

Dark green wrinkled seeded pea varieties for processing

Variety											Disease					
											Resistant/Tolerant					
	Days to Maturity	Heat Unit	Node to 1st Flower	Vine Height in Inches	Avg Sieve Size	Vine Type	Pods per Node	Pod Shape	Color	Avg Seeds per lb	FW	PM	DM	B L R v	P E M v	S b M v
Jumpstart	57	1110	9	22	3.6	Normal	Double	Blunt	Med Dark	2600	1					
Premium	58	1150	9	23	4.3	Normal	S & D	Blunt	Dark	2200	1					
June	59	1160	9	23	3.6	Normal	Double	Pointed	Dark	2400	1					
Cosima	62	1270	10	25	3.8	Normal	Double	Blunt	Med Dark	2700	1					
Tonic	63	1300	10-11	26	4.2	Normal	Multiple	Blunt	Very Dark	2200	1,2			R		
Sienna	63	1340	12	25	4.2	Normal	Multiple	Blunt	Dark	2000	1,2					
Gusty	64	1370	10-13	28	3.8	Afila	Double	Blunt	Dark	2400	1,2	R	R			
Impact	64	1380	10-14	22	3.2	Afila	Multiple	Pointed	Med Dark	2600	1,2	R	R	R		
Digit	64	1410	12-13	26	2.7	Afila	Multiple	Blunt	Dark	3000	1,2		R	R		
Bistro	66	1410	12-13	23	3.8	Afila	Multiple	Blunt	Dark	2200	1,2		T			
Spartan	67	1450	12-14	25	3.8	Afila	Multiple	Blunt	Dark	2400	1	R				
Destiny	67	1450	12-13	25	4.0	Normal	Multiple	Blunt	Med Dark	2500	1,2	R	T		R	
Boogie	68	1470	14-15	26	3.8	Afila	Multiple	Blunt	Dark	2200	1	R	T			
Bolero	68	1480	14-15	29	3.8	Normal	Multiple	Blunt	Dark	2200	1					
Feisty	69	1530	14-16	28	4.0	Afila	Multiple	Blunt	Dark	2100	1,2	R3		T		
Ambassador	70	1570	15-16	34	4.2	Normal	Double	Blunt	Medium	2300	1,2	R		R	R	
Fantasy	70	1570	15-16	28	3.8	Afila	Double	Blunt	Med Dark	2500	1,2	R2	T	R	R	R
Genie	70	1580	16-17	26	4.1	Afila	Double	Blunt	Med Dark	2100	1,2	R				
Athena	71	1600	15	35	4.5	Normal	Multiple	Blunt	Med Dark	2200	1	R2				
Concept	73	1620	16-18	32	3.7	Afila	Multiple	Blunt	Med Dark	2600	1,2,5,6	R	T			

Jumpstart is an early season, normal vined pea. With a 3.6 sieve size and robust disease resistance, Jumpstart is an exceptional option for an early season variety.

Premium, adapted to the early season, handles cool soils very well. Premium also offers good yield potential and satisfies the market demand for high quality processed peas.

June is known for its exceptional quality and has set the standard for comparison among all early season, normal vined varieties worldwide.

Cosima, in just a few short years, has gained immense popularity and a steadily increasing following in the NW and MW USA.

Tonic is undoubtedly one of our most successful varieties. Consistent, extraordinary yields have made Tonic the largest selling early maturity variety in the NW USA.

Sienna, adapted to the early season, handles cool soils very well and has shown strong plant vigor in various trials. Sienna is similar to Tonic for maturity, sieve size, & quality.

Gusty is a new variety that consistently out yields all others in its class. Its multi disease resistance allows processors to plant Gusty under disease pressure, especially where PM & DM occur.

Impact is a new variety for Brotherton. Processors looking for a multi-disease resistant, small sieve afila need not look any farther. This mid season pea will fulfill all of the above requirements.

Digit is a afila intermediate petite that out yields anything in its class. Its excellent disease package with Downy Mildew tolerance will lead the pack.

Bistro's afila plant habit & its determinant nature enhances the pod & berry color uniformity. A strong disease resistance package & high yields make Bistro an excellent choice for mid season.

Spartan, adapted to the NW and MW growing areas, has consistently out yielded its competitive varieties in commercial trials. It is similar to our Bistro for maturity, sieve size, & quality.

Destiny is a full season variety that is perhaps the highest yielding variety to come out of our breeding program in years. Tests to date have shown Destiny out yielding everything in its class.

Boogie produces a very uniform dark green berry. With an exceptionally determinant plant habit, it consistently out yields the competition among all main season afila peas in its class.

