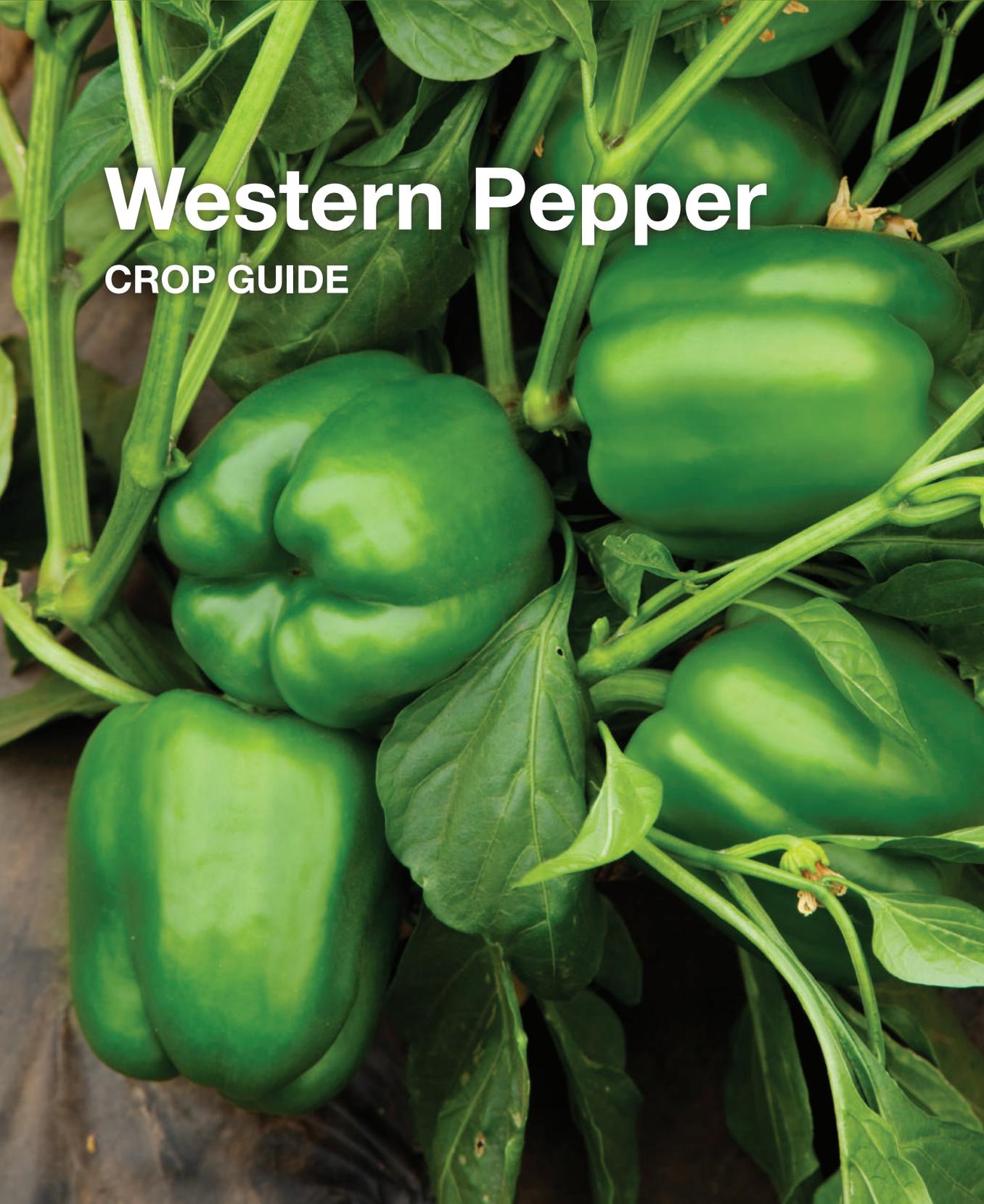




syngenta®



Western Pepper

CROP GUIDE



SYNGENTA VEGETABLE SEEDS

GLOBAL REACH, LOCAL FOCUS

At Syngenta Vegetable Seeds, we are dedicated to supporting our customers and partners around the world in this unique and complex industry. Our rich history in the vegetable seeds industry, strong presence in the market, and significant investment in the future of agriculture enables us to deliver high-quality vegetables all year round.

LEADERSHIP

Syngenta has more than **150 YEARS** of heritage in the **global vegetable seeds market** with roots dating back to 1867.



Our strong portfolio of more than **2,500 VARIETIES** in **30 CROP SPECIES** makes us **the partner of choice** for thousands of growers around the world.



Syngenta is a global market leader in seed production for:

- Watermelon
- Cauliflower
- Sweet Pepper (Greenhouse)
- Squash
- Sweet Corn
- Brussels Sprouts
- Tomato Specialties

INNOVATION

We drive innovation to improve flavor, quality, convenience, and productivity for the benefit of growers, marketers, retailers, and consumers.



SWEETER
taste



FIRMER
flesh



NEW
specialty market categories



BROADER
resistance package



INVESTMENT

Growers continue to look for higher yields, more comprehensive disease resistance packages, adaptability, and flexibility. At Syngenta, we invest heavily in **research and development** to ensure we meet the **present and future** needs of our **growers and partners**.

230

NEW VARIETIES
launched globally
every year

\$101.7M

INVESTMENT
in global R&D in 2019

\$4M

RECONSTRUCTION
of hurricane-damaged
facilities in Naples, Florida

\$4M

EXPANSION
of R&D and seed
production site in
Woodland, California

LEADING THE WAY IN THE AMERICAS

We maintain research sites across the Americas, to help growers in different geographies get exactly what they need.



