

# Pea, Bean Sweetcorn

Processing  
Assortment

2022-2023



**syngenta®**



# Why Syngenta Vegetable Seeds?



Growers at the heart of everything



Unmatched quality & expertise



Genuine value through innovation



Making a real-world difference

## Syngenta Large Seed Vegetables Team

Syngenta aims to find out what customers consider important today, tomorrow and in the future; this is especially true for the world of vegetables. With customers in mind, we are always looking ahead and constantly thinking about new technologies and innovative products.

In the spirit of this, in January 2021, Syngenta decided to focus on large seeded vegetable seeds and created its own specialized organization highly focusing on three main crops: beans, peas and sweet corn.

Our **Large Seeded Vegetable (LSV) team** aims to reshape the future and market of the crops in collaboration with our customers. We want to make this business attractive like never before. Our LSV organization is here to represent the needs of our partners and customers at the high standard we are accustomed to. Together, hand in hand with them we will develop and strengthen our portfolio, put their needs at the center of our breeding program and work together to promote these crops to consumers.

### ONE TEAM

When Syngenta founded our LSV organization, we clearly sought to create a team of professionals with a focus on large seeded vegetables for many years, they are experienced in the world of vegetable seeds and believing in team work not just internally at Syngenta, but also externally with our customers as well.

We believe that the close cooperation and knowledge transfer between the Supply, R&D and Commercial departments will result in an even better, even more satisfied colleagues.

### ONE VISION

We all believe in the same thing with our expert team: with our experience and specialization, we can offer complete solutions for everyone, be it a grower, a processor or even a distributor.

With our commitment and good partnerships, we can develop a reliable and successful business model.

We believe that with our expertise and well-organized organization, we can enhance Syngenta's reputation and not only be one of the world's leading agricultural companies, but our LSV team can be one of the world's leading specialist advisory groups in terms of innovation and partnership.

### ONE PLAN

Our LSV team is working day by day to add value for the growers, processors, retailers and consumers anywhere in Europe, Africa and the Middle East by new technologies and innovative products.





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Customer focus cannot start early enough. We, the research and development staff, are aware of this, doing our best to make our hybrid selections. Involving our customers in our trialing program is key to get their feedback and requirements as well as to keep them informed about our achievements. Our extensive open field testing system in sweet corn is unique. We place great emphasis on ensuring that our future varieties are well adapted to the increasingly challenging climatic conditions, they are resistant to diseases and best meet the needs of both processors and fresh market. We are confident that the hard work we invest has a return seeing the success of our hybrids in the market.





**GH6055 – NEW In portfolio**

A mid-early sugary hybrid with large ear size and high yield potential. The excellent field holding, MDMV resistance and case recovery make this hybrid a great choice both for growers and processors.



**GH14271 – In development**

A great mid-early sugary variety with stable, high yield potential and with improved resistance package.

It has a sturdy plant habit and deep kernels, which provides a very good recovery potential.



**GSS5613 – In development**

A unique dual purpose variety for processing and fresh market, thanks to its bright, uniform color and its good eating quality. The variety also has great plant habit and yield potential.





# SWEETCORN SUGARY PORTFOLIO

SWEETCORN SUGARY		STARSHINE	BOSTON	GH4927	GH14271 In development	GH6055 In portfolio	ELEMENT	KOOPER
MATURITY	Days	71	73	74	75	77	82	83
	Heat units*	800	830	840	860	880	930	950
EAR LENGTH (cm)		20	20	21	20	21	22	20
EAR DIAMETER (cm)		5,3	5,4	5,4	5,3	5,4	5,3	5,4
KERNEL ROW		14-16	16-18	18-20	16-18	16-18	16-18	16-18
KERNEL DEPTH (mm)		12-13	12-13	12-13	12-13	13-14	12-13	12-13
KERNEL COLOUR		● ● ●	● ● ● ● ●	● ●	● ● ●	● ● ●	● ● ●	● ● ●
Resistance	Et						IR	IR
	Bm	IR			IR			IR
	Ps	HR Rp1-d		HR Rp1-i	HR Rp1-d/g	HR Rp1-d		
	MDMV				HR	IR	HR	IR
	Pst							

● light yellow, ● ● ● ● ● golden yellow; In development: Available in some countries only. New in portfolio: Commercial launch.  
\* Heat units base is 10 °C.



