

Beans & Spinach Seed Catalogue.

Processing Industry Beans & Spinach
Europe 2024/2025
Technical Specifications
Powered with Pop Vriend Genes 



kwsvegetables.com

SEEDING
THE FUTURE
SINCE 1856

KWS





FOLLOW THE FRESH TRAIL.

Pioneers in Vegetable.
Seed Breeding since 1956.
A Journey of Paving New Ways.

Powered with Pop Vriend Genes 

The story of KWS Vegetables reflects the entrepreneurial spirit that has driven KWS and Pop Vriend Seeds for generations. From their humble beginnings - KWS in sugarbeet breeding and Pop Vriend in vegetable seeds - both companies have always been driven by a restless curiosity and an ongoing hunger for fresh challenges. In 2019, their paths crossed as the next generation carried forward this pioneering mindset. Our rock-solid commitment to bold, fresh-forward-thinking innovation continues to shape the journey of KWS Vegetables today. By pushing boundaries and exploring new paths, we create sustainable, impactful vegetable seed solutions for generations to come.

Our Customer Team Processing Industry Beans & Spinach is ready to start a Fresh Journey with you.



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Customer Team Processing Industry Beans & Spinach Europe

At KWS Vegetables, we're committed to working side by side with our customers.

That's why we like our breeders and advisors to be close to the market, with their boots on the ground. Our dedicated Customer Team for Processing Beans & Spinach focuses entirely on this segment, allowing us to concentrate on what truly matters to you.

Together, we'll break new ground and create innovations that make a real difference.

KWS Vital Pack™ For Processing Beans.

The journey from seed to plant is full of challenges. Biotic and abiotic stressors are an increasing threat to crop resilience. We introduce you the KWS Vital Pack™: equipped with solutions to make your spinach crops more resilient and protect them at all times.

KWS Vital Pack™ RustPROTECT

Offers an advanced protection that combats the fungus responsible for rust and preventing its spread.

Varieties: Jaguar

KWS Vital Pack™ DroughtDEFENSE

Varieties specially bred for their ability to survive and grow in low-water environments and provide productivity under drought stress.

Varieties: Camaro

Green Beans

Variety	Maturity	Sieve sizes in mm (%)					Length (cm)	Colour	Resistances				TSW (gr)	KWS Vital Pack™
		< 6.5	6.5 - 8	8 - 9	9 - 10.5	10.5 >			Psp	BCMV	CI	Ua		

Green Beans Extra Fine

⑦ Hawaii	+3	75	25				12 - 13	mdg	HR	HR	HR		100	
⑦ Lavezzi	+4	70	30				12 - 13	mdg	HR	HR	HR		100	
Sulawesi	+2	70	30				11 - 12	mdg	HR	HR	HR		100	
Zanzibar	+0	65	35				11 - 12	mdg	HR	HR	HR		105	
EXP PV-4012	+4	90	10				12-13	mg	HR	HR	HR		100	
EXP PV-4014	+2	70	30				11-12	mdg	HR	HR	HR		100	

Green Beans Very Fine

⑦ Mustang	+3		95	5			12 - 13	mdg	HR	HR	HR		120	
Cavani	+2		80	20			12 - 13	mdg	HR	HR	HR		150	
EXP PV-4032	+2	10	90				13 - 15	dg	HR	HR	HR		160	
EXP PV-4033	+1		100				12-13	mg	HR	HR	HR		160	

Green Beans Fine

Stefano	+1		45	55			12 - 13	mg	HR	HR	HR		140	
Koala	+2		40	60			12	mg	HR	HR	HR		170	
⑦ Spyker	+3		30	70			12-13	mdg	HR	HR	HR		160	
Maserati	+0			90	10		13	vdg	HR	HR	HR		200	
⑦ P Rimmer	+1			80	20		12 - 13	dg	HR	HR	HR		175	
EXP PV-994	-1		20	80			12-13	mg	HR	HR	HR		180	
EXP PV-4019	+1		30	70			13-15	dg	HR	HR			220	

Green Beans Medium Fine & Large

Sintra	+0			30	70		12	mg	HR	HR	HR		210	
NEW Capello / PV-998	+2			30	70		12	mg	HR	HR	HR		200	
P Jaguar	+2			5	90	5	14 - 15	vdg		HR	HR	IR	240	RustPROTECT
EXP Camaro	-1				90	10	14 - 15	mg		HR	HR		245	DroughtDEFENSE

P US Patent
EXP Experimental
⑦ Steady Sevens

Colour Intensity
mg medium green
mdg medium dark green
dg dark green
vdg very dark green
my medium yellow
gy golden yellow

Resistances
Code Scientific name
Psp Pseudomonas savastanoi pv. Phaseolicola (race 2)
BCMV Bean common mosaic virus
CI Colletotrichum lindemuthianum (race 55)
Ua Uromyces appendiculatus (most races)

English name
Halo Blight
Bean Common Mosaic
Anthracnose
Rust

Resistance level
IR Intermediate Resistance
HR High Resistance




Year After Year a Stable Grade.