Acquisition of **Abbott & Cobb** seed company in 2018 **increased Syngenta's ability to innovate** and further enhance offer to growers



Full Count® transplant program **revolutionized watermelon production**, with more than one billion plants sold as of 2019

*These are shared R&D vegetable seed sites

High-quality peppers for the western U.S.



NEW! Sycamore

Sycamore pepper is a green to red maturing pepper suited for planting throughout all western US pepper growing regions. This variety offers resistance to TMV and TSWV with desirable, uniform blocky fruit.

- Suited for fresh and processing providing grower with market flexibility for the produce
- Excellent disease resistance package
- Uniform size reduces waste in harvest and yield
- Large, consistently blocky fruit with high customer appeal
- Resistance to TMV, TSWV



Trifecta

Ideal for the California coast and northern San Joaquin Valley, Trifecta is a triple purpose variety for the fresh green market, red roaster and green processing markets. Trifecta offers TSWV resistance for increased grower peace of mind.

- Well-adapted to the coastal production regions of California
- High yield potential of extra-large dark green fruit for fresh market that command best prices
- Deep scarlet red inside and out for red roaster market
- Ideal pepper for the dual purpose fresh/red roaster market
- Potential yield advantage in processing segments due to high fruit weight





Crusader

- Blocky, large and extra-large fruit hold their shape and firmness under a range of conditions
- Large leaves and very good canopy to protect fruit
- Recommended for coastal California plantings
- Grower-friendly variety that provides reliable yields



Cypress

- Good leaf canopy with a sturdy plant for increased sunburn protection
- Ideal for warmer and drier summer harvest locations
- Mid-season maturity with a vigorous plant



Encore

Encore is one of the most widely adapted pepper varieties to meet a range of cultural practices, field conditions and planting seasons, and yields an abundant consistent harvest of well-sized, quality fruit.

- Produces extra-large and large peppers while maintaining high quality
- Consistently delivers smooth fruit with thick walls
- Maintains shape and size, especially in cool temperatures
- Excellent foliage coverage to protect the fruit
- Well suited for most western regions where extra-large fruit is needed



High-quality peppers for the western U.S.



NEW! Paquime

- Paquime produces extra large fruit with thick walls providing durability in harvest, packing and transport
- Paquime provides high early yield and is suitable for continuous harvests
- Fruit with moderate heat and limited cracking well-suited for the fresh jalapeño market



Compadre

A jalapeño hybrid, Compadre features an ability to produce potential high yields of smooth, low cracking, quality peppers with excellent heat and fruit uniformity. Its highly vigorous plant can make export grade peppers during difficult harvest periods when other varieties cannot.

- High-quality fruit with little cracking
- Vigorous plant with a large harvest window, even in low temperatures
- High yield potential through many picks
- Well adapted to the majority of production areas



Technical data: western peppers

Variety	Approximate maturity	Plant characteristics	Fruit characteristics	Fruit color	Approximate size at trial	Disease resistance
BLOCKY PEPPER						
<small>NEW</small> Sycamore	Early	Medium plant with excellent leaf cover	Highly uniform blocky fruit	Green to red	Large	HR: TMV IR: TSWV
Encore	Mid	Medium height, very good foliage cover	Blocky to occasionally deep blocky, very smooth, thick-walled	Medium green to red	Large to extra-large	HR: PepMoV / PVY: 0-2
Trifecta	Mid-late	Strong plant, good canopy	Blocky and thick-walled	Dark green to red	Extra-large	HR: TMV / TSWV: 0
Crusader	Late	Very good cover, large leaf, upright plant	Blocky, excellent firmness	Dark green to red	Large to extra-large	HR: PepMoV / PVY: 0-2 / Tm: 0 / TMV / ToMV / Xcv: 1-3
Cypress	Late	Vigorous plant with good cover to minimize sunburning of fruit	Thick-walled, good firmness	Medium dark green to red	Large to extra-large	HR: PepMoV / PVY / TMV
HOT PEPPER						
<small>NEW</small> Paquime	Early	Vigorous plant	Firm, uniform, cylindrical fruit	Green	Large to extra-large	HR: PVY
Compadre	Mid-late	Very vigorous, good tolerance to extreme temperatures	Very uniform, consistently smooth, high quality	Green	Large	HR: TMV / Xcv 2, 5

Disease abbreviation key

PepMoV	Pepper mottle virus	TMV	Mosaic caused by tobacco mosaic virus	Xcv	Bacterial spot caused by the specified races of <i>Xanthomonas campestris</i> pv. <i>vesicatoria</i>
PVY	Potato virus Y	ToMV	Mosaic caused by tomato mosaic virus	HR	High resistance
TEV	Tobacco etch virus	TSWV	Spotted wilt caused by tomato spotted wilt virus	IR	Intermediate resistance
Tm	Mosaic caused by tobamovirus pathotype				

Pathogen races are indicated to the right of the abbreviation in parentheses [example: Xcv (1, 2, 3) = bacterial spot caused by races 1, 2, 3 of *Xanthomonas campestris* pv. *vesicatoria*]. In cases where specific races or strains are not noted, the variety is resistant to some, but not necessarily all known races or strains of the pathogen. For complete disease resistance information, please visit www.SyngentaUS.com/vegetables.



For more information on Syngenta vegetable offerings,
visit www.SyngentaUS.com/vegetables
or contact your local Syngenta reseller or representative.

*For complete disease resistance information, please visit www.SyngentaUS.com/vegetables. Photos are either the property of Syngenta or used under agreement.

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