potential on every individual seed.

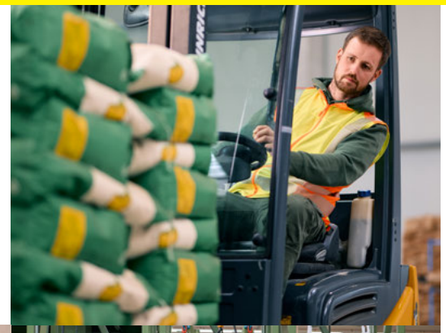
CaraSatos stands for maximum precision, outstanding seed treatment quality and enhanced reliability for successful crop establishment. With this innovative technology, van Waveren is already providing a forward-looking solution designed to meet the challenges of tomorrow.

CaraSatos – Because outstanding performance begins with every single seed.

Pea Protection in Perfection.

Logistics and Processing at van Waveren Saaten

The quality of seed does not end with breeding – it is primarily reflected in precise processing, reliable logistics, and seamless quality assurance. At van Waveren, all processes are interconnected: from the receipt of raw material, through professional processing, to timely delivery to customers worldwide.

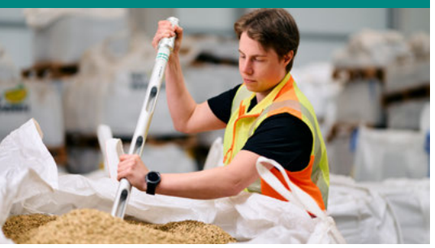


Processing

The processing of raw material is carried out in close cooperation with four specialized service providers in Germany and France. There, the seed is cleaned, sorted, and prepared for further processing using state-of-the-art technologies.

By using screens, air separation, and color sorting, impurities, damaged seeds, and unwanted foreign material are reliably removed. Precision and gentle handling of the product are always at the forefront.

When selecting its processing stations, van Waveren places the highest value on gentle seed handling as well as strict compliance with all documentation and quality standards – from the arrival of the raw material to the packaging of the processed clean seed in big bags. This complete documentation forms a key pillar of quality assurance, transparency, and traceability.



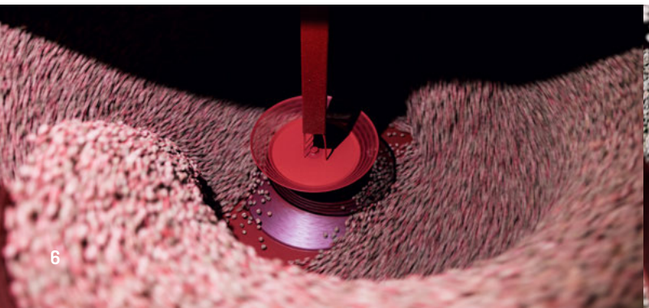
Treatment

Seed treatment is carried out in accordance with international standards at the main site of van Waveren GmbH in Rosdorf. This ensures a fast and flexible response to customer orders. Seed treatment can be carried out using both conventional crop protection products and organic plant-strengthening agents.

Currently, the crop protection product Celest® (Fludioxonil) is mainly used for the treatment of pea and bush bean seed. In addition, customers have the option to apply the organic plant-strengthening product PromosV, based on hops, either additionally or as an alternative.

The mechanical treatment process used is particularly gentle and designed with low drop heights to meet the high sensitivity of vegetable seeds. The treated seed is tested weekly for treatment level and Heubach value.

Continuous exchange with manufacturers of crop protection products ensures that new technological developments, such as CaraSatos, are integrated at an early stage. Our goal is to continue combining the highest quality standards with innovative solutions in the future.



Warehouse Team

Our warehouse team forms the operational backbone of the company. It ensures the proper storage of all seed lots and maintains their quality throughout the entire storage period.

Through continuous monitoring of temperature, humidity, and storage duration, the germination capacity of the seed is reliably maintained. At the same time, high flexibility and responsiveness are required to manage seasonal peaks and individual customer requirements. For intermediate storage of seed until dispatch, van Waveren has 20,000 m² of storage space available.

A modern barcode system supports all warehouse processes and enables fast and efficient handling. In addition, it ensures the full traceability of every batch and the secure separation of different seed lots.

In this way, the warehouse team creates the foundation for a reliable supply chain, maximum transparency, and consistently high product quality.

Logistics Team (Office)

Our logistics team (office) coordinates the processing, storage, and transport of produced seed throughout the year.

In addition to the annual inventory, key tasks during the season include creating and continuously updating cleaning schedules for the four processing stations. Furthermore, the thousand-seed weight is determined, and samples of raw and processed seed are sent to external laboratories for germination and electrical conductivity testing.

