



**LOGAN-ZENNER**

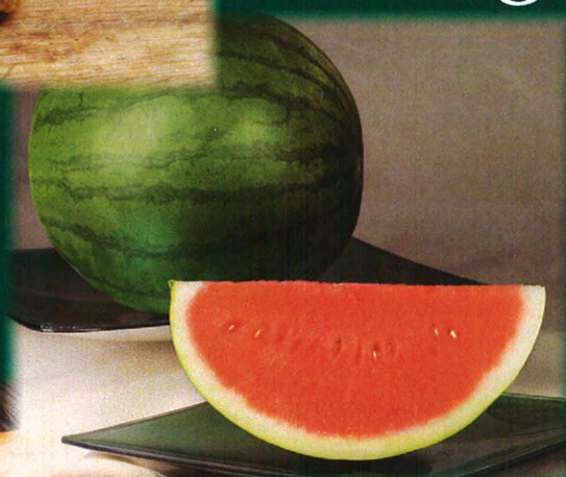
SEEDS, INC.

*2011 Canada Commercial Growers Catalog*

**Experience**



**Knowledge**



**Reliability**



*Serving Commercial Growers Since 1929*

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## COMPANY HISTORY



**Wilbur Logan**

Zenner Brothers Seed Company was founded by Walt and Arnold Zenner on January 1, 1929 in Portland, Oregon. The business initially served retail produce growers and truck gardeners. It was expanded into retail sales once a store was opened in the Hollywood/Rose City district of Portland. Joe Yoder purchased the business in 1979 and continued to operate the business in Portland until 2001.

Wilbur Logan entered the seed business in 1938 when he purchased Reservation Feed Mill founded in 1916 and located in Wapato, Washington. Wilbur was instrumental in helping a number of the minority growers located in the area

during and following the tough times of WWII. In 1956 Wilbur opened a second retail store in Toppenish, Washington and in 1960, due to local demand, he started a vegetable seed sale business. In 1960 Wilbur changed the name to Logan Company and operated the business until 2001 when the merger with Zenner Brothers Seed occurred.

Zenner Brother Seed, Inc. and Logan Seed merged on August 7, 2001 and the name was changed to Logan-Zenner Seeds, Inc. in 2002. In 2003 Logan-Zenner Seeds relocated from Wapato, Washington To Pasco, Washington where we continue to serve you to this day.



**Joe Yoder**

## COMPANY UPDATE

Logan-Zenner Seeds is pleased to announce that we are launching a new web site in January of 2011. The website will improve the information we are able to provide you as well as allow you to place orders online. Also the website marks a new expansion for Logan-Zenner Seeds into the Home Garden market. We look forward to sharing our 85 years of experience in commercial farming with the Home Garden market. We'll keep you informed of updates or information concerning the website and new tools you will have at your disposal.

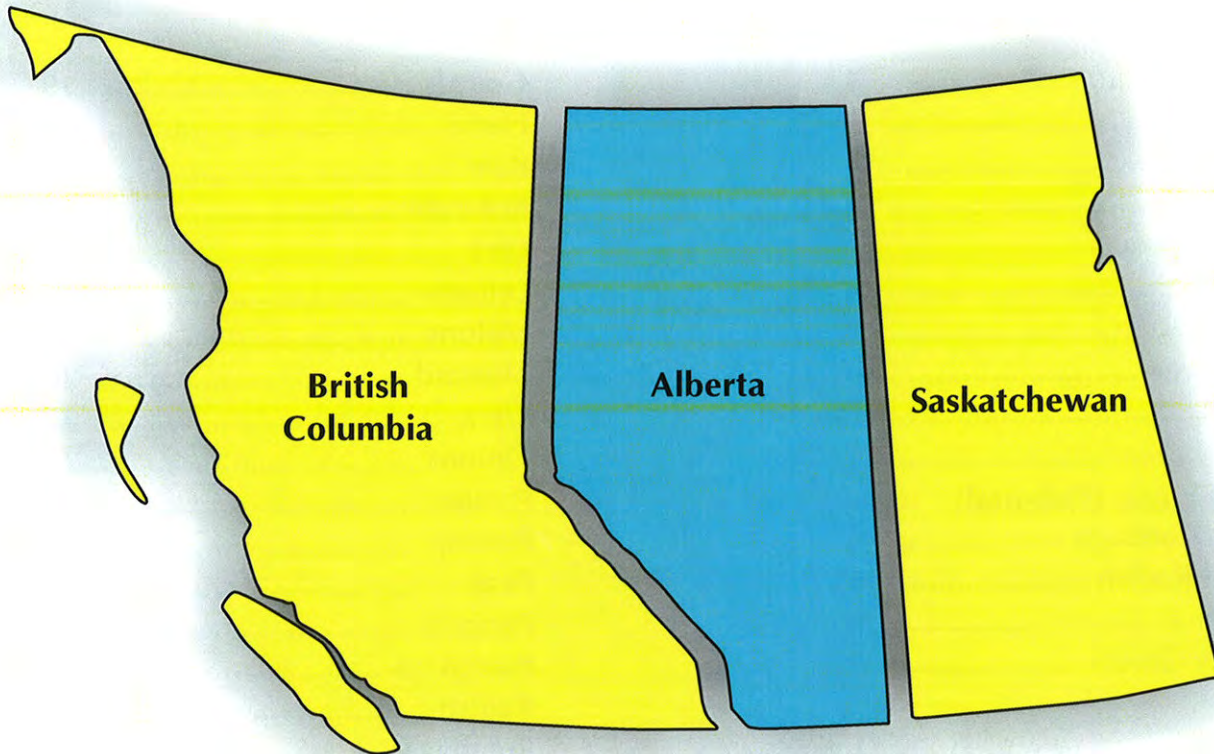
Over the past year Logan-Zenner has seen many changes within the company. As many of you know, Dan Felton, Customer Service Representative, chose to retire in July 2010. All of us here will miss the outstanding work Dan did at Logan-Zenner and wish him the best. He moved back to Redmond, Oregon and is enjoying the company of his children and grandchildren. Tim Logan will assume Dan's responsibilities within the company. We would also like to announce the hiring of Brian Logan. Brian joins our team as a product development representative and will help out in all growing areas of the company. Finally, we would like to announce the promotion of Jason Turner to the position of salesman for onions in Eastern Washington, Eastern Oregon, and Idaho. Jason has been serving in this position for the past year and has done an outstanding job for us and for the growers he calls on. Keep up the good work Jason!

As we start a new growing season Logan-Zenner would like to thank all our customers for their support and loyalty over the past years. We look forward to serving you in the future with the superior customer service and products you expect and deserve from us. If there is any way that you, the customer, think we could better serve you please let your salesman or the main office know.

*Gerry Logan*

PRESIDENT

# TerraLink



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**LOGAN-ZENNER**  

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**TerraLink**



# LOGAN-ZENNER

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### VARIETAL INFORMATION

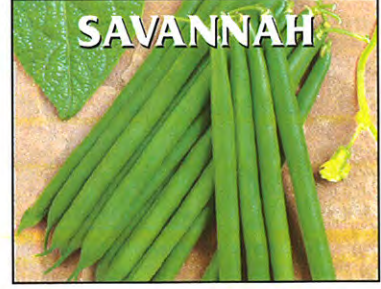
Descriptions contained within this catalog are for comparative purposes. They are intended to be used as a guideline only and can be expected to vary in some degree depending upon growing region, soil, climate and cultural practices. The descriptions are prepared from average trial data collected under favorable growing conditions. Similar or identical results are not implied or guaranteed. The information on relative maturity is given as a guide. Actual maturity may vary considerably with conditions and growing regions.

# ARTICHOKES

Artichoke	
Variety	Features
<b>Green Globe</b>	Perennial plant valued for its tender, edible flowers. Globe shaped fruit is 2- 5" in diameter with thick flavorful hearts. Medium deep- green with light purple tinge.
<b>Emerald</b>	Plant is open and erect; buds are on long stems for easy harvest. Fruits are oval in shape with a moist, nutty taste. Hearts are large and deep. The attractive glossy green color sets it apart from other varieties. Excellent taste and cold tolerant.

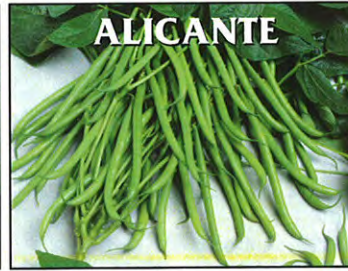
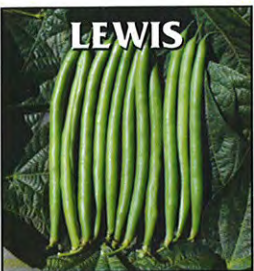
Please See Price List For Additional Varieties Which May Be Available

# BEANS



## Beans - Bush Round Pod - Shipping

Variety	Relative Days	Pod Size	Pod Color	Seed Color	Sieve Size	Disease	Features
<b>Ambra</b>	52	6"	Medium Green	White	4	BCMV(r), CTV(r)	Consistent high yields throughout the northern areas. Excellent field holding. Straight, long, smooth pods.
<b>Bronco</b>	53	5.3-5.5"	Dark Green	White	3-4	BCMV(r)	Straight, slender pod that grows on a clean, upright plant. Good for fresh market and shipping.
<b>Valentino</b>	53	5.5"	Dark Green	White	3	BCMV(r)	Straight pods are well positioned to facilitate mechanical harvest. Sets well in warm conditions. Excellent quality.
<b>Lewis</b> <span style="color:red">NEW</span>	53	5.5"	Medium Dark Green	White	3-4	BCMV(r), Psp(r) BCTV(r), Ua(r)	This early, attractive straight pod has a medium dark green color, upright plant and excellent disease resistance.
<b>Festina</b>	55	6"	Very Dark Green	White	3	BCMV(r), CTV(r)	Festina has exceptional yield potential. The pods are refined and slender. Heat tolerant. Concentrated set.



<b>Savannah</b>	55	5.5"	Dark Green	White	3-4	BCMV(l), A(r), CaIMV(r), CTV(r)	Concentrated set of straight, dark green pods. Beans set high on the plant.
<b>Pike</b>	56	5.5"	Medium Dark Green	White	3	BCMV(r) CTV(r)	This attractive, straight bean grows on an upright plant. Excellent harvest-ability and consistent performer.
<b>Caprice</b> <span style="color:red">NEW</span>	56	5.5"	Medium Dark Green	White	3-5	Cl(r), Psp(r), Pss(r) BCMV(r), Xap(r)	This is a high quality straight, smooth pod with excellent yield and slow seed development on an upright plant.
<b>Medinah</b>	57	5.0"	Green	White	3	BCMV(HR), Pss(ir), BCTV(ir)	A fine- sieved bean with a dark, smooth and straight pod for processing and fresh market. Very upright bush.
<b>Crockett</b>	58	5.25"	Intense Deep Green	White	2-3	R(r), CB(r), HB(r), DBS(r), CTV(r)	Upright plant habit that produces very uniform pods which are round and straight. Excellent disease package.
<b>Sahara</b>	58	5.5"	Dark Green	White	3-4	BCMV(r), BBS(r), HB(r)	Erect habit with pods set well above the soil surface. Good yield potential. Concentrated set.
<b>Alicante</b>	59	5.5-6"	Dark Green	White	3	A(r), BCMV	Excellent yield potential of slender, straight pods. Slow seed development. Very nice quality.
<b>Jade</b>	60	6.5"	Very Dark Green	White	3-4	BCMV(l), R(t), NY15(r), CTV(r)	Very productive with long, straight dark green pods. Upright bush holds pods above soil. Hand harvest.

Please See Price List For Additional Varieties Which May Be Available

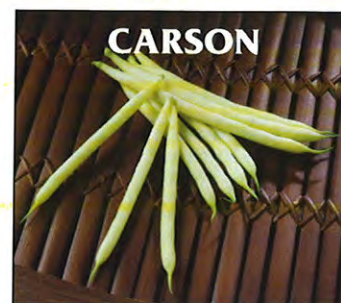
# BEANS (Cont.)

## Beans - Bush Round Pod - Shipping

Variety	Relative Days	Pod Size	Pod Color	Seed Color	Sieve Size	Disease	Features
<b>Fandango</b> (Paulista)	62	5.5-6"	Dark Green	White	3	A(r), BCMV	Erect plant allows for easy harvest of straight, slender beans. Excellent yield potential.

## Beans - Local Market

Variety	Relative Days	Pod Size	Pod Color	Seed Color	Sieve Size	Disease	Features
<b>Provider</b>	50	6"	Medium Green	Brown	4	BCMV(r), PM(r), NY15(r), R(r)	Straight, smooth, round pods on 15 to 17 inch vines. Tender and low fiber.
<b>Blue Lake 274</b>	52	6"	Dark Green	White	4	BCMV(r), NY15(r)	Blue Lake 274 is famous for yield, quality and flavor. Popular variety for roadside stands and local markets.
<b>Royal Burgundy</b>	55	6"	Purple	Buff	4		Eye catching color and great flavor. Purple pods turn green when cooked.



## Beans - Bush Yellow Wax

Variety	Relative Days	Pod Size	Pod Color	Seed Color	Sieve Size	Disease	Features
<b>Rocdor</b>	53	6"	Yellow	Dark Seeded	3-4	BCMV(t), A(t)	Produces high quality, long, slender pods. Early maturity with excellent yield potential. Vigorous plant.
<b>Carson</b>	56	5.5"	Yellow	White	4	BV1, NY15, A, BBS(t)	High yielding with straight, uniform pods about two days earlier than Indy Gold with slightly smaller sieve size.
<b>Goldrush</b>	53	5.5"	Yellow	White	4	BCMV(r), CTV(t)	Goldrush is an attractive yellow wax with a highly concentrated set. Suited for mechanical harvest.

## Beans - Garbanzo

Variety	Relative Days	Pod Length	Color	Seed Color	Features
<b>Sierra</b>	Mid-Late	.75"	Tan	Tan	Plant is sturdy and grows to about 18" high. Outstanding yield potential.

## Beans - Bush Lima

Variety	Relative Days	Pod Length	Color	Seed Color	Features
<b>Fordhook 242</b>	70	4-5x1"	Med Green	White	Popular, widely adapted bush lima. Uniform with excellent quality and yield potential.

## Beans - Bush Fava / Broad

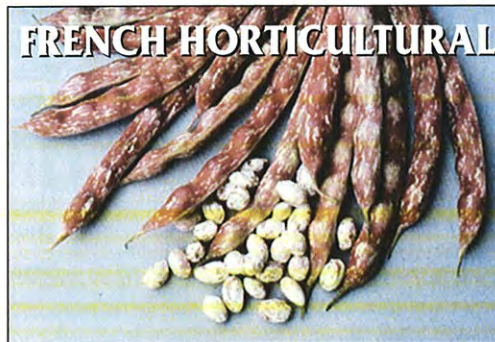
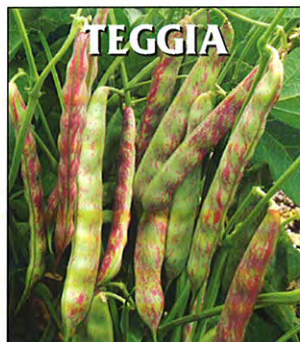
Variety	Relative Days	Pod Length	Color	Seed Color	Features
<b>Broad Windsor</b>	85	7"	Med Green	Green	Upright plant producing 5-7 flat, green beans per pod. This variety does best in cooler weather and should be planted in early Spring. Eat beans green or dried.

Please See Price List For Additional Varieties Which May Be Available

# BEANS (Cont.)

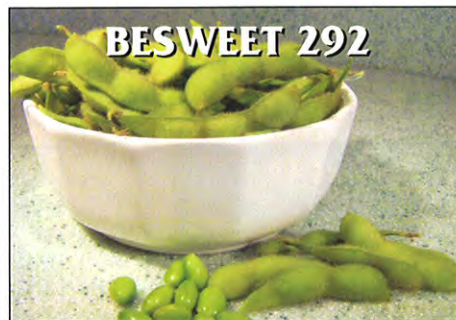
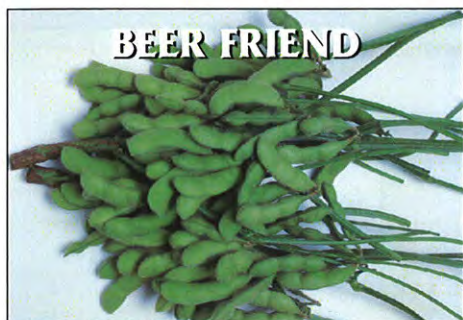
## Beans - Bush Flat Pod

Variety	Relative Days	Pod Size	Pod Color	Seed Color	Sieve Size	Disease	Features
Navarro	54	4"	Light Green	White	NA		High quality Roma bean with flashy pods and reduced fiber. Plant is upright and productive.
Kentucky 125	58	6-7"	Medium Green	White	NA		Bush flat pod shipping type. Low fiber with good holding ability.
Roma II	59	4-5"	Light Green	White	NA	BCMV(l), NY15(r)	Standard Romano bush bean that is very slow to develop seed. Reduced fiber enhances eating quality.



## Beans - Horticultural

Variety	Relative Days	Pod Length	Color	Seed Color	Features
Teggia	68	6"	Red Streaked	Buff Red	A bush type with improved red/buff contrasting colors at full maturity. Strong plants without runners produce 6-7" pods. Good yield potential.
French Horticultural	68	6"	Red Speckled	Red Buff Speckled	Long, red streaked pods are striking in appearance; has a semi-runner plant habit. Use as a green shell bean or in the dry stage.



## Beans - Edible Soybeans (Edamame)

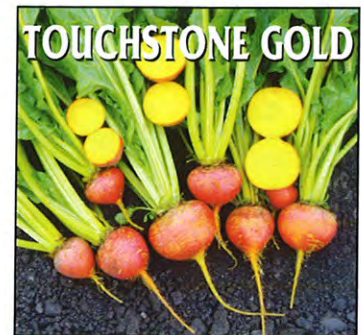
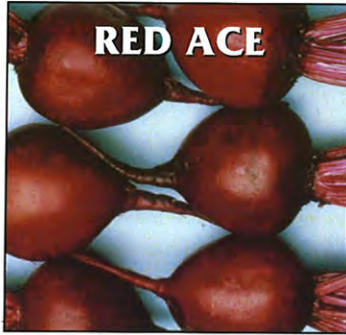
Variety	Relative Days	Pod Length	Color	Seed Color	Features
Beer Friend	100	2-2.5"	White Pubescence	Light Green	Early, large podded and prolific Japanese type. Pods contain mostly 2-3 beans. High quality with good flavor. Plant height is 20".
BeSweet 292	110	2-2.5"	White Pubescence	Yellow	Mostly two seeds per pod. Second early variety with good yields, flavor and size. Plant height is 24".

## Beans - Miscellaneous Pole

Variety	Relative Days	Pod Length	Color	Seed Color	Features
Blue Lake FM1	58	6-7"	Dk Green	White	Vigorous plant producing meaty, smooth beans that are excellent for canning or freezing.
Kentucky Wonder	65	7-9"	Green	Brown	Hardy, prolific and widely adapted. One of the most widely used varieties.

Please See Price List For Additional Varieties Which May Be Available

## BEETS



### Hybrid Beets

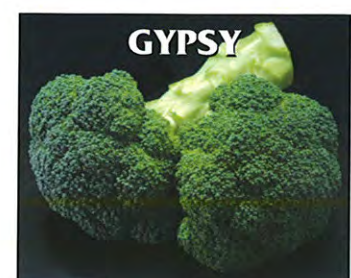
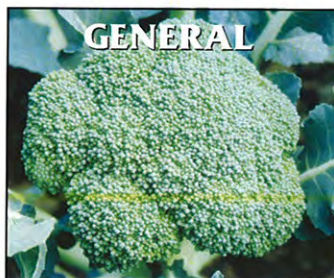
Variety	Relative Days	Root Shape	Root Color	Top Height	Top Color	Disease	Features
Red Ace	53	Smooth Globe	Dark Red	Short 12-13"	Bright Green	DM(t), CLS, DH, BH	Very popular variety. It is noted for its uniform early maturity, heavy yields and consistent interior color.
Merlin	55-60	Round	Dark Red	Tall 15-17"	Glossy Dk Green	DM(t), DH(t), CLS(t)	Extremely uniform shape, refined taproot, high yield, leaf stays green throughout growing season. Very high sugar content. 14-15%
Moneta	60	Round	Deep Red	Short 12-14"	Bright Green		Monogerm beet for precision seeding. Uniform round roots with deep red interior color.

### Open Pollinated Beets

Chioggia	52	Globe	Bi-Color	Medium	Green		A beautiful bi-colored, scarlet red, garden beet with interior rings of reddish-pink and white.
Detroit Supreme	59	Smooth Globe	Dark Red	Medium	Green	DM(t), BH	Detroit Supreme offers a high color, smooth skinned root with refined crown and tap roots. Consistent interior color.
Touchstone Gold	60	Globe	Golden Orange	Medium	Green		Roots are uniform shaped and very smooth with a sweet mellow flavor. Green tops with light golden petioles.
Detroit Golden	65	Globe	Golden	Medium 14-15"	Lt Green		Deep, globe roots are golden in color and will not bleed. The roots have sweet flavor and fine texture.

Please See Price List For Additional Varieties Which May Be Available

## BROCCOLI

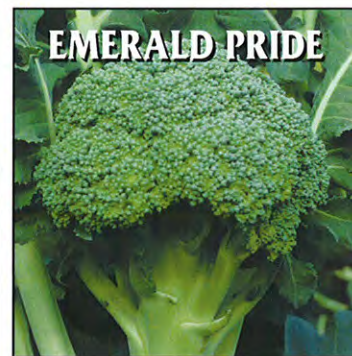
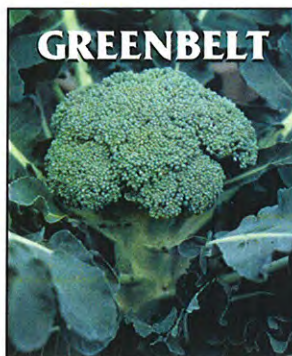
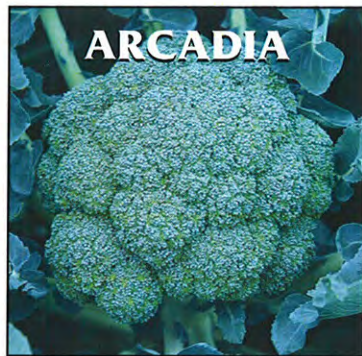


### Hybrid Broccoli

Variety	Relative Days	Plant Height	Head Type	Bead Size	Color	Disease	Features
General	75	Medium 25"	Tight Dome	Fine	Blue-Green	DM(t)	An early variety with high quality crowns and finely beaded heads. Uniform, well shaped dome.
Green Magic	90	Medium	Semi Domed	Small	Blue-Green	DM(t)	Good uniformity and holding ability. A widely adaptable variety used for both fresh market and processing.
Gypsy	90	Medium	Smooth Domed	Medium-Small	Medium Green	DM(t)	Performs well under moderately warm conditions. Excellent smooth, dome shaped heads.

Please See Price List For Additional Varieties Which May Be Available

## BROCCOLI (Cont.)



### Hybrid Broccoli

Variety	Relative Days	Plant Height	Head Type	Bead Size	Color	Disease	Features
<b>Everest</b>	80-105	Medium 22"	Medium Dome	Small	Dark Green		Early maturing variety with good weight and concentrated harvest. Maturity lengthens with cool weather.
<b>Patron</b>	94	Medium	High Dome	Small	Dark Blue-Green	DM(t)	Dark blue- green with improved uniformity, shape and small bead size. Ideal for bunching and crown cut.
<b>Arcadia</b>	95	Tall	High Dome	Small	Medium Green		Widely adapted hybrid. Good resistance to hollow stem. Suited for fresh market or processing.
<b>Greenbelt</b>	95	Small 20"	Medium Dome	Fine	Medium Green	DM(t)	Versatile, dual purpose variety for processing and fresh market. Excellent quality, fine bead.
<b>Emerald Pride</b>	97	Medium	Semi- Dome	Fine	Dark Green	DM(t)	Summer type for bunching and processing with medium branching. Good heat tolerance.
<b>Marathon</b> <b>NEW</b>	97	Medium- Tall	Dome	Small	Blue- Green		A highly adaptable variety with a high dome, small bead and heavy head. Uniform & sizes well in cold and overwinter production.

### Broccoli - Raab

Variety	Days	Color	Features
<b>Sorrento</b>	40	Blue-Green	An early maturing, high quality raab with medium to large florets and uniform flowering. Tall and erect. Harvest early Fall and Spring.
<b>Zamboni</b>	60	Blue-Green	A slow maturing high quality raab with uniform flowering. Tall with blue- green leaf color. Harvest early Spring to Summer.

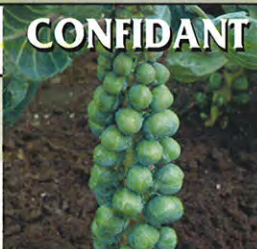


Please See Price List For Additional Varieties Which May Be Available

## BRUSSELS SPROUTS

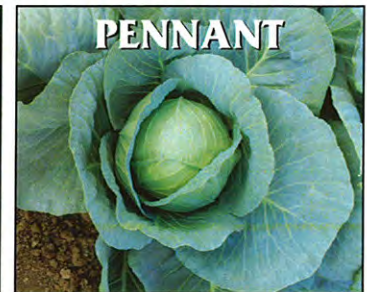
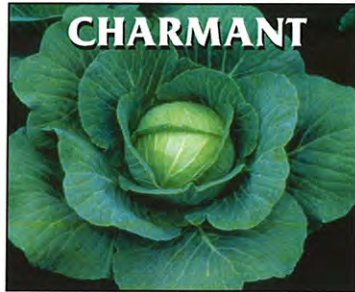
### Hybrid Brussels Sprouts

Variety	Relative Days (TP)	Plant Habit	Sprout Type	Disease	Features
<b>Gustus</b> <b>NEW</b>	Early	Medium	Round Green		Early maturing brussels sprout that has good uniformity with high yield and quality for an early sprout.
<b>Confidant</b>	Early	Medium Large	Round Deep Green		Very early maturing with heavy sets of firm, well shaped, round, high quality sprouts for fresh market.
<b>Capitola</b> <b>NEW</b>	Early-Mid	Medium	Round Green		Very uniform, early maturing variety that can be hand or machine harvested. Highly adaptable and well suite for fresh market or processing.
<b>Cobus</b> <b>NEW</b>	Early-Mid	Medium Tall	Round Green		A great mid- to- early maturing variety with good yield potential and suitable for harvesting throughout the mid season.
<b>Franklin</b> <b>NEW</b>	100	Tall	Round Green		One of the earliest, high- quality varieties available. Heavy yields of uniform, firm sprouts.
<b>Cumulus</b> <b>NEW</b>	Late	Medium	Round Green		Great late season sprout. Has smooth, attractive, dark green uniform sprouts on a strong plant.
<b>Genius</b>	Late	Medium	Round Dark Green		Good late maturing variety with excellent quality and a dark green color.



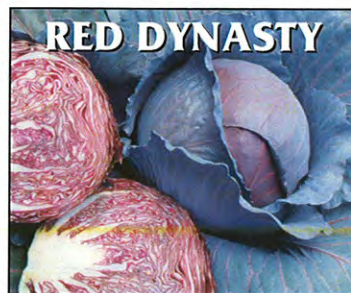
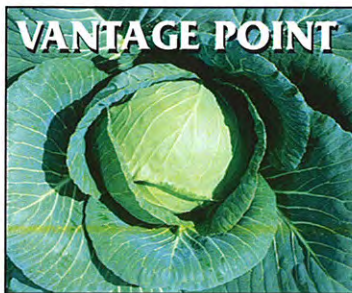
Please See Price List For Additional Varieties Which May Be Available

# CABBAGE



## Hybrid Fresh Market Cabbage - Green

Variety	Relative Days	Color Size	Head Type	Disease	Features
Farao	62	Medium Green 3-3.5 lbs	Round	TB(t), T(t)	Sweet, dense head; short core. Good field holding. Reliable variety for early fresh market.
Fast Vantage	65	Medium Green 2.75 lbs	Round		Uniform variety that performs well in early, cool season slot.
Quick Start	65	Dark Green 2.8 lbs	Round	FY(t)	Early maturing, solid heads with a short core. Holds well in the field.
Artost	67	Blue-Green 3-5 lbs	Round	FY(r), TB(t)	Attractive, uniform heads with good field holding ability.
Charmant	72	Blue-Green 2.5 lbs	Round	TB(r), FY(r), BR(t)	Blue-green color and solid round, uniform heads. Tight internal structure with a short core. Widely adapted.
Ultima Vantage	80	<b>NEW</b> Blue Green 3.5 lbs	Round	TB(t), FY(r)	Mid-season cabbage produces a vigorous plant with a large blue-green head with good weight.
Blue Vantage	82	Blue-Green 3 lbs	Round	TB(r), FY(r), BS(t)	Mid-season maturity with large, dense heads and a short core. Ideal for fresh and coleslaw market. Widely adapted.
Gideon	83	Dark Green 4-5 lbs	Round	TB(r), FY(r)	Dense heads with a short core and good wrapper leaves. Holds well in the field.
Pennant	88	Blue-Green	Round	FY(r)	A fresh market cabbage on a medium frame with excellent interior quality and flavor.
Vantage Point	95	Blue-Green 5.5 lbs	Round	TB(t), FY(r)1, BS(t), BR(t)	Mid-late season maturity. Large dense heads and a well filled interior makes this variety suited for long distance shipping.



## Hybrid Fresh Market Cabbage - Red

Variety	Relative Days	Color Size	Head Type	Disease	Features
Red Dynasty	70	Deep Red 3-4 lbs	Round To Oval	TB(t), BR(t)	Good uniformity of size and shape. Intermediate black rot resistance. Holds well. Good internal color.
Primero	72	Deep Red 2-3 lbs	Round	BL(t), TB(t)	Good early northern variety with smooth, firm, medium size heads. Suited to close spacing; holds well.
Ranchero	74	Dark Red 2-4 lbs	Round	BL(t), TB(t), FY(r)	Round, dense and leafy. Holds well in the field and can be planted in the Fall slot.
Ruby Perfection	80	Deep Red 3-4 lbs	Round		Large framed, vigorous, uniform plant that holds well without bursting.

Please See Price List For Additional Varieties Which May Be Available

# CABBAGE (Cont.)



## Hybrid Processing Cabbage

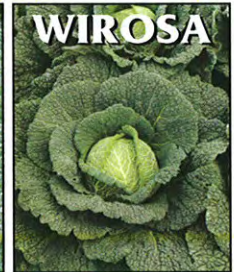
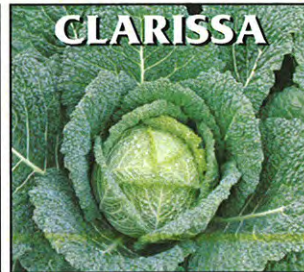
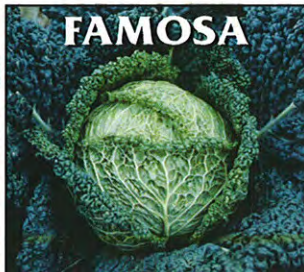
Variety	Relative Days	Color Size	Head Type	Disease	Features
<b>Krautman</b>	78	Green Large	Round	TB(t)	Medium to large frame produces round, well wrapped, high density heads. Suitable for mechanical harvest. Medium dry matter.
<b>Cecile</b>	80	Blue-Green Large	Round	FY(r), TB(t)	A vigorous, versatile hybrid with very short core and high dry matter. Superior holding ability.
<b>Megaton</b>	85	Green Very Large	Round	FY(r), TB(t)	A very large framed, short cored variety that maximizes yield. A mid- late season type capable of holding over extended periods.
<b>Kaitlin</b>	94	Green Very Large	Round	FY(r), TB(t)	Vigorous, dense heads with short cores. Excellent field holding for kraut/slaw. Cuts well mechanically.

