

Plant breeders
since 1898

Product catalogue

2025 / 26

vanwaveren.de



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About
van Waveren

Plant breeding: experience & innovation

Our mission is to develop robust, high-yielding and multi-resistant vegetable seed 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 from one single 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, and sweet corn seeds. Our product portfolio also includes edamame and protein peas for human consumption and pole bean seeds for intercropping with silage corn for dairy production. 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.



Dr. Thomas Meyer-Lüpken

Breeding Coordinator at van Waveren Saaten

Breeding coordinator Dr. Thomas Meyer-Lüpken is responsible for coordinating the breeding programs and serves as a key contact for collaboration with research partners and customers around the world.

His work focuses on peas, beans, sweet corn, edamame, and protein peas. Legumes make an important contribution to sustainable agriculture: they fix nitrogen, promote biodiversity, and can serve as a substitute for soybean imports.



Dr. David S. Gaikpa & Isabel Müller

Bean Breeding Department



Dr. David S. Gaikpa is the dwarf beans (*Phaseolus vulgaris*) breeder at van Waveren. With an extensive theoretical and practical background in genetics, he leads the beans research and development activities through collaborations. David designs and executes the key step in our dwarf beans variety development and release. Mrs Isabel Müller is a highly experienced

technical assistant for the dwarf beans breeding program. She provides immeasurable support in daily breeding activities and data collection.

David and Isabel develop and continually improve bean varieties for resistance to biotic and abiotic stresses, strong agronomic performance, yield stability, and other market-driven characteristics.

Our beans breeding is based on the interconnection between good genetics, customer preferences, and data analytics.

David and Isabel view breeding as a dynamic process which provides the foundation for sustainable agriculture, food security and quality of life.



Isolde Schalk

Support in Plant Breeding

In Drohndorf and Mehringen, field trials for various crops are carried out every year. In this work, Isolde Schalk provides valuable support to our breeders in all areas of plant breeding – from peas and protein peas to beans, edamame, and sweet corn.

Her tasks range from planning, field preparation, and sowing to scoring, selection, crop maintenance, harvesting and seed processing.

Through her dedicated efforts, she makes a key contribution to ensuring that our field trials run smoothly and deliver significant results for the development of new varieties.



Dr. Olabisi Yusuf & Elias Andrecht

Sweet corn & Edamame Breeding Department

Dr. Olabisi Yusuf, our experienced breeder, develops together with his technical assistant Elias Andrecht, sweet corn and edamame varieties. With a lot of passion and by means of state-of-the-art breeding technologies, they breed reliable, high-quality varieties, which meet the demands of our customers.

Sweet corn: In close cooperation with our customers, we breed sweet corn for both the fresh market and the processing industry. In addition to high sugar content (sh2) and tenderness, the main focus is on a high recovery rate and the attractiveness of the ear. A relevant disease resistance package, good husk protection and a robust plant type are other agronomically important traits for which our sweet corn hybrids are selected.

Besides a network of local experimental trials in the target markets, we take advantage of modern breeding methods such as DH technology and marker-assisted selection to identify hybrids that perform best in the respective target regions.

Our portfolio includes different maturity groups in order to provide customers with the best-fitting sweet corn hybrid for their local environment.

Edamame: Our edamame varieties impress with the vibrant green color of their kernels, a well-balanced sweet-buttery flavor, uniform pods and good disease resistance. Bred specifically for European growing conditions, they guarantee stable yields and a flexible harvest window.

At van Waveren, we strive to ensure that our varieties are not only agronomically convincing, but delight farmers and consumers with premium sweet corn and edamame varieties that perfectly combine taste, quality, and yield.

Mara Pfeifer & Regina Martsch

Pea Breeding Department

Mara Pfeifer a passionate pea breeder at van Waveren, is dedicated to the

continuous development of our varieties. She is supported by the equally committed technical assistant Regina Martsch.

In our breeding gardens, we rely on a targeted and minimal use of crop protection products. By selecting our breeding material on special provocation fields – including those for root diseases and drought stress – we lay the foundation for sustainably robust candidate varieties.

In addition to resistance against biotic and abiotic stress factors, we place particular emphasis on improving quality, yield stability, and extending the harvest window.

Our portfolio covers all cultivation needs: from very early to very late varieties, from delicate Petit Pois to large-calibre fresh market types. This way, we offer the right pea for every requirement.