In addition, the seed is checked for visual quality defects. In close coordination with quality management, further laboratory analyses are initiated to ensure that only flawless seed is delivered to our customers.

Another key focus is production planning. This includes matching customer-specific quality requirements with available seed lots, capacity planning of treatment stations, creating work orders, booking finished goods, and ensuring on-time delivery.

Continuous communication with our customers is particularly important to meet national requirements regarding seed treatment, customs regulations, phytosanitary requirements, and transport conditions.

Around 95% of our seed shipments are transported by road. In addition, our logistics department has extensive experience in organizing sea and air freight shipments. Long-standing cooperation with selected forwarding partners ensures timely and careful delivery of our products worldwide.

Pea varieties

In order of maturity

VAN WAVEREN Saaten GmbH

Wrinkled Seeded Peas

VARIETY	LEAFTYPE	GROWTH CHARACTERISTICS				POD			% PEA GRADES						SEED		RESISTANCES				VARIETY
		days to maturity relative to KISS	heat units (°C)	average height cm	nodes to 1st flower	number of pods per fertile node	shape of pods	peas per pod	(% sieve size in mm at TR 100 - 110) I <7,5	II -8,2	III -9,3	IV -10,2	V >10,2	average	weight of 1000 seeds in g approx.	plant stand per m²	PEMV	Fop1	Ep	Pv	
ALOHA	n	-1	660	65 - 70	9 - 10	2	pointed	7 - 9	2	5	36	44	13	3,6	200	110 - 130		HR		IR	**ALOHA**
ALVARIO	n	-1	660	65 - 70	10 - 11	1 - 2	blunt	7 - 9	4	11	36	38	13	3,5	210	110 - 130	IR	HR		IR	**ALVARIO**
KISS	n	0	675	70 - 75	9 - 10	2	blunt	7 - 8	2	6	37	50	5	3,5	190	100 - 120		HR		IR	**KISS**
BONFIRE	af	1	690	55 - 60	9 - 10	2 - 3	blunt	7 - 9	2	11	61	26	0	3,1	175	110 - 130	IR	HR		IR	**BONFIRE**
CABALLERO	af	2	705	70	11 - 12	2 - 3	blunt	7 - 9	5	10	37	39	9	3,4	165	90 - 110	IR	HR	HR	IR	**CABALLERO**
STYLE	af	4	735	65 - 70	10 - 11	2	blunt	7 - 8	0	10	24	32	34	3,9	220	90 - 110		HR			**STYLE**
BELVEDERE	n	4	740	60 - 65	10 - 11	3 - 4	blunt	7 - 9	2	10	55	30	2	3,2	170	90 - 110	IR	HR		IR	**BELVEDERE**
SIENNA	n	4	740	55 - 60	10 - 11	2 - 3	blunt	6 - 8	1	5	24	51	19	3,8	210	90 - 110		HR			**SIENNA**
FIORINO	n	4	740	65 - 70	10 - 11	3	pointed	8 - 9	5	27	45	23	0	2,8	140	90 - 110	IR	HR	IR	IR	**FIORINO**
FELICIO	af	5	740	70 - 75	13 - 14	2	blunt	8	2	10	55	30	3	3,2	200	90 - 110	IR	HR		IR	**FELICIO**
GUSTY	af	6	770	70 - 75	11 - 12	2	blunt	8 - 9	2	7	30	41	20	3,7	190	90 - 110		HR			**GUSTY**
MARIMBA	n	7	790	60 - 65	13 - 14	3 - 4	blunt	8 - 9	2	10	55	30	3	3,2	150	90 - 110	IR	HR	IR	IR	**MARIMBA**
LYRIC	n	8	800	65 - 70	13 - 14	3 - 4	blunt	8 - 10	1	7	54	36	2	3,3	170	90 - 110	IR	HR		IR	**LYRIC**
ESPRIT	n	8	800	65 - 70	13 - 14	2 - 3	blunt	7 - 9	3	8	36	42	11	3,5	205	80 - 100		HR			**ESPRIT**
OLIVARO (WAV 1762)	n	9	810	60 - 65	13 - 14	2	blunt	7 - 8	5	11	46	33	5	3,2	170	90 - 110	HR	IR	HR	IR	**OLIVARO (WAV 1762)**
MARQUIS	af	10	820	65 - 70	13 - 14	3 - 4	blunt	9 - 10	10	25	50	15	0	2,7	160	90 - 100	IR	HR		IR	**MARQUIS**
LEGACY PLS	n	10	830	70 - 75	15 - 16	3	blunt	8 - 9	6	10	35	37	13	3,4	165	80 - 100	IR	HR	HR		**LEGACY** PLS
QUERIDA	n	10	830	65 - 70	15 - 16	3	blunt	9 - 11	2	6	37	50	5	3,5	185	80 - 100	IR	HR	IR	IR	**QUERIDA**
BOOGIE	af	10	825	65 - 70	13 - 14	2 - 3	blunt	7 - 9	2	6	30	44	18	3,7	205	80 - 100		HR	HR		**BOOGIE**
RIVIERO	af	11	835	70 - 75	14 - 15	3 - 4	blunt	8 - 9	5	6	18	66	5	3,6	180	80 - 100	IR	HR	HR	IR	**RIVIERO**
DANCER	af	11	845	75 - 80	15 - 16	3 - 4	pointed	9 - 11	4	13	51	30	2	3,1	145	90 - 100	IR	HR	IR	IR	**DANCER**
SILAS	n	11	850	75 - 80	16 - 17	2	pointed	11 - 12	5	20	36	34	5	3,0	150	80 - 100	IR	HR	IR	IR	**SILAS**
OASIS	n	12	850	65	14	2	blunt	8 - 9	2	7	28	41	22	3,7	185	80 - 100		HR			**OASIS**
VIDOR	n	12	850	70 - 75	14 - 15	2 - 3	blunt	8 - 9	1	5	36	38	20	3,6	185	80 - 100	IR	HR	HR		**VIDOR**
RIVARO (WAV 1763)	n	12	855	70 - 75	14 - 15	2	blunt	7 - 8	3	8	38	46	5	3,4	200	90 - 110	HR	HR	IR	IR	**RIVARO (WAV 1763)**
SERGE PLS	af	12	855	75 - 80	15 - 16	2	pointed	9 - 11	5	5	35	35	20	3,6	180	80 - 100	IR	HR	IR		**SERGE** PLS
DARLIN	af	12	855	70 - 75	15 - 16	3 - 4	pointed	9 - 11	10	25	50	15	0	2,7	140	80 - 100	IR	HR	IR	IR	**DARLIN**
VENERO (WAV 570)	af	15	900	95 - 100	17 - 19	2	blunt	7 - 8	3	8	32	38	19	3,6	180	90 - 110	HR	HR	HR		**VENERO (WAV 570)**
PLATON	n	15	910	75 - 80	17 - 19	2 - 3	blunt	8 - 9	0	10	25	45	20	3,7	205	80 - 100	IR	HR	IR	IR	**PLATON**

