



2023 PROCESSOR CATALOG

 PureLine Seeds, Inc.

Tomorrow's Harvest in Today's Seeds



Dear Reader,

This year marks the 75th anniversary of Pure Line Seeds and these milestones make us grateful for all the people that have supported us all these years. Our team is continuing to expand the legacy of those that have helped bring us to where we are today. We stand on the shoulders of industry giants that were a part of Pure Line. One major expansion by Pure Line Seeds is broadening our production capabilities through the purchase of a seed operation in Olathe, Colorado. Key benefits of the location are small block production acres, new crop options like wet seed productions, and a knowledge base to produce these new offerings from Pure Line. If you have any needs for new productions, please reach out to our team to see if we can support your needs through one of our production locations.

Within this catalog, you will see several new varieties; some highlights that I like this year are the following: Caspian Wax bean and Dawson Gold Wax bean. Let us know if you have any questions as you work through the catalog.

Once again, we are thankful for our 75th anniversary and look forward to many more years to come!

Your Family-Owned and Independent Seed Company,
Ethan Rosen
President



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PRODUCTIONS EXPANSION

LOCATIONS

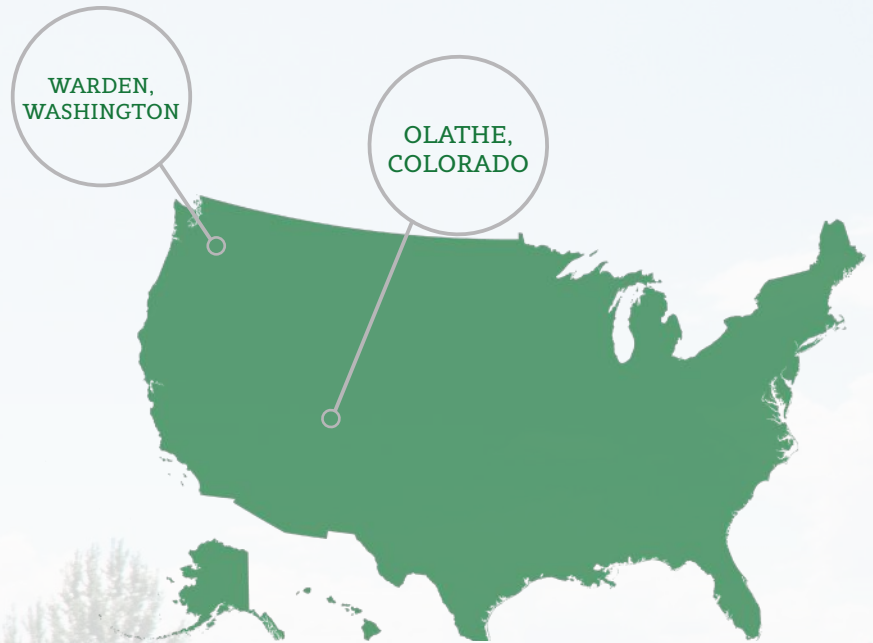
We are honored to announce that we now have two production facilities: Warden, Washington and Olathe, Colorado.

Washington:

Our team utilizes a network of professional seed growers in the Pacific Northwest's Columbia River Basin- the country's premier seed growing region- to produce high-quality seed.

Colorado:

Our team utilizes the Uncompahgre River and the Gunnison River project to feed to smaller blocks of acres, which is perfect for seed production.



PRODUCTION OFFERINGS

Due to our strong presence within the US and through the Colorado expansion, we are able to offer more vegetable crop productions.

Conventional Productions

Attentive care throughout the season means we're able to offer open varieties and our own proprietary material at a higher standard.

Certified Organic Productions

Contact us for any organic pea or bean needs, as well as any potential organic requirements in carrots.

Custom Productions

We have the capabilities to produce our normal crops like peas and beans, but we've expanded into other crop segments and can offer a wider range of custom production needs.