Plant breeders since 1898

Pea varieties

In order of maturity



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)				weight of 1000 seeds in g approx.	plant stand per m²	PEMV	Fop1	Ep	Pv	
									I <7,5	II -8,2	III -9,3	IV -10,2	V >10,2	average							
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 (WAV 4120)	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 (WAV 4120)
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 (WAV 975)	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 (WAV 975)
CARGO	n	3	720	65 - 70	9 - 10	2 - 3	blunt	8 - 9	4	7	43	39	7	3,4	185	100 - 110		HR		IR	CARGO
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
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
FELICIO (WAV 168)	af	4	740	70 - 75	13 - 14	2	blunt	8	2	10	55	30	3	3,2	200	90 - 110	IR	HR		IR	FELICIO (WAV 168)
GUSTY	af	6	770	70 - 75	11 - 12	2	blunt	8 - 9	2	7	30	41	20	3,7	190	90 - 110		HR			GUSTY
LAREX	n	6	770	75 - 80	12 - 13	2	blunt	6 - 8	6	17	42	34	1	3,1	150	90 - 110	IR	HR			LAREX
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
MARQUIS	af	9 - 10	820	65 - 70	13 - 14	3 - 4	blunt	9 - 10	10	25	50	15	0	2,9	160	90 - 100	IR	HR		IR	MARQUIS
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
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
RIVIERO (WAV 360)	af	10-11	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 (WAV 360)
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
OASIS	n	12	850	65	14	2	blunt	8 - 9	2	7	28	41	22	3,7	185	80 - 100		HR			OASIS
SILAS (WAV 1394)	n	12	850	75 - 80	16-17	2	pointed	11 - 12	5	20	36	34	5	3,0	150	80 - 100	IR	HR	IR	IR	SILAS (WAV 1394)
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
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
KIROS	n	14	890	70 - 75	15 - 16	3	blunt	7 - 9	5	12	40	34	9	3,3	180	80 - 100		HR			KIROS
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
BALLADE	af	18	950	75 - 80	18 - 19	3 - 4	pointed	7 - 9	5	20	55	20	0	2,9	145	80 - 100	IR	HR	IR	IR	BALLADE

PLS The information shown in the above list is based on crops grown under normal conditions in central Europe. Allowances have to be made for other climates and growing conditions. Any recommendations for use of VAN WADEREN's products or material or apparatus in connection therewith are based on VAN WADEREN's best judgement, but there is no warranty of results to be obtained in connection therewith.

Pure line seeds

Leaf type	Resistances	Definition according to ISF rules (International Seed Federation)
af afile, reduced leaves	PEMV Pea Enation Mosaic Virus	IR intermediate / moderate resistance
n normal leaves	Fop 1 Fusarium oxysporum f. sp. pisi race 1 (Fusarium wilt)	HR high / standard resistance
	Ep Erysiphe pisi (Oidium, Powdery mildew)	
	Pv Peronospora viciae = Downy Mildew	

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 m ²	PEMV	Fop 1	Ep	Pv	
NATALIE	n	4	735	65	10 - 11	2 - 3	blunt	8 - 10	25	55	20		1,95	105	90 - 110		HR		IR	NATALIE
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 (WAV 4073)	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 (WAV 4073)
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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Leaf type

- 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

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. matu- rity 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 m ²	seed rate in units/ha	Halo blight (Psp)	Anthracnose (CL)	BCMV		
EXTRA FINE																				EXTRA FINE
CRISDA (WAV 16)		72	40	medium dark-green	round	11 – 12	80	20				100	white	30 – 32	3,2	HR	HR	HR	Processing, Freshmarket	CRISDA (WAV 16)
NOVALINA (WAV 15)		72	40	medium dark-green	round	12 – 13	80	20				90	white	30 – 32	3,2	HR	HR	HR	Processing, Freshmarket	NOVALINA (WAV 15)
ZOLA		70	40	medium green	round	10,5 – 11	65	35				95	white	30 – 32	3,2	HR	HR	HR	Processing	ZOLA
WAV 17 *		70	45	medium green	round	12 – 13	75	25				100	white	30 – 32	3,2	HR	HR	HR	Processing, Freshmarket	WAV 17 *
VERY FINE																				VERY FINE
ACOMA (WAV 34)		73	45	medium green	round	12 – 13		75	25			140	white	30 – 32	3,2	HR	HR	HR	Processing, Freshmarket	ACOMA (WAV 34)
SHERPA		73	45	medium green	round	11 – 12		70	30			140	white	30 – 32	3,2	HR	HR	HR	Processing, Freshmarket	SHERPA
THOMISA (WAV 37) *		72	40	medium green	round	11 – 12		80	20			140	white	30 – 32	3,2	HR	HR	HR	Processing	THOMISA (WAV 37) *
FINE																				FINE
IMOLA		73	40 – 45	medium green	round	12 – 13		50	50			150	white	30 – 32	3,2	HR	HR	HR	Processing, Freshmarket	IMOLA
WAV 38*		72	45 – 50	medium dark-green	round	13 – 14		40	60			160	white	30 – 32	3,2		HR	HR	Processing, Freshmarket	WAV 38*
MONZA		73	45	medium green	round	12 – 13		10	70	20		170	white	30 – 32	3,2	HR	HR	HR	Processing, Freshmarket	MONZA
CROMA		75	45 – 50	medium green	round	11 – 12			70	30		180	white	30 – 32	3,2	HR		HR	Processing, Freshmarket	CROMA
MEDIUM FINE																				MEDIUM FINE
MAGELLAN (WAV 60)		73	40	medium green	round	12 – 13			40	60		180	white	30 – 32	3,2	HR	HR	HR	Processing, Freshmarket	MAGELLAN (WAV 60)
ISOMA (WAV 79)		73	40	dark-green	round	12 – 13			30	70		200	white	30 – 32	3,2	HR	HR	HR	Processing, Freshmarket	ISOMA (WAV 79)
KOPA (WAV 78)		75	45	medium green	round	13 – 14				80	20	200	white	30 – 32	3,2	HR		HR	Processing, Freshmarket	KOPA (WAV 78)
ROMANO TYPE																				ROMANO TYPE
ALESIA		73	45	medium green	flat	14 – 15			19 – 20 mm			350 – 400	white	30 – 32	3,2		HR	HR	Processing, Freshmarket	ALESIA
SULLA (WAV 94)		73	40 – 45	medium green	flat	15 – 16			17 – 18 mm			350 – 400	white	30 – 32	3,2	HR	HR	HR	Processing, Freshmarket	SULLA (WAV 94)
WAV 98 *		73	45	medium dark-green	flat	20			20 mm			450	white	30 – 32	3,2	HR		HR	Processing, Freshmarket	WAV 98 *