Bolero will always be the standard of comparison. Next to Puget, no other variety has made an impact on the processing trade like Bolero.

Feisty, as the name implies, is a full season afila with the spunk necessary to perform year after year under adverse conditions.

Ambassador features a stiff, upright stalk. Ambassador is known for its ease during harvest, & combined with a strong disease resistance package, it is an excellent large sieve choice.

Fantasy was appropriately named. You will be living a 'fantasy' if you try this variety.

Genie is one of the more successful full season afilas developed for the processing industry. Genie has proven itself to be a real workhorse and will consistently yield where others fail.

Athena is similar to Parlay for maturity, sieve size, & quality. Athena also offers good yield potential in a conventional vine & satisfies the market demand for high quality fresh market peas.

Concept is a late season afila developed to compete against some very stiff competition, mainly Naches. Test results in the US & Europe show that Crites should be looking over their shoulder.



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Variety information is based on data collected in Moses Lake, WA. Any variety that is new to you should be tried in limited plantings under your conditions before you use it extensively. November 2016 © Brotherton Seed Co., Inc.

Petite dark green wrinkled seeded pea varieties for processing

Variety											Disease Resistant/Tolerant					
	Days to Maturity	Heat Unit	Node to 1st Flower	Vine Height in Inches	Avg Sieve Size	Vine Type	Pods per Node	Pod Shape	Color	Avg Seeds per lb	FW	PM	DM	B	P	S
BSC 905	63	1320	10-13	24	1.8	Normal	Double	Blunt	Dark	4900	2					
Digit	64	1410	12-13	26	2.7	Afila	Multiple	Blunt	Dark	3000	1,2		R	R		
Waverex	69	1520	15	28	2.1	Normal	Double	Blunt	Dark	4100	2					

Market garden peas

Variety											Disease Resistant/Tolerant					
	Days to Maturity	Heat Unit	Node to 1st Flower	Vine Height in Inches	Avg Sieve Size	Vine Type	Pods per Node	Pod Shape	Color	Avg Seeds per lb	FW	PM	DM	B	P	S
Sienna	63	1340	12	25	4.8	Normal	Multiple	Blunt	Dark	1900	1,2	R				
Lakeshore	70	1580	15	28	4.8	Normal	S & D	Pointed	Dark	1610	1,2	R				
Jumbo	71	1600	15	32	6.0	Normal	S & D	Blunt	Dark	1500	1					

Sugar snap peas

Variety											Disease Resistant/Tolerant					
	Days to Maturity	Heat Unit	Node to 1st Flower	Vine Height in Inches	Seed Shape	Vine Type	Pods per Node	Pod Shape	Color	Avg Seeds per lb	FW	PM	DM	B	P	S
Sugar Bro	68	1500	14-15	26	Wrinkled	Normal	Double	Snap	Med Dark	2100	1	R				

Sugar (snow) pod peas

Kennedy	62	1300	12	26	Dimpled	Normal	Double	Flat	Medium	1500	1	R				
Shiraz	70	1570	16	29	Dimpled	Normal	S & D	Flat	Purple	1300		R	T			

BSC 905 is a true petite pois, normal leaf, and high yielding. This variety is a must for that early season petite.

Digit is an afila, intermediate petite that out yields anything in its class. Its excellent disease package with Downy Mildew tolerance will lead the pack.

Waverex is a petite pois, full season pea and is the standard to which all petites are compared - very hardy and small sieve. There is a reason this variety is impossible to replace.

Sienna, adapted to the early season, handles cool soils very well and has shown strong plant vigor in various trials. Sienna is similar to Tonic for maturity, sieve size, & quality.

Jumbo is a full season, fresh market pea. While similar to Rondo in season and sieve size, due to Jumbo's high ovule count it will typically out yield Rondo under most circumstances.

Sugar Bro handles cool soils very well & has shown strong plant vigor in most climates. Similar to Sugar Prince for size, maturity, & quality, Sugar Bro offers good yield potential in a snap pea.

Kennedy is a medium width snow pea. Kennedy handles cool soils very well. The vibrant, shiny pod color puts Kennedy in a class of its own.

Shiraz is truly unique in fresh market snow peas. With its purple color and purple flower, Shiraz stands alone.