PLS
Pure line seeds

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Leaftype

af afila, reduced leaves
n normal leaves

Resistances

PEMV Pea Enation Mosaic Virus
Fop 1 Fusarium oxysporum f. sp. pisi race 1 (Fusarium wilt)
Ep Erysiphe pisi (Oidium, Powdery mildew)
Pv Peronospora viciae = Downy Mildew

Definition according to ISF rules (International Seed Federation)

IR intermediate / moderate resistance
HR high / standard resistance

Petit Pois varieties

In order of maturity

VARIETY	LEAFTYPE	GROWTH CHARACTERISTICS				POD			% PEA GRADES		AT TR 110 - 120			SEED		RESISTANCES				VARIETY
		days to maturity relative to KISS [1]	heat units (° C)	average height cm	nodes to 1st flower	pods per node	shape of pod	peas per pod	I XF < 7,5	II VF 7,5 - 8,25	III F 8,25 - 8,75	IV M 8,75 - 9,25	average grading	weight of 1000 seeds in g appr.	plant stand per m²	PEMV	Fop 1	Ep	Pv	
ELOISE	af	6	765	70	12 - 13	2 - 3	pointed	9 - 10	40	50	10		1,7	100	90 - 110	IR	HR		IR	**ELOISE**
NOELLE	n	9	830	70 - 75	13 - 14	3	pointed	10 - 11	30	55	15		1,85	80	90 - 100	IR	IR	IR	IR	**NOELLE**
MADELINE	n	10	825	75	14 - 15	3	pointed	10 - 11	40	50	10		1,7	90	80 - 100	IR	IR	IR	IR	**MADELINE**
SATURINO	n	12	855	75 - 80	13 - 14	2 - 3	pointed	9 - 10	49	41	10		1,6	80	90 - 100	IR	HR	HR	IR	**SATURINO**
ZARA	af	16	915	85 - 90	15 - 16	3	pointed	8	30	55	15		1,85	90	80 - 100	IR	HR	IR	IR	**ZARA**