STEADY SEVENS

Lower your costs with our Steady Sevens:
The most predictable beans for the processing
industry. **Varieties:** Hawaii, Lavezzi, Mustang,
Spyker, Rimember, Goldstrike.

- **Harvest what you plan**
Reliable yields and quality.
- **Peace of mind for your operation**
Flexible to harvest.
- **Income guarantee for your contract growers**
Predictable yields even in harsh conditions.



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KWS



Wax Beans

Variety	Maturity	Sieve sizes in mm (%)					Length	Colour	Resistances				TSW	KWS Vital Pack™
	Sonesta	< 6.5	6.5 - 8	8 - 9	9 - 10.5	10.5 >	(cm)		Psp	BCMV	CI	Ua	(gr)	

Wax Beans Very Fine

Goldplay	+4		65	35			11 - 12	gy	HR	HR	HR		120	
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Wax Beans Fine

NEW Goldfinger / PV-992	+2		30	75			12 - 13	my	HR	HR	HR		150	
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Wax Beans Medium Fine

7 P Goldstrike	+2			20	80		13 - 15	my		HR	HR		240	
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Flat Beans

Variety	Maturity	Pod length	Pod width	Colour	Resistances				TSW	KWS Vital Pack™
	Navajo	(cm)	(mm)		Psp	BCMV	CI	Ua	(gr)	

Flat Beans

Poseidon	+ 2	13 - 15	18 - 20	mdg	HR	HR	HR		460	
Navajo	0	14 - 16	19 - 21	mdg			HR		480	
P Platini	+ 3	14 - 17	20 - 22	mdg		HR	HR		400	
NEW Giroud / PV-4009	+3	18 -20	17 - 19	mdg	HR	HR	HR		420	

- P** US Patent
EXP Experimental
7 Steady Sevens

Colour Intensity
mg medium green
mdg medium dark green
dg dark green
vdg very dark green
my medium yellow
gy golden yellow

Resistances
Code Scientific name
Psp Pseudomonas savastanoi pv. Phaseolicola (race 2)
BCMV Bean common mosaic virus
CI Colletotrichum lindemuthianum (race 55)
Ua Uromyces appendiculatus (most races)

English name
Halo Blight
Bean Common Mosaic
Anthracnose
Rust

Resistance level
IR Intermediate Resistance
HR High Resistance

Same service, same people, different package.

KWS and Pop Vriend Seeds joined forces to chase a common goal: supporting healthy diets by providing innovative and sustainable vegetable seed solutions under the KWS flag.

One company, one mission, the same pioneering spirit as ever.



We've Got Your Bag.

Hybrid Spinach Processing - North West Europe

Variety	Growth	Bolting	Downy Mildew Resistance	KWS Vital Pack™
Lignite / PV-1779	9	2	Pe. 1-18, 20	
Dolomite	9	3	Pe. 1-20	
Bassoon	9	4	Pe. 1-12, 14-16, 19, 20	
Sonoma	8	6	Pe. 1-15, 17, 19, 20	
Austin	8	6	Pe. 1-18, 20	
Hudson	8	6	Pe. 1-11, 13, 15, 16, 18, 20	
NEW Boracite / PV-1785	7	6	Pe. 1-19	
Calcite / PV-1773	7	6	Pe. 1-19	
PV-1568	7	7	Pe. 1-15, 17, 18 IR: Pe. 16	
Fagot	5	8	Pe. 1-9, 11-15, 17, 19, 20 IR: Pe. 10, 16, 18	
Basalt	5	8	Pe. 1-9, 11-15, 17, 19, 20 IR: Pe. 10, 16, 18	
Santa Cruz	4	8	Pe. 1-15, 17, 19, 20	

Sowing calendar Hybrid Spinach Processing - North West Europe

Variety	Sowing period									
	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	
Lignite / PV-1779										
Dolomite										
Bassoon										
Sonoma										
Austin										
Hudson										
NEW Boracite / PV-1785										
Calcite / PV-1773										
PV-1568										
Fagot										
Basalt										
Santa Cruz										

Growth rate

1 = Very slow growth
9 = Very fast growth

Bolting tolerance

1 = Low bolting tolerance
9 = High bolting tolerance

Sowing period

General recommendation;
varies per region

Resistance

Pe. Peronospora effusa
IR Intermediate Resistance

Sow your thoughts and let them grow