SUPERSWEET CORN  
PORTFOLIO

SUPERSWEET CORN		STRONGSTAR	GSS5649	GSS3071	GSS1477	GSS5613 In development	TYSON	GSS3951	GSS6924	GSS8529	GSS14184	OVERLAND	MORELAND	SHINEROCK
MATURITY	Days	72	78	79	79	81	81	81	81	82	82	83	83	84
	Heat units*	820	890	900	905	930	930	935	935	940	940	955	960	975
EAR LENGTH (cm)		21	21	21	21	24	20	21	21	20	23	20	20	20
EAR DIAMETER (cm)		5,3	5,5	5,3	5,3	5,2	5,6	5,3	5,4	5,5	5,3	5,3	5,3	5,3
KERNEL ROW		14-16	18-20	16-18	16-18	16-18	20-22	18-20	18-20	18-20	18-20	18-20	18-20	18-20
KERNEL DEPTH (mm)		12-13	13-14	12-13	12-13	12-13	12-13	12-13	13-14	13-14	12-13	12-13	12-13	12-13
KERNEL COLOUR		●●●	●●●●	●●●●	●●●●	●●●	●●●●	●●●●	●●●	●●●	●●●	●●●●	●●●	●●●
Resistance	Et	IR	IR	IR	HR	IR	IR	IR	IR		IR	HR	HR	IR
	Bm		IR	HR	HR	IR	IR		IR	IR	HR	IR	IR	HR
	Ps	HR Rp1-g	HR Rp1-d	HR Rp1-d/i	HR Rp1-d	HR Rp1-d	HR Rp1-d/i	HR Rp1-d/i	HR Rp1-g/i		HR Rp1-d/i	HR Rp1-i	HR Rp1-d/g/i	HR Rp1-g
	MDMV	IR	IR	HR	IR		HR	IR	HR	IR	IR			HR
	Pst		IR	HR	IR					HR				IR

● light yellow, ●●●●● golden yellow; In development: Available in some countries only. New in portfolio: Commercial launch.  
\* Heat units base is 10 °C.



# PEA NEW VARIETIES



## **LARANGO** – **NEW** In portfolio

Promising new variety for Mediterranean countries, Larango will exceed customer expectations due to its low AIS. Powdery mildew can be a problem late in the season so resistance will ensure quality and healthy plants.



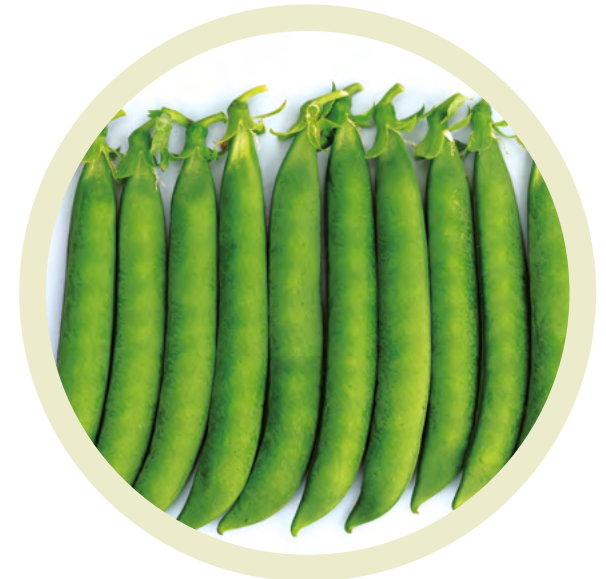
## **ROMAGO** – **NEW** In portfolio

Romago has excellent resistance package, which helps to perform on high pressure fields. It also has very good stability with root rot tolerance. Great potential for organic markets or untreated seeds.



