



2024 PROCESSOR CATALOG

 PureLine Seeds, Inc.

Tomorrow's Harvest in Today's Seeds



Dear Reader,

This year marks the 5th anniversary since we purchased Pure Line Seeds, and we wrapped up our 75th anniversary in business last year. We are thankful for each of you who make this a great industry to work in. Within this catalog, you will find some exciting new products like Caspian wax bean. Another new addition is our new brand, Prudac™ Americas, in which we have placed our potted and bedding plant material of vegetables.

We invite you to come to one of our trials throughout the year or visit us at one of our two production locations in the Western USA. We appreciate the continued support.

All the best,
Ethan and Torey Rosen

 Pure Line Seeds, Inc.

The background of the page features a close-up photograph of green beans in a wooden crate. The beans are vibrant green and appear fresh. The wooden crate is made of light-colored wood with visible grain and texture. A semi-transparent green rectangular box is overlaid on the image, serving as a backdrop for the text.

CONTENTS

Pea	03
Bean	07
Beet	09
Sweet Corn	11



PEA



ELDORADO

First Early Variety
Maturity: 54 days



SPRING

First Early Variety
Maturity: 55 days



STRIKE

First Early Variety
Maturity: 56 days



M-14

Second Early Variety
Maturity: 58 days



SHORT STORY

Second Early Variety
Maturity: 58 days



TOPPS

Second Early Variety
Maturity: 59 days



MISTY

Second Early Variety
Maturity: 59 days



11P42

Second Early Variety
Maturity: 59 days



PLS 228

Second Early Variety
Maturity: 61 days



SALTINGO

Second Early Variety
Maturity: 61 days

Variety	Maturity (Days)	Heat Units to Maturity	Node at First Bloom	Vine Type	Average Sleeve Size	Average Plant Height, in	Average Pods Per Node	Fusarium Wilt Races	Fusarium RR	Pythium RR	Aphanomyces RR	Bean Leaf Roll	Pea Enation	Powdery Mildew	Downy Mildew	Pea Seed Born Mosaic Virus	Ascochyta Leaf and Pod Spot
First Early																	
Eldorado	54	1110	9	Normal	4.03	20-22	1-2	R ¹						HR			
Spring	55	1120	9	Normal	4.10	22-24	1-2									IR	
Strike	56	1140	9	Normal	3.95	22-24	1-2			HR				T			IR
Second Early																	
M-14	58	1200	9-10	Normal	3.70	19-20	2-3	R ¹							T		T
Prevail	58	1220	9	Afila	3.60	18-20	2	R ¹									
Short Story (PLS 534)	58	1220	10	Afila	3.80	18-20	1-2	R ¹	T					T	T		
Topps	59	1260	10-11	Normal	3.50	22-23	2	R ¹	T				HR				
Misty	59	1260	9-10	Normal	3.85	17-19	2	R ¹									
11P42	59	1275	11-12	Afila	3.90	20-22	2	R ¹								IR	IR
Idalgo	60	1320	11-13	Afila	3.40	22-23	2	R ¹					T	R	T		
PLS 228	61	1330	11-12	Afila	3.54	18-22	2-3	T ¹ , R ²						R		T	IR
Saltingo	61	1350	11-13	Afila	3.50	24-26	2-3	R ¹					T	R	T		

HR = High Resistance, R = Resistance, IR = Intermediate Resistance, T = Tolerance



