



HYDROPONIC

Head Lettuce Catalog

THE JOHNNY'S ADVANTAGE


Superior Seeds You Can Count On

Our standards for germination exceed industry requirements. We perform ongoing germination checks, rejecting seeds that fail to meet our 5-point inspection criteria. Johnny's only offers lettuce seed lots tested to be free of lettuce mosaic virus.

Dedicated Seed Consultants

Our Commercial Sales Team is ready to partner with you! We have a dedicated seed consultant serving your region who is prepared to provide you with year-round support and expertise.

[Meet Our Team](#)



"Johnny's consistently strives to stock the best and most consistent varieties for the success and quality we demand at Greener Roots. The shopping experience is effortless, and Johnny's goes above and beyond to ensure we have the inventory we need when we need it."

Jeffrey Orkin
Greener Roots Farm
Nashville, Tennessee



100%
Employee Owned



Non-GMO
Safe Seed Pledge



100%
Satisfaction Guarantee

Best Inventory Management

We consult with you to discuss inventory information, potential supply issues, and risk mitigation. We provide inventory strategy recommendations and will purchase up to 6 months ahead of your demand.

Business Support

We provide same-day shipping and outstanding customer service. Payment is accepted by phone, check, or electronically. Credit accounts are available, and we offer early discounts. Invoices are sent electronically for your convenience.



SALANOVA®



The ultimate efficiency lettuce, Salanova is the industry standard in salad mix for its high count of baby-size leaves in interesting shapes and colors. All varieties hold their great flavor without turning bitter — more so than typical head lettuce — which allows for a longer harvest window. Harvestable with one simple cut, Salanova is a versatile, high-value lettuce solution.

Salanova® Butter



Hydroponic Green Butter

EXCLUSIVE! Fast-growing, slow-bolting, compact heads. Soft, delicate leaves remain small through maturity. Density and leaf count increase greatly as heads mature. Leaves have a folded presentation — particularly the inner leaves — which provides loft for boxed salad mixes. Improved tipburn tolerance, and faster growth compared to other butterleaf one-cut varieties.



Hydroponic Red Butter

EXCLUSIVE! Vigorous, slow-bolting, compact heads with very high leaf count. Soft, delicate leaves remain small through maturity. Density and leaf count increase greatly as heads mature. Leaves have a folded presentation — particularly the inner leaves — which provides loft for boxed salad mixes. Improved vigor, tipburn tolerance, and bolt tolerance compared to other butterleaf one-cut varieties.

Pelleted Seeds

Part #	Variety	Type	Color	Bolt Tolerance	Frame Size	Disease Resistance
4188JP	Green Butter	Cored	Green	Excellent	Medium	HR: DM (EU 16–37; US 5–9).
4449JP	Red Butter	Cored	Red	Excellent	Medium	HR: DM (EU 16–32, 34, 36), Nr.

Lettuce Resistance Codes

HR = High Resistance IR = Intermediate Resistance

(DM)	Downy Mildew*
(LMV)	Lettuce Mosaic Virus
(Nr)	Lettuce Leaf Aphid
(Pb)	Lettuce Root Aphid
(Rs)	Corky Root
(TBSV)	Tomato Bushy Stunt Virus (Lettuce Dieback Complex)

*Numbers indicate known resistance to lettuce downy mildew isolates from either Europe (EU), United States (US), or both. As new races of downy mildew are identified, older races become obsolete. To be concise, Johnny's no longer includes obsolete races in the product listing.

The Seeds in This Catalog

All seeds in this catalog have been tested for the presence of LMV (Lettuce Mosaic Virus). No LMV was found in a sample of at least 30,000 seeds.

Salanova® Oakleaf



Hydroponic Green Oakleaf

EXCLUSIVE! Compact yet voluminous heads provide a stunning option for whole-head sales, and are equally nice for boxed salad mix. Exceptionally high leaf count with well-refined lobing and better uniformity than similar varieties. Proven performer for hydroponic and vertical systems. Leaves are shiny with a glossy medium-to-dark green coloration.



Hydroponic Red Oakleaf

EXCLUSIVE! Impressive uniformity of leaf shape and size, and improved upright habit. Fast growth rate and strong bolt tolerance make this a strong performer among oakleaf one-cut varieties. Dense, heavy heads. Beautiful dark red coloration is attainable on the leaf tips, with limited penetration down the leaf due to the density of the head.

