



TOMATO AND PEPPER PRODUCTION: Pepper Cultivars for Florida

KEY TO ABBREVIATION:

BLS – Bacterial leaf spot, many races - race 1, 2, 3, 5 resistance available depending on cultivar.

CMV – *Cucumber mosaic virus*

PeMV – *Pepper mottle virus*

PVY – *Potato virus Y*

Stip – Pepper stip or Pepper spot - a physiological disorder characterized by small discolored spots on pods on maturity

TEV – Tobacco Etch Virus

TMV – Tobacco Mosaic Virus

Tobamovirus Po – strain of TMV

TSWV – *Tomato spotted wilt virus*



Figure 10. Remember that yield is a characteristic more important to growers than to consumers. Keep in mind your market and the characteristics important to them, i. e., pack-out, shelf life, shape (blockiness) number of lobes, color (both mature color and shade of green for immature fruit), size, firmness, pod wall thickness and taste. Photograph by: Tara Piasio.

***Note** – while this list includes a number of varieties currently popular with Florida growers, it is by no means a comprehensive list of all varieties that may be adapted to the state. At present 4 - 5 cultivars probably constitute 80 –90 % of commercial production in Florida.

COMMON PEPPER CULTIVARS FOR FLORIDA*:

Alladin (X3R®) – uniform, blocky large, green to yellow bell fruit. Resistance to bacterial spot races 1, 2 and 3 (X3R®), Tobamovirus Po, PVY 0 and TEV. Seminis.

Aristotle – dark green anthocyaninless pods, heavy set, thick walls, large fruit size. Matures red. Resistant to BLS 1,2,3 (X3R®), PVY, Tobamovirus Po. Seminis.

Brigadier – Erect, broad season adaptability, large size fruit. Matures red. Resistant to BLS 1,2,3, PVY. Syngenta/Rodgers.

Crusader – erect, good cover, firm at mature red stage. Resistant to BLS 1,2,3, PeMV, PVY, Stip, TMV. Syngenta/Rodgers.

Double-Up – medium large 3-4 lobed green-red pods. Resistant to BLS 1,2,3, TMV. Sakata.

Enterprise (X3R®) – blocky, large to extra-large, 3 to 4 lobes green to red fruits. Resistant to BLS 1,2,3 (X3R®) and Tobamovirus Po. Seminis.

Excursion II – medium size green to red fruit. Resistance to BLS 1,2,3, PVY, TMV, TSWV. Abbot and Cobb.

Legionnaire – continuous set, uniform green to red fruit. Resistant to BLS 1,2,3(R), Stip(T), TMV(R). Syngenta/Rodgers.

Paladin – early, blocky to deep blocky, extra-large fruits. Matures red. Resistant to Phytophthora(T), TMV. Syngenta/Rodgers.

Olympus – uniform shape and size, thick-walled pods. Matures red. Resistant to BLS 1,2,3. Enza Zaden.

Orion – Large, 4-lobed, thick-walled blocky green to red fruit. Resistant to BLS 1,2,3. Enza Zaden.

Patriot – green-to-red blocky thick walled fruit, early maturing with concentrated fruit set. Resistant to BLS 1,2,3,5, and PVY. Harris/Moran.

Polaris – Uniform blocky green to red fruit. Resistance to BLS 1,2,3. Western Seed.

Revolution – cold tolerance, concentrated early set, firm, uniform, extra-large green to red fruits. Resistance to BLS 1,2,3,5 intermediate resistance to CMV and *Phytophthora capsici*. Harris/Moran.

Sentry – erect bush, blocky green to red fruit, performs well under high temps. Resistant to BLS 1,2,3, PVY, and Stip. Syngenta/Rodgers.

Snapper – Very large, very uniform field pepper for both green and red harvest, 3-4 lobed blocky fruit. Resistant to BLS 1,2,3, Tobamovirus Po. Enza Zaden.

Telestar – good canopy, medium-dark green to red pepper, smooth shoulders, blocky, thick-walled, 4-lobed pods. Resistant to BLS 1,2,3, PVY, TMV. Hazera.

Wizard X3R® – concentrated set, high percentage of large to extra large green to red pods. Resistant to BLS 1,2,3 (X3R®), TMV. Seminis.

Prepared by: Gene McAvoy