Please See Price List For Additional Varieties Which May Be Available

## Hybrid Storage Cabbage

Variety	Relative Days	Color Size	Head Type	Disease	Features
<b>Buscaro</b>	105	Dark Red	Round to Oval		Fresh market cabbage with intense, red internal color. Short term storage. Heads are set high on a strong stem with waxy leaves that drain well.
<b>Bartolo</b>	115	Dark Green 4-8 lbs	Round	BS(t), TB(t)	A proven high yielder developed for long term storage and processing. Dense structure with short core. Very good holding ability.
<b>Zerlina</b>	125	Green 5-8 lbs	Round	BR(t), Th(t)	A sweet flavor, easy trimming, long term storage variety. Late maturing, productive when planted early.

Please See Price List For Additional Varieties Which May Be Available

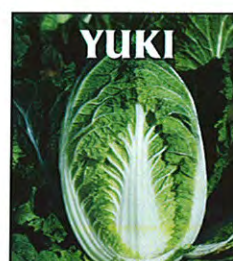
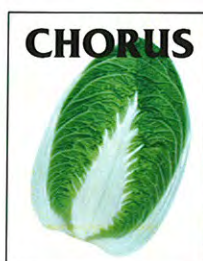


## Hybrid Savoy Cabbage

Variety	Relative Days	Color Size	Head Type	Disease	Features
<b>Famosa</b>	70	Deep Green	Round	TB(t)	Vigorous, early maturing variety with well wrapped dense heads. Attractive dark green heads are very uniform.
<b>Savoy Ace</b>	80	Deep Green	Semi-Globe		AAS winner. A medium large, finely savoyed variety with excellent flavor. This variety has good field holding ability and wide adaptability.
<b>Clarissa</b>	83	Deep Green	Round	FY(r), TB(t)	A very dense, compact head with excellent internal qualities. Dark green leaves are finely savoyed.
<b>Wirosa</b>	110	Deep Green	Round	TB(t)	Frost tolerant solid heads ideal for late fresh market. Stores up to six months.

Please See Price List For Additional Varieties Which May Be Available

## CABBAGE (Cont.)



### Hybrid Chinese Cabbage

Variety	Relative Days (TP)	Color Size	Head Shape	Disease	Features
<b>Blues</b> (Napa)	57	Medium Green 4-4.5 lbs	Barrel Shaped	SR(t), DM(t)	Spring through early Winter variety that is extra slow to bolt. Very vigorous variety. Well adapted to the Northwest.
<b>Optiko</b> (Napa)	60	Light Green 4-5 lbs	Barrel Shaped	FY(r), TB(t)	Vigorous with good bolt tolerance. Tolerant to tip burn.
<b>Chorus</b> (Napa)	65	Bright Green 5 lbs	Barrel Shaped	CR(t), DM(t), SR(t)	Fall to early Winter variety. Avoid dry conditions at heading stage. Semi-upright plants.
<b>Yuki</b> (Napa)	67	Bright Green 4-5 lbs	Barrel Shaped	TB(t), CR(t)	Produces uniform heads approximately 4-5 lbs. Yuki is a China Express type hybrid with good uniformity, size and tolerance to pepper spot.
<b>China Gold</b>	75	Bright Green 4-5 lbs		TB(t), CR(t)	A new Sakata variety with excellent internal and external color. China Gold has a compact frame and is slow to bolt.

Please See Price List For Additional Varieties Which May Be Available

## PAK CHOI



### Hybrid Pak Choi

Variety	Relative Days	Plant Habit	Head Characteristics	Features
<b>Feng Qing Choi</b>	35-40	Erect, Compact	Green petiole, Tight vase-like shape	Feng Qing Choi is slower bolting than Mei Qing Choi with good plant size and a dark leaf color. Good uniformity. Very good bolt resistance.
<b>Mei Qing Choi</b>	35-40	Erect, Compact	Green petiole, Tight vase-like shape	First hybrid, green stem dwarf Shanghai Pak Choi type with good heat tolerance and a dark leaf color. Good uniformity. Good bolt resistance.
<b>Joi Choi</b>	50-55	Semi-Erect	Bright green leaves	First hybrid that revolutionized the production of Pak Choi in North America. Slow bolting, with excellent uniformity. Widely adaptable. White petioles can get large.

Please See Price List For Additional Varieties Which May Be Available

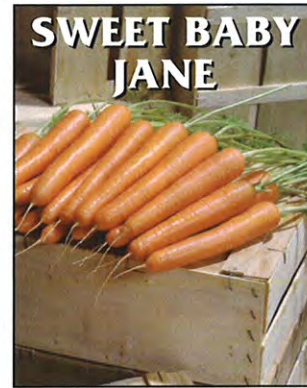
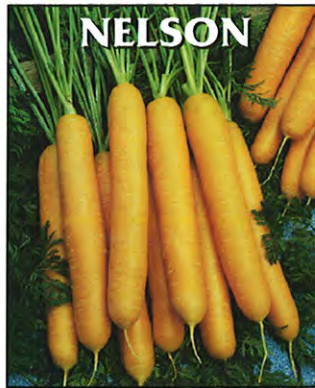
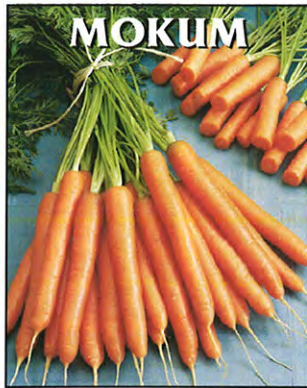
### Specialty Greens

Variety	Maturity	Features
<b>Early Mizuna</b>	35-40	Narrow, serrated, green leaves. Does best in cooler climates. Excellent for salad mix.
<b>Komatsuna</b>	40-45	Typical upright plant habit. Deep green leaves. All season type. Suitable for bunching.
<b>Tatsoi</b>	40-45	Spoon shaped, thick, dark green leaves. Suitable for bunching. Excellent for salads.



Please See Price List For Additional Varieties Which May Be Available

# CARROTS

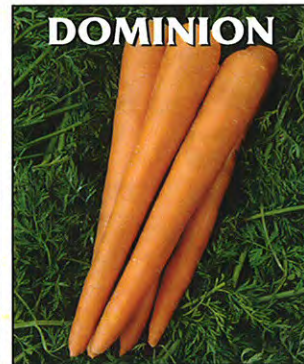
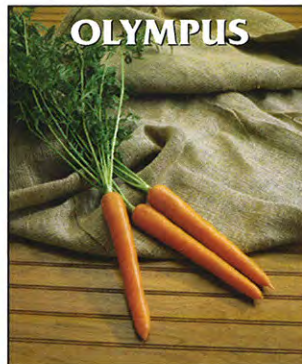


## Hybrid Carrots - Fresh Market Nantes Types

Variety	Relative Days	Shape	Root Size	Tops	Use	Features
<b>Mokum</b>	56	Cylindrical Slight Taper	6x.75"	9"	Bunching, Finger Carrot	Very high colored. Almost coreless. A sweet, early bunching carrot with early color development. Excellent local market.
<b>Nelson</b>	Early-Mid Season	Cylindrical Blunt	7x1.25"	10"	Bunching	A smooth, slender, blunt rooted nantes type with excellent color, flavor and uniformity. Good bunching carrot.
<b>Sweet Baby Jane</b>	Mid Season	Cylindrical Blunt	6-8"	10"	Bunching	A very uniform, smooth nantes carrot with superb flavor and color.

## Hybrid Carrots - Cut-n-Peel Types

Variety	Relative Days	Shape	Root Size	Tops	Use	Features
<b>Tastypeel</b>	Mid-Season	Very Cylindrical	14x.75"	Strong	Cut-n-Peel	Strong tops, non-bolting. Uniform fill from tip to crown. Flavor is sweet with firm textures. Uniform color with no visible core.
<b>Sweet Bites</b>	Main Season	Long Cylindrical	9-11x.75"	Strong	Cut-n-Peel Slicer	Uniform length and round shoulder with excellent tip fill. Sweet Bites has also performed well as a slicing carrot. Sweet flavor.

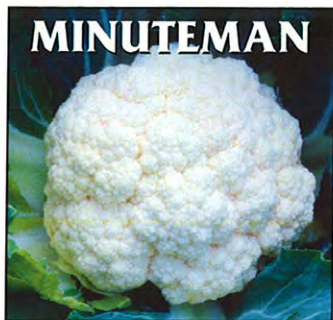


## Hybrid Carrots - Cello / Jumbo Types

Variety	Relative Days	Shape	Root Size	Tops	Use	Features
<b>Envy</b>	Early Season	Cylindrical Tapered	8-10"	Strong	Cello Jumbo	This hybrid is a true Jumbo type with uniform, smooth roots. Performs best at a plant population of approximately 475M/acre.
<b>Dominion</b>	Early-Mid Season	Semi Blunt	10-12"	Strong	Jumbo	Dominion's strong top and vigorous roots allow for wide adaptability in muck or mineral soil types.
<b>Enterprise</b>	Main Season	Cylindrical Blunt	10-12"	Very Strong	Cello Slicer	Widely adaptable. Very smooth with deep orange color and great taste. Tolerance to Alternaria Leaf Blight.
<b>Olympus</b> <span style="color:red; font-weight:bold;">NEW</span>	120	Tapered	7-8"	15-17"	Cello, Jumbo & Bunching	Uniform shape, great color and a smooth finish. Taste is outstanding with a very crisp texture. Yield potential is high with this classy carrot.

Please See Price List For Additional Varieties Which May Be Available

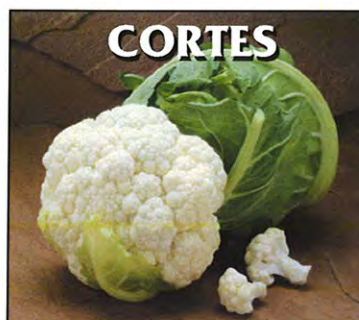
# CAULIFLOWER



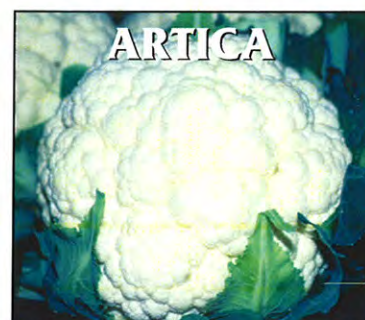
**MINUTEMAN**



**SYMPHONY**



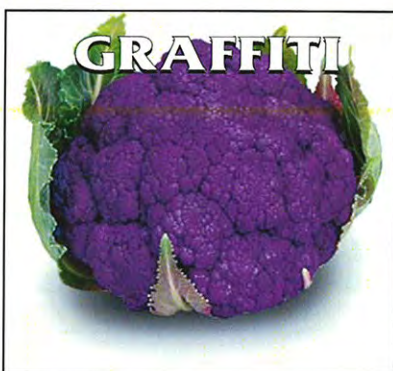
**CORTES**



**ARTICA**

## Hybrid Cauliflower

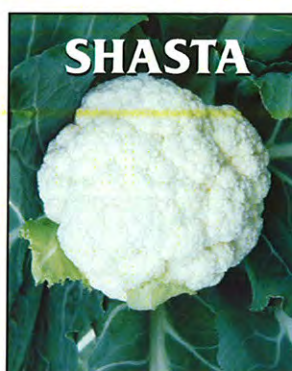
Variety	Relative Days (TP)	Head Shape	Plant Type	Self Wrapping	Features
<b>Minuteman</b>	65-70	Deep Dome	Medium Vigorous	Good	Minuteman produces heads that are a brilliant white with good weight and size. For early Summer and Fall harvest. Widely adapted.
<b>Symphony</b>	71	Semi-Dome	Vigorous Erect	Excellent	An excellent hybrid variety for fresh market and processing. Tolerates warmer periods without developing fuzziness.
<b>Cortes</b>	75	Semi-Dome Smooth	Vigorous Erect	Excellent	A mid-season hybrid that has shown good tolerance to fuzziness and internal splitting during Summer production. Excellent quality.



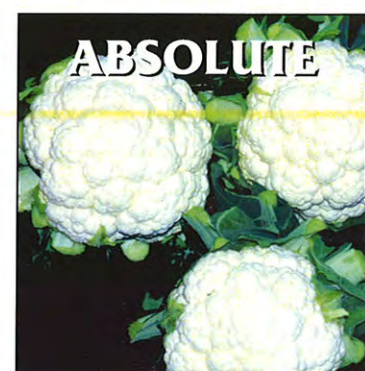
**GRAFFITI**



**VERDI**




**SHASTA**



**ABSOLUTE**

<b>Artica</b>	75	Dense Dome	Medium Large	Good	Uniform maturity, bright white head color with heavy, dense curds. Good head protection.
<b>Graffiti (Specialty)</b>	75-80	Dense Dome	Vigorous Erect	Good	Unique <b>deep purple</b> curd color. Excellent for salad bars. Curd changes color when boiled. Antioxidant power 7-10 times greater than normal cauliflower.
<b>Verdi (Specialty)</b>		Dome	Erect		A unique <b>green</b> , smooth curd cauliflower with good uniformity. Excellent quality and density with higher yields than OP types.
<b>Shasta</b>	85	Semi-Dome	Medium Upright	Excellent	A main season hybrid with an upright plant and good inner wrap to protect the head. Heads have excellent weight.
<b>Ravella</b>	85-90	Dome	Medium	Good	Cool season harvest period. Tolerates late frosts moderately well. Excellent head color, large head size and uniformity with good weight.
<b>Absolute</b>	85-90	Dense Dome	Medium	Excellent	A good choice for main season fresh market. Heads are dense with very white curd and excellent uniformity. Excellent wrapper leaves.

## Hybrid Romanesco

Variety	Maturity	Head Size	
 <b>VERONICA</b>	<b>Veronica</b>	105	Dense Dome
			Distinct cone shaped florets that measure 6-7" wide and 5-6" high. Large frame with good wraps.

Please See Price List For Additional Varieties Which May Be Available

# CAULIFLOWER (Cont.)

## Hybrid Cauliflower - Fall / Overwinter Types

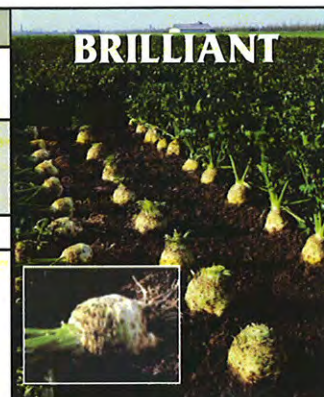
Variety	Relative Days (TP)	Head Shape	Plant Type	Self Wrapping	Features
Talbot	125-130	Dome	Large	Good	Mid- July planting for November / early December harvest.
Belot	135-140	Dome	Large	Good	Mid- July planting for late December / early January harvest.
Madiot	205	Dome	Large	Good	Late August planting for mid- March harvest.
Amadeus	215	Dome	Large	Good	Late August planting for early April harvest.
Picasso	215-220	Dome	Large	Good	Late August planting for early April harvest.
Cameron	235-240	Dome	Large	Good	Late August planting for early May harvest.

Please See Price List For Additional Varieties Which May Be Available

# CELERIAC

## Hybrid Celeriac

Variety	Relative Days	Color	Features
Brilliant	110	White	Early, high yielding variety with smooth roots. Beautiful white interior without discoloration. Rich flavor. Good for fresh market, processing and storage.



Please See Price List For Additional Varieties Which May Be Available

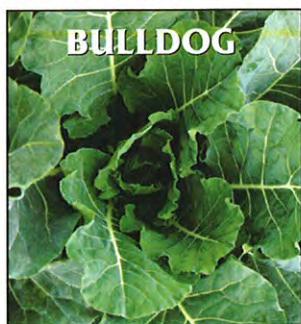
# CELERY

## Celery

Variety	Relative Days (TP)	Color	Plant Height	Stock Length	Features
Conquistador	115	Dark Green	30"	12"	Dark green color and good tolerance to seed stalk bolting. Conquistador has slight tolerance to Fusarium yellows disease. Smooth.
Tall Utah 52-70 R	120	Medium Green	25"	10-12"	Resistant to brown check and tolerant to Western Celery Mosaic. Tall, sturdy plant; will bolt in cold weather.

Please See Price List For Additional Varieties Which May Be Available

# COLLARDS



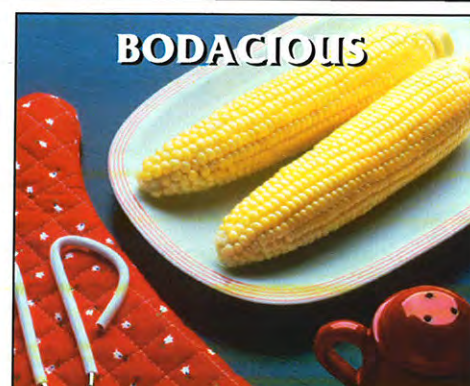
## Collards

Variety	Relative Days	Plant Type	Leaf Color	Leaf Type	Features
Hi Crop <b>NEW</b>	65-70	Medium Size	Deep Green	Broad	A very versatile and vigorous hybrid, tolerating both heat and cold. Easy to grow, it is semi-savoyed, producing very uniform, broad, deep green leaves.
Bulldog F1	71	Tall Erect	Deep Green	Slightly Wavy Broad	An extremely uniform, early maturing hybrid that has a more erect leaf than Top Bunch. Excellent uniformity and yield for fresh market and processing.
Top Bunch <b>NEW</b>	71	Tall Semi-Erect	Blue-Green	Slightly Wavy Broad	Early maturing hybrid with wavy, lightly savoyed leaves that regrow quickly after harvest. Suitable for fresh market bunching and machine harvest for processing.
Vates	78	Upright	Green	Large Smooth	Upright, productive and long standing. Cold hardy and slow to bolt.

Please See Price List For Additional Varieties Which May Be Available

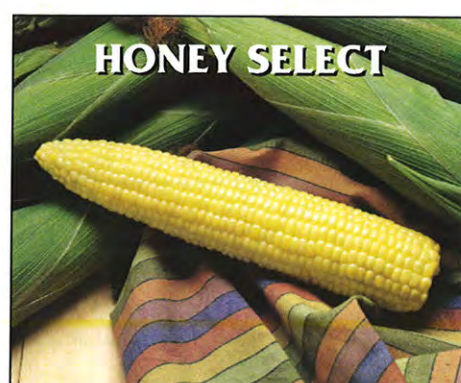
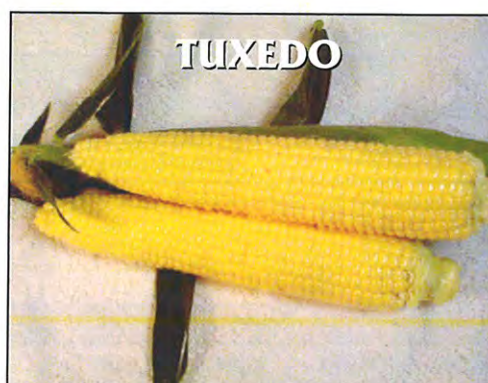
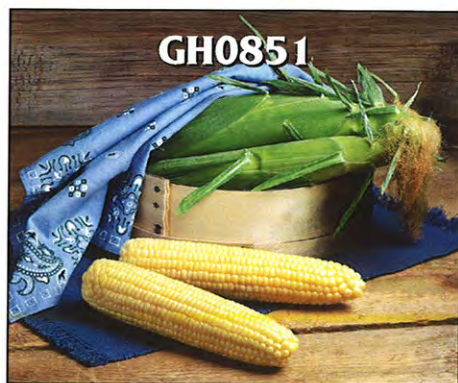
## SWEET CORN

**TripleSweet™** and **Synergistic** varieties are a new class of sweet corn that have 75% sugary enhanced (se) kernels and 25% supersweet kernels. The result of this genetic combination is extended shelf life over traditional se varieties and exceptional eating quality. These varieties are for local markets and roadside stands. They are widely adapted with excellent results in Western U.S. and Canada. Isolation requirements are the same as those required for sugar enhanced varieties. Yellow, bicolor and white varieties must also be isolated to avoid cross pollination.



### Yellow Sugar Enhanced Hybrids

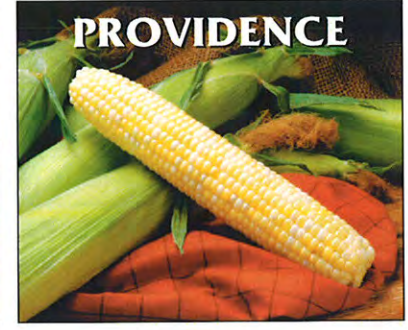
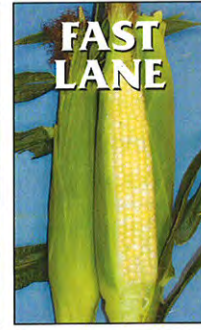
Variety	Relative Days	Plant Height	Ear Height	Ear Size	Row Count	Disease	Features
<b>Spring Treat</b> Homozygous	68	5 ft	12"	7.5"	12		Two days earlier than Sugar Buns with the same great taste and tiller free clean plant. Nice package.
<b>Welcome TSW</b> Homozygous	72	6 ft	15"	8"	16-18		Second early with a vigorous plant, nice ears and great package. Very good eating quality.
<b>Kandy King</b> Homozygous	73	5.5 ft	24"	8.5x1.8"	16-18	SW(t)	A mid-early variety renowned for its outstanding eating quality. Good cold soil vigor.



Variety	Relative Days	Plant Height	Ear Height	Ear Size	Row Count	Disease	Features
<b>Bodacious</b> Homozygous	75	7.25 ft	20"	8x1.8"	16	R(t), SW(t)	Excellent eating quality and holding ability. Widely adapted with consistent performance.
<b>Tuxedo</b> Homozygous	78	6 ft	14"	8.5"	16	SW(t), R(t), CS(t)	Excellent ear appearance and eating quality. Good stress tolerance.
<b>Honey Select</b> TripleSweet™	79	6.5-7 ft	28"	8.5x2"	18-20		AAS Winner! Honey Select is noted for producing large refined ears. Superb eating quality.
<b>GH 0851</b> TripleSweet™ (Attribute) <b>NEW</b>	80	Medium		8"	16	(HR) Bm: Ps(Rp1-d) (IR): Pp	Yellow Triplesweet™ with Attribute insect protection for main season market. Great eating quality. <b>Requires a signed stewardship agreement.</b>

Please See Price List For Additional Varieties Which May Be Available

# SWEET CORN (Cont.)



## Bi-Color Sugar Enhanced Hybrids

Variety	Relative Days	Plant Height	Ear Height	Ear Size	Row Count	Disease	Features
<b>Fastlane</b> Homozygous	<b>NEW</b> 67	56"	12"	7"	14-16		New early Homozygous SE bi-color. Attractive ear, good cold soil vigor and size for season.
<b>Bon Appetit TSW™</b> Homozygous	71	6.5 ft	17"	7.75"	16-18		Large blunt ears on a nice plant. Excellent eating quality and husk package.
<b>Reflection</b> Sweet Generation	72	6.25 ft	25"	7.25"	16-18	NCLB(r), R(r), CS(r)	Exceptional eating quality on an attractive, refined ear. Excellent husk package.
<b>Temptation</b> Heterozygous	72	6 ft	16"	7.5"	16-18		Good cold soil vigor, great husk cover and tip fill. High yield potential.
<b>Nantasket</b> Synergistic	73	6.25 ft	14"	8x1.9"	16-18		Widely adapted, sturdy clean plant with good vigor. A synergistic variety with excellent eating quality.
<b>Synergy</b> Synergistic	<b>NEW</b> 76	Tall		7.5-8"	16-18	R(r)	Excellent eating quality. A good husk cover and good tip fill. Resistance to rust.
<b>Serendipity</b> TripleSweet™	82	6.5-7 ft	28"	8x1.85"	16-18		Serendipity is a bi-color with superb eating characteristics for the local market.
<b>Providence</b> TripleSweet™	82	6.5 ft	26"	8.5x1.85"	14-18	R(Rp1-d)	Large, slightly tapered ears with superb eating quality. Suited for roadside stands and local markets.
<b>BC 0805</b> TripleSweet™ (Attribute)	82	6.5 ft	26"	8.5x1.95"	14-16	R(Rp1-d)	<b>Insect - Protected Variety!</b> The first Attribute insect protected TripleSweet™ variety. Outstanding eating quality. <b>Requires a signed stewardship agreement.</b>



## White Sugar Enhanced Hybrids

Variety	Relative Days	Plant Height	Ear Height	Ear Size	Row Count	Disease	Features
<b>Whiteout</b> Homozygous	73	6.5 ft	16"	8"	16		Very good eating quality. Sturdy, vigorous plant, classy package with great ear conformation. Excellent flavor.
<b>Misquamicut</b> Synergistic	78	6.5 ft	16"	8.5x1.8"	16-18		A new synergistic variety producing classy, large ears with excellent color contrast. Eating quality is superb.
<b>WH 0809</b> TripleSweet™ (Attribute)	80	6.5 ft	22-26"	8.5x1.95"	16	SCLB(r), R(r)	<b>Insect - Protected Variety!</b> Similar to Avalon with better field holding. Exceptional eating quality. <b>Requires a signed stewardship agreement.</b>
<b>Avalon</b> TripleSweet™	82	6-7 ft	20"	8.2x1.75"	18		New TripleSweet™ from Rogers. An excellent variety for local markets where eating quality is crucial.

Please See Price List For Additional Varieties Which May Be Available

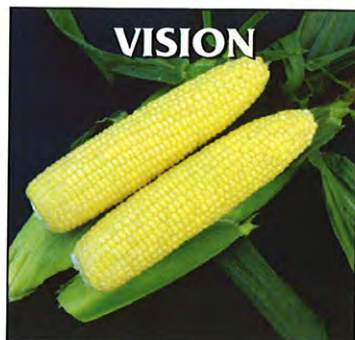
## SWEET CORN (Cont.)

**Augmented** is a term used to describe super sweet varieties which have se traits incorporated into the genetics to enhance eating quality. These varieties are very tender and possess exceptional eating qualities. They are quickly becoming very popular with roadside stands and local direct marketers. Isolation requirements are the same as those required for super sweet varieties. In addition, yellow, bi-color and white varieties must be isolated from each other to prevent cross pollination.



### Yellow Super Sweet Hybrids

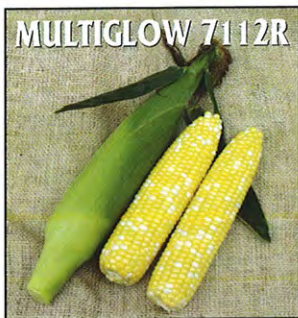
Variety	Relative Days	Plant Height	Ear Height	Ear Size	Row Count	Disease	Features
Xtra-Tender 170A Augmented	70	5.5 ft	18"	8x1.9"	14-16		Good emergence and seedling vigor. Eating quality is very tender and sweet. Attractive bright glossy kernels.
ACX 6800R	71	6 ft	16"	7.5"	12-14	SW, NCLB, R(Rp1-d)	Strong plant with an excellent ear package and good tip fill. Refined ear for first early harvest. Good emergence.
Sheba R	72	6 ft	14"	8.5x1.8"	14-18		Very long slender ear. Good package. Tip fill can be a problem.
Xtra-Tender 173A Augmented	73	6 ft	20"	8x1.9"	16-18		Excellent emergence and seedling vigor. Eating quality is excellent. Dark green husk with good protection.



Vision Augmented	75	6 ft	20"	8x1.9"	16-18		Eating quality of this variety is exceptional. Large ears with good tip fill. Good emergence and early vigor.
GSS 0966 (Attribute)	78	6.5 ft	30"	8x1.8"	16-18	NCLB(t), SW(t)	<b>Insect-Protected Variety!</b> Attractive, high quality ears with good husk cover and tip fill. Widely adapted. <b>Requires signed stewardship agreement.</b>
Krispy King	78	6.5-7 ft	26"	8x1.9"	18-20		Nice package with good eating quality. Good tip fill and holding ability. Widely adapted. A real workhorse.
Accession MultiSweet	78	6.5 ft	26"	8x1.9"	16-18	NCLB	Large ear with excellent tip fill and husk cover. This variety has performed very well throughout the Northwest.
Super Sweet Jubilee	83	6.5-7 ft	28"	8.5x1.8"	16-20		Exceptional qualities. Refined sweet flavor, smooth texture and tender pericarp.

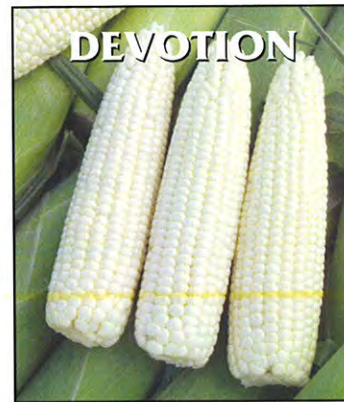
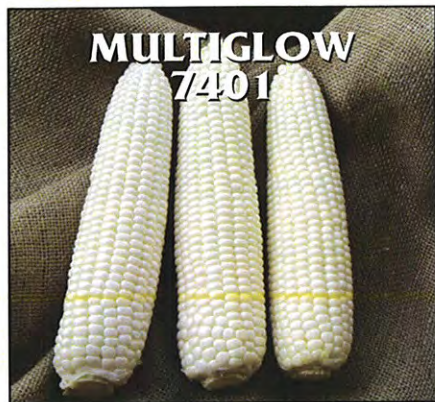
Please See Price List For Additional Varieties Which May Be Available

# SWEET CORN (Cont.)



## Bi-Color Super Sweet Hybrids

Variety	Relative Days	Plant Height	Ear Height	Ear Size	Row Count	Disease	Features
Xtra-Tender 270A Augmented	70	6 ft	30"	8"	14-16		Early with vigorous growth habits. Large ears, refined kernels and outstanding eating quality. Good first early.
MultiGlow 7112R (ACX7904) <b>NEW</b>	73	Tall	20-25"	8"	16-18	(HR): Rp1G, Rp1l (IR): NCLB, SCLB	Bi-color with excellent kernel colors and great eating quality. 7112R has a strong plant with high yield potential.
Xtra-Tender 274A Augmented	74	6.5 ft	30"	8x2"	18-20		Good emergence and seedling vigor. Refined brightly colored kernels. Excellent eating, very tender and sweet.
Honey 'N Pearl	76	6 ft	21"	8.5x1.9"	16	SC(r)	1988 AAS. Outstanding eating qualities. Lacks cold soil vigor. Plant in warm soil conditions.
Xtra-Tender 277A Augmented	77	6 ft	24"	8"	16-18		Attractive ears with exceptional eating quality. This variety has performed well in the Northwest. Hand pick.
Optimum Augmented	78	6-6.5 ft	20"	8x1.8"	18	R(t), SW(t), NCLB(t)	Excellent performing variety with superior eating quality and good tip fill. Nice husk cover. Shipper/fresh market.
Obsession Augmented	79	7 ft	28"	8-8.5x1.8"	16-18		Attractive package with good tip cover. Good kernel contrast. Holds well with excellent eating quality.
BSS 0982 (Attribute)	82	6.5-7 ft	26-28"	8x1.85"	16	R(r) SCLB(r), MDMV(r)	<b>Insect-Protected Variety!</b> Good color contrast and exceptional eating quality. Many tillers; plant densely. <b>Requires a signed stewardship agreement.</b>



## White Super Sweet Hybrids

Variety	Relative Days	Plant Height	Ear Height	Ear Size	Row Count	Disease	Features
Xtra-Tender 372A Augmented	72	5-6 ft	18"	7.8x1.9"	16-20		Second early; excellent emergence and seedling vigor. Good tip fill with tender kernels. Hand pick.
MultiGlow 7401 <b>NEW</b>	75	Medium Short		8"	16-18	MDMV(HR)	Bright white kernels with excellent husk cover. Very good eating quality and attractive flags.