Pelleted Seeds

Part #	Variety	Type	Color	Bolt Tolerance	Frame Size	Disease Resistance
4189JP	Green Oakleaf	Cored	Green	Excellent	Medium	HR: DM (EU 16–31, 34, 36; US 5–9).
4191JP	Red Oakleaf	Cored	Red	Excellent	Medium	HR: DM (EU 16–37; US 5–9), Nr.

Salanova® Gem

NEW



Red Gem

EXCLUSIVE! Attractive, deep red leaves in an exceptional mini head. Excellent performance in hydroponic systems. Compared to Salanova Red Butter (#3057JP and #4449JP), Salanova Red Gem plants are more compact and upright with sturdier leaves that are easier to handle and have a longer shelf life. Heads stay open for slightly longer than other red Salanova options, leading to more red pigmentation nearer the core.

Salanova® Tango

NEW



Red Tango

EXCLUSIVE! Open heads with narrow stems on deeply lobed leaves. High-loft, tango-type leaves. Soft texture with crisp midribs. Excellent performance in both summer and winter. Strong yields in a slower-to-mature plant. Great for multiple cuts and both hand and mechanical harvest. Slowest bolting of all our Salanova and one-cut lettuces.

Pelleted Seeds

Part #	Part Name	Type	Color	Bolt Tolerance	Frame Size	Disease Resistance
4823JP	Red Gem	Cored	Red	Excellent	Medium	HR: DM (EU 16–37; US 5–9), Nr.
4764JP	Red Tango	Incised	Red	Excellent	Large	HR: DM (EU 16–37; US 5–9), Nr, Pb.

Salanova® Batavia



Hydroponic Green Batavia

EXCLUSIVE! Compact, heavy heads with a tight core and numerous salad-sized, uniform leaves. Scalloped, semi-savoy leaves add crunch and juicy texture. Exceptional bolt and tipburn tolerance. Great when marketed as true mini heads, and withstands multiple cuts if cut for a mix; we recommend one circular cut around the core to separate the leaves.



Hydroponic Red Batavia

EXCLUSIVE! These heads put on excellent weight for a red variety while remaining compact and upright. Their open-heading habit enables strong tipburn tolerance. Beautiful contrast of purplish coloration at leaf tips and intense, bright green color at the base. Leaves are semi-savoy and scalloped, lending to their nice texture and appearance.

Pelleted Seeds

Part #	Variety	Type	Color	Bolt Tolerance	Frame Size	Disease Resistance
4185JP	Green Batavia	Cored	Green	Excellent	Medium	HR: DM (EU 16–32, 34, 36; US 5–9), Nr. IR: LMV.
4840JP	Red Batavia	Cored	Red	Excellent	Medium	HR: DM (EU 16–37; US 5–12), Nr.

Salanova® Sweet Crisp



Hydroponic Green Sweet Crisp

EXCLUSIVE! High-yielding, crispy green leaf with excellent shelf life. Very deep incising for thin, uniform leaflets when harvested. Loose, open heads are best for cutting for boxed salad mix. Impressive yield potential due to leaf volume, vigor, and heavy leaf texture. The thicker leaf also lends well to handling and extended shelf life.



Hydroponic Red Sweet Crisp

EXCLUSIVE! Slow-bolting, crispy red leaf with excellent shelf life. Highly uniform leaves with deep incising and partially webbed tips. Great color contrast with redder midribs than similar varieties. Loose, open heads are best for cutting for boxed salad mix. Heavy leaf texture adds yield and extended shelf life. Very strong tolerance to bolting and tipburn, with slightly slower growth than others of its type.

Pelleted Seeds

Part #	Variety	Type	Color	Bolt Tolerance	Frame Size	Disease Resistance
4187JP	Green Sweet Crisp	Incised	Green	Excellent	Large	HR: DM (EU 16–34, 36, 37; US 5–9), Nr. IR: LMV, Pb.
4190JP	Red Sweet Crisp	Incised	Red	Excellent	Large	HR: DM (EU 16–37; US 5–9), Nr. IR: LMV.