* applied for registration

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Resistances				Definition according to ISF rules (International Seed Federation)	
Halo Blight	Pseudomonas savastanoi pv. phaseolicola (Psp.) race 6	BCMV	Bean Common Mosaic Virus (only mosaic)	IR	intermediate / moderate resistance
Anthracnose	Colletotrichum lindemuthianum Pathotype Lambda (CL)			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			
WIRINA (WAV 8144)	yellow	18 - 22	74	180	90	17 - 20	5,2 - 5,3	cylindrical	good	well filled	MDMV	WIRINA (WAV 8144)
DINO (WAV 8070)	yellow	16 - 18	76	230	100	22 - 23	4,8 - 4,9	cylindrical	good	well filled	MDMV	DINO (WAV 8070)
WIM	yellow	16 - 18	80	240	110	22 - 23	4,7 - 4,8	cylindrical	good	well filled	MDMV	WIM

Edamame

In order of maturity

Edamame

VARIETY	SEED	MATURITY	PLANT	AVERAGE TSW	KERNEL	VARIETY
	color	days	height in cm	in g	per pod	
WAV 801	green	77	50	370	3 - 4	WAV 801
WAV 803	green	83	75	400	2 - 3	WAV 803
WAV 804	green	85	60	400	3 - 4	WAV 804
WAV 802	green	85	55	410	3 - 4	WAV 802
VIVIANO (PS1)*	green	100	60	350	2 - 3	VIVIANO (PS1)*

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Resistances
MDMV Maize Dwarf Mosaic Virus

Fresh market

Peas in order of maturity
Beans in order of sieve size



Wrinkled seeded – Garden peas

VARIETY	LEAFTYPE	MATURITY	HEAT	PLANT	NODES	POD				FRESH SEED	SIEVE	SEED		RESISTANCES			VARIETY
			units	height in cm	to first blossom	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	
FINOMINA	n	early	725	65	9 – 10	1 – 2	9 – 11	pointed	8	darkgreen	large	295	80 – 90				FINOMINA
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
AMBASSADOR	n	medium late	855	75 – 80	15 – 16	2	7,5 – 8	blunt	8 – 9	darkgreen	medium	220	80 – 90	IR	IR	HR	AMBASSADOR

Green podded Dwarf beans

VARIETY	VEGETATION		PODS			SIEVE SIZE IN MM					SEED		SOWING		RESISTANCES			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	Halo blight (Psp)	Anthravnose (CL)	BCMV	
FINE																		FINE
WAV 38 *	72	45-50	medium dark-green	round	13-14		40	60			160	white	30 – 32	3,2		HR	HR	WAV 38 *
MEDIUM FINE																		MEDIUM FINE
MAGELLAN (WAV 60)	73	40	medium green	round	12 – 13			40	60		180	white	30 – 32	3,2	HR	HR	HR	MAGELLAN (WAV 60)
KOPA (WAV 78)	75	45	medium green	round	13 – 14				80	20	200	white	30 – 32	3,2	HR		HR	KOPA (WAV 78)
ROMANO TYPE																		ROMANO TYPE
ALESIA	73	45	medium green	flat	14 – 15				19 – 20 mm		350 – 400	white	30 – 32	3,2		HR	HR	ALESIA
SULLA (WAV 94)	73	40 – 45	medium green	flat	15 – 16				17 – 18 mm		350 – 400	white	30 – 32	3,2	HR	HR	HR	SULLA (WAV 94)

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Resistances

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

Definition according to ISF rules (International Seed Federation)

IR	intermediate / moderate resistance
HR	high / standard resistance



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