Please See Price List For Additional Varieties Which May Be Available

# SWEET CORN (Cont.)




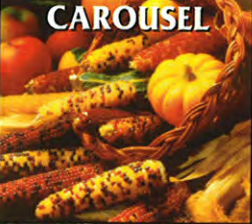

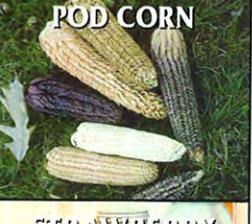
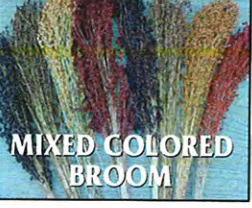
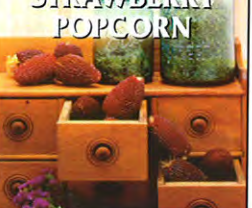
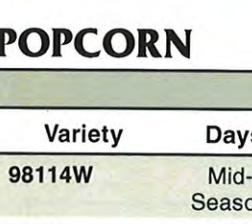


## White Super Sweet Hybrids

Variety	Relative Days	Plant Height	Ear Height	Ear Size	Row Count	Disease	Features
<b>Xtra-Tender 378A</b> Augmented	78	7 ft	24"	8.5"	16-18		Tender super sweet with good eating qualities and attractive ear appearance. Hand pick.
<b>WSS 0987</b> (Attribute)	81	6.5 ft	24"	7.5x1.85"	14-16	R(Rp1-d), NCLB(t), SW(t)	<b>Insect - Protected Variety!</b> The latest addition to the attributes. <b>Requires a signed stewardship agreement.</b>
<b>Devotion</b> Augmented	82	7 ft	34"	8x1.8"	16-18		Attractive bright white ear with superb eating quality. Nice package with good tip fill and good production.
<b>WSS 3681</b>	83	6.5-7 ft	28"	8.5x1.95"	16-20		Referred to as "White Super Sweet Jubilee". Same attractive appearance and quality flavor.

Please See Price List For Additional Varieties Which May Be Available

# ORNAMENTAL CORN

## Ornamental Corn

Variety	Days	Ear	Features		
 <b>MINI BLUE</b>	<b>Mini Blue</b>	100	2-4"	Ears contain medium dark blue kernels. The colonial blue color of the ears make this variety popular.	 <b>BLOODY BUTCHER</b>
 <b>MINI COLORED</b>	<b>Mini Colored</b>	100	3-5"	Some of the ears have solid color, but most are multi colored and calicos.	 <b>CAROUSEL</b>
 <b>MINI PINK</b>	<b>Mini Pink</b>	100	3-5"	The miniature kernels are an attractive pink or mauve color. Color varies slightly from ear to ear.	 <b>POD CORN</b>
 <b>Fiesta</b>	<b>Fiesta</b>	100	7-10"	Early, shorter stalks than standard Indian Ornamental. Very attractive mix of colors.	 <b>STRAWBERRY POPCORN</b>
 <b>MINI COLORED</b>	<b>Hopi Blue</b> <b>NEW</b> aka Blue Dent	100-110	8"	Five foot stalks. Dries to a Royal Blue color.	
 <b>MINI COLORED</b>	<b>Ornamental Indian</b>	100	9-10"	This is the traditional open pollinated Indian corn much the way it was when used by the Indians.	
 <b>AUTUMN EXPLOSION</b>	<b>Autumn Explosion</b>	102	8-9"	Hybrid ornamental developed for improved lodging resistance and color variations.	
<b>MIXED COLORED BROOM</b>	<b>Mixed Colored Broom</b>	105		A mixture of many different broom corn varieties. Can be harvested anytime after the seed head develops.	
<b>BLOODY BUTCHER</b>	<b>Bloody Butcher</b>	105	8-12"	Plants are 10 to 13 feet tall with 1 to 2 ears per stalk. Ears have blood red kernels mixed with darker kernels.	
<b>WAMPUM</b>	<b>Wampum</b>	105	4-5"	Plant height is 4 to 5 feet. Shiny kernels in white, pink, red, brown, black, blue and gold.	
<b>CAROUSEL</b>	<b>Carousel</b>	110	3-4"	Plants produce multiple miniature ears with red, white, yellow and blue kernels.	
<b>POD CORN</b>	<b>Pod Corn</b>	110	5-12"	Very unusual! The husks or glumes are a mixture of colors as are the kernels under the husks or glumes.	
<b>STRAWBERRY POPCORN</b>	<b>Strawberry Popcorn</b>	110	2"	Very attractive dark strawberry color and shape.	

Please See Price List For Additional Varieties Which May Be Available

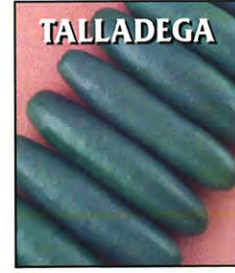
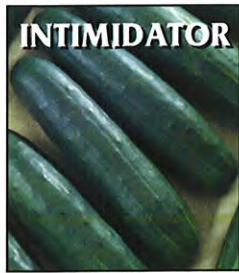
# POPCORN

## Hybrid Popcorn

Variety	Days	Color	Features
<b>98114W</b>	Mid-Season	White	Taller and higher yielding than R21- 82W with similar eating quality. Ear and kernel are larger, later maturing with higher expansion.
<b>997Y</b>	Mid-Season	Yellow	Large grain butterfly type that tolerates both gray leaf spot and drought conditions. Long cylinder shaped ears with easy shelling orange kernels and improved stock strength. Wide geographic adaptation.

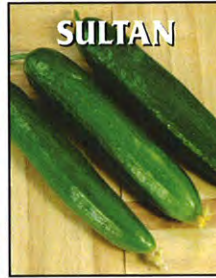
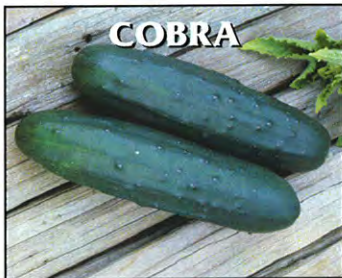
Please See Price List For Additional Varieties Which May Be Available

## CUCUMBERS - SLICING



### Hybrid Cucumber - Slicing

Variety	Relative Days	Flower Habit	Fruit Shape	Fruit Skin	Disease	Features
<b>Intimidator</b>	Very Early	GYN	7-8"	Dark Green	A(t), ALS(t), CMY(t), DM(t), PM(t), Sc(t)	Early maturing hybrid with premium quality fruits. Uniform length and diameter with even taper at ends.
<b>Stonewall</b>	Early-Mid	GYN	8x2.5" Straight	Dark Green	Sc(r), PM(r), DM(r), CMY(r), ALS(r), A	Uniform dark green fruit that is glossy with an attractive shape. Good yield potential.
<b>Speedway</b>	56	GYN	8x2.25" Cylindrical	Uniform Dk Green	PM(r), CMV(r), ALS(r), A(r)2, Sc(r)	Early to harvest with high yields. Excellent quality and fruit flavor.
<b>Dasher II</b>	58	GYN	8x2.25" Straight	Uniform Dk Green	Sc(r), ALS(r), A(r)2, CMV(r), DM(r), PM(r)	Market leader for many years; extremely productive, excellent quality and consistency.
<b>Talladega</b>	58	GYN	8x2.25" Straight	Uniform Dk Green	Sc(r), ALS(r), PM(t), WMV(r), A(r)2, DM(t)	Highly productive, uniform dark green slicer with very few spines and no blossom end scar.
<b>Cobra</b>	60	GYN	9x2.25" Straight	Uniform Very Dark Green	Sc(t), ALS(t), PM(t), PRSV(t), WMV(t), ZYMV(t), CMV(t)	Cobra has an excellent disease package. Attractive dark green color and excellent yield potential.
<b>Cortez</b>	60	GYN	9x2.25" Straight	Uniform Very Dark Green	Sc(r), ALS(r), PM(r), PRSV(r), WMV(r), ZYMV(r), A(r)2, PM(r)	High yielding with exceptional fruit quality. Excellent fruit color for ground culture.
<b>Turbo</b>	67	GYN	9.25x2.25" Straight	Uniform Very Dark Green	ALS(r), A(r)2, CMV(r), PM(r), Sc(r)	Excellent color and length; small seed cavity. Good disease package and very productive. Vigorous.



## CUCUMBERS - SPECIALTY

### Hybrid Cucumber - Specialty

Variety	Relative Days	Flower Habit	Fruit Shape	Fruit Skin	Disease	Features
<b>Sultan</b> BEIT ALPHA	55-60	GYN	7-8" Cylindrical	Medium Green	PM(r), CMV(r), ALS(r), A(r)2, Sc(r)	BEIT ALPHA type (Arabic). Soft, smooth skin, almost burpless.
<b>Tasty Green</b> Burpless	62	MON	9x1.5" Straight	Dark Green	PM(r), DM(t)	Monoecious burpless cucumber with sweet taste and good productivity.
<b>Sweet-Slice</b> Burpless	63	MON	10x2.5" Straight	Dark Green	CMV, DM, PM, PRSV, WMV, ZYMV	Monoecious cucumber with sweet taste and unique flavor. Fruits are dark green and smooth.

## CUCUMBERS - PICKLING

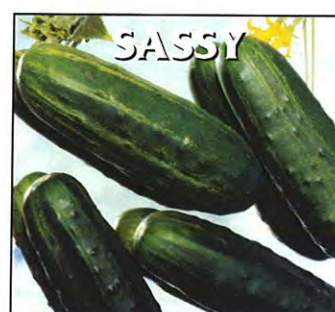
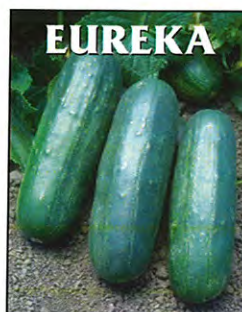
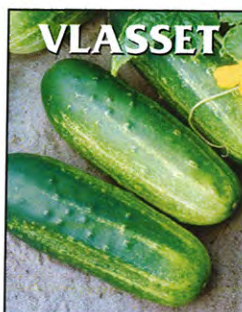
### Hybrid Cucumber - Pickling

Variety	Relative Days	Flower Habit	Plant	L/D Ratio	Color	Disease	Features
<b>Regal</b>	Very Early	GYN	Vigorous	3.2	Dark Green	ALS(t), Alt(t), CMV(t), DM(t), PM(t), Sc(r)	Hand or mechanical harvest. Fruits tend to maintain L/D under stress. White spine.
<b>Calypso</b>	51	GYN	Vigorous	3.0	Medium Green	Alt(r)-2, ALS(r), Sc(r), CMV(r), DM(r), PM(r)	Widely adapted. Hand or mechanical harvest. A familiar variety in the Northwest. White spined.

Please See Price List For Additional Varieties Which May Be Available

**Logan-Zenner Seeds, Inc.**

## CUCUMBERS - PICKLING (Cont.)

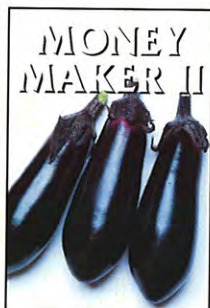


### Hybrid Cucumber - Pickling

Variety	Relative Days	Flower Habit	Plant	L/D Ratio	Color	Disease	Features
Pioneer	52	GYN	Vigorous	2.85	Medium Green	Sc(t), CMV(t), DM(t), Alt(t), ALS(t)	Widely adapted to the Northwest. Hand harvest. Black spine.
Vlasset	56	GYN	Vigorous	3.15	Medium Dark Green	A-1(t), ALS(t), CMV(t), DM(t), PM(t), Sc	Popular hand pick variety with stellar fruit quality. Well suited for sustained multiple picks.
Eureka	57	MON	Vigorous	3.15	Very Dark Green	Sc, ALS, DM, PRSV, PM, WMV, ZYMV, A-2, CMV	Well adapted to the Western US, where mosaics are prevalent. Excellent fruit quality. White spine.
Fancipak	57	GYN	Vigorous	3.15	Medium Dark Green	A-1(t), Sc, ALS(t), DM, CMV(t), PM(t)	Beautiful, blocky, medium dark green fruit. Fancipak is a favorite for hand pick harvesting.
Sassy	57	GYN	Vigorous	3.2	Dark Green	Sc, ALS, DM, CMV, PM, A	Slightly longer fruit length, dark green color and excellent interior make this a classy choice.

Please See Price List For Additional Varieties Which May Be Available

## EGGPLANT



### Hybrid Eggplant

Variety	Relative Days (TP)	Fruit Shape	Fruit Size (LxW)	Fruit Color	Plant	Disease	Features
Millionaire	50	Long Cylindrical	10x2"	Glossy Black	Medium Upright		Millionaire is extra early with very good fruit quality. Fruit is long, cylindrical and glossy black with a purple calyx.
Money Maker II	60-65 <b>NEW</b>	Long Oval		Glossy Black	Semi Upright		Early maturity. Long, oval fruit is glossy black with purple calyx. Typical Japanese-type; semi upright habit.
Epic	64	Tear Drop	8.25x4"	Deep Purple-Black	36" Upright		Early maturity and high yield potential. This strong, upright plant is widely adapted.
Black King	65-70	Tear Drop		Glossy Black	Semi Upright		A vigorous, high yielder that is good for greenhouse and open field production. Excellent texture.
Black Bell	68	Round Oval	6x3.5"	Glossy Deep Purple-Black	28" Tall	TMV(r)	Early mid-season maturity. Excellent fruit quality and high yield potential.
Classic	Early/Main	Elongated Oval	7x8"	Glossy Purple-Black	Upright Vigorous		A widely adapted reliable producer that provides premium quality fruit with excellent shelf life.
Night Shadow	68	Tear Drop	8x3.5"	Glossy Deep Purple-Black	Upright	ToMV(r)	Very productive plants. Excellent quality fruit with attractive, very glossy black appearance.

Please See Price List For Additional Varieties Which May Be Available

# ENDIVE

## Endive / Escarole

Variety	Relative Days	Leaf Appearance	Features
Full Hearted Batavian	80	Dark Green	White mid-rib. Upright growth habit with creamy yellow heart.
Ruffec	95	Dark Green	Deeply cut dark green leaves with fringed margins and pale green mid-ribs.

Please See Price List For Additional Varieties Which May Be Available

# GOURDS

## Ornamental Gourds

Variety	Relative Days	Features	
<b>Autumn Wings - Swan</b> (Pepo)	100	Unique gourd of many colors with wings, warts and the full shape of a swan. Its bulb size is 2.5-3" in diameter with a neck up to 12" long.	
<b>Autumn Wings - Medium</b> (Pepo)	100	Unique gourd of many colors with wings. Fruit shape of a spoon but with wings. Bulb size is 2.5-3" in diameter with a 6" neck.	
<b>Autumn Wings - Small</b> (Pepo)	100	Unique gourd of many colors with wings. Fruit shape of a swan or a pear. Bulb size is 2.5-3" in diameter with a 4-5" neck.	
<b>Autumn Wings - Blend</b>	100	Mix of Autumn Wings - Small and Autumn Wings - Medium.	
<b>Apple</b> (Lagenaria)	120	Shaped like an apple, but the size of a softball or larger. Dark green skin with white specks.	
<b>Birdhouse / Bottle</b> (Lagenaria)	120	Bulbs are 12-14" tall by 5" in diameter, having smooth skin. Harvest green and dry with good air circulation for several months.	
<b>Bushel</b> (Lagenaria)	120	Fruits are 12-18" in diameter, weighing from 30 lbs to 100 lbs. Excellent for arts and crafts when cured.	
<b>Caveman's Club - Maranka</b> (Lagenaria)	120	Club shaped fruit 15-18" long and approximately 6" in diameter with a wrinkled knobby ball.	
<b>Dipper - Long Handle</b> (Lagenaria)	120	Long handle approximately 2 feet long with a 5-6" bulb. Handle will grow straight if trellised.	
<b>Galaxy of Stars</b> (Pepo)	90-100	A five point star shaped gourd in many colors that can be mechanically washed.	
<b>Goblin Eggs</b> (Pepo)	80	A delightful mixture of eggs with Shenot Crown of Thorns, Jack Be Little and Small Spoon Colorful. Maturity is quicker than other ornamental gourds.	
<b>Hedgehog</b> (Cucumis africanus)	85	Actually a cucumber relative, this small, striped, spiny fruit averages 2" x 1 1/2". Looks great mixed with ornamental gourds and will keep for several months.	
<b>Koshare Yellow</b> (Pepo)	100	Very unique appearance. Fruit are about 4.5 inches and very uniform. Fruit colors are dark green with gold banding. Excellent color retention.	
<b>Logan's Mix</b> (Pepo)	100	Our own special mix of fancy Pepo gourds. Both warted and smooth types.	
<b>Lunch Lady</b> <span style="color:red">NEW</span>	100	Great mix of large, colorful and warted gourds that range from 5 to 20 lbs. A great addition to any stand.	
<b>Mixed - Small</b> (Pepo)	95	A mixture of gourds such as Small Spoon, Pear Bi-Colored, Small Warted and others.	
<b>Mixed - Large</b> (Lagenaria)	110	A mixture of Lagenaria gourds that provides a terrific group of different shapes and sizes.	
<b>Mixed - Small &amp; Large</b>	110	A mixture of both Pepo and Lagenaria gourd types.	
<b>Pear Bi-Color</b> (Pepo)	90	A pear shaped fruit that is smooth and hard. Yellow on the top half and green on the bottom half.	
<b>Shenot Crown of Thorns</b> (Pepo)	95	A Pepo gourd similar in shape to Crown of Thorns with a wide assortment of color combinations.	
<b>Speckled Swan</b> (Lagenaria)	100	A large crooknecked gourd with a tip resembling the head of a swan. Neck is 14-18" long with a 6" base. Skin is dark green with white specks.	
<b>Small Warted - Pro Mix</b> (Pepo)	100	A new smaller mix with a balanced assortment of flat, round, short pears, pears and spoons. More colors with yellows, greens and oranges and fewer whites make for a brighter display.	
<b>Small Warted - Mixed</b> (Pepo)	100	An assortment of many colored, warted fruit including yellow, green, orange and bi-color.	
<b>Spoon Platoon</b> <span style="color:red">NEW</span>	90	Unique shapes and superior plant habits, combined with excellent color retention make Spoon Platoon a great four gourd mix.	

Please See Price List For Additional Varieties Which May Be Available

# HERBS

Herbs		
Variety	Appearance	Features
Anise	Rich Green Resembles Parsley	Grown primarily for its licorice flavored seeds used in teas, baked goods and desserts. The fresh leaves can be used in salads or as a garnish.
Arugula - Roquette	Bright Green With Lobed Leaves	Tangy salad green with a sharp, nutty flavor. This annual is fast growing and hearty.
Basil - Italian Large Leaf	Broad Oval Leaves Medium Dark Green	Annual plant 3- 4" in length with spicy flavor and aroma.
Basil - Lemon	Fine Leaf Medium Green	This lemon scented basil has medium sized, pointed, yellowish- green leaves.
Chives	Dark Green Long Stemmed	Narrow, grassy leaves with mild onion- like flavor and lavender pink blossoms. This is a perennial that grows 6- 12" tall.
Chives - Garlic	Slender/Flat Dark Green	White blooming perennial with mild garlic flavor.
Coriander - Leisure	Deep Green Broad Leaves	Annual plant with deep green, finely cut leaves. Grows up to 16". This variety is very aromatic. Glossy leaves. Selected slow bolting strain.
Coriander - Long Standing	Deep Green Broad Leaves	Long standing type. High yields. Slow to bolt. Glossy leaves.
Coriander - Santo	Deep Green Broad Leaves	A fast growing yet remarkably slow bolting strain offering up to twice the yield of Moroccan strains. For Mexican and Oriental cooking.
Dill - Bouquet	Dark Green Foliage	A 68 day vigorous plant.
Dill - Long Island Mammoth	Very Fine Leaves	A 70 day variety that grows 24- 30" tall.
Fennel - Zefa Fino	Large Bulb With Feathery Foliage	This succulent annual is anise flavored. Bulbs are creamy white. Variety has good bolt tolerance.
Fennel - Orion F1 (Florenze type)	Large Round Bulb	Very uniform 80- 82 day plant that is bolt and tip burn tolerant.
Lavender	Lilac-Purple Flowers Silvery Foliage	Fragrant herb for use in sachets and potpourris. Plants grow 18- 36" tall and produce a profusion of lilac- purple flowers on silvery foliage. Perennial.
Oregano	Bright Blue-Green	This perennial is used both fresh and dried. Plants grow to two feet tall.
Sage	Blue-Green	Broad leafed perennial with pungent flavor.
Sorrel - Large Leaf	Long Green Leaf	A perennial with lemon flavor. A vigorous grower in full sun.
Summer Savory	Broad Leaf	An annual with fragrant small leaves. A pleasant peppery flavor.
Thyme	Silver-Green Bushy	This is a highly aromatic perennial with many uses.

Please See Price List For Additional Varieties Which May Be Available

# KALE

Hybrid Kale				
Variety	Relative Days	Leaf Appearance	Plant Size	Features
Winterbor	55	Blue-Green	18-24"	A vigorous, winter hearty variety with finely curled leaves. Tall stems allow for easier stripping.
Darkibor	75	Dark Green	18-24"	This finely curled, uniform variety holds well after cutting. Overwinters and leaves resist yellowing.
Redbor	75	Dark Red	36"	This decorative kale will overwinter and has excellent bolt tolerance. Tall standing type. Redness and curling enhanced by cold weather.
Reflex <b>NEW</b>	120	Dark Green	36"	High quality leaf with a tighter, more highly curled leaf margin than traditional kales. Dark green leaves do not turn yellow and fall off in the Fall and Winter.


  

Open Pollinated Kale				
Variety	Relative Days	Leaf Appearance	Plant Size	Features
Vates Blue Curled	55	Dark Green Finely Curled	14-15"	This upright, hearty plant resists yellowing and is slow to bolt.

Please See Price List For Additional Varieties Which May Be Available

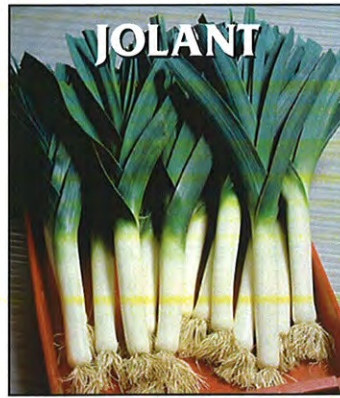
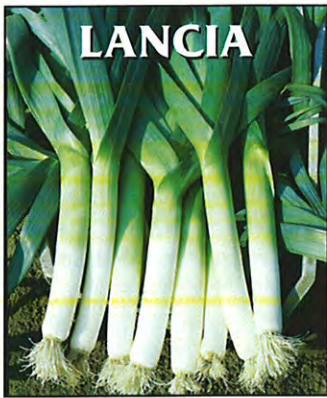
# KOHLRABI

## Hybrid Kohlrabi

Variety	Relative Days	Shape	Color	Features	
Kongo	55	Flat Globe	Pale Green	Early, mild, sweet flavor and crisp texture. Good uniformity. Holds well without becoming woody. For markets requiring shorter foliage.	
Grand Duke	56	Semi-Globe	Light Green	This AAS winner produces smooth, round, uniform bulbs. It is quick maturing and tolerant to black rot.	
Winner	60	Semi-Globe	Pale Green	Excellent yield of medium-early maturing bulbs. Bulbs are smooth and uniform. Late Summer to Fall growing season.	

Please See Price List For Additional Varieties Which May Be Available

# LEEK



## Leek

Variety	Relative Days	Size	Color/ Shape	Disease	Features
Lancia F1	80	10-12"	White Shaft, Medium Green Flag		Early maturing hybrid with medium green leaves and excellent uniformity. Plant early Spring for Summer harvest.
Columbus	85	8-10"	White Shaft, Blue-Green Flag	YSV(t)	An early maturing variety with excellent field holding ability. For Summer/ Fall harvest.
Jolant	90	10-12"	White Shaft, Blue-Green Flag		Summer and Fall leek with nice blue- green color and long shaft. Very productive, no bulbing at the base.
Tadorna F1	110-120	10-12"	White Shaft, Blue-Green Flag		This hybrid leek provides a uniform, long shaft that makes for easy harvest and cleaning.
Bandit	120	7"	White Shaft, Dark Blue-Green Flag	YSV(t)	A highly productive variety for Fall and early Winter harvest. Tolerant to cold temperatures.

Please See Price List For Additional Varieties Which May Be Available

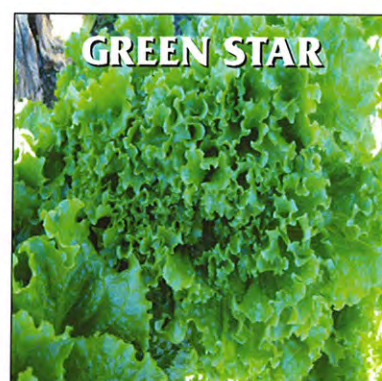
# LETTUCE

## Iceberg Lettuce

Variety	Relative Days	Head Size	Head Color	Disease	Features
Victory MT <b>NEW</b>	65	Large	Dark Green	TB; Bolt; Rs	Large head with dense interior. Strong, protective frame and dark green color works well for fresh market.
Heatwave MT <b>NEW</b>	65	Medium	Green	TB; Bolt	Compact heads with fresh, green color. Interior is dense with a short core. Uniform in shape, size and maturity.
NIZ 44-4402 MT <b>NEW</b>	65	Medium	Dark Green	DM:1-6; 13-15; 17; TB; Bolt	Medium size iceberg with heavy leaf texture. Dark green color and dense, round heads.
Silverado	68	Medium Large	Dark Green	DM(r)-1,6	A medium large crispy head with good disease package and even less tip burn than El Dorado.

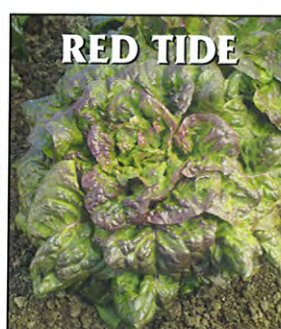
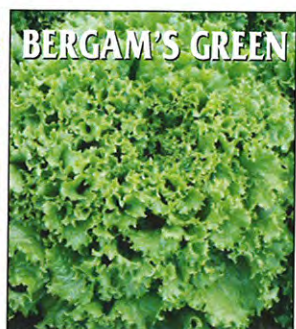
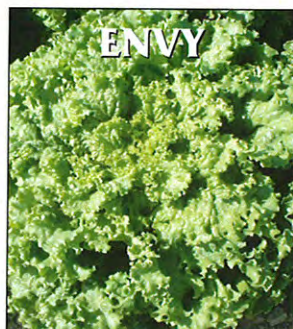
Please See Price List For Additional Varieties Which May Be Available

# LETTUCE (Cont.)



## Green Leaf Lettuce

Variety	Relative Days	Head Size	Head Color	Disease	Features
<b>Envy MI</b>	45-50	Medium	Medium Green	TB(t)	Attractive green leaf type with excellent uniformity and weight. Slow bolting and resists suckering. Excellent tip burn tolerance.
<b>Green Star MT</b> <span style="color:red">NEW</span>	55-60	Large	Glossy Vibrant Green	DM; Bolting	Thick, textured leaves with a fresh picked look thanks to a glossy sheen and vibrant green color. Great holding ability in adverse weather
<b>Bergam's Green MI</b>	58	Large	Glossy Dark Green	TB(t), CRR(r)	Bergam's Green has a large frame and dark green color. Excellent tip burn tolerance and good field holding ability.
<b>Sangria MT Butterhead</b> <span style="color:red">NEW</span>	65	Medium Large	Red-Green Interior	DM; LMV; TB	A versatile red butterhead with a striking appearance. Vivid red leaves that transition into a delicate green interior. Good bolt tolerance.
<b>Bennett MT Butterhead</b> <span style="color:red">NEW</span>	65	Large	Dark Green	DM; 1-17; 21; 23; Bolting	Large frame, flat butt and dark, glossy leaves. Excellent texture & weight. Holds nicely in the field. Trials harvested into late October.

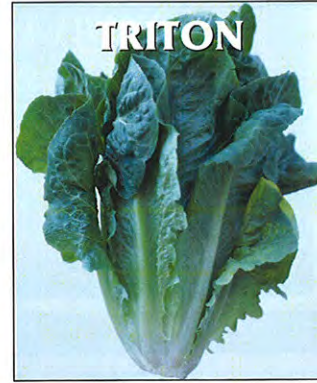
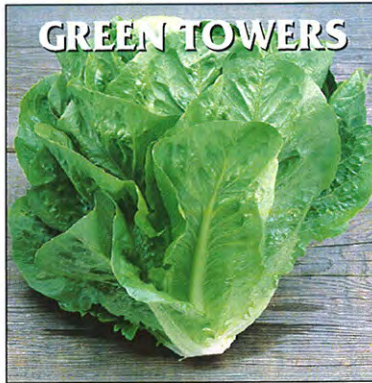
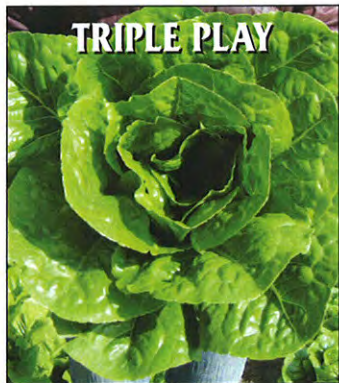
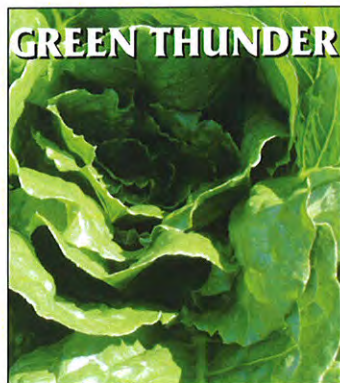


## Red Leaf Lettuce

Variety	Relative Days	Head Size	Head Color	Disease	Features
<b>New Red Fire MI</b>	55	Large	Deep Red		Good uniformity and attractive color. Widely adapted variety that is slow to bolt. Leaves are frilled.
<b>Red Tide MI</b>	58	Large	Rich Red	TB(t)	Large framed with large, pliable leaves that exhibit a combination of dark green ribs and rich red leaves.
<b>Red Bull</b>	58	Large	Dark Red	TB(t)	Large framed glossy dark red color with excellent tip burn and bolting tolerance. Widely adapted.
<b>Red Baron MT</b> <span style="color:red">NEW</span>	60-65	Large	Dark Green	TB; Bolting; DM	Large, dense heads with excellent weight. The contrast of red margins and green hearts is eye catching. Good bolt & tip burn tolerance.

Please See Price List For Additional Varieties Which May Be Available

## LETTUCE (Cont.)

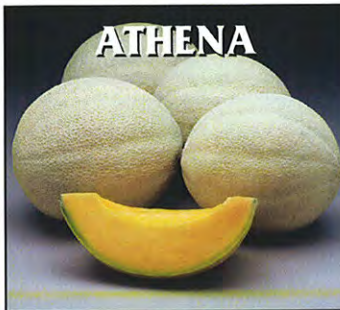
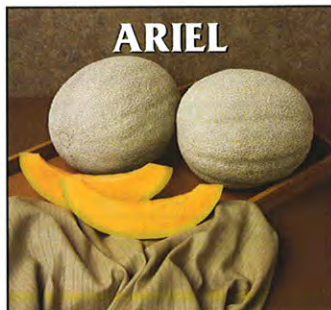
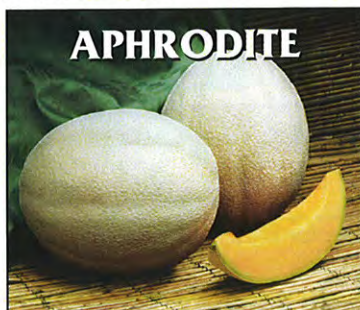


### Romaine Lettuce

Variety	Relative Days	Head Size	Head Color	Disease	Features
<b>Green Thunder MT</b> <b>NEW</b>	65	Medium Large	Dark Green	TB Sclerotinia	Well adapted to a wide variety of growing conditions. Medium to large frame averages 1.5 lbs. High tolerance to twisting & deforming.
<b>Triple Play MT</b> <b>NEW</b>	65	Large	Medium Green	TB Rs; DM	Weighty, adaptable. Leave have excellent texture and glossy green color. Disease package helped Triple Play stand out in NW area trials
<b>Darkland Cos MT</b> <b>NEW</b>	72	Medium Large	Dark Green	TB(t)	Popular with excellent color and uniformity. Produces a very dense, heavy head. Maintains quality in the field over a long period.
<b>Parris Island Cos MI</b>	72	Medium Large	Medium Green	TB(t)	Standard variety. Tall, upright plant with slightly savoyed leaves. Slow to bolt.
<b>Green Towers MI</b>	74	Large	Dark Green	TB(t)	Excellent weight with large, full-bodied heads. Widely adapted variety with a consistent performance record.
<b>Triton MI</b>	74	Large	Dark Green	TB(t)	Triton forms an attractive, large dark green plant with good weight. Multi- purpose fresh pack, hearts or packaged salad.