Custom Milling

Let us know if you have any special milling needs. We specialize in pea and bean milling.



PLS 251

PEAS & BEANS

“Induce variation and make selection” – this is the principle of plant breeding on which Pure Line Seed’s breeding program stands today. 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 produce “pure lines” of seed for years to come.



ELDORADO

First Early Variety
Maturity: 54 days



SHORT STORY (PLS 534)

Second Early Variety
Maturity: 58 days



M-14

Second Early Variety
Maturity: 58 days



SALTINGO

Second Early Variety
Maturity: 61 days



PLS 228

Second Early Variety
Maturity: 61 days



PLS 167

Mid-Season Variety
Maturity: 63 days



PLS 613

Mid-Season Variety
Maturity: 64 days



PLS 196



DANCER

Late Season Variety
Maturity: 70 days



PLS 595

Late Season Variety
Maturity: 71 days



PLS 196

Late Season Variety
Maturity: 74 days

Variety	Maturity (Days)	Heat Units to Maturity	Node at First Bloom	Vine Type	Average Stew 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 Blight
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						IR
Second Early																	
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			
M-14	58	1220	9-10	Normal	3.70	19-20	2-3	R ¹									T
Topps	59	1260	10-11	Normal	3.50	22-23	2	R ¹					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					HR	IR	HR		
PLS 228	61	1330	11-12	Afila	3.54	18-22	2-3	T ¹ , T ²						T			IR IR
Saltingo	61	1350	11-13	Afila	3.50	24-26	2-3	R ¹					HR	IR	HR		
Mid-Season																	
PLS 167	63	1430	12	Afila	3.06	22-24	2-3	R ¹						R	HR	T	IR
PLS 560	63	1435	14	Afila	3.20	18-22	2-3	T ²									IR
PLS 566	64	1460	13-14	Afila	3.70	22-24	2	R ¹						R	T	IR	IR
PLS 613	64	1460	14-15	Afila	3.10	22-24	2-3	R ¹						R		T	IR
PLS 576	65	1475	13-14	Afila	3.75	25	2-3	R ¹						R		T	IR
PLS 602	68	1475	15	Afila	3.05	20-22	2-3	R ¹ , R ²	T				IR	R			
Bolero	68	1480	14	Normal	4.0	28-30	2-3	R ¹									IR IR
Serge	68	1480	14	Afila	3.60	26-28	2	R ¹ , R ² , R ⁵		T			HR	R	IR	T	
PLS 251	68	1480	15	Afila	3.50	24-26		R ¹					HR	R	IR		
Late Season																	
Dancer	70	1500	15-16	Afila	3.45	26-27	3-4	R ¹					HR	R	IR		
Recruit	71	1530	14-15	Afila	3.85	22-24	2-3	R ¹					T	R			T
PLS 648	71	1530	14-15	Afila	3.70	26-28	2	R ¹ , T ²						R			
PLS 595	71	1550	15-16	Afila	3.60	26-30	2	R ¹						IR	T	IR	IR
PLS 179	72	1550	15	Afila	4.05	30-32	2	R ¹				HR	T	R			IR
Genie	73	1580	16-17	Afila	4.0	26	2	R ¹						R			
PLS 196	74	1600	16	Afila	3.60	26-30	2	R ¹ , R ²	T					R	T		IR