## **OBIGO** – In development

Obigo has a smaller grading than Kengo and is one day later in maturity. It has a high yield potential and it's a very stable variety. Also well performing under various weather conditions.



## **KUDO** – In development

One of our most stable variety in the early segment. Kudo could provide a profitable solution in the most difficult growing period. The appearance of the long pods is very attractive with the added protection of PEMV resistance.







































## **DGF0069** – In development

Refreshing new variety for Amalfi growers, DGF0069 being three days later than Amalfi offers wider flexibility coupled with improved stability. Slightly smaller grading could be more appealing to the consumer.





PEA  
PORTFOLIO

VARIETY NAME	SEGMENT	LEAF TYPE	MATURITY (DAYS)*	MATURITY IN HEAT UNITS (TM100)**	MATURITY IN HEAT UNITS (TM120)**	RESISTANCES				GRADING (TM 100)						GRADING (TM 120)					
						Pv	Ep	PEMV	Fop 1	XF	VF	FI	ML	LG	VL	XF	VF	FI	ML	LG	VL
GLORIVERT	Dark green fine		1	685	705	HR			HR	50%	35%	15%				40%	35%	20%	5%		
NORVERT	Dark green fine		4	725	715	HR			HR	50%	45%	5%				40%	40%	20%			
NOROIT	Dark green fine		6	740	765				HR	30%	50%	20%				35%	40%	20%	5%		
CORUS	Dark green fine		8	770	800				HR	30%	55%	15%				25%	50%	20%	5%		
LUNANVERT	Dark green fine		10	800	825	HR			HR	30%	40%	20%	10%			20%	35%	30%	15%		
ZONDA	Dark green fine		10	790	810				HR	70%	25%	5%				60%	30%	10%			
DGF0071 – In development	Dark green fine		10	790	810	HR		IR	HR	45%	40%	15%				35%	40%	20%	5%		
COLIVERT	Dark green fine		11	820	850		IR		HR	30%	40%	25%	5%			20%	35%	35%	10%		
FESTIVERT	Dark green fine		11	795	810		IR		HR	30%	40%	25%	5%			20%	35%	35%	10%		
TRIVERT	Dark green fine		12	810	845	HR			HR	60%	30%	10%				50%	40%	10%			
ZONVERT	Dark green fine		12	830	855		IR		HR	50%	40%	10%				40%	40%	20%			
ELDORADO	Dark green large		-1	645	675	HR			HR			10%	25%	45%	20%				20%	50%	30%
PRELADO	Dark green large		-1	650	680				HR				15%	45%	40%				5%	45%	50%
KUDO – In development	Dark green large		3	700	720		IR	IR	HR			5%	30%	50%	15%			10%	20%	50%	20%
IDALGO	Dark green large		4	710	730	HR	IR	IR	HR			5%	20%	55%	3%				20%	50%	30%
SALTINGO	Dark green large		4	730	745	HR	IR	IR	HR			10%	20%	50%	20%			5%	15%	55%	25%
ROMAGO NEW In portfolio	Dark green large		5	735	745	HR	IR	IR	HR			5%	20%	55%	20%			5%	10%	55%	30%
AMALFI	Dark green large		6	750	770				HR	10%	25%	35%	25%	5%		5%	20%	35%	30%	10%	
OLINDA	Dark green large		6	740	755		IR		HR			15%	25%	50%	10%			15%	20%	50%	15%
BINGO	Dark green large		7	765	795		IR		HR			5%	15%	55%	25%			5%	15%	45%	35%
RUSELAGO	Dark green large		7	760	785	HR	IR	IR	IR			5%	15%	55%	25%			5%	15%	50%	30%
CONTIGO	Dark green large		8	770	795	HR	IR	IR	HR			5%	20%	50%	25%			5%	15%	50%	30%
MUCIO	Dark green large		8	770	790		IR		IR				15%	50%	35%				5%	55%	40%
SABRINA	Dark green large		8	765	790		IR		HR		5%	20%	30%	40%	5%		5%	15%	25%	45%	10%
SOMERWOOD	Dark green large		8	770	795		IR		IR				10%	40%	50%				10%	40%	50%
DGF0069 – In development	Dark green large		9	790	810		IR	IR	HR	10%	25%	35%	25%	5%		5%	20%	30%	30%	15%	
GRUNDY	Dark green large		10	800	825		IR	IR	HR				20%	55%	25%				20%	50%	30%
VIVADO	Dark green large		10	800	830	HR	IR	IR	HR			5%	30%	50%	15%			5%	25%	50%	20%
KENGO	Dark green large		11	820	835	HR	IR	IR	HR			5%	25%	50%	20%				25%	50%	25%
LARANGO NEW In portfolio	Dark green large		14	850	880		HR		HR			10%	20%	50%	20%			5%	20%	50%	25%
OBIGO – In development	Dark green large		14	850	880	HR	IR	IR	HR			25%	30%	40%	5%			15%	30%	40%	15%
VALVERDE	Dark green large		13	830	850		IR		IR			10%	15%	50%	25%			5%	15%	50%	30%
MASTIN	Dark green large		14	850	880				HR		5%	10%	15%	40%	30%			5%	20%	40%	35%
DORSETTE	Light green		4	730	755				HR	50%	40%	10%				45%	40%	15%			
ARABELLE	Light green		11	795	825				HR	50%	40%	10%				40%	40%	20%			
PROMESSE	Light green		12	835	860				IR	50%	40%	10%				40%	45%	15%			



