



# Pepper

## ADVANTAGE

SWEET PEPPER PORTFOLIO

**SAKATA®**

## Sakata's Sweet Pepper program continues

Our sweet pepper breeding is focused on the total package! Our research team works with specialists to identify trends, beneficial features and priorities. Key production traits we are addressing include marketable yield potential, adaptability, earlier maturity, labor friendliness and improved disease resistance — all the while ensuring consumers receive greater quality, flavor and shelf life. We're focused on the total package to help you with the sustainable returns you need.



**Bell**

### Early Summer

Early Summer is an early to mid-early maturing, extra-large, dark green-to-yellow bell pepper with high potential. The fruit have thick walls and a uniform blocky shape. HR: TMV: 0 / Xcv: 0-5, 7-9 \\ IR: TSWV



**Bell**

### Gridiron

Gridiron is an early maturing, extra-large blocky dark green-to-red bell with impressive yield potential. The fruit are smooth, glossy and high quality, with thick walls and a uniform blocky shape. Gridiron has high resistance to TMV: 0, and Xcv: 0-5, 7-9 and intermediate resistance to TEV.



**Bell**

### Classic

Classic is a green-to-red, high-yielding bell that has outstanding fruit quality, with thick walls and a uniform blocky shape. Classic is widely adapted and offers good heat-set ability. It approaches greenhouse quality in the open field. Classic has high resistance to TMV: 0 and Xcv: 0-3, 7, 8.



**Bell**

### Double Up

Double Up is a popular green-to-red bell pepper known for dependable performance in most Western U.S. growing regions, as well as Mexico and Central America. It offers early-mid maturity with high yields of quality fruit. Double Up has high resistance to TMV: 0 and Xcv: 0-3, 5, 7, 8.



**Bell**

### Red Bull

Red Bull offers plants with excellent canopies. This variety produces strong heavy sets of four-lobed, large fruit that are blocky, smooth and very thick walled. Red Bull has high resistance to TMV: 0 and Xcv: 0-3, 7, 8.

### Midas

Midas has a strong prolific plant, with continuous setting ability and good cover. This variety has high yield potential with large to extra-large, rectangular shaped fruit that are mostly four lobed. Its color is from dark green to yellow. The fruit are smooth with thick walls. Midas is also suitable for protected cultivation.



**Lamuyo**





**Bell**

## Samurai S10®

Samurai S10® is a widely adapted, green-to-red bell pepper well suited for production where bacterial leaf spot is a concern. The maturity is early to mid-early, with high yields of extra-large fruit with good quality. The fruit have good size uniformity and are very firm, glossy dark green and mature to red color. The plants are mid strong and vigorous with good fruit setting ability. Samurai S10® has high resistance to TMV: 0 and intermediate resistance to Xcv: 0-10.



**Bell**

## Ninja S10®

Ninja S10® is a widely adapted, green-to-red bell pepper well suited for production where bacterial leaf spot is a concern and large size is appreciated. The maturity is mid-early, with very high yields of extra-large and jumbo fruit with good quality. The plants are mid strong and vigorous with good fruit setting ability. HR: TMV: 0 \ IR: Xcv: 0-10.



**Bell**

## Mercer

Suited to the North Eastern U.S. growing regions. Maturity is mid-early and vigorous plants are tall and sturdy with continuous setting ability. Fruit are firm, dark green and mature to an attractive deep red color. HR: TMV: 0 / Xcv: 0-3, 7, 8 and IR to Pc.



**Bell**

## Cherokee

Cherokee is grown in the desert south west U.S. and in particular, Mexico. Suited for open field and high tunnel. Maturity is mid-early, with high yields of extra-large fruit with good quality. Strong plants have continuous setting ability. HR: PMMoV: 1.2.3 / PVY: 0.1.2 / Xcv: 0-3, 7, 8 / TMV: 0 \ IR: TSWV



**Bell**

## Vikingo

Vikingo is an extra-large, very attractive green-to-yellow blocky bell developed for greenhouse production. It is well suited to warm-cool production seasons. Vikingo has excellent yields and high resistance to TMV: 0 and PMMoV: 1.2.