Please See Price List For Additional Varieties Which May Be Available

## MELONS

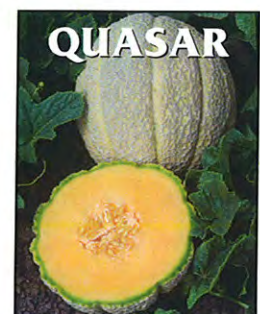
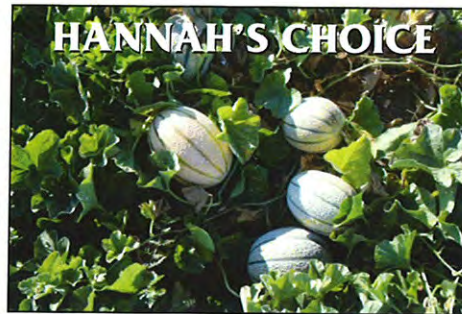


### Hybrid Eastern Types

Variety	Relative Days	Weight Size	Net Sutures	Rind Color	Flesh Color	Disease	Features
<b>Aphrodite</b>	72	6-7 lbs Oval	Coarse Net Light Sutures	Tan	Orange	F01,2, PM1,2,3	Early maturing with size. Fruits have firm flesh with good flavor. Good shipper.
<b>Ariel</b> <b>NEW</b>	73	5.5-6.5 lbs	Well Netted No Sutures	Tan	Orange	FormO-2(HR) PX1(r), S(t)	Large fruit size. Improved netting. Eating quality and post harvest attributes similar to Athena.
<b>Athena</b>	75	5-6 lbs Oval	Coarse Net Light Sutures	Tan	Orange	F01,2, PM1,2,S	Athena's attributes are unique flavor, shelf life and high quality fruit. Good shipper.
<b>Atlantis</b> <b>NEW</b>	75-80	4-5 lbs Oval	Full Fine Net Shallow Sutures	Tan	Orange	R: Form:0-2/SF:1 IR: SF:2	Excellent interior quality including firmness and high sugar content. Shipper or farm market variety.

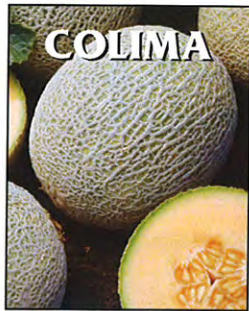
Please See Price List For Additional Varieties Which May Be Available

## MELONS (Cont.)



### Hybrid Eastern Types

Variety	Relative Days	Weight Size	Net Sutures	Rind Color	Flesh Color	Disease	Features
Minerva	78	7-8 lbs Oval	Coarse Net Med. Sutures	Tan	Orange	F01,2, PM2	Slightly larger than Athena with a strong, vigorous vine and excellent disease tolerance.
Hannah's Choice	80	3-5 lbs	Medium Net Deep Sutures	Tan	Salmon	PM, PRSV, DM, ZYMV, WMV	Outstanding flavor and sweetness makes this a crowd favorite. Good storing ability.
Superstar	80	6-8 lbs Round	Coarse Net Deep Sutures	Tan	Salmon	F0,2	Grown primarily for roadside stands and local markets. Excellent eating quality. Limited shelf life.
Home Run <b>NEW</b>	82	6-8 lbs Oval	Coarse Net No Sutures	Tan	Orange	PMR, FWR:0, 1&2	Comparable to Athena. Good yield potential and performs well in cool and rainy conditions.
Quasar	90	6-8 lbs Round	Coarse Net Deep Sutures	Tan	Deep Orange	PM1, F2	A main season hybrid that produces very large sizes. Ideal for roadside stands and local markets.

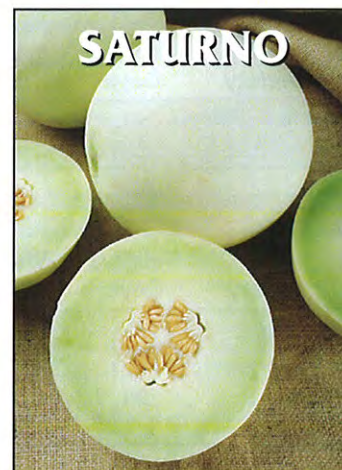
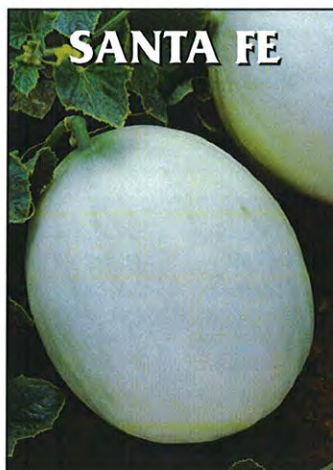


### Hybrid Western Shippers

Variety	Relative Days	Weight Size	Net Sutures	Rind Color	Flesh Color	Disease	Features
Western Express <b>NEW</b>	Early	3-4 lbs Round-Oval	Medium Net	Tan	Orange	IR: Form:0,2	Excellent choice as first or second early melon. Produces large fruit under cool conditions.
Western Gold <b>NEW</b>	Mid-Season	3-4 lbs Oval	Full Refined Net	Tan	Orange	IR: Form:0,2/SF-1	Vigorous vines produce large size, round fruit with excellent internal qualities, small cavity.
Olympic Express <b>NEW</b>	65-70	3-4 lbs Round-Oval	Full Net Shallow Sutures	Tan	Orange	R:SF:1,2 IR: Form:0,2	Great taste, excellent firmness and good interior color. Early maturing, fresh & fresh cut markets.
Colima	70	3.5-4 lbs Oval	Full Net No Sutures	Tan	Orange	PM(r)1,2, F(r)0,2	Early main season hybrid with crisp, sweet flesh. Very strong vine.
Ocotillo	72	3.5-4 lbs Slightly Oval	Full Net No Sutures	Tan	Med-Dark Orange	F0,2, PM1,S	An early hybrid that produces large melons with tight cavities and attractive flesh color.
Primo	77	3.5-4 lbs Oval	Full Net No Sutures	Tan	Med-Dark Orange	PM(r)1,2, S(t)	Delivers size and sugar content. Well adapted to the Pacific Northwest.

Please See Price List For Additional Varieties Which May Be Available

## MELONS (Cont.)

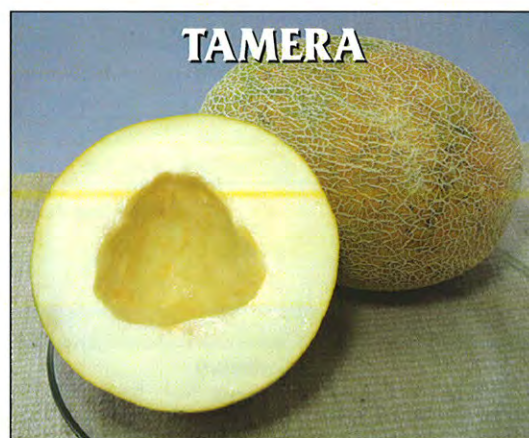


### Hybrid Honeydew - Green Flesh

Variety	Relative Days	Weight Size	Net Sutures	Rind Color	Flesh Color	Disease	Features
Earli-Dew	75	2.5-3 lbs Round	Smooth No Sutures	Creamy Green	Lime Green	F2	Earli-Dew produces delicious, green fleshed, smooth skinned melons. Early maturity.
Dewlicious	80	6-7 lbs Round	Smooth No Sutures	Yellow	Light Green To White	F(r)0,2	This unique honeydew melon has a yellow rind with light green flesh. Brix were 16 in our trials.
Santa Fe	80	5-6 lbs Slightly Oval	Smooth No Sutures	White	Light Green To White	F(r)0,2	Santa Fe has a very high quality interior with a small seed cavity. Brix were 14.6 in our trials.
Saturno	80	5-6 lbs Round	Smooth No Sutures	Creamy White	Light Green	PM(r)1, F(r)0,2	Very high yield potential. Small seed cavity, firm flesh for good shipping.

### Hybrid Honeydew - Orange Flesh

Variety	Relative Days	Weight Size	Net Sutures	Rind Color	Flesh Color	Disease	Features
Honey Gold	80	5-6 lbs Round	Smooth No Sutures	Lime Green	Salmon	F(r)0,2 PM(t)1	Concentrated set of uniform size melons with great yield potential. Brix were 15.2 in our trials.



### Hybrid Ananas

Variety	Relative Days	Weight Size	Net Sutures	Rind Color	Flesh Color	Disease	Features
Dove (Premium)	70	3-4 lbs Round	No Sutures Sparse Net	Tan/ Yellow	Cream		Early maturity and exceptional eating quality. Brix were 14 in our trials. A must for roadside stands.
Tamera (Premium)	80	6-7 lbs	No Sutures Sparse Net	Tan/ Yellow	Cream	PM(r)1,2, F(r)0,1,2	Large fruit, great eating quality and improved shelf life. Brix were 13.2. Good disease package.

Please See Price List For Additional Varieties Which May Be Available

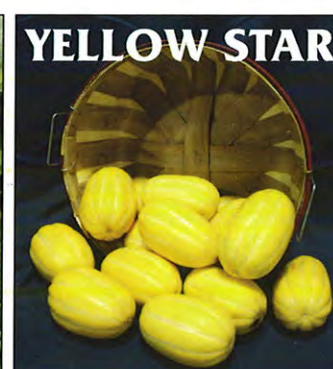
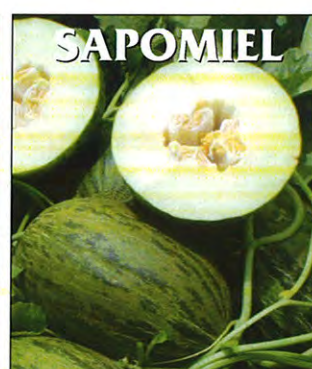
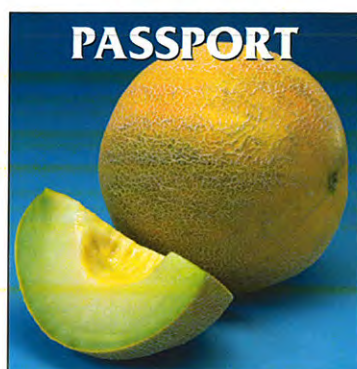
## MELONS (Cont.)

### Hybrid Crenshaw

Variety	Relative Days	Weight Size	Net Sutures	Rind Color	Flesh Color	Disease	Features
<b>Burpee Early Crenshaw</b>	81	6-8 lbs Oval	Corrugated No Sutures	Yellowish Green	Peach Pink		Firm, thick flesh and super early for a Crenshaw type melon. Excellent eating quality.

### Hybrid Galia

Variety	Relative Days	Weight Size	Net Sutures	Rind Color	Flesh Color	Disease	Features
<b>Passport</b>	75	5-6 lbs Round	Medium Net No Sutures	Tan	Green	PM(r)1, F(r)0,2	Early galia type with thick, firm flesh. Very sweet flavor. Brix were 11 in our trials.
<b>Visa</b>	80	4-5 lbs Round	Medium Net No Sutures	Tan	Green	PM(t)1,2	Excellent eating quality. Brix were 12.5 in our trials. Plant is very productive with a strong vine.



### Hybrid Piel De Sapo

Variety	Relative Days	Features
<b>Sapomiel</b>	90	Sometimes called Christmas melon. Sapomiel is oval in shape, weighing approximately 3.5 to 4.5 lbs. The rind pattern is medium green with dark green frog-like spots. When mature, the rind will be green with yellow reflections. The flesh is white and very sweet with Brix commonly ranging between 14 and 16. Good shipping ability with shelf life up to 45 days when stored properly. The plant habit is vigorous with high resistance to Powdery Mildew.

### Hybrid Specialty

Variety	Relative Days	Weight Size	Net Sutures	Rind Color	Flesh Color	Disease	Features
<b>Yellow Star (Oriental)</b>	70	1-1.5 lbs Elongated	Smooth Slight Sutures	Yellow White Ribbing	Creamy White		Korean melon with crisp, sweet flesh and flavor similar to a pear. Brix were 15 in our trials.

Please See Price List For Additional Varieties Which May Be Available

## MUSTARD

### Mustard

Variety	Relative Days	Size	Leaf	Features
<b>Florida Broadleaf</b>	45	Large	Round Medium Green	A widely adapted, vigorous variety. Leaves have serrated margins.
<b>Green Wave</b>	50	Large	Dark Green	Heavy curled leaves with frilled margins. A slower bolting Southern Giant type.

Please See Price List For Additional Varieties Which May Be Available

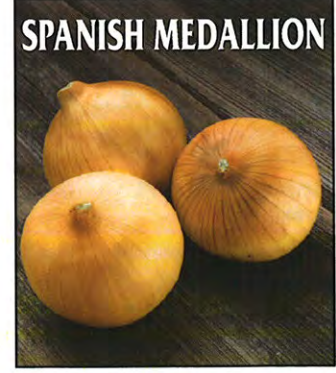
# OKRA

## Hybrid Okra

Variety	Relative Days	Plant	Pod	Features
Annie Oakley II	52	Medium Height	Medium Green Long, Slender	High yield potential, open canopy for easy harvest. Tender, uniform pods, suitable for fresh market or processing. Pods stay tender.

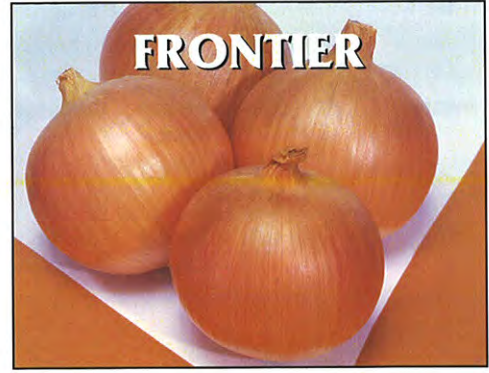
Please See Price List For Additional Varieties Which May Be Available

# ONIONS



## Hybrid Intermediate Types

Variety	Relative Days	Shape	Size	Color	Storage Potential	Disease	Features
Caballero	92	Globe	Large Jumbo	Bronze	Short	PRR(r)	Early with uniform bulbs and nice skins. Works well as a transplant or direct seeded. Good yield potential.
Candy	95	Globe	Large Jumbo	Golden	Short	PRR(r)	Very popular and widely adapted. Early with mild flavor and small neck. Direct seed or transplant.
Western Giant	105-110	Globe	Jumbo Colossal	Brown	Short	PRR(t), FBR(t)	Superior size and consistent yield. Widely adaptable; cuts good centers.
Ovation <b>NEW</b>	110-115	Globe	Jumbo Colossal	Brown	Short	PRR(t), FBR(t)	Late intermediate yellow that transitions into a long day Spanish type. Cuts high centers and very mild.
Spanish Medallion	110-115	Tall Globe	Jumbo Colossal	Bronze	Mid	PRR(t), FBR(t)	An intermediate day type with excellent skin retention that cuts a high percentage of singles. Adaptable to the NW and Colorado.

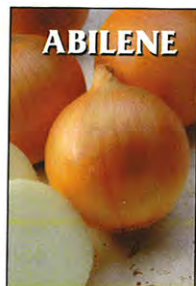


## Hybrid Spanish / Hard Globe Types

Variety	Relative Days	Shape	Size	Color	Storage Potential	Disease	Features
Highlander (T-803)	85	Globe	Large Jumbo	Medium Brown	Short		An early maturing hybrid with excellent yield potential. Bulbs are uniform, large-jumbo size with small necks.
Frontier	98	Globe	Medium Large	Dark Bronze	Long	Botrytis(t), DM(t)	Very early export type onion. It has glossy dark skins with long term storage ability.

Please See Price List For Additional Varieties Which May Be Available

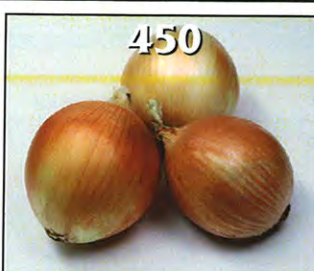
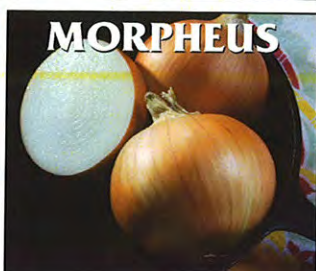
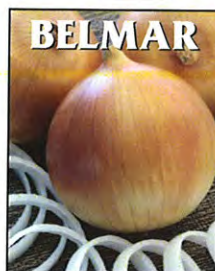
# ONIONS (Cont.)



## Hybrid Spanish / Hard Globe Types

Variety	Relative Days	Shape	Size	Color	Storage Potential	Disease	Features
<b>Abilene</b> XP 07718304 <b>NEW</b>	112	Blocky Globe	Medium Colossal	Dark Brown	Long	PRR(t), FBR(t)	A Spanish storage onion that is highly single centered and has great storage potential.
<b>Elbrus</b> XP 18495 <b>NEW</b>	115	Globe	Medium Colossal	Deep Bronze	Long	PRR(r), FBR(r)	Excellent bulb uniformity, uniform size with strong scale color and cover.
<b>Tioga</b>	118	Globe	Jumbo Colossal	Bronze	Long	PRR(ir), FBR(ir)	Attractive bronze scales with a globe shape. Slightly later than Teton with better bolting tolerance. Outstanding!

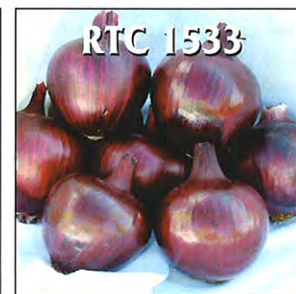
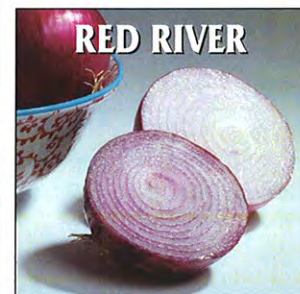
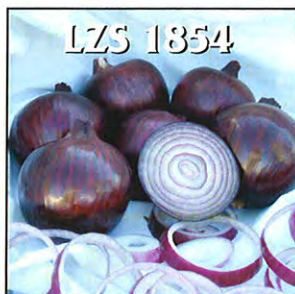
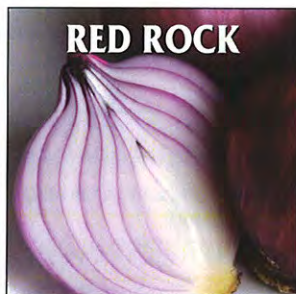
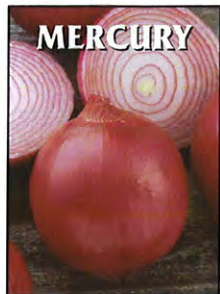
## Hybrid Full Spanish Types



Variety	Relative Days	Shape	Size	Color	Storage Potential	Disease	Features
<b>T-439</b>	110	Globe	Jumbo Colossal	Dark Brown	Mid		Early with excellent color, fast cure down and good size. This is a "harvest to market" onion.
<b>Milestone</b> T-441	110	Globe	Jumbo Bronze	Dark	Long		Tamara type with earlier maturity and single centers. Excellent bolting tolerance.
<b>Belmar</b> <b>NEW</b> XP 07716529	116-118	Globe	Jumbo Colossal	Bronze Colossal	Long	PRR(hr)	Ideal for fresh pack, highly single-centered, produces a high percentage of jumbos.
<b>Swale</b>	120	Blocky Globe	Colossal	Dark	Mid	FBR(r), PRR(r)	This true Spanish type produces uniform globes with good color and scale cover.
<b>Morpheus</b> 209 <b>NEW</b>	120	Globe	Super Colossal	Copper Brown	Mid	PRR(t), FBR(t), B(t)	Dark scaled, high yielding Spanish hybrid that cuts well. Has a strong root and upright tops.
<b>450</b> <b>NEW</b>	118-125	Blocky Globe	Jumbo Colossal	Bronze	Long	PRR(hr)	Good yielder. Adaptability & grower friendly. Strong tops and root system. Mild pungency.
<b>Barbaro</b> <b>NEW</b> EX 16064	120-122	Globe	Jumbo Colossal	Bronze Colossal	Mid	PRR(r)	Exceptional yield potential, highly single-centered. McCain approved variety.
<b>Maverick</b> SWO 6001	125	Deep Globe	Jumbo Colossal	Bronze	Mid	PRR(ir)	This new introduction is uniform with outstanding yield potential. An excellent choice for processing or fresh market.
<b>Vision</b>	125	Globe	Jumbo Colossal	Bronze	Long	PRR(ir)	Vision is large and high yielding with attractive bronze colored scales. Excellent quality and single center potential.
<b>Charismatic</b> PX 5299	125	Globe	Jumbo Colossal	Golden Bronze	Mid	PRR(r)	Large Spanish onion with great yield potential and attractive bronze scale. Bulbs are uniform globed shape.
<b>Oracle</b> <b>NEW</b> 207	125	Tall Globe	Super Colossal	Golden Bronze	Mid	PRR(t), FBR(t), B(t)	High yielding hybrid with high percentage of single centers. Vigorous tops and resists bolting.
<b>Advantage</b> <b>NEW</b> 05-N5	130	Tall Globe	Super Colossal	Golden Brown	Mid	PRR(t), FBR(t), B(t)	Very resilient variety with strong tops and good root system. Later season Spanish yellow with a taller globe shape bulb.

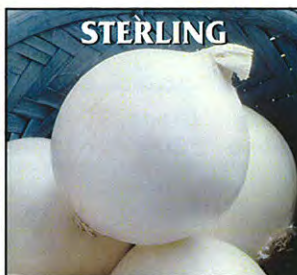
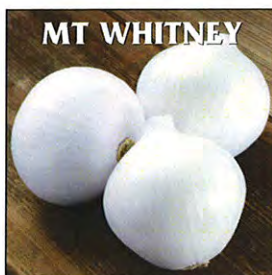
Please See Price List For Additional Varieties Which May Be Available

# ONIONS (Cont.)



## Hybrid Reds

Variety	Relative Days	Bulb Shape	Grade Size	Skin Color	Storage Potential	Disease	Features
<b>Red River (Int)</b> <b>NEW</b>	105	Globe	Jumbo	Red	Short/Mid	PRR(t), FBR(t), B(t)	Highly adaptable onion with a strong root system and dark red color. High yield potential and a firm globe.
<b>Mercury (LD)</b>	112	Globe	Large Jumbo	Dark Red	Long	PRR(ir)	Early, excellent yield potential with large-sized globe shaped bulbs. Good color to the center. Good storage.
<b>Grateful Red (LD)</b>	115	Globe	Medium to Jumbo	Dark Red	Mid	FBR(r), PRR(r)	Attractive internal and external color. Vigorous, highly productive in Northern areas.
<b>Red Castle (LD)</b>	120	Deep Globe	Large Jumbo	Very Dark Red	Long	PRR(t)	Red Castle is a RTC- 1433 type with improved uniformity. The bulb color is very dark red. Excellent storage potential.
<b>RTC 1533 (LD)</b>	120	Deep Globe	Large Jumbo	Very Dark Red	Long	PRR(t)	Similar to Red Castle, this onion has a very dark red color and good uniformity. Stores well.
<b>Red Defender (LD)</b>	125	Globe	Large	Very Dark Red	Long	PRR(t)	A full season red onion with high yield potential and good color to the center. Very uniform.
<b>LZS 1854 (LD)</b>	125	Globe	Large	Very Dark Red	Long	PRR(t)	Very uniform with color continuing to center. Full season with good yield in the Columbia Basin.
<b>Red Rock (SD)</b> <b>NEW</b>	165	Globe	Jumbo	Red	Short	PRR(t), FBR(t), B(t)	Good size and excellent internal red color. Also has good single center percentage with a nice, firm bulb.



## Hybrid Whites

Variety	Relative Days	Bulb Shape	Grade Size	Skin Color	Storage Potential	Disease	Features
<b>Montblanc (Int)</b>	Early Season	Globe		White		FBR(r), PRR(ir)	An early season variety with excellent packout potential. Good scale cover and this onion is bolt tolerant.
<b>Sierra Blanca (Int)</b>	95	Globe	Jumbo Colossal	White	Short	PRR(r)	Very early with good size and uniformity. Excellent onion to open up with. Excellent quality.
<b>Mt Whitney (LD)</b>	105-110	Globe	Jumbo	White		PRR(t)	High percentage of single centers. This onion has brilliant white scale, is a high yielder and very adaptable.
<b>White Cloud (LD)</b> <b>NEW</b>	115	Tall Globe	Jumbo Colossal	White	Mid	PRR(t), FBR(t), B(t)	Vigorous tops and strong roots make it extremely productive. A brilliant white color with a globe shape.
<b>Silverado (LD)</b>	115-118	Globe	Jumbo	White	Mid	PRR(ir)	Impressive early white bulb with excellent size, shape and yield potential.
<b>Silver Princess (LD)</b>	118	Globe	Jumbo	White	Long	PRR(ir)	Brilliant white color gives this variety an advantage. This new introduction has shown excellent potential in our trials.
<b>2033 (LD)</b>	118	Globe	Jumbo	White	Mid	PRR(ir)	This early white onion has looked good in trials. Excellent size and shape. High yield potential.

Please See Price List For Additional Varieties Which May Be Available

(Int) = Intermediate

(LD) = Long Day

(SD) = Short Day

Logan-Zenner Seeds, Inc.

# ONIONS (Cont.)

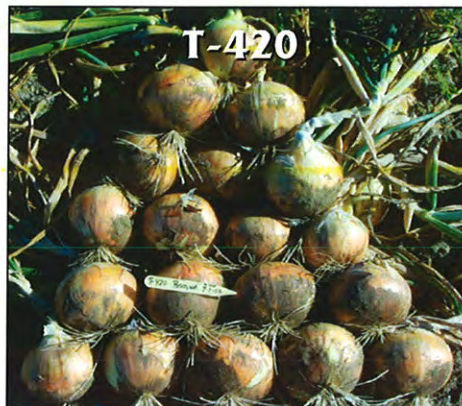
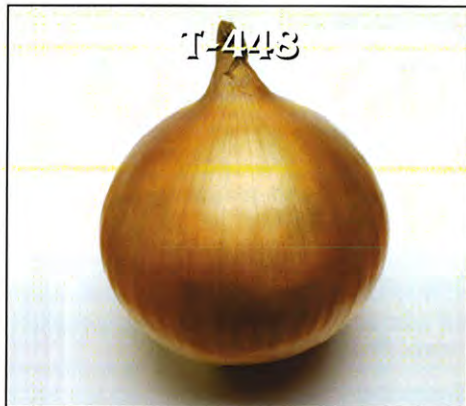
## Hybrid Whites

Variety	Relative Days	Bulb Shape	Grade Size	Skin Color	Storage Potential	Disease	Features
<b>Bello Blanco</b> XON 670W (LD) <b>NEW</b>	118-125	Globe	Large	White Jumbo		PRR(t), FBR(t)	Bello Blanco has good firmness and good skin retention. This variety is competitive, grower friendly with single centers.
<b>Brundage</b> OLWS 8303 (LD) <b>NEW</b>	125	Tall Globe	Jumbo Colossal	White	Mid	PRR(t), FBR(t), B(t)	Produces a taller globe shape onion and has an erect top. Cuts high single centers.
<b>Sterling</b> (LD)	120	Globe	Jumbo Colossal	White	Mid	FBR(ir), PRR(ir)	Very classy white onion with exceptional color. Widely adaptable with mid-term storage potential.
<b>Glacier Max</b> (LD)	125	Globe	Jumbo	White	Long		This jumbo long day onion shows minimal greening with good skin retention. Has done well in our block trials.
<b>1710</b> (LD)	125	Globe	Medium Jumbo	White	Long		A long day white with good skin retention. Another variety that has looked good in trials.
<b>White Castle</b> 2103 (SD) <b>NEW</b>	170-175	Globe	Jumbo	White	Short/Mid	PRR(ht), FBR(ht), B(t)	An eye catching white scale that makes you take note of this brilliant white main to late season short day onion.

(Int) = Intermediate

(LD) = Long Day

(SD) = Short Day



## Overwinter Types

Variety	Relative Days	Bulb Shape	Grade Size	Skin Color	Storage Potential	Disease	Features
<b>T-448</b>	July/ August	Globe	Jumbo Colossal	Deep Bronze	Short		Attractive new introduction from Takii with good uniformity, size and yield potential.
<b>T-420</b>	July/ August	Globe	Jumbo Colossal	Dark Brown	Short		A new colossal type onion from Takii. Very large. Excellent size and yield potential.
<b>Hi-Keeper</b>	July/ August	Globe	Jumbo	Golden Brown	Short	DM, Botrytis(t)	Excellent over-winter choice in many locations. This is the standard in the Onion Industry.
<b>Walla Walla Sweet</b>	July/ August	Globe	Jumbo	Medium Dark	Short		This juicy sweet onion is a favorite choice. Widely adapted and grown throughout the Northwest.

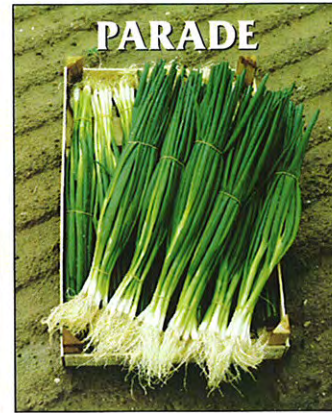
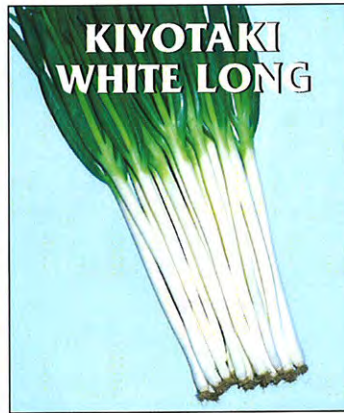
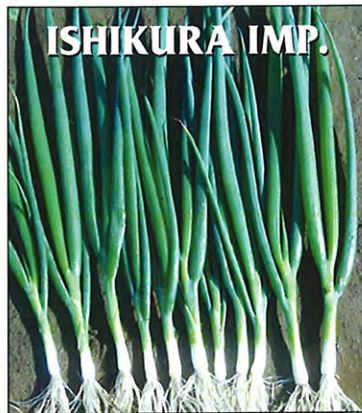
Short-term storage = 1-2 months

Mid-term storage = 3-4 months

Long-term storage = 5+ months

Please See Price List For Additional Varieties Which May Be Available

## ONIONS (Cont.)



### Onions - Bunching

Variety	Relative Days	Flag Color	Shank Size	Disease	Features
Green Banner	60	Medium Dark Green	3-4"		Early maturing with excellent quality and yield potential. Upright single stem with medium dark green color.
Feast	64	Deep Green	3-4"		Single stalk type with deep green leaves and long white stem. Heat tolerant for Summer harvest. Does well in close plantings.
Ishikura Improved	66	Medium Dark Green	3-4"		Our most popular bunching onion. Single stemmed stalks with excellent white color. Widely adapted, good shipper. Pungent.
Kiyotaki White Long	75	Dark Green	3-4"		Replaces Kincho. Kiyotaki has excellent quality and yield potential. Single stalk type with upright plant habit. Good for close planting.
Parade	75	Dark Green	3"		A vigorous, upright variety similar to Kincho.

Please See Price List For Additional Varieties Which May Be Available

## PARSLEY

### Parsley

Variety	Relative Days	Leaf Type	Color	Features
Dark Green Italian	65-70	Plain, Flat Moderately Cut	Glossy Dark Green	Wide leaf type with broad, smooth, shiny leaves. More erect and flavorful than Plain Green Italian.
Forest Green	70-75	Triple Curled	Dark Green	A finely cut, uniform and erect variety that is vigorous and holds well in hot weather. Good re-growth after multiple harvests.