## BEAN NEW VARIETIES

syngenta®



### **HARRISON** – **NEW** In portfolio

Good choice for the Fine-Mid large segment.  
Harrison has an upright bush and high-quality straight pods.  
Uniform set provides high yield potential.



### **JAMESON** – **NEW** In portfolio

Verdigon type very fine variety with very high yield,  
good stability and good lodging tolerance.



## BEAN NEW PRODUCTS



### **ROGUE** – In development

Rogue is a dual-purpose bean with an excellent erect bush and uniform pod set. The grading is perfect for the customer looking for a bigger caliber whilst providing an amazing colour.



### **REDEMPTION** – In development

Redemption is the pair of ROGUE, it has all the advantages of its sibling, while it keeps uniformity and high-quality pods while outperforming market standard varieties in extreme heat stress conditions.



### **EMOTION** – In development

A new extra fine variety with excellent upright bush and very high yield potential. An addition to Bastion in a slightly bigger grading.





BEAN  
PORTFOLIO

VARIETY NAME	SEGMENT	MATURITY GROUP	POD COLOUR	POD LENGTH (cm)	BCMV	CI1	Psp1-2	GRADING				
								XF < 6.5 mm	VF < 8 mm	FI < 9 mm	ML < 10,55 mm	LG > 10,5 mm
KALDERON	Extra fine	Medium	●	11,5	HR	HR	HR	65%	35%			
EMOTION – In development	Extra fine	Medium	●	12	HR	HR	HR	70%	30%			
BASTION	Extra fine	Medium	●●	11,5	HR	HR	HR	80%	20%			
KAMARON	Very fine	Mid-early	●	12	HR	HR	HR	20%	75%	5%		
JAMESON NEW In portfolio	Very fine	Medium	●●	12	HR	HR	HR	10%	65%	25%		
KAPRON	Very fine	Mid-late	●●●	12	HR	HR	HR	40%	55%	5%		
POWERON	Very fine	Mid-early	●●	11,5	HR	HR	HR	15%	70%	15%		
MASAI	Very fine	Medium	●●	10,5	HR		HR	10%	70%	20%		
VERDIGON	Very fine	Medium	●●	12	HR	HR	HR	10%	75%	15%		
AUBERON	Fine	Mid-early	●●	12	HR	HR	HR		5%	50%	40%	5%
ESCADRON	Fine	Mid-early	●●	12	HR	HR	HR		20%	50%	30%	
CERDON	Fine	Mid-early	●	12	HR	HR	HR		5%	45%	45%	5%
HARRISON NEW In portfolio	Mid-large	Mid-early	●	12	HR		HR		5%	35%	45%	15%
MOMENTUM	Mid-large	Mid-early	●●●●	15	HR					20%	30%	50%
OUTLAW	Mid-large	Mid-early	●●●●	13	HR					30%	50%	20%
REDEMPTION – In development	Mid-large	Mid-early	●●●	13,5	HR	HR					90%	10%
ROGUE – In development	Mid-large	Mid-early	●●	14	HR					25%	40%	35%
CARSON	Wax	Medium	Yellow	14	HR	HR				10%	80%	10%
MONCAYO	Flat	Medium	●●	14								

In development: Available in some countries only. New in portfolio: Commercial launch.  
● light green, ●●●●●● dark green



A question?

