syngenta®

Leafy Vegetable

CROP GUIDE

®

Committed to Excellence
from the field to the table

We are committed to helping growers get the most from their crops, both now and for generations to come. Partnering with our customers every step of the way, we offer advanced, innovative solutions that provide growers with the tools they need in the field to ultimately put the food on the table. After all, our job is about helping customers deliver high-quality, nutritious vegetables to the market. We leverage our rich history in the industry, strong presence in the market and significant investment in the future of agriculture to help you do just that.

Partnering for Success

Our roots in the vegetable industry run deep, tracing back to 1876 with the establishment of ROGERS® brand seed. For more than 130 years, we have worked boot-to-boot with our vegetable customers to provide a truly cutting edge, individualized approach to solution building. Our integrated portfolio supports your crop at each stage of development, from seed to harvest, and each stage of the market, from packer to plate.

Addressing Whole-farm Challenges

AgriEdge Excelsior®

Field to Market

We understand that your challenges extend far beyond the field, and collaborate with industry partners to provide whole-farm service and support. Through programs like AgriEdge Excelsior®, we provide growers with record-keeping tools designed to improve business practices and assist them in meeting supply chain requirements and satisfying consumer preferences. As an active member of Field to Market®, the alliance for sustainable agriculture, we collaborate with fellow industry leaders to address the challenge of putting enough food on the table to meet the needs of our rapidly growing population—both today and well into the future.

Innovating for the Future

Backed by global resources and a daily investment of more than $3.9 million in research and development, we bring to market innovative, integrated solutions that help ensure your high-value vegetable crops reach their full genetic potential. Our state-of-the-art research facilities located across the U.S. are incubators for innovation in the field and in the marketplace, helping to ensure that we're providing growers with the tools they need to put food on the table.

Pasco Seed Processing Facility

This 40-acre, 200,000 square foot state-of-the-art facility processes both large-seeded and small-seeded vegetables. It houses a unique, two-pass drying system that most closely resembles natural drying in the field. Seed is stored within optimal parameters of temperature and humidity, ensuring a consistent supply of high-quality seed.

Vero Beach Research Center

This industry-leading facility combines the latest technologies with practical, hands-on field testing. The 12-month growing season allows scientists to generate multiple seasons of field data per year.

Syngenta Research Stations

Syngenta Seed Processing Facilities

Woodland Research Station

Recently renovated to enhance R&D and seed production capabilities, this station is home to the Syngenta Global Cucurbits Center of Excellence and serves as a hub for cereal, corn, cucurbit and fruiting vegetable research in the California Central Valley.

Naples Research Station

This station lies just south of the frost line in Florida, allowing two generations per year of most crops. It includes more than 100 open-field acres and contains more than 60,000 square feet of greenhouse space, as well as controlled growth environments and laboratories.

Supporting the Industry

Our commitment to customer satisfaction extends beyond solutions, service and support—it's an investment in the future success of the industry as well. We are proud to work closely with industry organizations, such as the American Seed Trade Association (ASTA), California Association of Pest Control Advisers (CAPCA), Produce for Better Health, Produce Marketing Association and United Fresh Produce Association, as an advocate for sustainable vegetable production and consumption.

syngenta®

Featured Varieties

ROMAINE

Abilene

Abilene is a perfect fit for coastal California's spring, summer and fall harvest periods due to its excellent performance and disease package, including downy mildew and TBSV tolerance and tipburn tolerance.

TECHNICAL DATA	
Leaf color	Medium-dark green
Approximate maturity	Medium
Disease resistance	**HR:** Bl: 1-16, 18-20, 22-24, 27-28 and 30-31, TBSV

Big Thunder

Big Thunder is a dark green romaine with good bolting and strong tip-burn tolerance. It is a multipurpose, highly disease resistant variety. Big Thunder is highly adaptable for commercial variety in most regions in the US.

TECHNICAL DATA	
Leaf color	Medium-dark green
Approximate maturity	Medium-late
Disease resistance	**HR:** Bl: 1-16, 18, 20, 22-24, 27- 29 and 32, TBSV

Duquesne

Duquesne is a perfect fit for coastal California's spring, summer and fall harvest periods due to its excellent performance and disease package, including downy mildew and TBSV tolerance as well as tip burn tolerance.

TECHNICAL DATA	
Leaf color	Medium green
Approximate maturity	Medium
Disease resistance	**HR:** Bl: 1-16, 18-20, 22-24, 27-28 and 30-31, TBSV

Inferno

As a small-framed, open-habit, perfectly upright variety, Inferno's strength is primarily for cartons. With good bolting resistance and tip burn tolerance, Inferno has growing versatility from the desert to the coast.

TECHNICAL DATA	
Leaf color	Dark-very dark green
Approximate maturity	Medium-late
Disease resistance	**HR:** Bl: 1-16, 18-20, 22-24, 27-28 and 30-31,TBSV

ICEBERG

Stage Coach

Stage Coach is a perfect fit for coastal California's spring and early summer production due to its excellent head quality, dual usage purpose, yields and tip burn tolerance.

TECHNICAL DATA	
Leaf color	Medium green
Approximate maturity	Very early
Disease resistance	**HR:** TBSV

Quest

Quest is a high-yielding iceberg developed for summer production in coastal California and fits in the winter production for the desert. It offers excellent head protection and is a dual-purpose variety that lends itself well to cartons or processing.