Please See Price List For Additional Varieties Which May Be Available

## PARSNIP

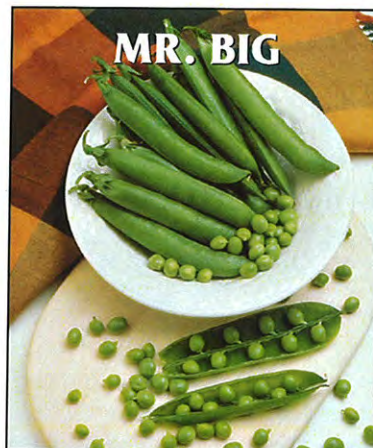
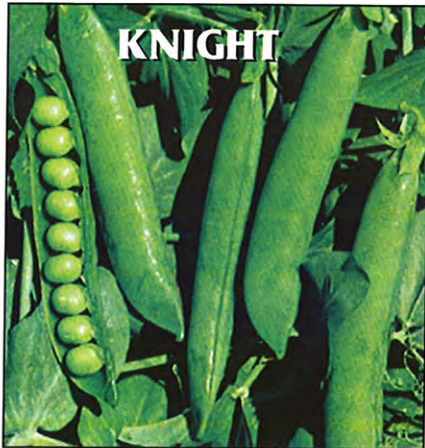
### Parsnip

Variety	Relative Days	Features
Harris Model	120	Smooth skinned, tapered 12" roots with minimum side shoots. White, tender interior.
Albion F1	120	Nicely tapered long white roots similar to Javelin but noticeably whiter skinned. <b>MINIMUM SEED ORDER 250M SEEDS.</b>

Please See Price List For Additional Varieties Which May Be Available



## PEAS



### Peas - Garden (Shelling)

Variety	Relative Days	Vine (Approx)	Peas Per Pod	Pod Size Color	Disease	Features
<b>Knight</b>	58	24"	7-8	4" Dark Green	CW(r), PM(r), PeaMV(r)	Excellent early fresh market pea with high yield potential. Multiple disease package.
<b>Paladio</b>	62	25"	7-8	3.6" Dark Green	FW(1)	Second early, dark green podded type with eight large peas per pod on a compact plant. Fresh market.
<b>Progress #9</b>	62	18"	6-8	4" Dark Green	CW(t)	Standard early fresh market and home garden variety. Produces flavorful large sized peas.
<b>Green Arrow</b>	69	28"	8-9	4" Dark Green	DM, F	A double- podded type with a very dark green pod and a high pea count. Popular for freezer or market.
<b>Mr. Big</b>	70	30"	9-10	5" Dark Green	F-1, PM	AAS Winner! Fresh market pea with 8- 10 large peas per pod. Outstanding yield potential. Fall harvest.

### Peas - Snap (Edible Pod)

Variety	Relative Days	Vine (Approx)	Peas Per Pod	Pod Size Color	Disease	Features
<b>Sugar Sprint</b>	61	26"	NA	3" Green	PM(t)	Sugar Sprint is a stringless variety and averages two pods per node. Pods are medium green, about 3" long.
<b>Sugar Ann</b>	63	24"	NA	2.5-3" Green	PM(r), CW1(r)	Very early and productive, round, fleshy, green to medium green pods.
<b>Super Sugar Snap</b>	66	60"	NA	4" Green	PLRV, PM	Earlier than Sugar Snap with added disease tolerance and larger pod size. Vines average 60".
<b>Sugar Daddy</b>	72	28"	NA	3" Green	PLRV(t), PM(r)	Bears one to two stringless pods per node and offers resistance to Powdery Mildew.

### Peas - Snow (Edible Pod)

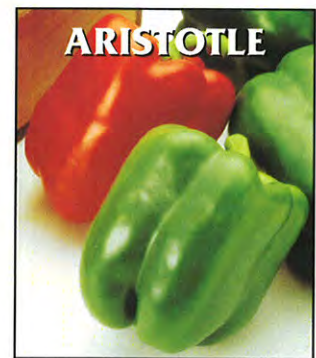
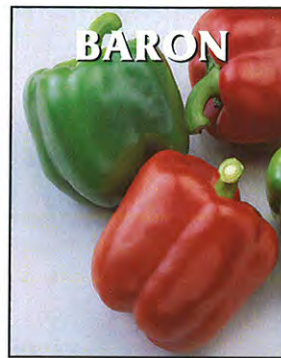
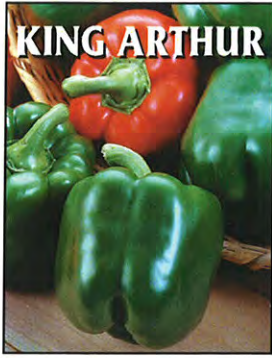
Variety	Relative Days	Vine (Approx)	Peas Per Pod	Pod Size Color	Disease	Features
<b>Sweet Delight</b> <b>NEW</b>	55-57	32"	NA	3.5-3.8" Med Dark Green	FBR(t), PM(r)	A larger edible flat podded variety with a very nice appealing medium dark green color.
<b>Oregon Sugar Pod II</b>	68	30"	NA	4" Light Green	WPSV(t), PM(r)	Mild flavored, mammoth type snow pea, possessing good quality. An Oregon State University release.

### Peas - Southern

Variety	Relative Days	Features
<b>Blackeye #5</b>	75	Large, smooth seed usually eaten fresh but can also be dried or pod can be eaten whole when young. Non-vining. Fusarium and Nematode resistant.

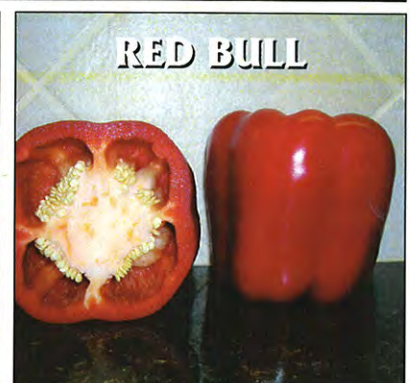
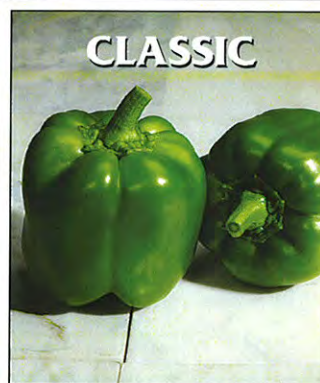
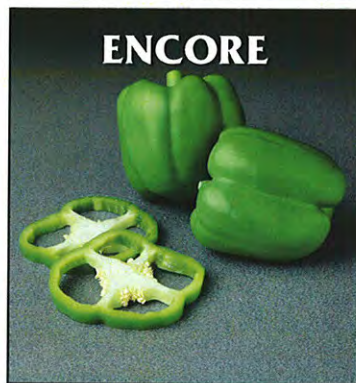
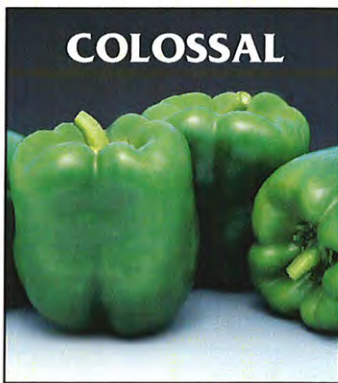
Please See Price List For Additional Varieties Which May Be Available

# PEPPERS - SWEET



## Hybrid Bell Peppers - Green to Red

Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Plant Habit	Disease	Features
King Arthur	65-70 Mid-Early	4.5x4.5"	Blocky Green to Red	Height 20-24"	Tobamo Po(r), TEV(r), BLS(r)2, PVY(r)	Large, blocky fruit, upright habit. Very widely adapted.
Red Knight	65-70 Mid-Early	4.5x5"	Blocky Green to Red	Height 20-24"	BLS(r) 1,2,3, PVY(r)	Mid-early maturing, large, blocky fruit size and very productive.
Baron	70-72 Mid-Season	4x3.5"	Deep Blocky Green to Red	Height 20-22"	Tobamo Po(r)	Dual use - excellent green and red for fresh market and processing.

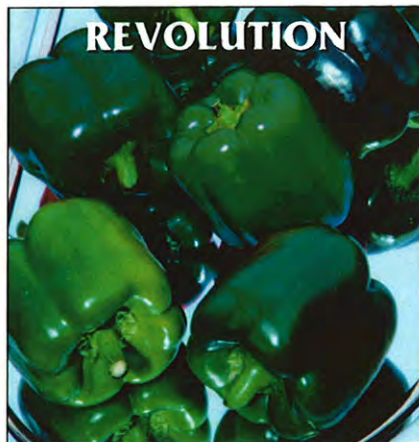
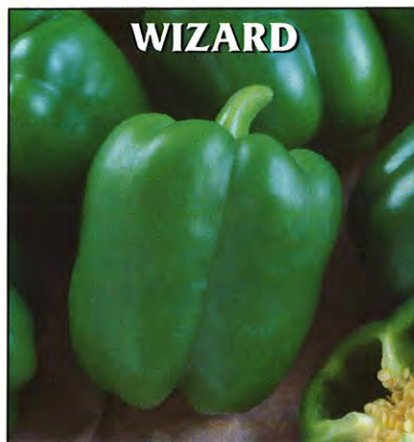


Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Plant Habit	Disease	Features
Brigadier	70-72 Mid-Season	5x4.5"	Deep Blocky Med Dk Grn to Red	Medium Height Erect Plant	BLS(r) 1,2,3, PVY(r)	High yields and large size with added disease resistance.
Paladin	70-72 Mid-Season	4.75x4.5"	Deep Blocky Dark Green to Red	Vigorous Semi-Compact	TMV(r), PHY(t)	High yields. Early harvest of attractive, blocky shaped peppers.
Aristotle	72-74 Mid-Season	5x4.5"	Deep Blocky Dark Green to Red	Very Vigorous 20-24"	BLS(r), 1,2,3, Tobamo Po(r), PVY(r)	Excellent yield potential of thick walled, large sized fruit.
Colossal	72-74 Mid-Season	5x5"	Blocky Med Dk Grn to Red	Medium Height Vigorous		Delivers mostly blocky, extra large fruit all season. A good NW performer.
Encore	72-74 Mid-Season	4.5x4.5"	Blocky Green to Red	Medium Height Good Cover	PVY(r), PeMV(r), Stip(t)	A top performer, Encore's fruit is smooth, with thick walls.
Classic <b>NEW</b>	95	Large	Large Blocky Green to Red	Medium Good Cover	R: BBS 1-3	High yielding with outstanding quality. Thick walls & uniform blocky fruit.
Red Bull <b>NEW</b>	95	Large	Large Blocky Green to Red	Strong Excellent Cover	R: BBS 1-3	Excellent canopies. Strong heavy four lobed sets. Smooth & very thick walled.

Please See Price List For Additional Varieties Which May Be Available

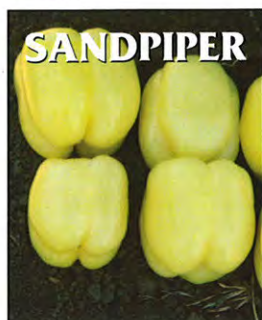


## PEPPERS - SWEET (Cont.)



### Hybrid Bell Peppers - Green to Red

Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Plant Habit	Disease	Features
<b>Wizard</b>	72-74 Mid-Season	4.5x4"	Deep Blocky Green to Red	Vigorous 20-24"	BLS(r)1,2,3, PVY(r), Tobamo Po(r)	Produces large, dark green fruit. Provides excellent yields.
<b>Revolution</b>	72-74 Mid-Season	5x5"	Blocky Green to Red	Vigorous Good Canopy	BLS(r)1,2,3,5, PHY(r), TMV	High concentrated early set for good yield potential. Firm fruit. Strong plant.



### Hybrid Bell Peppers - Mixed Colors

Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Plant Habit	Disease	Features
<b>Ivory</b>	68-70 Mid-Early	4.5x3.5"	Deep Blocky Creamy White	Medium Vigorous	PVY, TMV, Stip	A rich, creamy white, blocky pepper. Ideal for specialty markets.
<b>Chocolate Beauty</b>	68-72 Mid-Early	4x3.5"	Deep Blocky Green to Chocolate	20-24"	Tobamo Po(r)	Mature fruits turn an attractive chocolate color. Very sweet.
<b>Early Sunsation</b>	68-72 Mid-Early	4x4"	Blocky Dk Green to Yellow	18-22"	BLS(r) 1,2,3	Produces large, attractive fruit that turns from dark green to yellow.
<b>Lilac</b>	68-72 Mid-Early	4.5x3.5"	Deep Blocky Ivory-Lavender	Vigorous Good Cover	TMV(r), Stip(t)	Fruit matures from ivory to lavender to crimson. For specialty markets.
<b>Sandpiper</b> <b>NEW</b>	Mid-Season	Blocky	Blocky Blond to Red	Medium Tall Good Cover	R: BBS 1-3	Creamy blond, red at full maturity. Smooth thick walled mainly 4-lobed. Vigorous plant.
<b>Tequila</b>	70-72 Mid-Season	4x3"	Blocky Lilac to Red	Sturdy Compact	TMV	Very attractive lilac color fruit with good production and very sweet flavor.
<b>Admiral</b>	70-72 Mid-Season	4.5x4.5"	Blocky Green to Yellow	Vigorous Good Cover	BLS(r)1,2 PVY(r), TMV(r), Stip(t)	Consistently produces large blocky fruit that matures green to yellow.
<b>Valencia</b>	70-74 Mid-Season	4.5x4.5"	Blocky Green to Orange	Vigorous Good Cover	TMV(r), Stip(t)	Delivers large, attractive orange peppers with consistent pack outs.

Please See Price List For Additional Varieties Which May Be Available

# PEPPERS - SWEET (Cont.)



## Hybrid Bell Peppers - Mixed Colors

Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Plant Habit	Disease	Features
Queen	72-74 Mid-Season	3.75x3.75"	Blocky Green to Orange	Medium Vigorous	TMV	A quality special pepper with sweet flavor. Quick to turn deep orange color.
Aladdin	72-74 Mid-Season	5x4.5"	Deep Blocky Green to Yellow	Good Cover 20-24"	BLS(r)1,2,3, PVY(r), Tobamo Po(r)	Pick immature when dark green or mature, golden yellow stage. Large fruit.
Lafayette	72-74 Mid-Season	4.25x4.25"	Blocky Green to Yellow	Compact Good Cover	BLS(r)1,2,3, PVY(r), PeMV(r)	Provides mostly extra large fruit size when harvested green or yellow.
Tabby	72-76 Mid-Season	4.5x3.75"	Blocky Green to Yellow	Compact 16-17"	BLS(t)1,2,3, PVY(t), TMV(t)	Good skin attachment, thick walls, 4 lobes. Flesh is moist and sweet. Fresh market.



## Hybrid Lamuyo Peppers

Variety	Relative Days (TP)	Fruit LxW	Fruit Color	Plant Habit	Disease	Features
Maccabi	70-74 Mid-Season	Elongated	Green to Red	Vigorous Continuous Set	TEV(r)	Excellent production of quality, large peppers. Widely adaptable.
Mandarin	70-74 Mid-Season	Elongated	Green to Orange	Vigorous Continuous Set	TMV(r), Stip(t)	Elongated orange type with attractive color and very good flavor.
Zarco	72-74 Mid-Season	Elongated	Green to Yellow	Tall Vigorous	TEV, PVY, TMV, Stip	Attractive yellow color. Outstanding yield potential of quality peppers.

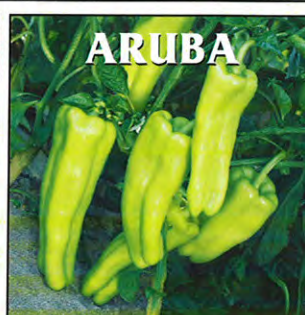
Please See Price List For Additional Varieties Which May Be Available



# PEPPERS - SWEET (Cont.)

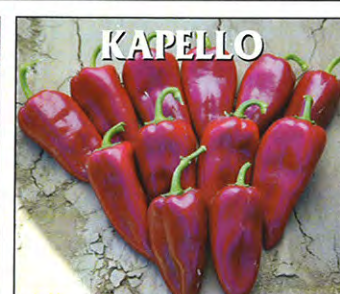
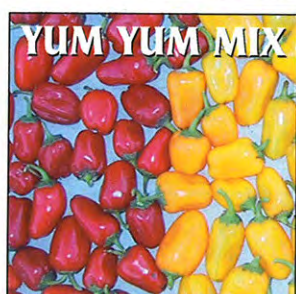
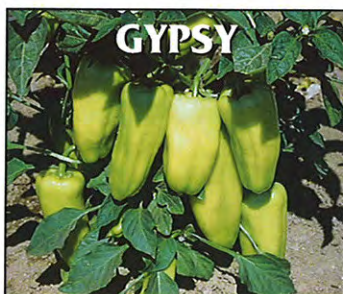
## Sweet Banana Peppers

Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Fruit Color	Disease	Features
Sweet Banana	65-70	6x1.5"	Tapering To A Point	Light Yellow to Orange-Red		Productive. Mainly used for fresh market and roadside stands.
Pageant F1	68-72	8x1.75"	Long, Tapering To A Point	Yellow to Red	BLS(r) 1,2,3	Attractive, smooth, yellow fruit with thick walls. Fresh market or processing.
Ethem F1	75-80	9x2"	Long Cylindrical	Light Yellow to Orange-Red		Hybrid Banana with large fruit size and incredible yields. Excellent quality.



## Sweet Cubanelle Peppers

Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Fruit Color	Disease	Features
Aruba F1	60-65	7.5x2.5"	Slight Taper, Rounded End	Pale Lime Green to Bright-Red		Large smooth fruit with thick walls. Excellent yield potential.
Cubanelle	64-66	5.5x2.5"	Slight Taper, Rounded End	Yellow- Green to Red		Attractive, frying type. Fresh market and home garden.
Key West F1	68-70	7.5x2.5"	Three Lobed Rounded End	Light Green to Red	BLS(r) 1,2,3	The fruit are long, lime green turning red at full maturity. Widely adapted.



## Sweet Specialty Peppers

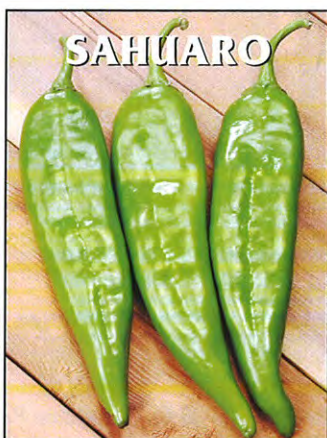
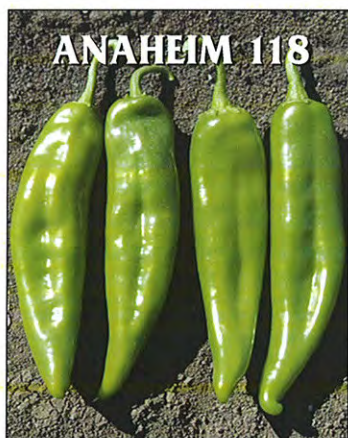
Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Fruit Color	Disease	Features
Yum Yum Mix <b>NEW</b>	55	3-4x1"	Tapered	Light Yellow to Red		A beautiful combination of super sweet baby red & yellow peppers. Gorgeous with great flavor.
Gypsy F1	60-65	4x2.4"	Mostly 3 Lobe, Slight Taper to Blunt End	Light Yellow to Red	TMV(r)	AAS Winner! Early, tasty and very productive. Widely adapted.
Cherry Pick (Cherry)	65-70	1.25x1.25"	Globe Shaped	Green to Red	Tobamo Po	Cherry Pick boasts an outstanding yield of highly uniform fruit. Tall, strong plant.
Kapello <b>NEW</b>	Mid-Season	2x6"	Conical	Green to Red		Extremely sweet with outstanding red color. Size of traditional ancho type. Excellent roaster.
Romanian Sweet	67-70	4x2.5"	Tapering To A Blunt End	Light Yellow to Orange-Red		Attractive plant, flavorful. Fresh market, processing or home garden.
Fushimi Long Green	70-75	5-6" Long	Long Slender	Bright Green		A long sweet Japanese variety. Fruit is slender, bright green and very sweet.
Pimento L	75-80	4.5x3"	Large Heart Shaped	Dark Green to Red		Used for home garden, popular stuffing pepper. Also for processing.

Please See Price List For Additional Varieties Which May Be Available

# PEPPERS - HOT

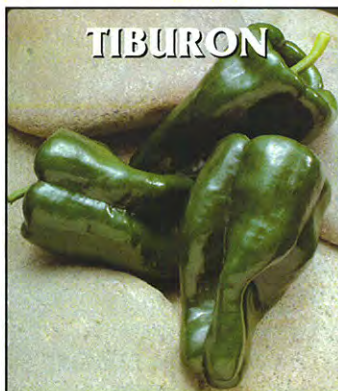
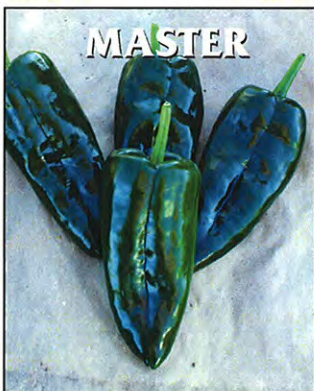
## Hot Peppers - Anaheim Types

Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Fruit Color	Scoville Rating	Disease	Features
Anaheim 118 F1	72-74	8x2"	Primarily Two Lobed Tapered	Green to Red	1,000 to 1,500		Nice long dark green, mostly two lobed fruit. Plant is sturdy with good yield potential.
Sahuaro F1	74-76	8x2"	Flat, Tapered, Long, Smooth	Dark Green to Red	350 to 500	Tobamo Po(r)	Long smooth, tapered, mostly two lobed fruit. Mild pungency. Strong plant.
Cardon F1	74-76	7.5x1.75"	Flat, Tapered, Long, Smooth	Lt Green to Red	350	Tobamo Po(r)	Vigorous plant produces uniform and concentrated sets of large, flat fruit.
G76 <b>NEW</b>	Medium	Large to X-Large	Tapered, Long, Smooth	Lt Green to Red		TMV(r)	Mid-season Anaheim type has large fruit that starts light green and turns red at full maturity.



## Hot Peppers - Hybrid Ancho Types

Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Fruit Color	Scoville Rating	Disease	Features
Sequoia <b>NEW</b>	Early	Large	2-3 Lobules	Green to Red	Mild to Hot	TMV(r)	Ancho type with large uniform shape. Medium tall plant habit. Wide adaptability to elevation.
Masivo <b>NEW</b>	70-75	7-7.5"x3"	Flat Elongated 2-Lobed	Dark Green	1,500 to 4,000	TMV(r)	High percentage of peppers with dark green color. Two smooth veins and uniform shape.
Master <b>NEW</b>	70-75	6.5-7"x4"	Flattened, Tapers To A Blunt End	Dark Green	1,500 to 4,000	Tobamo Po(r)	High percentage of peppers with dark green color. Two smooth veins. Vigorous. Good yield.
Corcel	75-80	6.3x3.1"	Flattened, Tapers To A Blunt End	Dark Green to Chocolate	1,500 to 3,000	Tobamo Po(r)	Traditional Mulato-type that produces high percentage of two lobed fruit on a strong plant.
Tiburón	78-83	5x2.5"	Tapering To A Blunt End	Dark Green to Red	1,000 to 3,000	BS 1,2,3	Produces high yield of attractive, large fruit. Mildly pungent.
Rebelde	78-83	5.5x3.5"	Flattened, Tapers To A Blunt End	Dark Green to Red	1,500 to 3,000	PMV(r), Tobamo Po	Large sizes of smooth dark green fruit. Vigorous with excellent yield potential.



Please See Price List For Additional Varieties Which May Be Available

# PEPPERS - HOT (Cont.)

## Hot Peppers - Banana Types

Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Fruit Color	Scoville Rating	Disease	Features
Inferno F1	60-65	8x1.5"	Smooth, Tapered	Yellow to Red	2,500 to 45,000		Hot banana type. Fresh market and pickling. Very productive and uniform.
Hungarian Yellow Wax Hot	65-73	5.5x1.5"	Smooth, Conical, Tapers To A Point	Yellow to Red	2,000 to 4,000		Productive, fresh market and processing. Widely adapted.

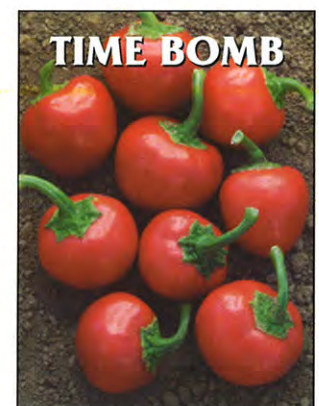
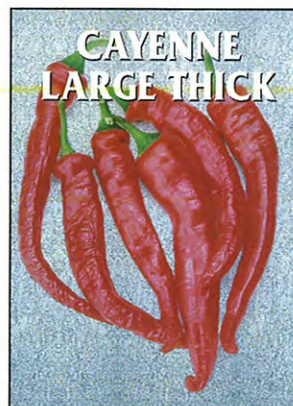


## Hot Peppers - Caribe Types

Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Fruit Color	Scoville Rating	Disease	Features
Rio de Oro F1	70-75	3.5x2"	Large, Conical, Tapered	Yellow to Orange Red	3,000 to 5,000	TMV, Tobamo Po	New Santa Fe Grande type with thick walls, strong plant and heavy fruit set. Quality!
Santa Fe Grande	75-80	3.5x1.5"	Large, Conical, Tapered	Yellow to Orange Red	5,000 to 8,000	Tobamo Po	Very prolific. Continuous setting for extended harvest. Widely adapted.

## Hot Peppers - Cayenne Types

Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Fruit Color	Scoville Rating	Disease	Features
Cheyenne F1	68-80	7.5x.5"	Two Celled, Wrinkled, Long	Green to Red	2,000 to 6,000		Attractive fruit are long & narrow. Can be harvested 10- 14 days early.
Cayenne Large Thick	70-75	7x.75"	Two Celled, Wrinkled, Long	Green to Red	30,000 to 40,000		Productive with pungent fruit. Fresh market and home garden. Works well for drying.
Cayenne Long Slim	70-75	5x.5"	Two Celled, Wrinkled, Long	Green to Red	30,000 to 40,000		A fresh market and home garden variety that produces a pungent fruit.
Mesilla F1	85-90	9-11x1.5"	Two Celled, Wrinkled, Long	Green to Red	2,000 to 4,000	Tobamo Po(r), PVY(r), TEV(r)	A large, extremely productive Cayenne with uniform, pungent fruit.



## Hot Peppers - Cherry Types

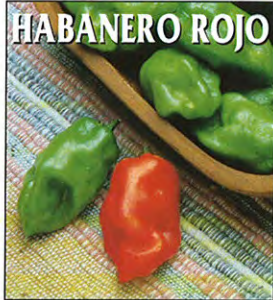
Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Fruit Color	Scoville Rating	Disease	Features
Time Bomb F1	65-70	1.6x1.6"	Globular	Green to Red	2,000 to 4,500	Tobamo Po(r)	A bright- red hot cherry pepper for pickling. Slightly less pungent than Cherry Bomb.

Please See Price List For Additional Varieties Which May Be Available

# PEPPERS - HOT (Cont.)

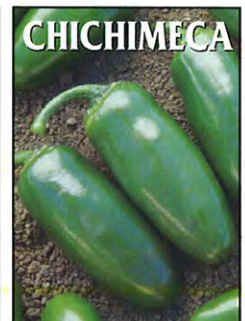
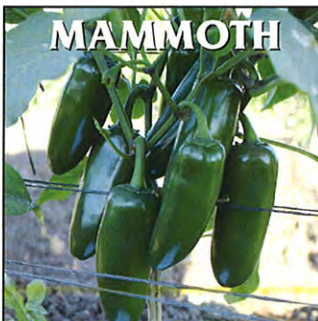
## Hot Peppers - Habanero Types

Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Fruit Color	Scoville Rating	Disease	Features
Habanero	90-100	2x1"	Wrinkled, Tapers To A Point	Green to Orange	200,000 plus		Extremely hot pepper for fresh market or processing.
Habanero Rojo	90-100	2x1"	Wrinkled, Tapers To A Point	Green to Bright Red	300,000 plus		An even hotter strain of Habanero with large, bright red fruit.
Chichen Itza <b>NEW</b>	115-120	6x3cm	Wrinkled, Tapers To A Point	Green to Orange	15,000 to 18,000	Tobamo Po(r)	Early hybrid that matures green to orange. Strong plant and excellent fruit set.



## Hot Peppers - Hybrid Jalapeno

Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Fruit Color	Scoville Rating	Disease	Features
Taos	Early Season	3.5x1.5"	Bullet Shaped	Green to Red	2,500	PVY(r), TMV(r)	Performs well in low night time temperatures. Typically early, suited for red mature harvest.
Valor <b>NEW</b>	60-65	3.5-4"x1.5"	Cylindrical	Dark Green	9,000	BST 1,2,3 (t)	Resistant/tolerant to 3 races of bacterium. High quality, large, with dark green color.
Mammoth <b>NEW</b>	65-70	5"x2"	Cylindrical	Dark Green	2,500 to 5,000	TMV(r), PVY(r)	Huge Jalapeno! Very uniform with dark green color. High yielder and good disease package.
Tajin	70-75	3.8x1.6"	Bullet Shaped	Green to Red	6,000 to 8,000		Concentrated set with large, uniform fruit that have thick walls.



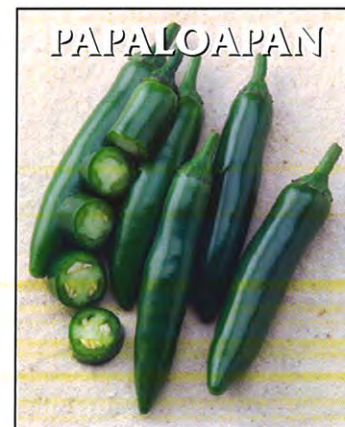
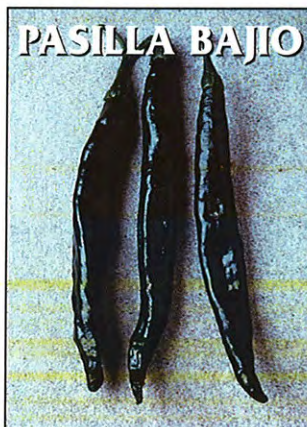
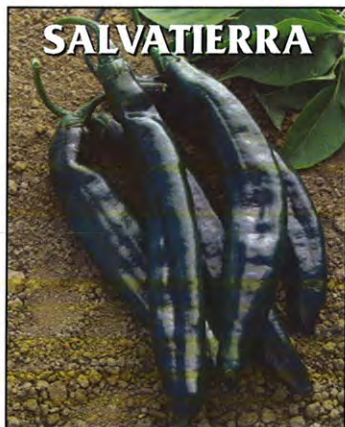
Felicity <b>(No Heat) NEW</b>	75-80	Large 35-45 Grams	Tapered Cylindrical	Green to Red	No Heat		Heatless. Continuous fruit set. High yield potential. Matures green to red. No pungency.
Talon	75-80	4x1.5"	Tapers	Green to Red	3,500 to 6,000	BLS(t)1-3, PeMV, PVY, Po(r), TEV	Excellent disease package with no purpling or checking. Dark green, excellent quality.
El Jefe	Mid-Season	4x1.5"	Tapers	Green to Red	4,000 to 6,000	BLS(t) 1-3, PVY0,1,2, PeMV	El Jefe yields large sizes of dark green, glossy fruit on large plants. Widely adapted.
Grande	75-80	4x1.5"	Tapers	Green to Red	4,000 to 6,000	PVY, P (r), TEV(r)	Large, thick walled fruit. Very productive, large, vigorous plants.
Chichimeca	75-80	4x1.6"	Tapers	Green to Red	5,000 to 6,000	Tobamo Po(r)	Large fruit, thick walls. Strong plant with excellent yield potential. Good uniformity.
Dulce <b>(No Heat)</b>	75-80	3.5x1.3"	Bullet Shaped	Green to Red	No Heat	PVY, Tobamo Po(r)	A Jalapeno with no heat. Ideal for fresh or processing. Has the flavor without the heat.

Please See Price List For Additional Varieties Which May Be Available

# PEPPERS - HOT (Cont.)

## Hot Pepper - Pasilla (Chilaca) Types

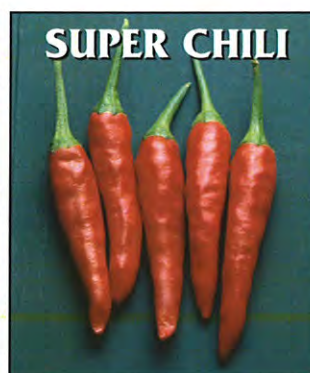
Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Fruit Color	Scoville Rating	Disease	Features
Salvatierra F1	70-75	7.25x1.2"	Elongated Tapering	Dark Green to Brown-Red	600 to 800	PYV, Tobamo Po(r)	Hybrid Pasilla with early maturity and excellent yield potential. Excellent quality.
Pasilla Bajio	75-80	8x1"	Two Celled Long Wrinkled	Dark Green to Brown-Red	500 to 1,500	Tobamo Po	Grown in Mexico for fresh market and dehydration. Used in mole sauces.