Get in touch with your local sales or marketing contact, we are here to help you.

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SWEETCORN ABBREVIATIONS

Pst	Stewart's wilt <i>Pantoea stewartii</i> (ex.: <i>Erwinia stewartii</i> )
Bm	Southern corn leaf blight (SCLB) <i>Bipolaris maydis</i> (ex: <i>Helminthosporium m.</i> )
Et	Northern corn leaf blight (NCLB) <i>Exserohilum turcicum</i> (ex: <i>Hel. turcicum</i> )
Ps	Common rust <i>Puccinia sorghi</i>
Rp1-d	Common rust <i>Puccinia sorghi</i> (Rp1-d)
Rp1-e	Common rust <i>Puccinia sorghi</i> (Rp1-e)
Rp1-g	Common rust <i>Puccinia sorghi</i> (Rp1-g)
Rp1-i	Common rust <i>Puccinia sorghi</i> (Rp1-i)
MDMV	Maize dwarf mosaic virus <i>Maize Dwarf Mosaic Virus</i>

PEA ABBREVIATIONS

Fop: 1	Fusarium wilt <i>Fusarium oxysporum f.sp.pisi</i>
Ep	Powdery mildew <i>Erysiphe pisi</i>
Pv	Downy mildew <i>Peronospora viciae</i>
PEMV	Pea enation mosaic virus <i>Pea enation mosaic virus</i>

BEAN ABBREVIATIONS

BCMV	Bean common mosaic virus <i>Bean common mosaic virus</i>
Cl: 1	Anthracnose <i>Colletotrichum lindemuthianum</i> race alpha, beta, delta, gamma, lambda
Psp 1, 2	Halo blight <i>Pseudomonas savastanoi pv. Phaseolicola</i> race 1. 2

Definition of resistances

Resistance is the ability of a plant variety to restrict the growth and development of a specified pest or pathogen and/or the damage they cause when compared to susceptible plant varieties under similar environmental conditions and pest or pathogen pressure. Resistant varieties may exhibit some disease symptoms or damage under heavy pest or pathogen pressure.

Two levels of resistance

**High resistance (HR):** plant varieties that highly restrict the growth and development of the specified pest or pathogen under normal pest or pathogen pressure when compared to susceptible varieties. These plant varieties may, however, exhibit some symptoms or damage under heavy pest or pathogen pressure.

**Intermediate resistance (IR):** plant varieties that restrict the growth and development of the specified pest or pathogen, but may exhibit a greater range of symptoms or damage compared to high resistant varieties. Intermediately resistant plant varieties will still show less severe symptoms or damage than susceptible plant varieties when grown under similar environmental conditions and/or pest or pathogen pressure.





Syngenta has exercised reasonable care and skill in compiling this brochure. All resistances quoted refer only to races or pathotypes indicated at the varieties. Other pathogen races or pest biotypes capable of overcoming the resistance may exist or emerge. Syngenta uses highly elaborate analytical methods to verify specific variety resistances. Specificity of pests or pathogens may vary over time and space and depends on environmental factors. In order to maximize the efficiency of a resistance, it is highly recommended to combine different ways of control such as growing conditions, plant protection products and genetic resistance as part of an integrated crop management. All data in this brochure are intended for general guidance only and the user should apply it in accordance with his own knowledge and experience of local conditions. In case of doubt we recommend that a small scale trial production be carried out to determine how local conditions may affect the variety. Syngenta cannot accept any liability in connection with this brochure.

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