PLS 167

Mid-Season Variety
Maturity: 64 days



PLS 566

Mid-Season Variety
Maturity: 64 days



PLS 613

Mid-Season Variety
Maturity: 64 days



PLS 251

Mid-Season Variety
Maturity: 68 days



PLS 602

Mid-Season Variety
Maturity: 68 days



DANCER

Late Season Variety
Maturity: 69 days



PLS 595

Late Season Variety
Maturity: 70 days



PLS 560



PLS 179

Late Season Variety
Maturity: 70 days



PLS 648

Late Season Variety
Maturity: 71 days



PLS 196

Late Season Variety
Maturity: 71 days

Variety	Maturity (Days)	Heat Units to Maturity	Node at First Bloom	Vine Type	Average Sleeve Size	Average Plant Height, In	Average Pods Per Node	Fusarium Wilt Races	Fusarium RR	Pythium RR	Aphanomyces RR	Bean Leaf Roll	Pea Enation	Powdery Mildew	Downy Mildew	Pea Seed Borne Mosaic Virus	Ascochyta Leaf and Pod Spot
Mid Season																	
PLS 167	64	1430	11-13	Afila	3.10	22-24	2-3	R ¹			IR			R		T	IR
PLS 566	64	1430	13-15	Afila	3.80	22-24	2	R ¹						R	T	IR	IR
PLS 613	64	1460	14-15	Afila	3.10	22-24	2-3	R ¹								T	IR
PLS 560	65	1450	15	Afila	3.50	18-22	2-3	R ²	IR					R		R	
PLS 576	65	1475	13-14	Afila	3.75	25	2-3	R ¹						R		T	IR
Bolero	68	1480	14	Normal	4.0	28-30	2-3	R ¹								IR	R
Serge	68	1480	14	Afila	3.60	26-28	2	R ¹		T			R	R		T	
PLS 251	68	1480	15	Afila	3.50	24-26		R ¹					HR	R	T		
PLS 602	68	1490	15-17	Afila	3.0	20-22	2-3	R ¹ , R ²	T				R	R			
Late Season																	
Dancer	69	1520	15-17	Afila	3.40	26-27	3-4	R ¹					HR	R	T		
PLS 595	70	1550	15-16	Afila	3.80	26-30	2	R ¹						R	T	T	IR
Genie	70	1550	15	Afila	4.0	26	2	R ¹						R			
PLS 179	70	1600	15-17	Afila	4.40	30-32	2	R ¹				HR	R	R			
Recruit	71	1530	14-15	Afila	3.85	22-24	2-3	R ¹	T		T		HR	R		T	
PLS 648	71	1530	14-15	Afila	3.70	26-28	2	R ¹ , R ²						R			
PLS 196	71	1600	16	Afila	4.0	26-30	2	R ¹ , R ²	T					R	T		

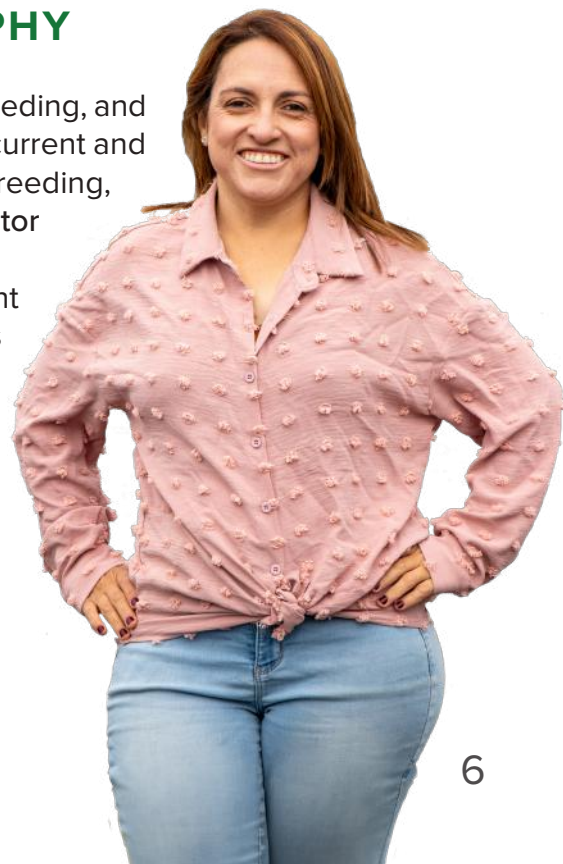
HR = High Resistance, R = Resistance, IR = Intermediate Resistance, T = Tolerance