## Hot Peppers - Hybrid Serrano

Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Fruit Color	Scoville Rating	Disease	Features
Devil <b>NEW</b>	72-75	3-4"	Typical Cylindrical	Very Dark Green	3,500 to 6,000	TEV(t), PeMV(t), PVY(t)	High pungency and dark green color. Leader in the new range of Serranos.
Papaloapan	75-80	3x.75"	Round, Tapered	Green to Red	4,000 to 5,000	PVY, TEV	Dark green Serrano with excellent fruit set. Quality and uniformity are excellent.

Please See Price List For Additional Varieties Which May Be Available

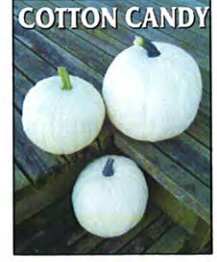
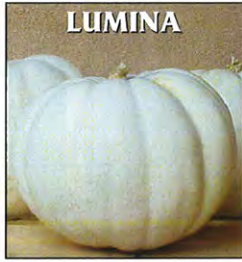
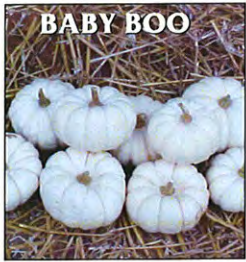


## Hot Peppers - Miscellaneous

Variety	Relative Days (TP)	Fruit LxW	Fruit Conformation	Fruit Color	Scoville Rating	Disease	Features
Hot Portugal	60-65	7x1"	Tapers To A Point	Green to Scarlet	30,000 to 50,000		Sturdy, upright plant. Large, smooth, glossy bright scarlet fruit. Prolific yielder.
Fresno Chile	75-80	3x1.25"	Tapering	Green to Red	10,000 to 15,000	TMV	Vigorous 24" to 36" plant with dark green foliage. Market at green stage.
Super Chili F1	75-80	2.4x.4"	Tapering	Light Green to Red	30,000 to 40,000		Early, productive, used fresh or dried. Great for bedding plant item.
Thai Hot Culinary	75-80	2-3" Long	Tapers, Upright	Green to Red	40,000 plus		Upright clusters 2-3" hot peppers. Beautiful foliage, bears abundantly.

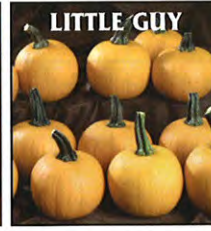
Please See Price List For Additional Varieties Which May Be Available

# PUMPKINS



## Pumpkins - White

Variety	Relative Days	Fruit Size WxH	Fruit Weight	Skin Color Texture	Plant Type	Features
Baby Boo	90	3x2"	.25 lb	White Ribbed	Vine	Pure white Jack Be Little type. Adds color to the mini pumpkin display. Stores well.
Lumina PVP	90	8x10"	10 lbs	White Slightly Ribbed	Vine	White exterior with orange flesh. Excellent for carving or painting.
Crystal Star <small>NEW</small>	100	12x11"	25-30 lbs	White	Vine	New white variety will not turn blue or yellow at maturity. Full vine and large fruit with true pumpkin shape
Valenciano	105	12x8"	8-14 lbs	Snow White Slightly Ribbed	Vine	Brilliant white exterior with thick orange flesh. Novel variety to add to the lineup. Flattened shape.
Cotton Candy	110	7x8"	5-12 lbs	Snow White Slightly Ribbed	Vine	Nice white exterior with sizes ranging from 5- 12 lbs. Excellent for painting. Add it to your program.
New Moon F1	115-120	Extra Large	35-45 lbs	White Slightly Ribbed	Full Vine	Uniform pumpkin with white rind and flesh. Fruit remains firm weeks after harvest.

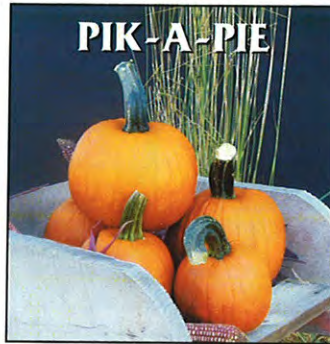


## Pumpkins - Miniature / Specialty

Variety	Relative Days	Fruit Size WxH	Fruit Weight	Skin Color Texture	Plant Type	Features
Lil' Orange Mon <small>NEW</small>	Early	4x2"	1.5 lbs	Dark Orange w/Light Flecking		Dark orange skin with light orange flecking. Long handles. A great new addition to your pumpkin mix.
Lil'Pump-Ke'-Mon F1	90	4x2"	1.5-2 lbs	Orange & White Stripped	Bush	Very unique. Distinctly flattened shape with slight to medium ribbing emphasized by orange stripes.
Jack Be Little (Premium)	95	3x2"	.25 lb	Dark Orange Deep Ribbed	Vine	Miniature, attractive, decorative pumpkin. Flattened shape with strong handle. Stores well.
Munchkin	95	3x2"	.25 lb	Medium Orange Deep Ribbed	Vine	Prolific yielder of decorative fruit. Flattened shape with deep ribs. Miniature decorative pumpkin.
Warts Galore <small>NEW</small>	95	Medium	7.12 lbs	Variable	Semi-Bush	Hard shelled. Many fruits have warts. Very thick walled. Fruit has many colors and color patterns.
Wee-Be-Little	95	3x3"	.5 lb	Deep Orange Smooth	Bush	AAS Winner! Excellent mini pumpkin for carving or painting. Smooth fruit with nice pumpkin shape.
Little Guy	95	3.5x3.75"	1-2 lbs	Orange Slightly Ribbed	Vine	This miniature pumpkin has strong handles with good attachment; high yielder.
Kakai (Non-hulled) <small>NEW</small>	100	Medium Small	5-8 lbs	Orange w/ Black Stripes	Semi-Bush	Large, dark green completely hull-less seeds, which are absolutely delicious roasted.
Stripes & Warts <small>NEW</small>	104	Large	15-20 lbs	White w/ Green Stripes	Semi-Bush	A one of a kind hybrid. Most fruit are warted and have great handles. The fruit color is white with green stripes.
Knucklehead <small>NEW</small>	105	12x10"	16 lbs	Orange Warted	Large Vine	Newest in the "Super Freak" collection. Great warts sure to scare anyone on Halloween.
One Too Many	110	12x12"	20 lbs	White w/ Red Veins	Large Vine	Outstanding potential for decorative use. Fruit are 75% round with 25% oblong. Good mildew tolerance.

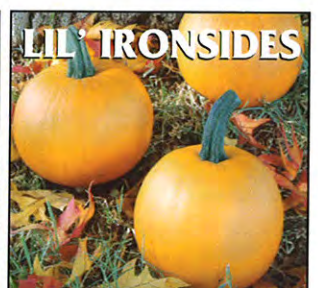
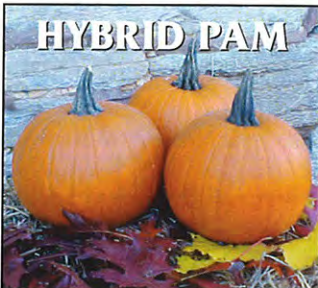
Please See Price List For Additional Varieties Which May Be Available

# PUMPKINS (Cont.)



## Pumpkins - Small / Pie

Variety	Relative Days	Fruit Size WxH	Fruit Weight	Skin Color Texture	Plant Type	Features
<b>Cannon Ball</b> <b>NEW</b>	Main	5x5"	5 lbs	Dark Orange	Vigorous	Uniform fruit with large, firmly rooted handle. Attractive dark orange color. Good yield and a vigorous plant.
<b>Pik-A-Pie</b>	85	6x5"	5-6 lbs	Dark Orange Slightly Ribbed	Semi-Bush	Very attractive pumpkin with dark green handles. Uniform in size with good yield potential.
<b>Spooktacular F1</b>	85	4x6"	3-4 lbs	Orange Smooth Skin	Small Vine	Early, good keeper and excellent for pies or decoration. Good uniformity.
<b>Trickster</b>	90	5x6"	3-3.5 lbs	Deep Orange Slightly Ribbed	Restricted Vine	Deep orange color with good handles. Good yield potential. Beautiful small pumpkin for decorative use.
<b>Hybrid Pam F1</b>	90	7x7"	5-7 lbs	Deep Orange Slightly Ribbed	Restricted Vine	Good yield potential. Long, deep green handles. Nice shape.
<b>Small Sugar/Pie</b>	100	6x7"	5-7 lbs	Dark Orange Slightly Ribbed	Medium Vine	Dual purpose. Popular for pies, canning or decoration.



<b>Orange Smoothie</b>	90	7x7"	5-8 lbs	Dark Orange Smooth Skin	Semi-Bush	AAS Winner. Excellent for painting, carving or pies. Long handles. Nice pumpkin.
<b>Mystic Plus F1</b>	95	8x6"	5-7 lbs	Deep Orange Smooth Skin	Semi-Bush	Slightly flattened shape. Excellent deep orange color. Compact vine. Powdery Mildew tolerant pie pumpkin.
<b>Field Trip F1</b>	95	5x7"	5-7 lbs	Dark Orange Slightly Ribbed	Vine	A perfect school age pumpkin that is flat and ribbed with a long handle, uniform shape and size. Intermediate (r) to PM.
<b>Lil' Ironsides F1</b>	110	6x4"	2-3 lbs	Dark Orange Smooth	Semi-Bush	The size, shape and hard shell make this variety ideal for face painting and ornamental arrangement.
<b>Spookie</b>	110	6x5"	6-9 lbs	Dark Orange Slightly Ribbed	Restricted Vine	Heavy yielder with uniform shape and deep orange color. Fine textured sweet flesh. Great for pies.

Please See Price List For Additional Varieties Which May Be Available

# PUMPKINS (Cont.)

## Pumpkins - Mid Size

Variety	Relative Days	Fruit Size WxH	Fruit Weight	Skin Color Texture	Plant Type	Features
<b>Neon F1</b> (Premium)	70	15x11"	7-8 lbs	Orange Med Ribbed	Semi-Bush	This hybrid has a semi bush plant habit, dark green stem and colors early.
<b>Gold Fever</b>	90	12x14"	12-15 lbs	Dark Orange Med Ribbed	Restricted Vine	High yield potential with good uniformity as well as outstanding handles. Good size for shipping.
<b>Gold Standard F1</b>	90	13x13"	16 lbs	Deep Orange Med Ribbed	Restricted Vine	High yield potential with good handles and deep orange color.
<b>Cinderella</b>	105	15x6"	12-18 lbs	Reddish Orange Deep Ribbed	Full Vine	Attractive decorative pumpkin with deep reddish orange color. Also known as <b>Rouge Vif D' Etampes</b> .
<b>Magician F1</b>	110	10x12"	8-16 lbs	Orange Med Ribbed	Vigorous Semi-Bush	A very attractive round pumpkin with ZYMV and Powdery Mildew tolerance. High yield potential.
<b>Connecticut Field</b>	115	14x12"	15-20 lbs	Orange Ribbed	Large Vine	Great for pumpkin patches. Use for carving or pie pumpkin.



## Pumpkins - Large

Variety	Relative Days	Fruit Size WxH	Fruit Weight	Skin Color Texture	Plant Type	Features
<b>Apollo</b> <span style="color:red">NEW</span>	Early	14x12"	18-32 lbs	Dark Orange Med Ribbed	Semi-Vine	Large Aladdin-type with medium ribbing. An improved handle size and attachment. Good Powdery Mildew resistance.
<b>Aspen F1</b> (Premium)	90	14x12"	16-22 lbs	Rich Orange Slightly Ribbed	Semi-Bush	Uniform, medium to large fruit. Very good yield potential. Nice exterior color with strong handles. Good shipper.
<b>Dependable</b> <span style="color:red">NEW</span>	95	Large	24-28 lbs	Orange	Full Vine	Slightly tall, round pumpkin. Dependable is a large pumpkin with an excellent orange color.
<b>ProGold 510</b>	95	14x16"	22-26 lbs	Deep Orange Deep Ribbed	Full Vine	Deep round to tall fruit with deep orange color. Strong handles. Fruits average 22- 26 lbs each. Nice uniformity.
<b>Magic Wand F1</b>	105	13"x13"	15-25 lbs	Deep Orange Heavily Ribbed	Vine	A medium sized round, slightly flattened pumpkin with large well attached handle. Uniform shape and size. PM(r)
<b>Gold Challenger</b>	105	12x14"	20-22 lbs	Dark Orange Med Ribbed	Semi-Bush	An excellent dark orange pumpkin with good handle attachment. A serious competitor even without PM tolerance.
<b>Gold Medal</b>	105	13x12"	22 lbs	Dark Orange Med Ribbed	Large Vine	Large pumpkin with dark color and great, long handle. Good yield potential.
<b>Phantom F1</b>	105	15x14"	20-25 lbs	Deep Orange Med Ribbed	Full Vine	Howden type with a classic look. Good uniformity and high yield potential. Dark green handles.
<b>20 Karat Gold F1</b>	105	12x16"	20-22 lbs	Dark Orange Med Ribbed	Restricted Vine	A dark orange pumpkin with good handles. A potential option for the shipping market. PM(t)



Please See Price List For Additional Varieties Which May Be Available

# PUMPKINS (Cont.)



<b>Mr Wrinkles</b>	110	10x13"	20-30 lbs	Dark Orange Hvy Ribbed	Vine	The deeply wrinkled skin makes it a unique pumpkin! This barrel shaped pumpkin is a must for your pumpkin patch.
<b>Spartan</b>	112	12x16"	25 lbs	Deep Orange Deep Ribbed	Vine	Eye catching dark color with distinct deep ribs and sturdy handles. PM(r)
<b>Gladiator</b>	115	13x12"	15-25 lbs	Deep Orange Deep Ribbed	Vigorous Semi-Bush	This round fruit has deep orange color and large, well attached handles. Good uniformity for size and shape.
<b>Howden</b>	115	16x13"	20-30 lbs	Deep Orange Deep Ribbed	Full Vine	Hollar's production of this classic pumpkin.
<b>Magic Lantern F1</b>	115	12x16"	16-24 lbs	Dark Orange Med Ribbed	Compact Vine	Slightly upright shape, very dark orange. Heavy crown set and top yield potential. Powdery Mildew tolerant.
<b>Sorcerer F1</b>	115	13x14"	18-25 lbs	Dark Orange Ribbed	Semi-Full Vine	AAS Winner! Excellent uniformity with attractive dark orange color. Strong, dark green handle.
<b>Aladdin F1</b>	115	12x15"	25-45 lbs	Dark Orange Med Ribbed	Vine	Beautiful large- size pumpkin with Powdery Mildew tolerance. Striking dark orange color.
<b>Gold Rush PVP</b>	120	16x12"	20-35 lbs	Deep Orange Med Ribbed	Vine	Large, thick, dark green handles. Vigorous with good yield potential.
<b>Jumpin' Jack F1</b>	120	14x15"	20-40 lbs	Deep Orange Ribbed	Vigorous Vine	Very large, well handled, taller than wide variety with deep orange color.
<b>Fairytale</b>	125	13x8"	25-30 lbs	Buckskin Deep Ribbed	Vine	Not recommended for short season areas. Deeply scalloped. Fruit is buckskinned color at maturity.

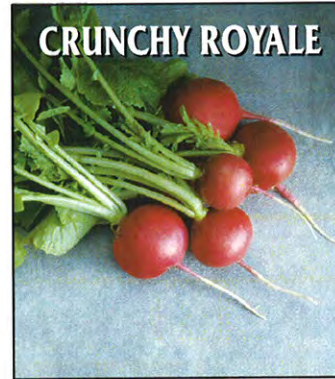
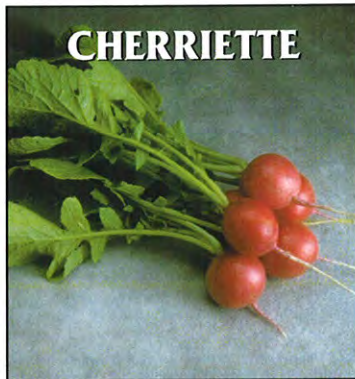
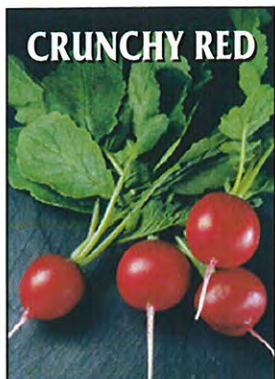


## Pumpkins - Extra Large

Variety	Relative Days	Fruit Size WxH	Fruit Weight	Skin Color Texture	Plant Type	Features
<b>Captain Jack</b> <b>NEW</b>	110	13x15"	30 + lbs	Med Orange, Med Deep Ribs	Large Vine	Extra large pumpkin with thick flesh and flat bottom. Has an extremely large, thick, embedded handle.
<b>Super Herc</b>	115	14x15"	30-40 lbs	Dark Orange Med Ribbed	Large Vine	Strong, full- size vines produce attractive dark orange, uniform fruit. Handles are firmly rooted. PM tolerant.
<b>Big Max</b>	120	Extra Large	30-50 lbs	Orange	Large Vine	Large carving pumpkin.
<b>Dill's Atlantic Giant</b>	120	Variable	100 + lbs	Orange	Large Vine	This is the big one! Potential to be a giant. This one wins the prizes.
<b>Howden Biggie</b>	120	Extra Large	30-50 lbs	Dark Orange	Large Vigorous Vine	Large size, true, attractive pumpkin shape and dark orange color. Ideal for Halloween carving.
<b>Prizewinner</b>	120	Extra Large	100 + lbs	Orange	Large	A very large pumpkin with excellent shape and color.

Please See Price List For Additional Varieties Which May Be Available

# RADISH

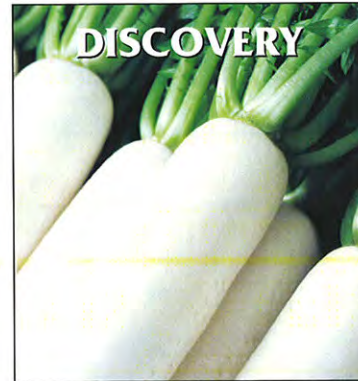
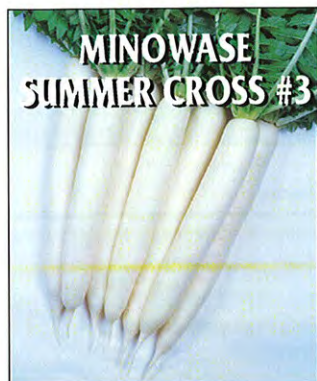


## Hybrid Radish

Variety	Relative Days	Root Shape	Root Color	Tops	Disease	Features
<b>Crunchy Red</b>	23	Round Globe	Dark Red	Medium 4"	RZ(t), P	Produces medium large tops and very uniform, dark red, round roots. Makes size in cool weather.
<b>Cherriette</b>	23	Round Globe	Dark Red	Medium 3.5"		Similar to Crunchy Red but with darker red color and shorter tops. Performs well under warmer conditions.
<b>Crunchy Royale</b>	25	Round	Bright Red	Medium 4"		Excellent uniformity with medium top, very high pack out. Excellent internal and external color and good recovery.

## Open Pollinated Radish

Variety	Relative Days	Root Shape	Root Color	Tops	Disease	Features
<b>Cherry Belle</b>	22	Round Very Smooth	Bright Red	Short		Early variety for bunching and packing, tops remain short for bunching.
<b>Rudolf</b>	22	Round Smooth	Bright Red	Short		Bright red, large round roots with short tops. Vigorous growth habit. Fall and Spring production.
<b>Altaglobe</b>	28	Round Smooth	Cherry Red	Medium		Large, highly uniform, deep cherry red roots with good color retention. Cello and bunching.



## Oriental Radish

Variety	Relative Days	Root Shape	Root Color	Tops	Features
<b>Minowase Summer Cross #3 F1</b>	50	Slightly Tapered	White	Tall	Daikon type. A dependable Summer variety for early Fall harvest. Roots are 15.5x2.75". Takii variety.
<b>April Cross</b>	60	Slightly Tapered	White	Tall	Daikon type. Market leader in extra slow bolting habits. For Spring and Fall harvest. Very late to get pithy. Roots are 12" - 18".
<b>Discovery</b>	60	Slightly Tapered	White	Tall	In the April Cross class, Discovery is slow bolting, has excellent field holding ability and uniform roots. Roots are 15" x 2.75".

Please See Price List For Additional Varieties Which May Be Available

## RUTABAGA

Rutabaga			
Variety	Relative Days	Root Shape Size	Features
American Purple Top	90	Globe 5-6"	A deep purple crown with a yellow base root for fresh market. Prolific greens.
Laurentian	95	Globe 5-6"	Deep purple crown with creamy yellow base provides flesh that is refined in texture and flavor. Used for fresh market and processing.

Please See Price List For Additional Varieties Which May Be Available

## COVER CROP

Cover Crop	
Variety	Features
Austrian Winter Pea	Austrian Winter Peas are a Fall seeded cover crop that can be used for grazing, hay, and green manure plow down. Crops should be planted during the month of September for best stand establishment. Severe fluctuations between warm temperatures and cold exposure will increase Winter kill. Planting rate is approximately 40- 50 pounds per acre when using for green manure.
Buckwheat	Buckwheat is a fast growing Summer crop used primarily for green manure. It is frost sensitive. When used for green manure, buckwheat should be plowed down 7- 10 days after flowering or 30 days after emergence. Buckwheat is hardy, requiring little moisture and will grow in many types of soils. Planting rate is approximately 50 pounds per acre.
Candan 99 Sorgham/Sudangrass	A fast establishing, high-yielding cover crop. Excellent if used for green manure. Will compete tonnage-wise with any sorgham/sudangrass on the market.

Please See Price List For Additional Varieties Which May Be Available

## SPINACH

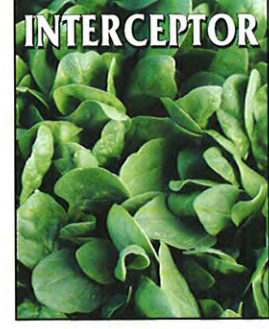
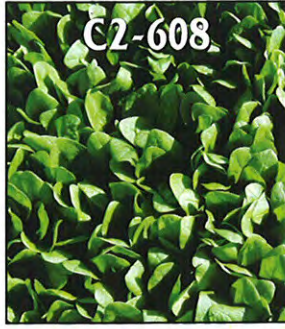
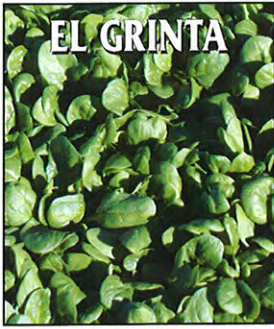


### Hybrid Spinach - Smooth Leaf

Variety	Relative Days	Leaf Type	Leaf Color	Plant Habit	Disease	Features
Avenger	45	Smooth	Deep Green	Erect	DM(r)1-7	Deep green color, suited for Summer planting. Smooth, round leaves with good yield potential.
Falcon	45	Smooth	Dark Green	Upright	DM(r)1-7	Dark green color with smooth leaf texture. Excellent vigor. Suited for Fall harvest. High yield potential.
Mig	45	Smooth	Deep Green	Upright	DM(r)1-7	Smooth, glossy, deep green leaves. Uniform leaf size and shape. Summer and Fall harvest.
Unipack 12	45	Smooth	Deep Green	Erect	DM(r)1-4	A slow bolting, Summer variety that provides uniform maturity and leaf size.
Tigercat	45-47	Smooth	Dark Green	Upright	DM(r)1-7,	Good transition variety that provides uniform round leaves with excellent texture.

Please See Price List For Additional Varieties Which May Be Available

# SPINACH (Cont.)



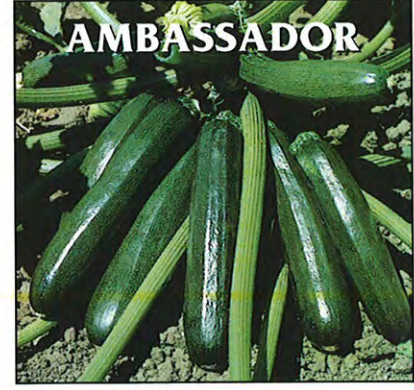
<b>Pelican</b>	47-50	Smooth	Dark Green	Upright	DM(r)1-10	A semi-early hybrid that produces uniform, smooth upright leaves suitable for baby, clip and bunching.
<b>El Grinta</b>	48	Smooth	Dark Green	Upright	DM(r)1-8	A slow bolting smooth leafed variety for the baby, teenage and juvenile spinach harvest.
<b>C2-608</b>	48	Smooth	Dark Green	Upright	DM(r)1-7	A fast growing Spring/Fall only variety that produces strong, smooth, glossy leaves. Very erect plant habit.
<b>Interceptor</b>	50	Smooth	Dark Green	Erect	DM(r)1-7	Exceptional dark green color with smooth, uniform leaf shape. Adapted to warmer growing conditions.
<b>Kauai</b>	Late	Round Smooth	Dark Green	Erect	St(ir)	A late maturing fresh market spinach with a smooth leaf. Very small, round dark leaves.

## Hybrid Spinach - Semi-Savoy

Variety	Relative Days	Leaf Type	Leaf Color	Plant Habit	Disease	Features
<b>Greyhound</b>	45	Semi-Savoy	Dark Green	Erect	DM(r)1-7	Nice erect plant habit with uniform petiole length. Leaves are round.

Please See Price List For Additional Varieties Which May Be Available

# SQUASH - SUMMER



## Squash - Hybrid Green Zucchini

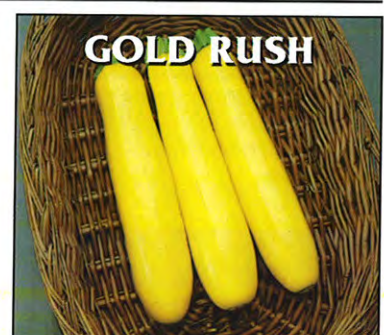
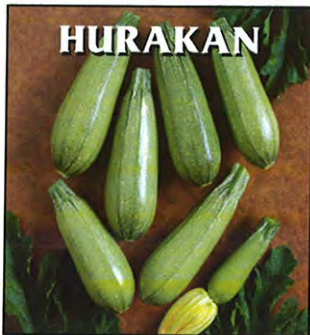
Variety	Relative Days	Color	Fruit Size Shape	Plant Type	Disease	Features
<b>Noche</b>	43	Very Dark Green	7-8" Cylindrical	Open, Nearly Spineless	ZYMV(t), WMV(t)2	A Raven type with added disease tolerance. Excellent quality.
<b>Raven</b>	43	Very Dark Green	7-8" Cylindrical	Open, Nearly Spineless		High yielding. Considered the standard for very dark green zucchinis. Plant is open and nearly spineless.
<b>Green Eclipse</b>	44	Medium Dark Green	7-8" Cylindrical	Open Bush		Early, good quality and easy to pick. Medium dark green variety with good production.
<b>Ambassador</b>	51	Medium Dark Green	7-8" Cylindrical	Compact, Open Bush		High quality, waxy appearance, high yielding and easy picking. A standard for many years.
<b>Blackjack</b>	54	Very Dark Green	7-8" Cylindrical	Upright, Vigorous Good Cover		One of the darkest hybrids on the market, with smooth, cylindrical shape.

Please See Price List For Additional Varieties Which May Be Available

# SQUASH - SUMMER (Cont.)

## Squash - Hybrid Grey Zucchini

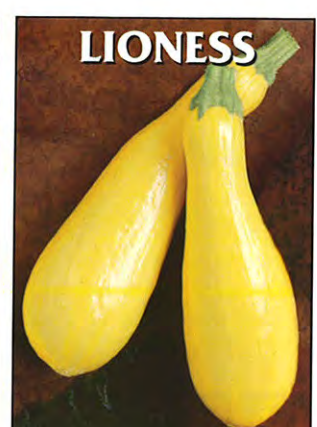
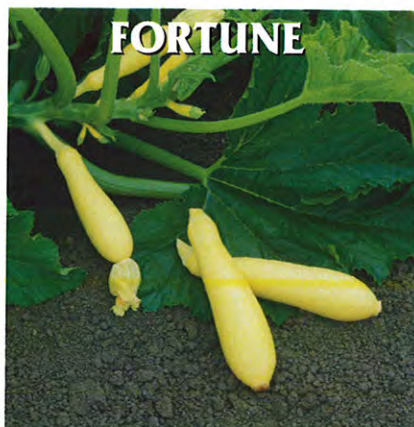
Variety	Relative Days	Color	Fruit Size Shape	Plant Type	Disease	Features
Hurakan	45	Grey Green	6-7" Tapered	Medium Indeterminate	PM, ZYMV	A hybrid variety with true characteristics of a grey zucchini. Exceptional yield and fruit quality.
Terminator	45	Grey Green	6-7" Tapered	Indeterminate	ZYMV, WMV, PRSV	A speckled, medium gray-green fruit that tapers slightly toward the blossom end. Very vigorous plant.



## Squash - Hybrid Yellow Zucchini

Variety	Relative Days	Color	Fruit Size Shape	Plant Type	Disease	Features
Golden Dawn III	46	Deep Golden Yellow	7-8" Cylindrical	Open, Vigorous Upright		This variety offers smooth and straight golden fruit. Open plant habit.
Golden Delight	47	Deep Golden Yellow	7-8" Cylindrical	Open, Vigorous Upright	ZYMV(t), WMV2(t)	This variety produces high quality, very uniform golden-yellow fruit. Semi-spineless.
Golden Arrow (HMX 1717)	48	Golden Yellow	8" Cylindrical	Open	PRSV(r), WMV(r), ZYMV(r)	A precocious yellow, uniform and straight fruit that are golden at maturity; no fruit greening with extended harvest.
Gold Rush	49	Deep Gold Green Stem	7-8" Cylindrical	Upright Open		AAS winner. Gold Rush produces straight, uniform fruit with very smooth, waxy skin.

Please See Price List For Additional Varieties Which May Be Available

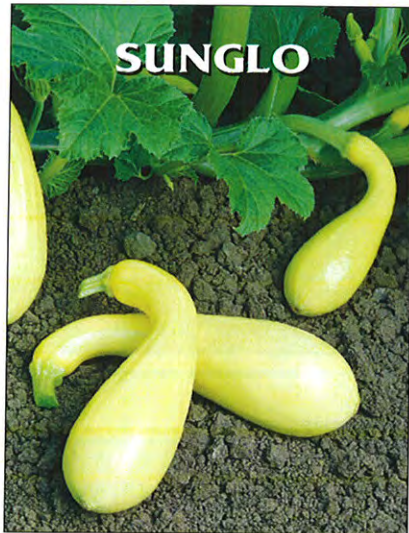


## Squash - Hybrid Straightneck

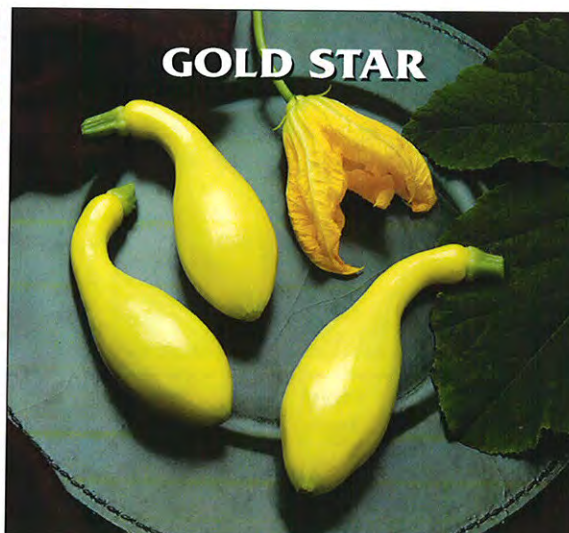
Variety	Relative Days	Color	Fruit Size	Plant Type	Disease	Features
Fortune	39	Precocious Yellow	6-7"	Medium Vigorous		Early maturing straightneck hybrid. Precocious gene allows for early harvest of quality fruit.
Multipik	40	Precocious Yellow	5-6"	Vigorous Upright		High yield smooth, high quality fruit can be picked young for the baby squash market.
Cougar	45	Precocious Yellow	5-6"	Upright	ZYMV(t), WMV1(t), CMV(t), WMV2(t)	Excellent disease package with quality fruit over an extended harvest period.
Lioness	52	Bright Yellow	5-6"	Sturdy Upright	ZYMV(t), WMV1(t), CMV(t), PRSV(t)	Excellent fruit confirmation and yield potential. Traditionally bred tolerant to four viruses.