**Cubanelle**

## Grenada

Grenada is a cubanelle that offers high resistance to Xcv: 0-3, 7, 8. It is well adapted to the Mid-Atlantic, Southeast and Caribbean. This large to extra-large variety boasts smooth fruit with a shallow shoulder cavity and excellent overall quality. Grenada offers strong plants with great yield potential.



**Shishito**

## Takara

Takara is a typical Shishito pepper with a small fruit and a mild but rich flavor. The compact plant has a spreading habit, short internodes, is well branched and has high production potential. The fruit uniformity is superior to OP strains. The peduncle holds well to the fruit.




## Yellow Sparkler

Sweet mini "snacking" pepper, with high Brix, a great sweet taste with a crunchy texture. The fruit are mostly smooth, two lobed, and glossy with a very few seeds. The strong plants have good fruit cover and perform well in open field and low to mid-tech culture.



**Snack**

# SWEET PEPPER HYBRIDS

Variety	Type	Region / Growing method	Relative Maturity*	Fruit Size / Shape	Fruit Color	Plant Habit	Disease Resistance	Uses & Remarks
Blitz	Bell		Early to mid-early	XL / blocky		Medium-large with great cover	HR: TMV: 0 / Xcv: 0-5, 7-9 \ IR: TEV	Early and excellent first set yield potential. Suited to harvest for mature green and red harvest.
Ninja S10®	Bell		Early to mid-early	XL to jumbo / blocky		Medium-large	HR: TMV: 0 \ IR: Xcv: 0-10	Excellent fruit size with good firmness and S10® bacterial leaf spot resistance
Samurai S10®	Bell		Early to mid-early	XL / blocky		Medium-large	HR: TMV: 0 \ IR: Xcv: 0-10	Widely adapted, great uniformity, quality and size with good firmness and S10® bacterial leaf spot resistance.
Touchdown	Bell		Mid	XL / blocky		Medium	HR: TMV: 0 / Xcv: 0-5, 7-9	Well suited for place-pack.
Early Summer	Bell	 	Mid-early	XL / blocky		Medium-large, good cover	HR: TMV: 0 / Xcv: 0-5, 7-9 \ IR: TSWV	Great size and quality along with mid-early maturity.
Bandai	Bell		Mid	XL to jumbo / blocky		Medium-large	HR: PMMoV: 1.2.3 / TMV: 0 \ IR: TSWV	Excellent size, yield potential and cover.
Classic	Bell		Mid	Large to XL / blocky		Medium plant with good cover	HR: TMV: 0 / Xcv: 0-3, 7, 8	Approaches greenhouse quality in the open field. Great heat set.
Double Up	Bell		Mid-early	Large to XL / blocky		Medium-large, good cover	HR: TMV: 0 / Xcv: 0-3, 5, 7, 8	Great performer for multiple seasons with excellent yield potential.
Majestic Red	Bell		Mid-early	Large to XL / blocky		Medium-large, good cover	HR: TMV: 0 / Xcv: 0-3, 5, 7, 8 \ IR: Pc	Beautiful, high quality sweet bell with extra-large, candy apple red fruit.
Cherokee	Bell	  	Mid	XL / blocky		Large, good cover	HR: PMMoV: 1.2.3 / PVY: 0.1.2 / Xcv: 0-3, 7, 8 / TMV: 0 \ IR: TSWV	Excellent quality suited for open field and low-tech protected culture.
Mercer	Bell	 	Mid-early	Large to XL / blocky		Large, good cover	HR: TMV: 0 / Xcv: 0-3, 7, 8 \ IR: Pc	Well adapted for the Northeast where Phytophthora capsici can be a problem. Classy fruit.
Gridiron	Bell	 	Mid-early to mid-early	XL / blocky		Medium-large with good cover	HR: TMV: 0 / Xcv: 0-5, 7-9 \ IR: TEV	Great size and quality and suited to harvest for mature green and red harvest.
Red Bull	Bell		Mid	XL / blocky		Strong plant, good cover	HR: TMV: 0 / Xcv: 0-3, 7, 8	Excellent yields of smooth, thick-walled fruit.
Vikingo	Bell	 	Mid	XL / blocky		Medium	HR: PMMoV: 1.2 / TMV: 0	High yield and extra large fruit for high tunnel and greenhouse.
Grenada	Cubanelle		Mid	XL / long blocky		Good cover on strong plant	HR: Xcv: 0-3, 7, 8	Early and productive with good quality smooth fruit.
Midas	Lamuyo		Mid	Large to XL / long blocky		Tall, vigorous	HR: PVY: 0.1.2 / TMV: 0	Best suited for staking. Excellent fruit quality and customer appeal. For fresh market and processing.
Takata	Shishito	 	Very early	Small / elongated		Compact, short		Classic Shishito, uniformity, Some fruit can be pungent.
Yellow Sparkler	Snack	 	Mid	Mini / elongated tapered		Medium-large	HR: TMV: 0	Great flavor, productive.
Variety	Type	Vigor		Plant Characteristics		Disease Resistance		Uses & Remarks
Dorado	Rootstock	 	Strong	Easy grafter with high vigor		HR: N: Mi, Mj / Pc / PVY: 0.1.2 / Rs / TMV		Displays good compatibility with various scions.