PURE LINE SEEDS BREEDING PHILOSOPHY

"As the Research Director, I aim to lead participatory research, breeding, and development of exceptional agricultural products that meet the current and future needs of our customers, promoting excellence in plant breeding, research, and development." - Ellie Bodah Ph.D., Research Director

"Induce variation and make selection" – this is the principle of plant breeding on which Pure Line Seed's breeding program stands the last two decades. We use traditional, non-GMO practices to induce variation followed by intensive selection processes in the field and in various places. Our definition of "pure line" is the pure and uniform results of our natural breeding methods. Our goal is to produce "pure lines" of seed for years to come."

- Pure Line Seeds Breeding Team





BEAN



ACCELERATE
Green Bean
Maturity: 54 days



FERRARI
Green Bean
Maturity: 55 days



RR 2015
Green Bean
Maturity: 56 days



BRUCE
Green Bean
Maturity: 56 days



UW #4
Green Bean
Maturity: 56 days



GB 72
Green Bean
Maturity: 57 days



SASSY
Green Bean
Maturity: 57 days



DAWSON GOLD
Wax Bean
Maturity: 55 days



GOLDRUSH
Wax Bean
Maturity: 58 days



ROMA II
Italian Flat Bean
Maturity: 58 days

Variety	Maturity (Days)	Pod Length Inches	Pod Color	Percent 1-3 Sieve	Percent 4 Sieve	Percent 5 Sieve	BCMV	Brown Spot	Curly Top	Lygus	Heat	Halo Bacterial Blight	Rust-UR4	Anthrachnose	Root Rot	CMV	White Mold
Green Beans																	
Elegance	54	4.5-5"	M	100	0	0	IR		IR				R				T
Accelerate	54	6.5"	M	10	40	50	IR	T	T						T		
Ferrari	55	5"	D-Gloss	40	60	0	IR		R			R	IR	IR		R	
RR 2015	56	5-6"	M	20	40	40	IR						R				
BBL 156	56	5.9"	M	10	50	40	IR										
Bruce	56	6"	MD	25	60	15	R		R				IR				
UW #4	56	5-6.5"	L	10	20	40	IR							IR			
GB 72	57	5.5"	M	25	60	15	IR				T	R	R				
Sassy	57	4"	M	40	60	0	R		R					IR			
Greenfield	58-60	6.5-7"	D	80	20	0	R		R								
Antigua	60	5-5.5"	D	33	60	7	R		R			R		IR			
Wax Beans																	
Carson	53	5.5"	M				HR	IR						HR			
Caspian	54	<5"	M	39	48	13	R		R				IR	IR			
Dawson Gold	55	5"	M	22	47	31	R	T	R				R	IR			
Goldrush	58	5.5"	D	20	50	30	R		IR				IR	IR			
Italian (Flat) Beans																	
Roma II	58	6"	M				IR		T				IR				
Wav 91			MD				IR					R	R				

M = Medium, MD = Medium Dark, D = Dark, VD = Very Dark, L = Light, R = Resistance, IR = Intermediate Resistance, T = Tolerance, BCMV = Bean Common Mosaic, CMV = Cucumber Mosaic Virus