[1] KISS maturity 0 days = 675 heat units

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Leaftype

af afila, reduced leaves
n normal leaves

Resistances

PEMV Pea Enation Mosaic Virus
Fop 1 Fusarium oxysporum f. sp. pisi race 1 (Fusarium wilt)
Ep Erysiphe pisi (Oidium, Powdery mildew)
Pv Peronospora viciae = Downy Mildew

Definition according to ISF rules (International Seed Federation)

IR intermediate / moderate resistance
HR high / standard resistance

Sweet corn

In order of maturity

Sweet corn (fresh market included)

VARIETY	KERNEL		MATURITY	PLANT	EAR				HUSK	TIP FILL	RESISTANCES	VARIETY
	color	number of rows	days	height in cm	height in cm	length in cm	diameter in cm	shape	protection			
DINO	yellow	16 - 20	76	230	100	20 - 22	4,8 - 5,2	cylindrical	good	well filled	MDMV	**DINO**
WIM	yellow	16 - 18	80	240	110	20 - 22	4,7 - 5,1	cylindrical	good	well filled	MDMV	**WIM**

Edamame

In order of maturity

EDAMAME

Edamame

VARIETY	SEED (DRY)	PODS	MATURITY	PLANT	AVERAGE TSW	KERNEL	VARIETY
	color	color	days	height in cm	in g	per pod	
WAV 801	green	bright-green	77	50	370	2 - 3	**WAV 801**
WAV 800	green	dark-green	80	60	370	2 - 3	**WAV 800**
VIVIANO	greenish-yellow	green	100	60	350	2 - 3	**VIVIANO**

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Resistances

MDMV Maize Dwarf Mosaic Virus

Bean varieties

In order of sieve size

Green Podded Dwarf Beans

VARIETY	VEGETATION		PODS			SIEVE SIZE IN MM					SEED		SOWING		RESISTANCES			SUITABLE FOR	VARIETY
	appr. maturity in days (70 = early)	plant height in cm	color	shape	appr. length in cm	< 6,5	6,5 - 8	8 - 9	9 - 10,5	>10,5	1000 seed weight in g appr.	color	plants per m²	seed rate in units/ha	Halo blight (Psp)	Anthracnose (CL)	BCMV		
EXTRA FINE																			EXTRA FINE
NOVALINA	72	40	medium dark-green	round	12 - 13	80	20				90	white	30 - 32	3,2	HR	HR	HR	Processing, Fresh market	**NOVALINA**
VERY FINE																			VERY FINE
ACOMA	73	45	medium green	round	12 - 13		75	25			140	white	30 - 32	3,2	HR	HR	HR	Processing, Fresh market	**ACOMA**
SHERPA	73	45	medium green	round	11 - 12		70	30			140	white	30 - 32	3,2	HR	HR	HR	Processing, Fresh market	**SHERPA**
THOMISA	72	40	medium green	round	11 - 12		80	20			140	white	30 - 32	3,2	HR	HR	HR	Processing	**THOMISA**

Fresh market

Peas in order of maturity

Wrinkled seeded - Garden peas

VARIETY	LEAFTYPE	GROWTH CHARACTERISTICS				POD				FRESH SEED	SIEVE	SEED		RESISTANCES			VARIETY
		maturity	heat units (°C)	average height cm	nodes to 1st flower	pods per node	average pod length appr. in cm	shape	seed per pod	color	size	weight of 1000 seeds in g	plant per m²	PEMV	Ep	Fop 1	
GRANDERA	af	medium early	770	70 - 75	11 - 12	2	10 - 10,5	pointed	8 - 10	darkgreen	large	280	80 - 100			HR	**GRANDERA**
BUDDY	n	medium early	790	70 - 75	13 - 14	2	9,5	blunt	8	darkgreen	large	275	80 - 90			HR	**BUDDY**
EDDY	n	medium late	850	75 - 80	15 - 16	2	11 - 12	pointed	9 - 11	darkgreen	large	230	80 - 90		IR		**EDDY**

Leaftype

af afila, reduced leaves
n normal leaves

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Resistances

PEMV Pea Enation Mosaic Virus
Fop 1 Fusarium oxysporum f. sp. pisi race 1 (Fusarium wilt)
Ep Erysiphe pisi (Oidium, Powdery mildew)
Pv Peronospora viciae = Downy Mildew
Halo Blight Pseudomonas savastanoi pv. phaseolicola (Psp.) race 6
Anthracnose Colletotrichum lindemuthianum Pathotype Lambda (CL)
BCMV Bean Common Mosaic Virus (only mosaic)

Definition according to ISF rules (International Seed Federation)

IR intermediate / moderate resistance
HR high / standard resistance

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