Please See Price List For Additional Varieties Which May Be Available

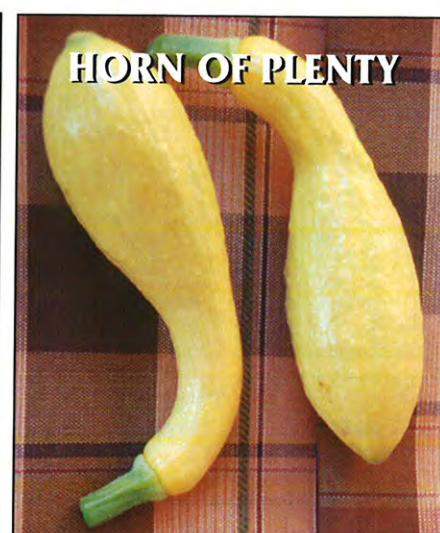
## SQUASH - SUMMER (Cont.)



**SUNGLO**



**GOLD STAR**

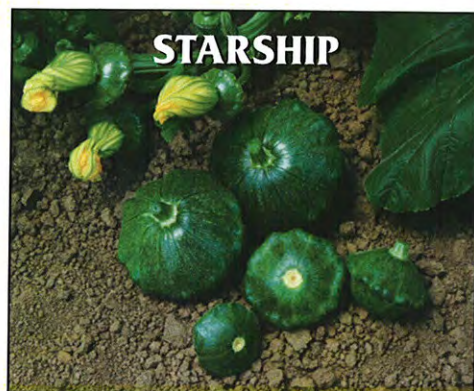


**HORN OF PLENTY**

### Squash - Hybrid Crookneck

Variety	Relative Days	Color	Fruit Size Shape	Plant Type	Disease	Features
Sunglo	40	Yellow	6.5-7"	Open Vigorous	PM(t)	Maintained a crook even in late plantings. Excellent quality and high pack outs.
Gold Star	42	Med Yellow	6-6.5" Semi-Crookneck	Vigorous	CMV, PM(ir)	An improved disease package. Neck is strong with outstanding fruit smoothness and quality.
Horn of Plenty	45	Yellow	8"	Open Habit Vigorous		Glossy smooth fruit. Excellent quality and yield potential. Excellent commercial variety.

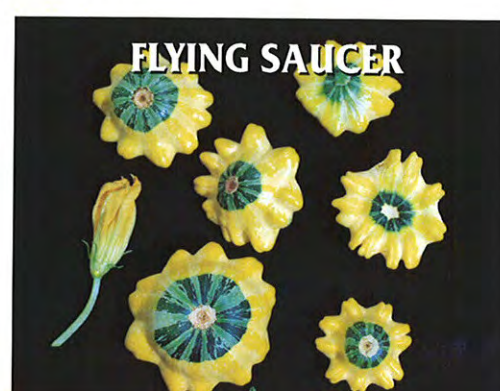
Please See Price List For Additional Varieties Which May Be Available



**STARSHIP**



**SUNBURST**



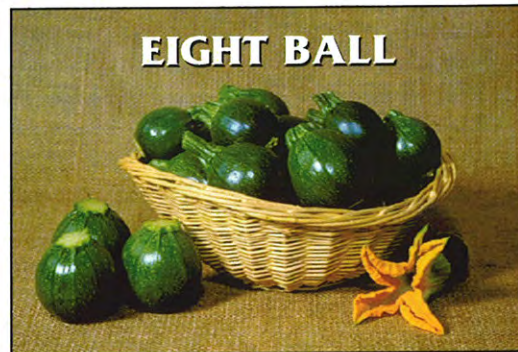
**FLYING SAUCER**

### Squash - Hybrid Specialties

Variety	Relative Days	Color	Fruit Size Shape	Plant Type	Disease	Features
Starship	43	Medium Dark Green	3-4" Diameter	Vigorous Bush		A high quality scalloped squash that maintains its refined shape and glossy color.
Sunburst	50	Bright Deep Yellow	3"	Open Compact		AAS Winner! Deep yellow color. Excellent for full size and baby vegetable markets.
Flying Saucer	50	Bright Yellow Dk Green Ends	2.5-3"	Vigorous Bush		Very unique scallop. Bright yellow with medium green and dark green stripes at the blossom end.
Bennings Green Tint <b>NEW</b>	52	Light Green	2.5-3" Diameter	Medium Bush Open Habit		Light green color, deep scallop shape. Excellent yielder. Similar to Peter Pan.

Please See Price List For Additional Varieties Which May Be Available

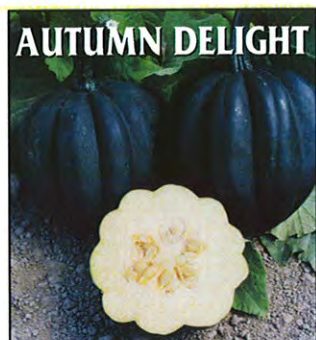
## SQUASH - SUMMER (Cont.)



Variety	Relative Days	Color	Fruit Shape	Plant Type	Disease	Features
Cue Ball	40	Light Green	Round	Bush		Cue Ball is another unique round zucchini from Hollar. Light green in color with excellent yield.
One Ball	40	Golden Yellow	Round	Upright Open	ZYMV(t), WMV(t)	One Ball is a unique round zucchini with a golden color. Excellent companion to Eight Ball.
Eight Ball	42	Dark Green	Round	Vigorous Bush		AAS Winner! A unique round zucchini with dark green color and great taste. Prolific yielder.

Please See Price List For Additional Varieties Which May Be Available

## SQUASH - WINTER

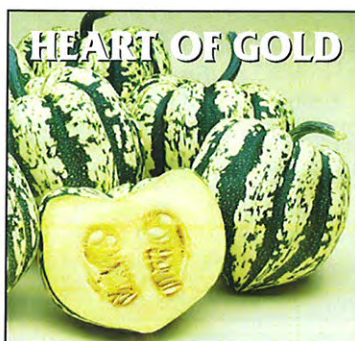
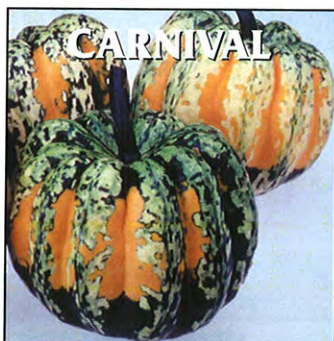
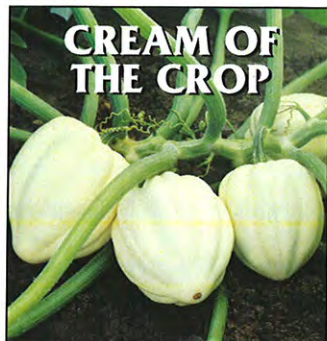


### Squash - Hybrid Acorn Types

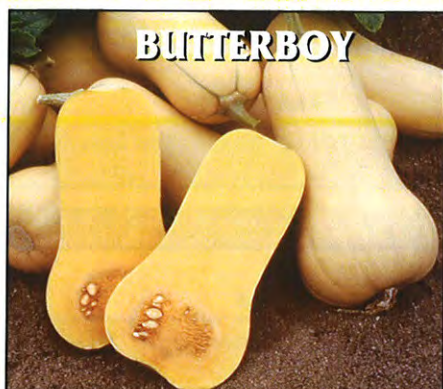
Variety	Relative Days	Fruit Color	Fruit Size Shape	Plant Type	Features
Autumn Delight	70	Dark Green Black	6x6" Acorn	Semi-Bush Compact	A new high quality acorn squash with large, deep ribs, a dark exterior and a rich, butter-colored interior. Powdery Mildew resistant.
Table Ace	70	Dark Green Black	5x6" Full Acorn	Semi-Bush	A standard when it comes to acorn varieties. Very flavorful, with good yields and storage.
Taybelle PM	70	Dark Green	6x5" Acorn	Vine	Early with high market appeal. Fruits are typically larger than Table Ace. Intermediate resistance to Powdery Mildew.
Mesa Queen (Premium)	75	Black	5x4" Acorn	Semi-Bush	Consistent hybrid that holds up well in the field and market. Very subdued ground spot.
Royal Ace PM <b>NEW</b>	85	Dark Green	Acorn	Semi-Bush	Big yields of very high quality acorn squash. The fruit are very uniform for size and shape. Has an attractive dark green flesh.

Please See Price List For Additional Varieties Which May Be Available

## SQUASH - WINTER (Cont.)

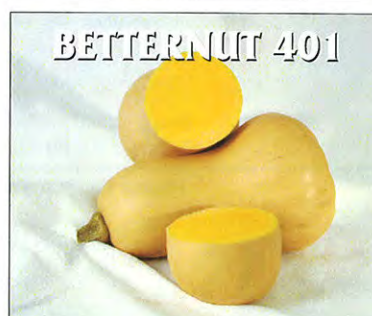


<b>Cream of The Crop</b>	75	Creamy White	6" Acorn	Bush	AAS Winner! Has a creamy white flesh color with a deliciously mild flavor. A favorite.
<b>Carnival</b>	85	Multicolored Patterns	Acorn	Large Semi-Bush	Carnival is an outstanding choice for growers looking to enhance their acorn product line with color.
<b>Heart of Gold</b>	90	Cream White Dk Green Stripes	5.5x4.5" Acorn	Vigorous Semi-Bush	Fruits are cream white with dark green mottled stripes. Attractive colors and great flavor.
<b>Celebration</b>	90	Light Yellow Orange Sutures	4x5" Acorn	Compact Bush	A Powdery Mildew(t) hybrid acorn with gold striping and exceptional eating quality. Excellent for mixed bin displays.



### Squash - Butternut Types

Variety	Relative Days	Fruit Color	Fruit Size Shape	Plant Type	Features
<b>Butterboy F1</b>	80	Buff	10"	Semi-Bush	Very nice interior color. Orange flesh with sweet flavor. Stores well.
<b>Betternut 900</b> <span style="color:red">NEW</span>	80	Lighter Tan	8-9"	Semi-Bush	Winter butternut squash that is 3 pounds, semi-bush. Excellent for boxing. PM tolerant
<b>Betternut 401</b> <span style="color:red">NEW</span>	80	Tan	8-9"	Semi-Bush	This 3 pound fruit matures in 80 days and performs well for growers needing uniformity for a boxed product.
<b>Early Butternut F1</b>	82	Tan	10-12" Midsize	Compact Semi-Bush	AAS winner. High uniformity with excellent yield potential.
<b>Pilgrim F1</b>	85	Tan	9"	Small Semi-Bush	Uniform, butternut hybrid that has shown wide adaptability. Good crack resistance and long term storage ability.
<b>Waltham Butternut</b>	96	Light Tan	10-12" Blocky	Vine	A standard open pollinated butternut. Stores well with a hard tough rind.



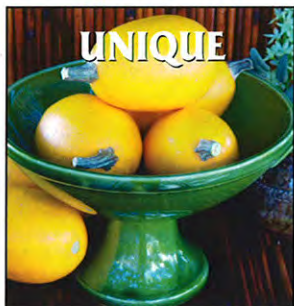
Please See Price List For Additional Varieties Which May Be Available

**Logan-Zenner Seeds, Inc.**

# SQUASH - WINTER (Cont.)

## Squash - Spaghetti Types

Variety	Relative Days	Color	Fruit Size Shape	Plant Type	Features
Unique	85	Deep Yellow Orange	1.3 lbs Oval	Semi Bush	Mini sized for gourmet specialty market. Offers a fresh nutty flavor with good sweetness. Flesh is deep orange with an angel hair texture.
Small Wonder F1	90	Light Orange	6" Oval	Vine	Small Wonder is a single serving vegetable spaghetti. Exceptional productivity and very good shelf life.
Vegetable Spaghetti	115	Pale Yellow	8-10" Cylindrical	Vine	Standard vegetable spaghetti. Flesh resembles spaghetti when cooked. Good keeper.



## Squash - Delicata Types

Variety	Relative Days	Color	Fruit Size Shape	Plant Type	Features
Bush Delicata	100	White With Green Stripes	6-7" Elongated	Bush	AAS Winner! Fine textured flesh with sweet flavor. Good storage and high yield potential.

## Squash - Buttercup Types

Variety	Relative Days	Color	Fruit Size Shape	Plant Type	Features
Buttercup Burgess	110	Dark Green	8-9x5"	Vine	Flesh is dry and sweet. Good storage ability.



## Squash - Hybrid Kabocha Types

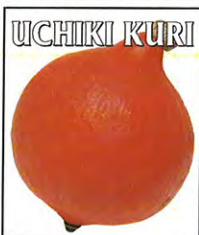
Variety	Relative Days	Color	Fruit Size Shape	Plant Type	Features
Sun Spot	75	Dark Red Orange	6x4" Globe	Vine	A perfect size fruit for today's small household. Flesh is dry and dark orange; an excellent replacement for Gold Nugget.
Speckled Pup	85	Deep Green Red/Or Speckle	1.5 lbs Dp Oblate	Semi Bush	A very prolific squash for commercial, fresh market and export. Has shown some tolerance to ZYMV and PM2.
Sweet Mama	85	Deep Green	7x4" Flat Round	Compact Vine	AAS Winner! Deep yellow flesh. Sweet, nutty flavor. Excellent in Winter squash displays.
Delica	90	Deep Green	8x6" Flat Globe	Vine	The standard when it comes to kabochas. Early with high yields and good storage. Flesh is deep yellow.

Please See Price List For Additional Varieties Which May Be Available

# SQUASH - WINTER (Cont.)

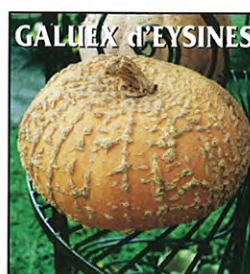
## Squash - Hubbard Types

Variety	Relative Days	Color	Fruit Size Shape	Plant Type	Features
<b>Uchiki Kuri F1</b>	90	Orange Red	7x7" Globular	Vine	Almost smooth, orange-red rind. Creamy yellow, thick flesh, very sweet, nutty flavor. Very good quality. Takii strain.
<b>Blue Kuri</b>	90	Blue-Green	7x7"	Vine	Blue Kuri has a blue-green rind. Very sweet flavor. Blue Kuri is a counter part to Uchiki Kuri.
<b>Blue Magic</b>	90	Blue-Gray	5x7"	Semi-Bush	Miniature hybrid Blue Hubbard. Has true hubbard shape and traditional flavor. Great addition to Winter display.
<b>Blue Hubbard</b>	110	Blue-Gray	7x12"	Vine	A popular hubbard type with thick, fine textured, orange colored flesh. Very sweet flavor.
<b>Golden Hubbard</b>	110	Orange	11x9.5"	Vine	Slightly smaller than most hubbards. Flesh color is deep orange and very tasty. Stores well.
<b>Marblehead</b>	110	Cream w/ Blue Tint	12x15"	Vine	<b>REINTRODUCTION!</b> A favorite in the NW for many years. Very good eating squash that averages 25-40 pounds.



## Squash - Specialty Types

Variety	Relative Days	Color	Fruit Size Shape	Plant Type	Features
<b>Galux d'Eysines</b>	95-100	Pink With Beige Bumps	9-12 lbs	Vine	Raised bumps over skin surface resemble peanuts. French heirloom shaped like a wheel of cheese.
<b>Speckled Hound</b>	95-100	Lt Orange Green Splotches	3-6 lbs Oblate	Open Vine	Winter storage type squash with yellow-orange, thick, dense flesh with high dry matter. Remarkable flavor squash lovers look for. ZYMV(ir)
<b>Sweet Dumpling</b>	100	Cream With Green Stripes	4" Flat Round	Vine	AAS Winner! Colorful acorn shaped fruits. Flesh is bright yellow. Stores well. Excellent eating quality.
<b>Sweet Meat</b>	100	Blue-Green	9x5" Flat Globe	Vine	Great tasting flesh. Good for pies.
<b>Turk's Turban</b>	100	Variegated Red-White Turban	7x8" Turban	Vine	An ornamental and edible squash. Attractive for displays. Keeps well.
<b>Pink Banana Jumbo</b>	105	Pinkish Orange	20" Banana	Vine	Flesh is light orange with distinct sweet flavor.
<b>Red Warty Thing</b>	110	Red	20 lbs Round	Large Vine	A variety from the U.S. seed bank that makes an unusual addition to the decorative market. Good eating hubbard type flesh.
<b>Cushaw Green Stripe</b>	110	Creamy White w/ Green Stripes	8-12 lbs Long, Bulbous	Large Vine	Occasionally referred to as a pumpkin, this fruit has a long neck with a bulbous end. Use for pies and canning.
<b>Cushaw Orange Stripe</b>	110	Creamy White w/ Orange Stripes	8-12 lbs Long, Bulbous	Large Vine	Attractive creamy white with orange stripes. Use for pies and canning. Also good for ornamental use.
<b>Triamble</b>	110-115	Light Sea Green	9-10 lbs Squatty	Vine	A unique and unusual squash that is a squatty, three leaf clover shape with sweet, orange fine-grained flesh.
<b>La Estrella</b>	130	Tan w/ Green Stripes	10-12 lbs Round	Vine	Compact vines with very good production. Fruit are uniform in size with attractive flesh colors. Delicious!



Please See Price List For Additional Varieties Which May Be Available

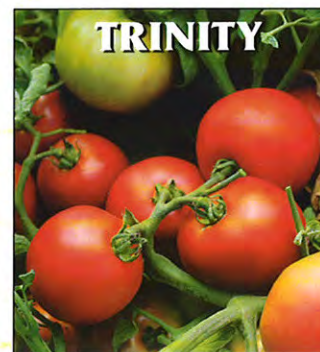
# SWISS CHARD

## Swiss Chard

Variety	Relative Days	Plant Height	Leaf Type	Stem Type	Features
Bright Lights	56	20-25"	Stems of Many Colors	Slightly Savoyed	Taste is milder than ordinary chard, with each color a bit different. Colorful bedding and other possibilities.
Large White Ribbed	60	20-26"	Dark Green, With White Veins	Broad, Smooth White Petioles	A very uniform variety ideal for fresh market. White petioles. Uniform strain.
Rhubarb	60	20-24"	Dark Green, With Red Veins	Crimson, Slightly Flattened	Crimson stalks that resemble rhubarb. Leaves are heavily crumpled, broad and thick.

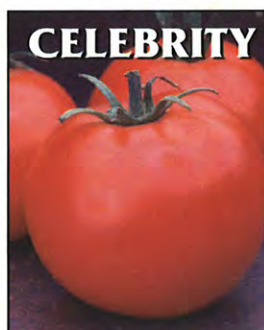
Please See Price List For Additional Varieties Which May Be Available

# TOMATOES



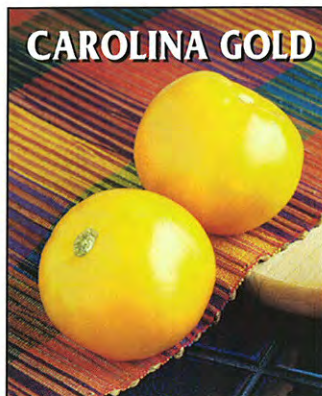
## Hybrid Tomato - Fresh Market

Variety	Relative Days (TP)	Fruit Weight	Fruit Shape	Fruit Shoulder	Plant Habit	Disease	Features
SunShine	65	8 oz	Deep Oblate	Uniform Grn Shoulder	Compact Determinate	ASC(r), F(r)1,2, St(r), V(r)1	First early hybrid with large, smooth and firm fruit.
Mykonos <span style="color:red">NEW</span>	65-70	Large	Deep Oblate	Uniform Grn Shoulder	Determinate	ASC(r), F(r), ToMV 0,2(r), V-1(r)	Vigorous compact plant, high yield. Uniform. Small blossom end scar.
Spitfire	68	8 oz	Globe	Uniform Grn Shoulder	Determinate	ASC(r), F(r)1,2, St(r), V(r)	Dark red, firm, smooth fruit with excellent flavor. Good yielder.
SunChief	68	9 oz	Deep Oblate	Uniform Grn Shoulder	Compact Determinate	ASC(r), F(r)1,2, St(r), V(r)1	A second early that produces extra large fruit with excellent firmness.
Trinity	Medium Maturity	8 oz	Deep Oblate	Uniform Grn Shoulder	Determinate	F(r), Mi(r) TSWV(ir), V(r)	Excellent firmness and taste. A high yielding tomato with good shelf life.
Mountain Spring	70	9 oz	Globe	Uniform Grn Shoulder	Determinate	V1, F1,2, St	Excellent quality fruit tolerant to cracking. Outstanding yields.
Bobcat	71	9 oz	Deep Oblate	Uniform Grn Shoulder	Determinate	V(r)1, F(r)1,2, St(r)	A determinate beef hybrid with good vine cover. Firm with good quality.
Celebrity	72	8 oz	Deep Oblate	Green Shoulder	Determinate	V(r)1, F(r)1,2, N(r), TMV(r), ASC(r), St(r)	Widely adapted. Productive plants yield high quality, large smooth fruit.



Please See Price List For Additional Varieties Which May Be Available

# TOMATOES (Cont.)

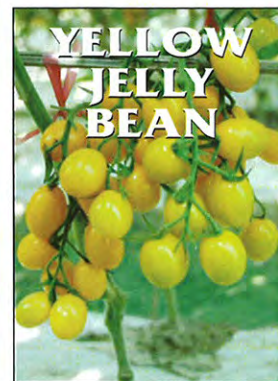
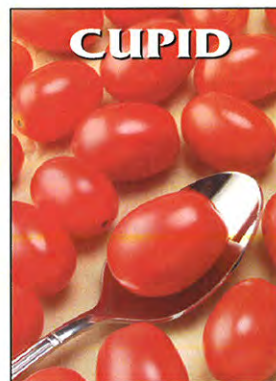
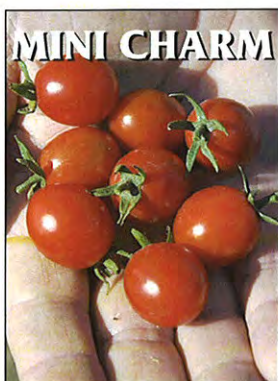


## Hybrid Tomato - Fresh Market

Variety	Relative Days (TP)	Fruit Weight	Fruit Shape	Fruit Shoulder	Plant Habit	Disease	Features
<b>Gold Rush</b> <small>NEW</small>	58	4.5-6.5 oz	Deep Oblate	Uniform Grn Shoulder	Determinate		Yellow round slicer. Low acid content with subtle flavor that will be a hit.
<b>Carolina Gold</b>	75	9 oz	Deep Oblate	Uniform Grn Shoulder	Determinate	V(r)1, F(r)1,2	Produces large, smooth fruit with yellow-gold color. Excellent yielder.
<b>QualiT 23</b>	75	8 oz	Deep Globe	Uniform Grn Shoulder	Determinate	V(r)1, F(r)1,2, TMV(r), St(t)	Excellent quality with uniform fruit size and shape. Excellent firmness.
<b>Biltmore</b>	76	9 oz	Large Globe	Uniform Grn Shoulder	Determinate	V(r)1, F(r)1,2, St(r), ASC(r)	Sturdy plant habit. Prolific with many fruit over twelve ounces.

## Hybrid Tomato - Cherry

Variety	Relative Days (TP)	Fruit Weight	Fruit Shape	Fruit Color	Plant Habit	Disease	Features
<b>Sun Gold</b>	57	8-10 gr	Globe	Tangerine Orange	Indeterminate	F(t), TMV(t)	Vigorous plant yields all the season. Splitting tendency; fresh market.
<b>Mini Charm</b>	66	7-10 gr	Globe	Red	Strong Indeterminate	TMV(t), V(t), F(t)1,2	Very popular variety with high sugar content and good shelf life.

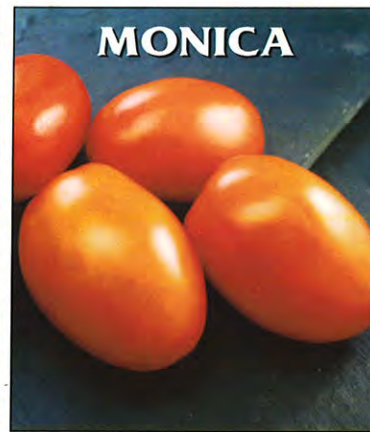
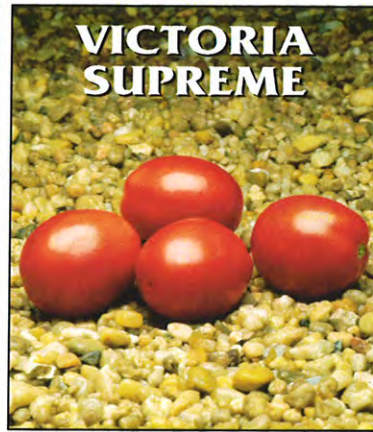
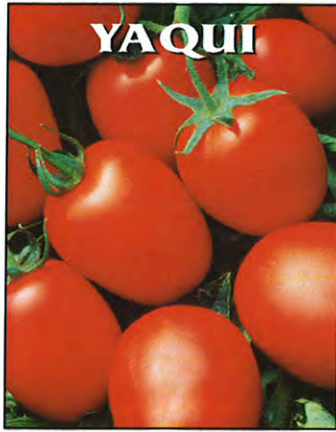


## Hybrid Tomato - Grape

Variety	Relative Days (TP)	Fruit Weight	Fruit Shape	Fruit Color	Plant Habit	Disease	Features
<b>Sweet Heart</b>	60-68	7-9 gr	Oval Grape	Red	Indeterminate	Cf(A-E)(t), F1(t) TMV(t)	Excellent flavor & shelf life, high brix, crack resistant, continuous set.
<b>Cupid</b>	70	9-12 gr	Oblong Grape	Red	Indeterminate	ASC(r), F(r)1, St	Outstanding sweet flavor. Fruits are firm with good shelf life. High sugars.
<b>Yellow Jelly Bean</b>	72	8-15 gr	Oblong Grape	Yellow	Indeterminate	V(t), F(t)1,2, ASC(t), St(t)	Very prolific with true yellow color and extended harvest. Great flavor.

Please See Price List For Additional Varieties Which May Be Available

# TOMATOES (Cont.)

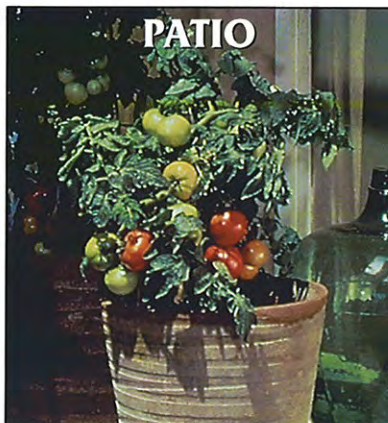


## Hybrid Tomato - Saladette (Roma)

Variety	Relative Days (TP)	Fruit Weight	Fruit Shape	Fruit Shoulder	Plant Habit	Disease	Features
Yaqui	75	3-3.7 oz	Blocky	Uniform Grn Shoulder	Med-Large Determinate	ASC(r), F(r)1,2, N(r), St(r), V(r)1	Large sizes and very productive. A larger fruited variety.
Victoria Supreme	75	3-3.7 oz	Blocky	Uniform Grn Shoulder	Med-Large Determinate	ASC(r), F(r)1,2, N(r), St(r), V(r)1	Good heat tolerance, capable of very high yields and large fruit sizes.
Monica	75	3-3.5 oz	Blocky	Uniform Grn Shoulder	Medium Determinate	ASC(r), F(r)1,2, N(r), St(r), V(r)1	Widely adapted, has consistently produced yields of large fruit.
Golden Rave	75	1.5-2 oz	Blocky	Uniform Grn Shoulder	Indeterminate	F(r), ToMV(r)	A mid-early variety roma with distinct color, flavor, size and shape. Excellent fruit set.

## Tomatillo (Husk Tomato)

Variety	Relative Days (TP)	Fruit Weight	Fruit Shape	Plant Habit	Features
Toma Verde	60	2-3 oz	Globe	Large Plant	An early maturing variety with large, flat-round green fruit used in salsa or Mexican cooking.
Gigante Verde			Round	Large Bush	A large plant that produces large fruit with good green color and heavy yields. The tasty fruit are very uniform.

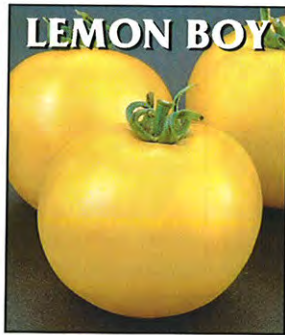


## Hybrid Tomato - Bedding Plant / Home Garden

Variety	Relative Days (TP)	Fruit Weight	Fruit Shape	Fruit Shoulder	Plant Habit	Disease	
Early Girl	55	5 oz	Globe	Green Shoulder	Indeterminate	V(r)	
Popular home garden/bedding plant variety known for its fine flavor and good yield. The plants are vigorous and continue to produce beautiful red fruit the whole season.							
Patio	70	4 oz	Deep Oblate	Green Shoulder	Dwarf	ASC(r), F(r)1, St	
This bush type plant is dwarfed and compact; excellent for containers and home garden sales. The tomato has wonderful flavor.							

Please See Price List For Additional Varieties Which May Be Available

## TOMATOES (Cont.)



### Hybrid Tomato - Bedding Plant / Home Garden

Variety	Relative Days (TP)	Fruit Weight	Fruit Shape	Fruit Shoulder	Plant Habit	Disease	Features
Super Sweet 100	70	1 oz	Cherry	Green Shoulder	Indeterminate	TMV(r), F(r), V(r)	Popular cherry variety with very sweet flavor. Yields over an extended period.
Lemon Boy	72	8 oz	Deep Globe	Green Shoulder	Indeterminate	ASC(r), F(r)1, V(r)1, N, St	Lemon colored flesh, sweet, juicy and unique. Excellent slicing tomato.
Big Beef	73	10 oz	Deep Globe	Green Shoulder	Indeterminate	ASC(r), F(r)1,2, V(r)1, N, St, TMV(r)	AAS Winner! Large sized fruit with excellent flavor. Great for bedding plants.
Better Boy	75	8 oz	Deep Globe	Green Shoulder	Indeterminate	ASC(r), F(r)1, V(r), St, N	Widely adapted. Very popular bedding plant and home garden variety.
Burpee's Big Boy	78	9 oz	Deep Globe	Green Shoulder	Indeterminate		Popular bedding plant/home garden variety. Large smooth. Good yields.

### Tomato - Heirloom

Variety	Relative Days (TP)	Fruit Weight	Fruit Shape	Plant Habit	Disease	Features
Cherokee Purple	72	10-12 oz	Oblate	Compact Indeterminate		Relatively short, indeterminate vines with purple, black, red and brown flesh color. Very flavorful.
Brandywine (Red) <b>NEW</b>	78	16 oz	Oblate	Indeterminate		Considered to be the best tasting.
Brandywine (Pink)	80	8-16 oz	Oblate	Indeterminate		An old-timer prized for its incredible flavor. Medium to large sized fruit on an indeterminate vine.
Brandywine (Yellow)	80	Large	Oblate	Indeterminate		Indeterminate, fuzzy tomato leaf vine with large sized fruit that can weigh up to two pounds. Excellent flavor.

For a Large Selection of Open Pollinated Tomatoes Please See Price List



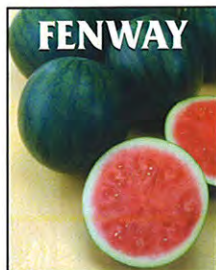
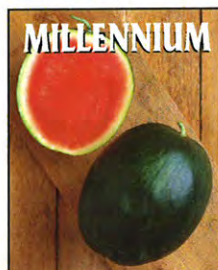
## TURNIP

### Turnip

Variety	Relative Days	Leaf	Root	Skin Color	Features
Tokyo Cross F1	35	Green	2-5" Globe	White	An AAS Winner! Very early with perfectly smooth globe shape.
Purple Top White Globe	45	Green	Globe	White with Purplish Top	Root is fine grained, white globe and purple shoulders. Standard shipping variety.