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



ACCELERATE

Green Bean
Maturity: 54 days



FERRARI

Green Bean
Maturity: 55 days



BBL 156

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

(RR 7001)
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	Anthracnose	Root Rot	CMV
Green Beans																
Elegance	54	4.5-5"	M	100	0	0	IR		IR				R			
Accelerate	54	6.5"	M	10	40	50	IR	T	T						T	
Ferrari	55	5"	D-Gloss	40	60	0	IR							IR		T
RR 2015	56	5-6"	M	20	40	40	IR						R			
BBL 156	56	5.9"	M	10	50	40	IR									
Bruce (PLS 524)	56	6"	MD	25	60	15	IR		IR				R			
UW #4	56	5-6.5"	L	10	20	40	IR							IR		
GB 72	57	5.5"	M	25	60		IR				T	R	R			
Sassy	57	4"	M	40	60	0	IR		IR					IR		
Greenfield	58-60	6.5-7"	D	80	20	0	IR					R	R	IR		
Antigua	60	5-5.5"	D	33	60	7	IR					R		IR		
Wax Beans																
Caspian (RR 7002)	54	<5"	M	39	48	13	IR		IR				R	IR		
Dawson Gold (RR 7001)	55	5"	M	22	47	31	IR						R	IR		
Goldrush	58	5.5"	D	20	50	40	IR		IR					IR		
Italian (Flat) Beans																
Roma II	58	6"	M				IR			T						
Wav 91			M-D				IR					R	R			

M = Medium, 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.



VIVA F1

CARROT



BENGALA F1

Nantes Type

Maturity: 120 days



CALTONA F1

Flakee Type

Maturity: 150 days



CALTONA F1

Variety	Maturity (Days)	Type	Root Length (Inches)	Root Shape	External Color	Internal Color	Skin (Lenticles)	Core Size	Root Uniformity	Shoulders (purple/green)	Foliage Height	Foliage Attachment	Bolting	Alternaria dauci	Brittle Tolerance
Bengala F1	120	Nantes	7.50-9.10	Oblong	Orange	Orange	Smooth	Med	High	Less Sensitive	Tall	Strong	Med	T	T
Caltona F1	150	Flakee	9.40-13.40	Tapered	Bright Orange	Orange	Smooth	Med	Med	Less Sensitive	Tall	Strong	Med	T	T



SWEET CORN



1470 XR

Yellow
Maturity: 69 days



1972 XR

Yellow
Maturity: 72 days



XTH1679

Yellow
Maturity: 75 days



DORAL (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



RIVERSIDE (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
Doral (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
Riverside (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.



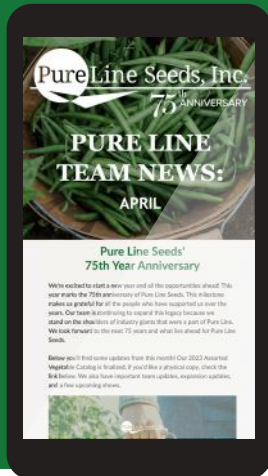
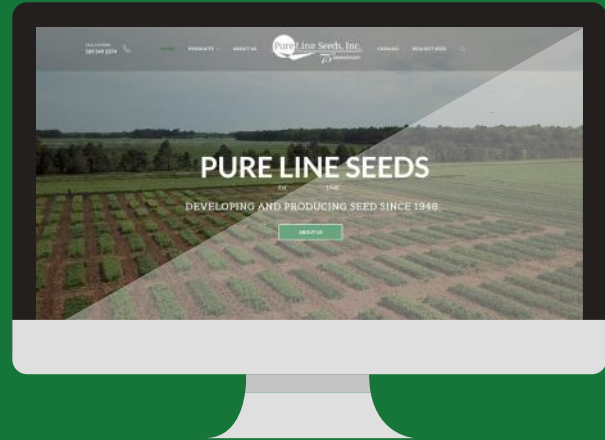
	Husk Color	Flag Leaves	Husk Protection	Shank	Tenderness	Sweetness
1	Very Dark Green	Exceptional Flag Leaves	Excellent Coverage	Very Compact Shank Length	Exceptional Tenderness; Reserve Quality	Exceptional Sweetness & Flavor
2	Dark Green	Excellent Flag Leaves	Very Good Coverage	Compact Shank Length	Excellent 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!

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E-NEWSLETTER

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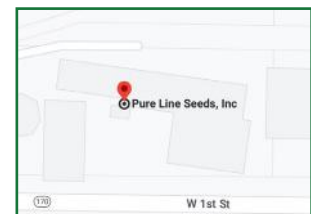


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