CRUNCHLEAF



CrunchLeaf lettuce varieties include a range of new, unique leaf and head types — combining traits from iceberg, romaine, and other traditional lettuces. They are distinguished by their crunchy texture, sweet flavor, and unique appearance. From mini cosbergs to crystalline-leaved one-cuts, CrunchLeaf lettuce varieties meet the growing demand for high-crunch options. Choose from varieties suited to high-density production for boxed salad mixes, as well as those for whole-head sales. Especially well-suited to hydroponic growing methods, many also perform well in the field (see individual varieties for details).



Azirka

Crunchy, thick red leaves with unique spikey margins. A great complement to Cristabel in leaf shape and crunch. A strong summer performer due to its slow growth and slowness to bolt. Compact heads with a very short core for ease of harvest. Exceptionally mild flavor for a red variety and slow to turn bitter.



Cristabel

Crunchy, thick green leaf complements Azirka. An adaptable, high-yielding, slow-bolting variety with compact heads and a short core. Resists bitterness.

Pelleted Seeds

Part #	Variety	Color	Bolt Tolerance	Frame Size	Disease Resistance
4621P	Azirka	Red	Very Good	Medium	HR: DM (EU 16–36; US 5–9), Nr, TBSV. IR: LMV.
4622P	Cristabel	Green	Good	Medium	HR: Nr, TBSV.

“Lalique is flourishing in our hydroponic and aeroponic systems. This durable and versatile lettuce variety fares well in our wholesale and retail networks.”

Jennifer Waxman
The Villages Grown
The Villages, Florida



Lalique

Crunchy sandwich-sized leaves and year-round performance. Compact, yet heavy heads with a very upright growth habit. Heads remain open, untwisted, and tight across varying conditions. Hearty, juicy leaves like an iceberg, but with better flavor and a pleasingly frilly, lollo-like margin. The tasty leaves are uniform and numerous, making them easy to process.



Chicarita

Open-headed mini romaine with crunchy texture. Very upright, easy to grow, and adaptable to all seasons. Attractive, dark green, savoyed leaves that blanch at the center. Slow to bolt and exceptionally tipburn tolerant. Excellent weight for its size.

Pelleted Seeds

Part #	Variety	Color	Bolt Tolerance	Frame Size	Disease Resistance
4184JP	Lalique	Green	Very Good	Medium	HR: DM (EU 16–26, 32; US 5–9). IR: LMV.
4179JP	Chicarita	Green	Very Good	Small	HR: DM (EU 17, 18, 22, 24, 25, 29, 30, 33, 35, 37; US 5–12), Nr. IR: LMV.

Frisygo

Distinctive, highly textured one-cut type. Very deeply incised leaves create uniform leaflets when cut for a unique and delicious addition to salad mix. Leaves have a nice iceberg texture and excellent, complex flavor. Maintains head shape after harvesting and washing which makes it suitable for whole-head sales as well.



Rubygo

Slow-bolting, flavorful one-cut type. Excellent depth of color. Green, yellow, and red show on the leaves, which creates great contrast for salad mix. Rubygo holds its compact frame through maturity. Ideal for sandwiches, as leaves are thick and crunchy with excellent flavor. Great for salad mix and whole-head sales. Pairs well with Verigo.



Verigo

Exceptionally flavorful one-cut type with high leaf count. Compact, heavy heads. Attractive leaves with excellent crunch and weight are sized perfectly for sandwiches. Suitable for salad mix and whole-head sales. An excellent match for Rubygo.



Pelleted Seeds

Part #	Variety	Color	Bolt Tolerance	Frame Size	Disease Resistance
4099JP	Frisygo	Green	Good	Small	HR: DM (EU 16, 18, 21–26, 32).
4100JP	Rubygo	Red	Excellent	Small	HR: DM (EU 16–27, 30–32), Nr. IR: LMV.
4101JP	Verigo	Green	Good	Small	HR: DM (EU 16, 18, 21–26, 32).

TRUE MINI



True mini lettuces, often called mini romaine, bibb, or little gem, retain a compact frame through maturity that allows for tighter planting densities. They are typically quick to fill out but slow-bolting, making them versatile to grow all season long.



Cegolaine

Bronze-red Little Gem type. Exceptionally slow-bolting true bibb with semi-savoy leaf and very uniform, dense heads. Visually stunning paired with Rosaine — nearly identical except for color — and Newham.