TECHNICAL DATA	
Leaf color	Medium green
Approximate maturity	Early
Disease resistance	**HR:** TBSV

MIXED LETTUCE

ProGreen 76

An excellent non-bolting, non-suckering and non-heading batavia, ProGreen 76 has excellent dark color, weight and texture. ProGreen 76 offers strong potential in the whole leaf market.

TECHNICAL DATA	
Leaf color	Medium-dark green
Approximate maturity	Medium-late
Disease resistance	—

Green Star

Green Star offers excellent non-bolting, non-suckering and non-heading qualities and has shown good resistance to certain races of downy mildew. Green Star boasts excellent dark color, weight and texture.

TECHNICAL DATA	
Leaf color	Dark green
Approximate maturity	Medium
Disease resistance	**HR:** Bl: 1-16, 21, 23

Lucan

Lucan is a very large-framed, butterhead-type lettuce that carries excellent weight. It is slow bolting with strong resistance to tip burn, bremia and nasonovia.

TECHNICAL DATA	
Leaf color	Medium green
Approximate maturity	Early-medium
Disease resistance	**HR:** Bl: 1-18, 20-25, 27-28 and 30- 32,NR: 0 **IR:** LMV: 1

CELERY

Mission

Mission is a versatile celery variety that can be grown year-round and is the standard for bolting resistance. It is a compact plant with excellent girth, a uniform leaf and top appearance and beautiful dark green color.

TECHNICAL DATA	
Avg. days to maturity (warm/cool)	90 / 115
Recommended harvest	Year-round
Bolting tolerance	Excellent (HR)
Disease resistance	**HR:** Foa

Sonora

Ideal for summer and fall harvest, Sonora is a compact plant with smooth petioles that grow from a dark green stalk and has good bolting resistance.

TECHNICAL DATA	
Avg. days to maturity (warm/cool)	90 / 110
Recommended harvest	Summer / Fall
Bolting tolerance	Good (IR)
Disease resistance	**IR:** Foa

Conquistador

Versatile enough to be grown year-round, Conquistador also boasts a high level of bolting resistance. It has become the variety of choice for winter-spring harvest periods in California and Arizona.

TECHNICAL DATA	
Avg. days to maturity (warm/cool)	90 / 115
Recommended harvest	Year-round
Bolting tolerance	Excellent (HR)
Disease resistance	**IR:** Foa

Proven Performers

Technical data: leafy

Varieties	Product type	Leaf color	Approximate maturity	Disease resistance
PROVEN PERFORMERS				
Abilene	Romaine	Medium-dark green	Medium	**HR:** Bl: 1-16, 18-20, 22-24, 27-28 and 30-31, TBSV
Big Thunder	Romaine	Medium-dark green	Medium-late	**HR:** Bl: 1-16, 18, 20, 22-24, 27-29 and 32, TBSV
Del Sol	Romaine	Light-medium green	Medium	—
Duquesne	Romaine	Medium green	Medium	**HR:** Bl: 1-16, 18-20, 22-24, 27-28 and 30-31, TBSV
Green Thunder	Romaine	Dark green	Medium	**HR:** Fol: 1
Inferno	Romaine	Dark-very dark green	Medium-late	**HR:** Bl: 1-16, 18-20, 22-24, 27-28 and 30-31, TBSV
Rio Bravo	Romaine	Medium-dark green	Medium-late	**HR:** Bl: 1-16, 18-20, 22-24, 27-28 and 30-32, Fol: 1, TBSV
True Heart	Romaine	Light-medium green	Medium	—
El Guapo	Iceberg	Medium green	Medium	**HR:** TBSV
Journey	Iceberg	Light-medium green	Medium	**HR:** TBSV
Keeper	Iceberg	Medium-dark green	Medium	**HR:** TBSV
PYB7101a	Iceberg	Medium green	Early	**HR:** Bl: 17, TBSV
Quest	Iceberg	Medium green	Early	**HR:** TBSV
Reliant	Iceberg	Light-medium green	Early	**HR:** TBSV
Stage Coach	Iceberg	Medium green	Very early	**HR:** TBSV
Vandenberg	Iceberg	Medium green	Medium-late	**HR:** TBSV

Varieties of Interest

Technical data

Varieties	Product type	Leaf color	Approximate maturity	Disease resistance
LEAFY				
ProGreen 76	Batavia	Medium-dark green	Medium-late	—
Green Star	Batavia	Dark green	Medium	**HR:** Bl: 1-16, 21, 23
Lucan	Lettuce, Butterhead	Medium green	Early-medium	**HR:** Bl: 1-18, 20-25, 27-28 and 30-32, NR: 0 **IR:** LMV: 1
CURLY ENDIVE				
Allie	Curly Endive	Dark green	Medium-late	—
Brillantes	Curly Endive	Bright green	Medium	—
Forbes	Curly Endive	Bright green	Medium-late	—

Disease abbreviation key

Bl	Downy mildew (*Bremia lactucae*)	**LMV**	Lettuce mosaic (Lettuce mosaic virus)	**HR**	High resistance
Foa	Fusarium yellows and wilt (*Fusarium oxysporum* f. sp. *apii*)	**Nr**	Lettuce leaf aphid (*Nasonovia ribisnigri*)	**IR**	Intermediate resistance
Fol	Fusarium wilt (*Fusarium oxysporum* f. sp. *lactucae*)	**TBSV**	Lettuce die-back (Tomato bushy stunt virus)		

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, visit www.Syngenta-US.com/vegetables or contact your local Syngenta reseller or representative.

GS 2247_6_1 (8/18)

SLC 1015E 08-2018