BEET



RED ATLAS

Red Beet
Maturity: 55 days



RUBY QUEEN

Red Beet
Maturity: 50-60 days



RED TITAN

Red Beet
Maturity: 60 days



DETROIT DARK RED

Red Beet
Maturity: 60-65 days



GOLDEN BOY

Red Beet
Maturity: 85-90 days



Variety	Color	Maturity (Days)	Shape	Internal Color	Internal Zoning	Sugar Content (%)	Top Height (Inches)	Leaf Habit	Leaf Color	Bolt Habit	CLS	DM	PM	RS	D
Red Beet															
Red Atlas	Red	55	Globe	Dark Red	None	12-15	14-15	Fully Erect	Bright Green	Late	R	M	M	MR	T
Ruby Queen	Red	50-60	Globe	Dark Red	None			Upright	Med Green	High Tol	R				
Red Titan	Red	60	Globe	Dark Red	None	12-15	12-13	Fully Erect	Green w/Red Veins	Late	R	M	M	MR	T
Detroit Dark Red	Red	60-65	Globe	Dark Red	Moderately Distinct	Med	16-18		Dark Green	Tol	M	MR			
Yellow Beet															
Golden Boy	Yellow	85-90	Globe	Bright Yellow	Low	High	14-16	Upright	Light Green	High Tol	M				T

CLS = Cercospora Leaf Spot (*Cercospora beticola*), DM = Downy Mildew (*Peronospora farinosa* f. sp. *betae*), PM = Powdery Mildew (*Erysiphebetae*), RS = Rhizoctonia Root Rot (*Rhizoctonia solani*), and D = Drought.



SWEET CORN



1470 XR

Yellow
Maturity: 69 days



1972 XR

Yellow
Maturity: 72 days



XTH1679

Yellow
Maturity: 75 days



XTH 1079

Yellow
Maturity: 76 days



1979 MXR

Yellow
Maturity: 79 days



XTH4079 MXR

Yellow
Maturity: 79 days



1980 XR

Yellow
Maturity: 80 days



4182 MXR

Yellow
Maturity: 82 days



PLATINUM XR

White
Maturity: 80 days



3879 XR

White
Maturity: 81 days

Variety	Maturity (Days)	Kernel Color	Plant Height (Inches)	Ear Height (Inches)	Number of Kernel Rows	Ear Length (Inches)	Ear Diameter (Inches)	Husk Color	Flag Leaves	Husk Protection	Shank	Tenderness	Sweetness	GW	PS	NCLB	MDM	HPPD/ALS
Yellow Sweet Corn																		
1470 XR	69	YW	70	24	16-18	7.50-8.25	1.75-2.00	4	4	3	3	5	4		RpG	MS		T
1972 XR	72	YW	77	23	16-20	7.75-8.50	1.90-2.10	4	4	3	3	5	4		RpG	MS		T
XTH1679	75	YW	70	25	16-18	8.50-9.00	1.80-2.00	4	4	3	4	4	3		RpGl	MR	R	T
XTH1079	76	YW	70	25	16-18	8.50-9.00	1.80-2.00	4	4	3	4	4	3		RpGl	M	R	T
1979 MXR	79	YW	85	31	16-18	7.75-8.25	1.90-2.10	5	5	3	4	4	4		RpGl	MR	R	I
XTH4079 MXR	79	YW	86	27	16-20	7.75-8.25	1.90-2.00	4	4	4	4	4	4			M	MR	T
1980 XR	80	YW	84	25	16-18	8.75-9.50	1.90-2.20	5	4	4	4	5	4		RpGDJ	MS		T
4182 MXR	82	YW	90	26	16-18	7.00-8.25	1.90-2.10	4	4	2	4	4	4	MS	RpGl	MR	R	T
White Sweet Corn																		
PLATINUM XR	80	WHT	76	24	16-18	7.50-8.25	1.80-2.00	3	4	3	4	4	3		RpGDJ	MR		T
3879 XR	81	WHT	81	25	16-20	7.75-8.25	1.90-2.10	4	5	3	5	5	4		RpGDJ	MR		T

GW=Goss' Wilt (*Clavibacter michiganensis* subsp. *nebraskensis*), PS= Common Rust (*Puccinia sorghi*), NCLB=Northern Corn Leaf Blight (*Exserohilum turcicum*), MDM= Maize dwarf mosaic (Maize Dwarf Mosaic Virus), also resistant to HPV (High Plains Virus) and SCMV (Sugarcane Mosaic Virus), HPPD/ALS – Indicates reaction to ALS and HPPD inhibiting herbicides. Examples of herbicides with these modes of action are Accent (ALS), Callisto (HPPD), and Laudis (HPPD). Always read and follow herbicide label instructions.