Newham

Uniform, compact heads with an upright, vase-shaped habit. High-yielding with a greater percentage of marketable heads and better bolting tolerance than Little Gem. Beautiful when paired with Rosaine and Cegolaine.

Pelleted Seeds

Part #	Variety	Type	Color	Bolt Tolerance	Frame Size	Disease Resistance
3634JP	Cegolaine	Bibb	Red	Very Good	Small	HR: DM (EU 16–27, 30–32, 37; US 5–9), Nr, Pb. IR: LMV.
3680GP	Newham	Bibb	Green	Good	Small	HR: DM (EU 16–21, 23–26, 28–35; US 5–9), Nr, Pb. IR: LMV, Rs.



Rosaine

A true bibb with exceptional bolt tolerance. Uniform, dense heads are layered with crisp, semi-savoy leaves. Pairs beautifully with Cegolaine and Newham.



Volcana

Red-to-the-heart mini! Very bolt-tolerant Little Gem type with savoy leaves. Marketable at a very early stage and holds exceptionally well. Good color development in all seasons, but best in cooler conditions.

Pelleted Seeds

Part #	Variety	Type	Color	Bolt Tolerance	Frame Size	Disease Resistance
3635JP	Rosaine	Bibb	Red	Very Good	Small	HR: DM (EU 16–26, 31, 32; US 5–9), Nr, Pb.
4765JP	Volcana	Bibb	Red	Very Good	Small	HR: DM (EU 16, 20–22, 25, 27, 29–32, 35, 37).



A. Dragoon

Compact, uniform heads are exceptionally dense and heavy. Leaves are thick and have an excellent crisp texture. Strong tolerance to bolting and tipburn makes Dragoon highly adaptable. Pairs well with Truchas and Breen.

B. Breen

Compact, bronze heads are early to fill — and hold — their mini size for an extended period. Pairs well with Dragoon and Truchas.

C. Truchas

Darker, deeper red color than Breen. Compact heads fill out nicely. Pairs well with Dragoon and Breen, although slightly slower to mature.

Pelleted Seeds

Part #	Variety	Type	Color	Bolt Tolerance	Frame Size	Disease Resistance
3884GP	Dragoon	Romaine	Green	Good	Small	HR: DM (EU 16–27, 29, 32, 34; US 5–8), Nr, TBSV. IR: LMV.
118GP	Breen	Romaine	Red	Very Good	Small	HR: DM (EU 16–21, 23–26, 28–37; US 5–9).
3880GP	Truchas	Romaine	Red	Fair	Small	HR: DM (EU 16–26, 28–37; US 5–9), TBSV. IR: LMV.



SUMMER CRISP

Also known as French crisp or Batavia lettuce, summer crisp types are easy to grow and relatively tolerant of hot weather. Very crisp like romaine, but sweet and juicy, without bitterness. The shape of the summer crisp plant is at first open, much like a loose-leaf lettuce, then matures into a heavy, compact bunch or head. Summer crisp lettuces perform best given slightly more fertility than loose leaf types.



Muir

Extremely heat-tolerant and slow-bolting variety that excels in summer conditions. The light green, extra-wavy leaves form dense heads at a small size and can be harvested as minis or left to bulk up into large, heavy, full-size heads. The leaves are crisp and have excellent flavor.



Cherokee

Thick, crisp, dark red leaves are early to form marketable heads. Good flavor. Very slow bolting with excellent tolerance to heat.

Pelleted Seeds

Part #	Variety	Color	Bolt Tolerance	Frame Size	Disease Resistance
3881GP	Muir	Green	Excellent	Medium	HR: DM (EU 16–26, 28, 32; US 5–9), Nr, TBSV. IR: LMV.
2741JP	Cherokee	Red	Excellent	Medium	HR: DM (EU 16, 21, 23, 32; US 5–6).

BUTTERHEAD



Butterhead lettuce receives its name from the sweet buttery flavor and delicate texture of the large, ruffled outer leaves. Cutting into the lettuce reveals a soft, folded, and blanched heart. Our selection of butterhead varieties includes adaptable and heat-tolerant varieties, for a continuous supply of butterhead lettuce throughout the season.