Disease terminology: HR = High Resistance, IR = Intermediate Resistance. Disease abbreviation code: Mi - Nematode, Pc - Phytophthora root rot, PMMoV - Pepper mild mottle, PVY - Potato Y, Rs - Bacterial wilt, TEV - Tobacco etch, TMV - Tobacco mosaic, TSWV - Tomato spotted wilt, Xcv - Bacterial spot.\* Days to Maturity are an approximation and may fluctuate due to varying planting times, location and conditions.

Fruit Color:       Region:  East Coast  West Coast  North East  Pacific North West  High Tunnel Type:  Indoor  Outdoor  Indoor / Outdoor  Bell  Lamuyo  Cubanelle  Shishito  Snack

**S10®** - Signifies intermediate resistance to all 10 races of bacterial leaf spot in pepper. Bacterial spot of tomato and pepper is caused by four bacterial species (*Xanthomonas euvesicatoria*, *X. vesicatoria*, *X. perforans*, and *X. gardneri*). Of the four species, *X. euvesicatoria* appears to be the main causal agent for bacterial spot of pepper. At this time, 10 races of the pathogen have been identified on pepper. Because of the difficulty in differentiating the bacterial species with non-DNA based methods, the seed industry currently recognizes the causal agent by its former scientific name of *Xanthomonas campestris* pv. *vesicatoria* prior to its reclassification.

**DISCLAIMER:** Claims and other disclosed information are based on our observations and/or information from other sources. Crop performance depends on the interaction between the genetic potential of the seed, its physiological characteristics, the environment, including management, and other uncontrollable factors that may alter expected performance. Triploid hybrid watermelon varieties will on occasion produce empty white seed coats or hard, dark undeveloped seeds and, therefore, are not warranted to be completely "seedless". Statements concerning the reaction of varieties to a specific pathogen, pest or stress are based on evaluation under defined conditions. These reactions can be affected by changes in environmental and biological factors, especially new pathogen races, pest biotypes or vectors of disease agents. Therefore, we give no warranty, express or implied, for crop performance relative to the information given; nor do we accept any liability for any loss, direct, indirect, or consequential, that may arise from any cause. Read all seed package labeling carefully to understand the terms and conditions of sale.

**Sakata Seed America, Inc.** • 18095 Serene Drive, Morgan Hill, CA 95037 • (408) 778-7758 • [www.sakatavegetables.com](http://www.sakatavegetables.com)

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