*Data are representative summaries from hybrid evaluations in Champaign, IL and Plover, WI. Ordinal ratings are on a scale of 1 to 9, where 1 indicates the best value.



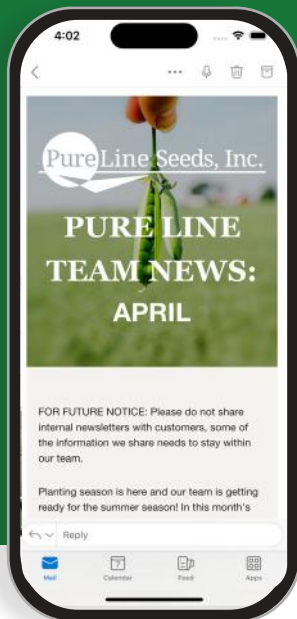
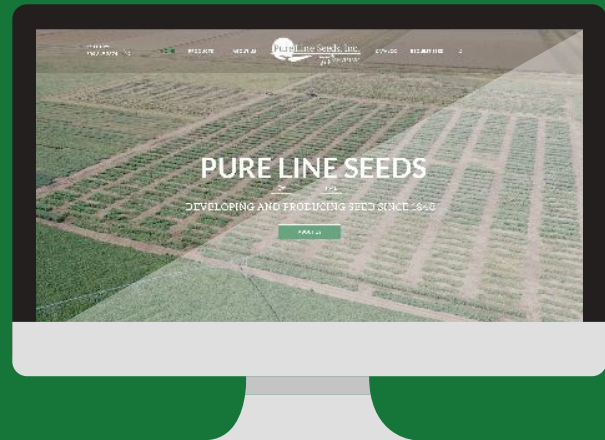
	Husk Color	Flag Leaves	Husk Protection	Shank	Tenderness	Sweetness
1	Very Dark Green	Exceptional Flag Leaves	Excellent Coverage	Very Compact Shank Length	Exceptional Tenderness; Reserve Quality	Exceptional Sweetness & Flavor
2	Dark Green	Excellent Flag Leaves	Very Good Coverage	Compact Shank Length	Excellent Tenderness; Reserve Quality	Excellent Sweetness & Flavor
3	Medium-Dark Green	Very Good Flag Leaves	Good Coverage	Compact Medium Shank Length	Very Good Tenderness; Xtra-Tender Quality	Very Good Sweetness & Flavor
4	Medium Green	Good Flag Leaves	Adequate Coverage	Medium Shank Length	Good Tenderness; Xtra-Tender Quality	Good Sweetness & Flavor
5	Medium-Light Green	Moderate Flag Leaves	Moderate Coverage	Medium Long Shank Length	Moderate Tenderness; Shipping Quality	Moderate Sweetness & Flavor
6	Light Green	Weak Flag Leaves	Weak Coverage	Long Shank Length	Firm Pericarp; Xtra-Sweet Quality	
7	Very-Light Green			Very Long Shank		

GROW WITH US

Stay informed with what we are up to!

VISIT OUR WEBSITE

Check out our product offerings online: www.purelineseed.com



E-NEWSLETTER

Send our marketing team your email address so you can start receiving monthly updates! Check out our social channels for weekly updates!

CONNECT WITH US

PHONE:
(509) 349-2374

EMAIL:
marketing@purelineseed.com



@purelineseeds



@PureLineSeed

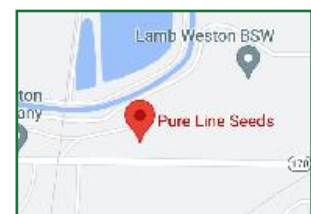


@pure-line-seeds-inc



@Pure Line Seeds, Inc.

Come Visit!



Pure Line Seeds, Inc.
1700 West First St.
Warden, WA 98857



Tomorrow's Harvest in Today's Seeds