Casey

Strong disease package and medium-fast growth with good final weight. Glossy, medium-green heads. Strong root system for better heat tolerance.



Rex

Slow bolting and tolerant to tipburn, Rex performs extremely well for spring and summer production. Bright green, heavy heads.

Pelleted Seeds

Part #	Variety	Color	Bolt Tolerance	Frame Size	Disease Resistance
4623P	Casey	Green	Excellent	Large	HR: DM (EU 16–37; US 5–9), Nr, Pb.
2967JP	Rex	Green	Excellent	Large	HR: DM (EU 17, 18, 22, 24, 25, 29, 30, 33–35, 37; US 5–9).

ROMAINE



Romaine lettuce, also known as cos lettuce, has long, broad, upright leaves that hold themselves bunched together as they mature. Although romaine varieties are well known for the hearts at the center of the heads, the outer leaves can also be used in salads, as a tortilla substitute for wraps, and are delicious grilled.



Monte Carlo

Dark green, compact, mid-size romaine with a proven track record in hydroponic systems. An adaptable variety with strong tolerance to bolting and tipburn. Incredibly dense heads with a unique growth habit of savoyed leaves forming in a whorl. Very attractive, uniform, open-heading plants.



Gladius

High-performance romaine for hydroponics. Vigorous, slow-bolting romaine with a medium-large to large, upright frame which allows it to fit nicely in indoor systems. Tolerant to tip burn. Excellent performance in the Southern US. Market as whole heads or loose leaf in containers.

Pelleted Seeds

Part #	Variety	Color	Bolt Tolerance	Frame Size	Disease Resistance
3207JP	Monte Carlo	Green	Good	Medium	HR: DM (EU 16, 19, 21, 23).
4826JP	Gladius	Green	Good	Large	HR: DM (EU 16–31, 34, 36; US 5–9). IR: LMV.

OAKLEAF

True to its name, the individual leaves of oakleaf lettuce are deeply lobed and shaped like the leaves of oak trees. While generally grown as a leaf lettuce and picked at baby-leaf stage, oakleaf lettuces can also be grown for full-size heads.



Rouxai

Striking, deep cherry-red color and beautifully lobed leaves. Bright green interior makes a stunning contrast. Adaptable and highly uniform with good flavor and leaf texture.

Pelleted Seeds

Part #	Variety	Color	Bolt Tolerance	Frame Size	Disease Resistance
3061JP	Rouxai	Red	Good	Small	HR: DM (EU 16–30, 32, 33; US 5–9), Nr.

HYDROPONIC GROWER'S LIBRARY RESOURCES

Intro to Hydroponic Growing

Get the basics: types of hydroponic systems; how hydroponics differs from growing in soil; scheduling hydroponic crops; specialty techniques; and how to choose varieties for hydroponic production.

[Learn More](#)

Hydroponic Grow Media

An overview with comparison chart of 10 different hydroponic grow media types, with recommendations for flushing, sterilization, and related maintenance. [Learn More](#)

➔ To learn more, visit our [Hydroponic Grower's Library](#)

How to Grow Healthy Hydroponic Seedlings

A review of the basic seed-starting steps, plus primary environmental variables that affect plant health and productivity in hydroponic systems.

[Learn More](#)

Pests & Diseases of Greenhouses & Hydroponic Systems

An overview of common pests and diseases in protected-culture systems, with prevention basics and links to further reading. [Learn More](#)

HYDROPONIC BASIL



Most basil types and varieties can perform well in hydroponic systems, but which ones will perform best for you? With a few facts in hand, you'll be prepared to match your system to the best varieties.

Hydroponic & Container Basil Guide

Here's help getting your container and/or hydroponic basil production off to a successful start. [Learn More](#)

ADDITIONAL HYDROPONIC CROPS



We offer seeds for a wide range of hydroponic crops, including:

- Arugula
- Asian Greens
- Basil
- Beet Greens
- Cilantro/Coriander
- Cress
- Cucumbers
- Dill
- Eggplant
- Kale
- Microgreens
- Mint
- Mustard Greens
- Pac Choi/Bok Choy
- Rosemary
- Shoots
- Sprouts
- Swiss Chard
- Tomatoes

➔ See our full selection of Hydroponic Performers. [Learn More](#)



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