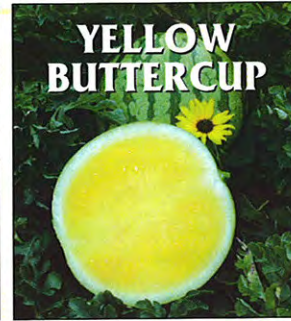
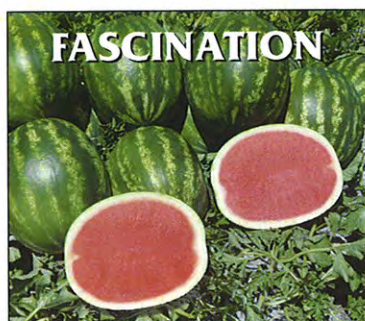
Please See Price List For Additional Varieties Which May Be Available

# WATERMELON

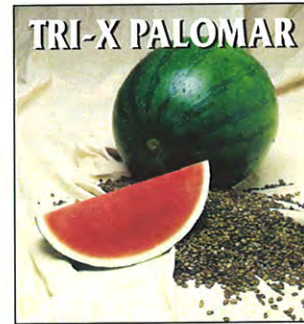
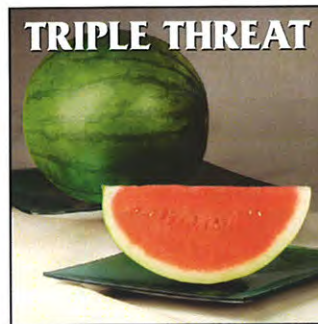
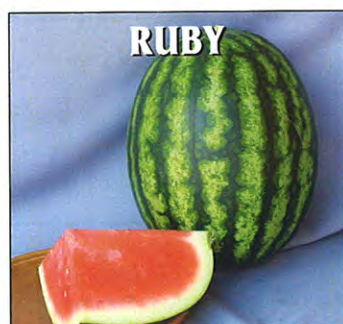


## Hybrid Triploid Watermelon

Variety	Relative Days (TP)	Size	Shape	Rind Pattern	Flesh Color	Disease	Features
Millennium	Early	16-20 lbs	Blocky	Dark Green	Deep Red		Excellent eating quality, superior flesh color and strong vine that protects from sunburn.
Fenway	80	12-16 lbs	Round	Dark Green with Dark Green Stripes	Very Dark Red		Widely adapted seedless. Dark red flesh with excellent crispness and sugars.
Imagination	80	12-15 lbs	Round	Glossy Dark Green-Black	Deep Red		A true Sugar Baby seedless with a sweet, crisp, mouth watering flesh. Widely adapted.
Savion	80-82	15-20 lbs	Round	Dark Green with Dark Green Stripes	Deep Red		A concentrated set provides a high yield of deep red flesh and high brix fruit.
Butterball	82	12-15 lbs	Globe	Light Green with Dark Green Stripes	Bright Yellow	F(t)	Flesh is very sweet, crispy and firm. Good shipper. Sunburn tolerant. Excellent quality.



Variety	Relative Days (TP)	Size	Shape	Rind Pattern	Flesh Color	Disease	Features
Fascination <b>NEW</b>	83	16-20 lbs	Blocky	Rich Green With Medium Crimson Stripes	Dark Red		Large seedless hybrid with a classy rind appearance. Firm red flesh and very small pips.
Crisp N' Sweet	85	16-20 lbs	Oval	Light Green with Medium Green Stripes	Deep Red		Excellent uniformity and internal quality with high yield potential. Widely adapted.
Gypsy	85	13-17 lbs	Blocky	Medium Green with Dark Green Stripes	Vivid Red		Early maturity with broad adaptability and vivid red interior. Very nice interior quality.
Yellow Buttercup <b>NEW</b>	90	14-16 lbs	Round Oval	Medium Green With Dark Green Stripes	Bright Yellow		Crisp texture with great eating quality makes this a must for your growing schedule.
Orange Crisp <b>NEW</b>	92	14-18 lbs	Round Oval	Light. Green With Dark Green Stripes	Vibrant Orange		Improved vibrant orange flesh color, which is crisp. Hold better. Tough sunburn resistant rind.

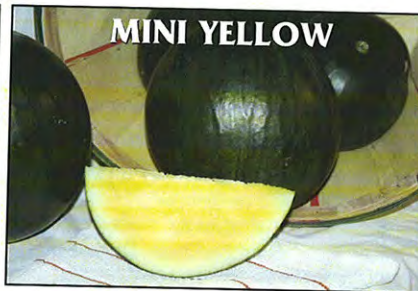


Please See Price List For Additional Varieties Which May Be Available

# WATERMELON (Cont.)

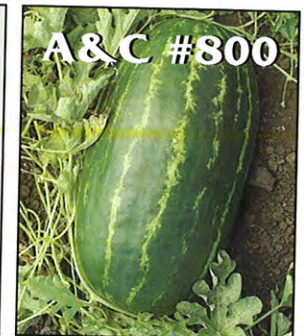
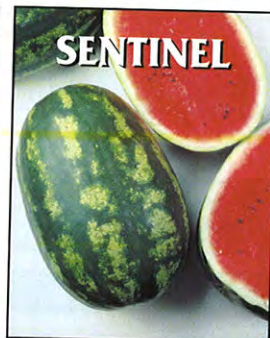
## Hybrid Triploid Watermelon

Variety	Relative Days (TP)	Size	Shape	Rind Pattern	Flesh Color	Disease	Features
Ruby	85	14-17 lbs	Round Oval	Medium Green with Dark Green Stripes	Bright Red	F(t), A(t)	Very distinctive dark green stripe pattern. Flesh is very crisp. Brix were 12.2 in our trials.
Tri-X® Brand 313	85	15-18 lbs	Oval	Light Green with Medium Dark Green Stripes	Red		Tri-X® 313 has firm texture and crispy flesh. Excellent shipper with good eating quality.
Tri-X® Brand Triple Threat	85	13-16 lbs	Globe	Medium Green with Dark Green Stripes	Bright Red		A smaller version of Tri-X Palomar with improved red flesh and reduced white seed ct.
Tri-X® Brand Palomar	86	15-18 lbs	Round	Medium Dark Green with Dark Green Stripes	Bright Red		Unique rind pattern. Bright red, firm, crisp flesh. Good seedling vigor. Excellent quality.
Sweet Delight	88	18-21 lbs	Oval	Light Green with Medium Dark Green Stripes	Bright Red		Sweet Delight is similar to Tri-X 313 in appearance but approximately 2-3 lbs larger.



## Hybrid Triploid Watermelon - Mini Fruited

Variety	Relative Days (TP)	Size	Shape	Rind Pattern	Flesh Color	Disease	Features
Petite Treat	80	5-7 lbs	Oval	Light Green with Thin Dark Green Stripes	Deep Red		Excellent flavor and high yield potential with a Jubilee rind pattern. Flesh is crisp & sweet.
Mini Yellow	85	5-7 lbs	Round	Dark Green	Bright Yellow	F(t), A(t)	Unique personal size melon with crisp yellow flesh and dark green rind. High brix.
Solitaire	85	5-7 lbs	Round	Dark Green with Lighter Green Stripes	Deep Red		The flesh is deep red in color, fine grained and sweet. The rind is thin and firm.
Extazy	85	5-7 lbs	Round	Dark Green with Lighter Green Stripes	Deep Red		<b>REINTRODUCTION!</b> Preferred size for individual serving. Deep red color with sweet, crisp flesh.

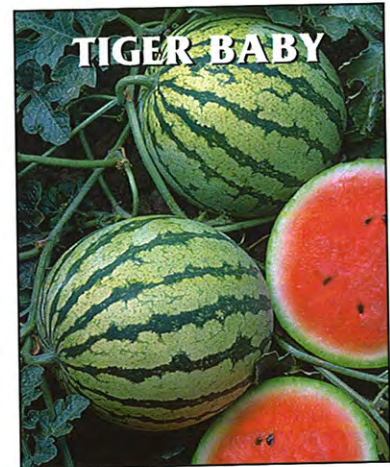
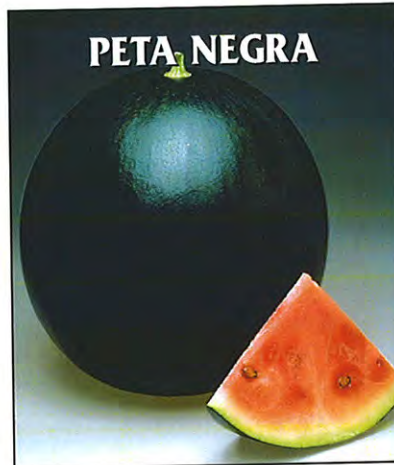
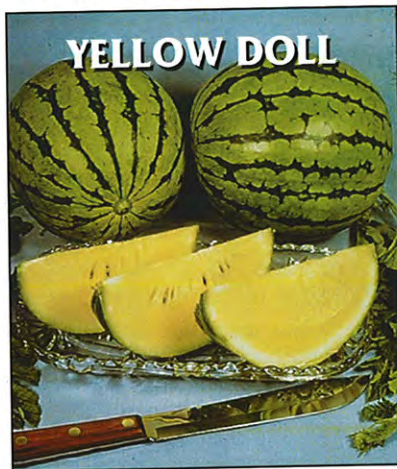


## Hybrid Diploid Watermelon - Large Fruited

Variety	Relative Days (TP)	Size	Shape	Rind Pattern	Flesh Color	Disease	Features
Sentinel	85	22-28 lbs	Blocky Oblong	Dark Green with Medium Green Stripes	Deep Red		A high yielding hybrid with thick rind. A good shipper. Excellent eating!
Sangria	87	20-23 lbs	Elongated	Dark Green with Light Green Stripes	Deep Red	F(t), A(t)	Allsweet type. Dark red flesh with high sugars. Very good eating quality.
A&C #800	87	22-26 lbs	Blocky Oblong	Medium Green with Dark Green Stripes	Deep Red	F(t), A(t)	Attractive appearance and good production. Works well as a pollinator. Widely adapted.

Please See Price List For Additional Varieties Which May Be Available

# WATERMELON (Cont.)



## Hybrid Diploid Watermelon - Ice Box Types

Variety	Relative Days (TP)	Size	Shape	Rind Pattern	Flesh Color	Disease	Features
Yellow Doll	68	5-7 lbs	Oval	Medium Green with Dark Green Stripes	Yellow Crisp		Quality interior and unusual appearance. Excellent for roadside stands & local markets.
Baby Doll	70	8-10 lbs	Round to Slightly Oval	Medium Green with Dark Green Stripes	Yellow Crisp		Yellow flesh ice box type with yellow, crisp flesh. Uniform size with good yield potential.
Peta Negra aka Jade Star	75	12-15 lbs	Round	Uniform Dark Green	Bright Red Crisp		Widely adaptable, good quality, large Sugar Baby type.
Tiger Baby	80	7-10 lbs	Round to Slightly Oval	Gray-Green with Dark Green Stripes	Red Crisp	F-1, A-1	Uniform fruit with excellent holding. Outstanding for roadside stands and shipping.

## Open Pollinated Watermelon Varieties

Variety	Relative Days (TP)	Size	Shape	Rind Pattern	Flesh Color	Disease	Features
Crimson Sweet	85	25 lbs	Round	Medium Green Thin Stripes	Medium Red		Standard shipping melon. Widely adapted. Hollar's selection of Crimson Sweet.
Sunsugar PVP (Allsweet)	85	18-21 lbs	Blocky	Dark Green w/Broken Light Green Stripes	Bright Red		Allsweet type that is very productive, delivering excellent fruit quality.

Please See Price List For Additional Varieties Which May Be Available

## FLOWERS

### Cosmos

Variety	Color	Plant Height	Flower Size	Features
Sensation Mix	Lavender, Pink Magenta and White	4-5 ft	1-3"	Very popular mix and easy to grow. Large delicate feathery foliage produces flowers all season.

### Wild Flower Mixes

Variety	Color	Plant Height	Flower Size	Features
Pacific Northwest Wildflower Mix	Wide Range of Colors	36-48"	Various	A popular mix of 27 varieties native to the Pacific Northwest. A wide range of sizes and colors.

### Zinnia

Variety	Color	Plant Height	Flower Size	Features
State Fair Mix	Lavender, Orange, Rose, White, Yellow	48-60"	4-6"	This mix works well in the garden and is great for cut flower arrangements. Blooms all season.

Please See Price List For Additional Varieties Which May Be Available

# FLOWERS (Cont.)

## Flowering Cabbage

Variety	Color	Features
Red Pigeon	Red	Dwarf variety with centers beginning to show color when temperatures drop below 60 degrees F. Outside leaves are smooth and slightly waved.
White Pigeon	White	Dwarf variety with slight pink coloring in the center.

**CORAL PRINCE**



## Flowering Kale

Variety	Color	Features
Coral Prince	White/Pink	Thick sturdy stems support a large headed flower that has finely serrated leaves.
Red Chidori	Red	Finely ruffled leaves. Centers do not require as cool of temperatures to show color.
Red Peacock	Red	Thinly ruffled leaves that do well in cold weather.
White Chidori	White	Finely ruffled leaves. Good contrast. Coloring occurs at higher temperatures.
White Peacock	White	Deeply notched leaves with a sturdy stem.

**RED CHIDORI**



**WHITE CHIDORI**



## Sunflowers

Variety	Color	Plant Height	Flower Size	Features
Autumn Beauty	Bright Yellow, Bronze, Red & Bi-Color	7-10 ft	4-7"	Long stemmed, multi-branching variety.
Florenza	Red & Yellow Flowers With A Dark Center	4-5 ft	3-5"	Uniform, excellent for cut flowers or borders.
Lemon	Pale Yellow	5-6 ft	2.5-6"	Multi-branching, early and continuous blooming.
Lemon Queen	Pale Yellow With Dark Centers	6-10 ft	5-6"	Tall variety that can be used for cut flowers or borders. Holds well when cut.

**RED PEACOCK**



**WHITE PEACOCK**



**FLORENZA**



**LEMON**



**LEMON QUEEN**



Please See Price List For Additional Varieties Which May Be Available

# FLOWERS (Cont.)

Sunflowers				
Variety	Color	Plant Height	Flower Size	Features
Mammoth Gray Striped	Yellow Blooms With Dark Centers	8-10 ft	8-12"	Standard tall variety. Late maturing.
Mardi Gras	Yellow, Bronze & Orange	4-7 ft	3-8"	Nice blend of varieties. Full color border for all season.
Premier Light Yellow	Pale Yellow	2-2.5 ft	6-12"	Uniform height. Continuously blooming. Good for cut flowers, borders or potting.
Red	Red With Yellow Highlights	3-4.5 ft	3-6"	Early variety that keeps on blooming. Longest blooming variety in our trials. A favorite with bees.
Red Sun	Red/Orange Flowers With Dark Centers	5-7 ft	4-6"	Compact, bushy, dwarf variety.
Ring of Fire	Tri-Colored; Yellow Tipped Red Flowers, Dark Center	4 ft	6"	AAS Winner! Multi-branching, non-pollen type. Late maturing.
Soraya	Golden Orange With Dark Centers	6 ft	4-6"	AAS Winner! A non-pollen type with multi-branching stems and buds that resemble artichokes.
Teddy Bear	Double Yellow Blooms	2-3 ft	5"	Great for cut flowers or borders. Vibrant hues.
Velvet Queen	Dark Colored; Burgundy, Chestnut & Bronze	5 ft	5"	Excellent variety for darker colors. Can be used for cut flowers and borders.

Please See Price List For Additional Varieties Which May Be Available

**RED SUN**



**TEDDY BEAR**



**RING OF FIRE**



**SORAYA**



**PREMIER LT YELLOW**



**VELVET QUEEN**





Logan-Zenner Seeds is a representative of Solex, Inc. agricultural equipment. Although parts and equipment are not inventoried we would be happy to discuss your equipment needs. However Solex Corporation, in Dixon, California has a vast inventory of parts ready for immediate shipment.

### Checci & Magli

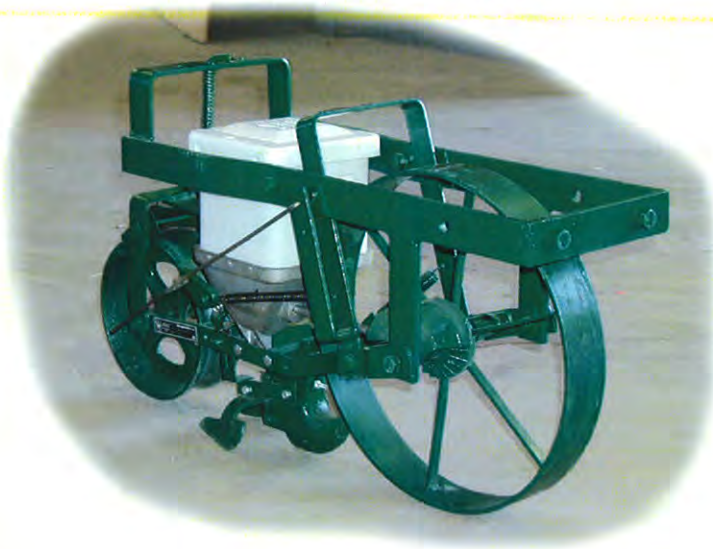
#### TRIUM



**TRIUM** is a total-control transplanter. Semi-automatic for tapered and pyramid-shaped clod plants up to 3cm in diameter. Driven by tire driving wheels. Suitable for plants with very developed leaves like tomatoes, cabbage, peppers, etc.

- Transplant units are independent and modular
- 10-cup rotating distributor ensures high output and standards of comfort for the operator

### SOLEX SEEDER



The **SOLEX SEEDER** is built of cast iron and steel for quality you can count on for years. The dirt scraper is spring loaded to prevent build up on the press wheel. The press wheel is almost 3" wide with a concave design. An adjustable floating cover pulls dirt over the seed. Large capacity 5 quart hopper is standard. Four inches of float designed into the hitch permits each drill to follow the contours of the ground independently. Enclosed gear drive provides positive power. **SOLEX SEEDER** parts are tested 100% interchangeable with Planet Jr.™ seeders so you can be sure parts and accessories provide exact replacements for your older Planet Jr.™.

For all equipment inquiries, please contact

**Terralink**

**(800) 661-4559**

Logan-Zenner Seeds, Inc. handles a complete product line of the following equipment:

- **Solex**
- **Stanhay**
- **Planet Junior**
- **Checci & Magli**
- **Seed Spider**
- **Gaspardo**

All pricing and availability on request.



**LOGAN-ZENNER**

SEEDS, INC.

**NOTES**

Lined area for notes, consisting of 18 horizontal lines within a rounded rectangular border.

## Definitions

Abbreviation	Disease	Abbreviation	Disease
<b>Alt</b>	Alternaria	<b>NCLB</b>	Northern Corn Leaf Blight
<b>A</b>	Anthraxnose	<b>NY 15</b>	New York 15
<b>ALS</b>	Angular Leaf Spot	<b>P</b>	Pith
<b>ASC</b>	Alternaria Stem Canker	<b>PeaMV</b>	Pea Enation Mosaic Virus
<b>BBS</b>	Bacterial Brown Spot	<b>PeMV</b>	Pepper Mottle Virus
<b>BFB</b>	Bacterial Fruit Blotch	<b>PHY</b>	Phytophthora
<b>BCMV</b>	Bean Common Mosaic Virus	<b>PLRV</b>	Pea Leaf Roll Virus
<b>BH</b>	Bolt Hardy	<b>PM</b>	Powdery Mildew
<b>Botrytis</b>	Botrytis	<b>PRR</b>	Pink Root Rot
<b>BL</b>	Black Leg	<b>PRSV</b>	Papaya Ring Spot
<b>BLS</b>	Bacterial Leaf Spot	<b>PVY</b>	Potato Virus Y
<b>BR</b>	Black Rot	<b>(r)</b>	Resistant
<b>BS</b>	Black Speck	<b>R</b>	Rust
<b>CaIMV</b>	Calico Mosaic Virus	<b>RZ</b>	Rhizoctonia
<b>Cf(A-E)</b>	Leaf Mold Races A-E	<b>S</b>	Sulfur
<b>CLS</b>	Cerospora Leaf Spot	<b>Sc</b>	Scab
<b>CMV</b>	Cucumber Mosaic Virus	<b>SCLB</b>	Southern Corn Leaf Blight
<b>CR</b>	Clubroot	<b>SR</b>	Soft Rot
<b>CRR</b>	Corky Root Rot	<b>St</b>	Stemphyllium/Gray Leaf Spot
<b>CS</b>	Smut	<b>Stip</b>	Stip
<b>CTV</b>	Curly Top Virus	<b>SW</b>	Stewart's Wilt
<b>CW</b>	Common Wilt	<b>(t)</b>	Tolerant
<b>DH</b>	Drought Hardy	<b>Th</b>	Thrip
<b>DM</b>	Downy Mildew	<b>TB</b>	Tip Burn
<b>F</b>	Fusarium Wilt	<b>TEV</b>	Tobacco Etch Virus
<b>FBR</b>	Fusarium Basal Rot	<b>TMV</b>	Tobacco Mosaic Virus
<b>FY</b>	Fusarium Yellow s	<b>Tobamo P.</b>	Tobamo Virus
<b>GSB</b>	Gummy Stem Blight	<b>ToMV</b>	Tomato Mosaic Virus Race 1
<b>HB</b>	Halo Blight	<b>TSWV</b>	Tomato Spotted Wilt Virus
<b>(ir)</b>	Intermediate Resistance	<b>V</b>	Verticillium
<b>LMV</b>	Lettuce Mosaic Virus	<b>WFB</b>	Watermelon Fruit Blotch
<b>LS</b>	Leaf Spot	<b>WMV</b>	Watermelon Mosaic Virus
<b>MDMV</b>	Maize Dwarf Mosaic Virus	<b>WPSV</b>	Western Pea Streak Virus
<b>Mi</b>	Root Knot	<b>YSV</b>	Yellow Strip Virus
<b>N</b>	Root-knob Nemetodes	<b>ZYMV</b>	Zucchini Yellow Mosaic Virus

- (I) - The dominant (I) gene gives protection against seed transmission of all strains of Bean Common Mosaic Virus.
- **GYNOECIOUS:** A term used to refer to a plant producing only female flowers.
- **MONOECIOUS:** A plant that has separate male (staminate) and female (pistillate) flowers.
- **Footnote To Sweet Corn:** The Rp 1-d, Rp1-g and Rp1-i genes confer resistance to certain races of common rust, including all races typically found in North America through 1998. However, in 1999, common rust pustules were found on varieties containing the Rp 1-d gene. This is an indication that there is a new race of common rust, which is not controlled by the Rp 1-d gene. Researchers have found this new race in most corn growing areas of North America. In 2001, common rust pustules were also found on varieties that contain the Rp 1-g gene and varieties that contain the Rp 1-i gene. This is an indication that there is more than one new race of common rust in the environment. The common rust races identified in 2001 were not controlled by any of the single genes Rp 1-d, Rp 1-g or Rp 1.i. The effectiveness of rust genes in sweet corn will be determined by the variation of common rust in each growing area.
- **DETERMINATE:** Bush variety tomatoes that do not require pruning or support and have concentrated set habits.
- **INDETERMINATE:** Climbing tomatoes that should be staked and pruned for best results; extended ripening period.

### UNITS OF AREA

ACRES	METRIC
1 square mile/640 acres	259 hectares / 2.58 sq kilometers (km)
.3861 square miles/247 acres	100 hectares / 1 square kilometer
24.71 acres	10 hectares
10 acres	4.047 hectares
2.471 acres	1 hectare
1 acre	.4047 hectare

### ROW LENGTH PER ACRE/HECTARE at Various Row Spacings

Distance Between Rows Inches	Length of Row		
	Metric	Feet/Acre	Metric/Hectare
12 inches	30/48 centimeters	43,560	5.373 kilometers
18 inches	45.72 centimeters	29,040	3.582 kilometers
20 inches	50.80 centimeters	26,136	3.224 kilometers
24 inches	61.96 centimeters	21,780	2.686 kilometers
30 inches	76.20 centimeters	17,424	2.149 kilometers
36 inches	91.44 centimeters	14,520	1.798 kilometers
40 inches	1.016 meters	13,068	1.612 kilometers
42 inches	1.067 meters	12,445	1.535 kilometers
48 inches	1.219 meters	10,890	1.343 kilometers
60 inches	1.524 meters	8,712	1.075 kilometers
72 inches	1.829 meters	7,260	895.49 meters
84 inches	2.134 meters	6,223	767.59 meters
96 inches	2.438 meters	5,445	671.62 meters

### TEMPERATURE

°F	°C
230	110
212	100
194	90
176	80
158	70
140	60
122	50
104	40
86	30
68	20
50	10
32	0
14	-10
-4	-20

### UNITS OF LENGTH

FEET - INCHES	METRIC
1 mile/5,280 feet	1.6093 kilometers
.6214 mile	1,000 meters/1 kilometer
328.1 feet	100 meters
3.281 feet	100 centimeters (cm) / 1 meter
1 yard/3 feet/36 inches	91.44 centimeters (cm) / .9144 meter
1 foot/12 inches	30.48 centimeters (cm) / .3048 meter
1 inch	2.54 centimeters
.3937 inch	1 centimeter

### LIQUID MEASURE

GALLON - OUNCES	METRIC
2.642 gallons	10 liters
1 gallon	3.7852 liters
1.0567 quarts	1 liter
1 quart/32 fluid ounces	.9463 liter
1 pint/16 fluid ounces	.4732 liter
1 cup/8 fluid ounces	.2366 liter
1 fluid ounce	.0295 liter

### UNITS OF WEIGHT

POUND - OUNCE	METRIC
220.46 pounds	100 kilograms (kg)
100 pounds	45.359 kilograms (kg)
2.204 pounds	1 kilogram (kg)
1.102 pounds	500 grams (g)
1 pound/16 ounces	453.59 grams (g)
8 ounces	226.78 grams (g)
4 ounces	113.39 grams (g)
3.527 ounces	110 grams (g)
2 ounces	56.70 grams (g)
3/4 ounce	21.25 grams (g)
1/2 ounce	14.17 grams (g)
1/4 ounce	7.08 grams (g)
1/8 ounce	3.54 grams (g)
1/16 ounce	1.77 grams (g)
1/32 ounce	885 milligrams (mg)
1/64 ounce	442 milligrams (mg)
1/128 ounce	221 milligrams (mg)



**LOGAN-ZENNER**  
SEEDS, INC.

These figures represent only a guide and may vary substantially between regions depending on local conditions and practices.

\* Seed Counts May Vary

VARIETY	Average Seed Per *		Direct Seeding		Transplants		Spacing (Inches)		Planting Depth Inches	Approx. Days To Germ.	Approx. Days To Maturity	
	Oz.	Pound	#	M	Oz/acre	M/acre	In the row	Between rows				
Beans	Bush	100	1,600	60-100	100-150	-	-	4-6	18-24	1-1.5	6-10	60-90
	Pole	100	1,600	30-40	-	-	-	4-6	36-48	1-1.5	6-10	47-74
	Lima	60-100	960-1600	30-50	-	-	-	6-8	18-24	1-1.5	6-10	65-76
Beets	Monogerm	800	12,800	5-10	-	-	-	2	18-24	0.5	8-12	55-75
	Multi-germ	1,600	25,600	10-12	200-350	-	-	2-3	18-24	0.5	9	58-80
Broccoli		8,000	120,000+	.5-1	50-100	4	30	12-18	18-24	0.25	8-10	67-85
Brussels Sprouts		8,000	128,000	.5-1	50-100	4	30	12-18	18-30	0.25	8-10	85-90
Cabbage		7,500	120,000	.5-1	40-100	4	30	12-18	18-36	0.25	6-10	62-105
Cabbage, Chinese		10,000	160,000	.5-1	40-100	4	30	10-24	18-36	0.25	6-10	65-95
Carrots	Small	24,000	384,000	2	800-1000	-	-	1	12-18	0.5	8-12	56-80
	Medium	18,000	288,000	2.5	450-500	-	-	1	12-18	0.5	8-12	56-81
	Large	12,000	192,000	3	250-300	-	-	1	12-18	0.5	8-12	56-82
Cauliflower		7,500	120,000+	.5-1	40-100	4	30	18-24	18-36	0.25	6-10	52
Celery		60,000	960,000	.5-.75	500-800	2	30-35	6	24-30	0.125	21-25	82-140
Collards		8,000	128,000	3-4	-	6	-	8-14	18-24	0.25	6-10	75-83
Cucumber		1,000	16,000	2-3	30-45	-	10-15	12-36	48-60	.5-1	7-10	51-78
Corn	Su, Se	155	24-2800	10-12	24-25	-	-	8-10	30-42	1.5-2	6-10	64-110
	Sh2	250	28-4200	-	24-25	-	-	8-10	30-42	.75-1.5	6-10	64-110
	Popcorn/small ornamental	375	6,000	3-5	-	-	-	8-10	30-42	.5-1	7-12	64-110
Eggplant		6,000	96,000	.5-1	50-100	4	30	18-24	24-36	0.5	10-14	80
Endive		25,000	400,000	2-3	100-150	8	100	8-12	18-24	0.5	10-14	85-95
Gourds	Small	600	9,600	.5	5-6	-	-	18-24	48-72	1-1.5	6-10	90-120
	Large	200	3,200	1-1.5	5-7	-	-	18-36	48-72	1-1.5	6-10	100-120
Kale		8,000	128,000	3	400	6	25	15-18	18-24	0.5	6-10	55
Kohlrabi		9,000	144,000	3-4	400	8	200	6-8	18-24	0.5	12	55-60
Leek		10,500	168,000	3-4	500	10-16	160	2-4	12-18	.5-1	10-14	75-140
Lettuce	Raw	25,000	400,000	1	400	2-3	100	4-12	12-24	.25-.5	7	42-86
	Pelleted	750-1900	12-30,000	3-4	180	-	100	8-12	12-24	.25-.5	7	42-86
Melon		1,000	16,000	3	45	8	5-6	24-36	48-72	1	7-12	65-100
Mustard		15,000	240,000	3-4	-	-	-	4-6	12-18	0.25	9	35-40
Okra		500	8,000	8	-	-	-	18-24	24-48	1	10	50-60
Onions	Bunching	12,000	192,000	10-14	1000	-	-	1	12-18	0.5	10-14	60-90
	Bulb	8,000	128,000	2-3	200-300	16	150	2-4	15-20	0.5	10-14	92-185
Parsley		15,000	240,000	3-4	-	-	-	3-4	9-12	0.25	21-25	70-90
Parsnip		10,000	160,000	4	-	-	-	3	18-24	.25-.5	18	95-100
Peas		150	2,400	80-140	-	-	-	1-2	18-24	1	6-10	55-74
Pepper		4,000	64,000	.25-.5	30-50	4	15-30	15-18	24-36	0.25-0.5	10-14	65-82
Pumpkin	Giant	100	1,600	1-2	1-1.5	-	1	72	120-144	1-1.5	7-10	120
	Medium/Large	200	3,200	1	3-4	-	3	60	72	1	7-10	90-120
	Small/Mini	300	4,800	1	4-6	-	4	24-36	60-72	1	7-10	85-95
Radish		2,500	40,000	10-12	500	-	-	1-1.25	12-18	0.5	6	21-30
Rutabaga		9,000	144,000	2	-	-	6	6-8	18-24	0.5	9	90-92
Spinach		2,500	40-48,000	10-15	400-500	-	-	2-4	12-18	.5-.75	7-10	38-70
Squash	Summer	250	4,000	4-5	15-20	32	12-15	36-48	48-72	.75-1.5	7-10	41-62
	Winter	200	3,200	2-4	10-20	16	5-8	24-60	72-120	.75-1.5	7-10	75-115
Swiss Chard		2,200	35,200	6-8	-	-	-	8-12	12-24	0.5	7-9	50-60
Tomato		10,000	160,000	.5-1	30-50	4	5	18-24	40-60	.25-.5	7-10	60-90
Turnip		11,000	176,000	2-3	-	-	-	2-4	12-24	0.25	7-10	42-70
Watermelon		400	6,400	1-3	4-5	8	2-2.4	48-60	48-60	.75-1.5	8-12	68-95

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