Abbreviation Key for Peas (US measurements)

Maturity: Days to 100 tenderometer

Heat Unit: Fahrenheit to 100 tenderometer

Sieve Size: At 100 tenderometer

Color: Of green peas

F1256: Resistance to respective races of Fusarium wilt

PM: Powdery mildew (1=highly resistant, 2=resistant, 3=moderately resistant)

DM: Downy mildew

BLRV: Bean leafroll virus

PEMV: Pea enation mosaic virus

PSbMV: Pea seed-borne mosaic virus



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Bean varieties

Variety						Disease Resistant/Tolerant						
	Maturity	Pod Length in Inches	Sieve Size	Color	Avg Seeds per lb	B C M V	A N T H	R U S T	HB	CT	B S	H E A T
Venture	Early - 51 days	6	20% 3s - 40% 4s - 40% 5s	Med Dark	1960	R						
Arena	Early - 53 days	5	30% 2-3s - 40% 4s - 30% 5s	Med Dark	2000	R			R	MT		V Good
BBL 5630	Mid - 56-57 days	5.5-6	40% 4s - 50% 5s - 10% 6s	Very Dark	2200	R					MT	
Cosmos	Mid to Early	6-7	30% 4s - 70% 5s	Med Dark	1400	R				R	T	T
Kendo	Mid	4.5-5	20% 1s - 30% 2s - 50% 3s	Dark	2600	R			R			T
Tahoe	Mid	5-6	30% 3s - 55% 4s - 15% 5s	Dark	1800	R		R				T
BSC 897	Mid	5	50% 3s - 50% 4s	Very Dark	2400	R		R				
Hudson	Mid to Full	5.5	20% 3s - 40% 4s - 40% 5s	Med Dark	1900	R	R		R	R	R	T
Dinasty	Mid to Full	5.5-6	20% 3s - 60% 4s - 20% 5s	Med Dark	2000	R	R		R		T	
Newton	Full Season - 57 days	5	70% 4s - 30% 5s	Very Dark	1900	R	R		R	MT		Good
Compass	Full Season - 58 days	5.5	20% 1s - 80% < 2s	Dark	5000	R	R		R			
Orient	Full Season - 59 days	4.75	20% 1-2s - 50% 3s - 30% 4s	Dark	2300	R			R	T	MT	

Italian flat romano style beans

Nadia	Mid Early	5.5-5.75	Approx same as Roma II	Med Green	1050	R						T
Dulcina	Mid Early	5.5	Approx same as Roma II	Light	1200	R						

Yellow wax beans

BSC 825	Mid Early	5-6	35% 3s - 40% 4s - 25% 5s	Yellow	2250	R	R					R	Good
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Venture is an early maturing variety. It has strong seed vigor in cool soils and rapid early growth. It is a BBL type with excellent flavor, large sieve size, and good yield.

Arena is an early maturity variety. Arena has an outstanding disease resistance package as well as being very heat tolerant.

Compass is a full season, extra fine bean and is slightly less than 2 sieve. A recent introduction from Holland Select, Compass has one of the best plant structures of anything in its class.

BBL 5630 was developed by Oregon State University. This bush blue lake has replaced the standard, 91G, as the blue lake of choice.

Cosmos is a long-podded, new variety. Cosmos has the slowest seed development in Brotherton's catalog allowing processors and fresh market buyers a long harvest window.

Kendo is a medium maturity, fine podded, new variety. Kendo is quite resistant to common diseases and is heat tolerant.

Tahoe is one of our rust resistant varieties and our answer to replacing Jade in the fresh market trade. Its dark, straight pods make it very desirable for the processing industry as well.

BSC 897 is our other rust resistant variety and replaces Jade in the fresh market trade. Its dark, straight pods make it very desirable for the processing industry as well.

Hudson's shiny pods are attractive, have excellent flavor, and are well adapted for processing. It is similar to Hercules, but this Holland Select variety has out yielded Hercules in MW US trials.

Dinasty is a new, high yielding variety suitable for processing and fresh market. The pods are very straight. They have an attractive green color and are of excellent quality.

Newton, a Holland Select variety, is primarily a 4 sieve bean. Newton has consistently performed well up and down the East Coast, doubling as a processing or fresh market variety.

Orient is one of Brotherton's most successful introductions. This Holland Select variety is the market leader for all the Eastern Canada processing trade.

Nadia is a mid season, bush type, flat, Italian bean. Nadia's improved flavor, less fiber, and fleshier pod make it the logical choice for Romano beans in its season.

Dulcina is a bush type, flat, Italian bean. This high yielding Romano bean with its upright vine habit and concentrated pod set make it well suited for both mechanical and hand harvesting.

BSC 825: We took a lesson from Tenor when our research department developed additional wax beans for our portfolio. With BSC 825, we improved the yield without sacrificing color.

Abbreviation Key for Beans :

Color: Of green beans

BCMV: Bean common mosaic virus

ANTH: Anthracnose

HB: Halo blight

CT: Curly top virus

BBS: Bacterial brown spot

HEAT: Tolerant / Tolerance level

MR: Moderately resistant

MT: Moderately tolerant

V: Very



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