2019 Vegetable Variety Trial Garden
New York State, New York Seeds

To promote our citizen science project, Vegetable Varieties for Gardeners, an interactive site for vegetable ratings and links to seed sources, we are conducting a demonstration trial of over 25 varieties of vegetables, herbs, and flowers while promoting techniques for ecological gardening.

Cornell Cooperative Extensions and affiliated gardens across NYS plant and maintain demonstration sites for trial varieties which are then rated on the Vegetable Varieties for Gardeners website. http://vegvariety.cce.cornell.edu

Each bed in the design is approximately 3' x 3' feet. The beds may be combined in a 15'x15' design, as seen here, or laid out differently to accommodate the site.

The 2019 theme, New York State, New York Seeds, exhibits vegetables and other edibles grown from organic, locally adapted seed produced by Fruition Seed Company in Naples, NY. We hope to inspire you to try some of these varieties in your own gardens. For more information on this trial or to learn more about food gardening, contact your local cooperative extension office.

Rate these and other varieties, find seed sources, and more at: http://vegvariety.cce.cornell.edu

Vegetable Varieties for Gardeners

With special thanks to www.gardening.cals.cornell.edu
Bed 1: New York Heirlooms
1 planting of the following in each corner: Evening Colors Sunflower (1) with Haudenosaunee Skunk Beans (3) at base.
Sibley Winter Squash (1) in center of bed

Bed 2: All Season Pollinator Plants
Phacelia and Calendula 'Remembrance Mix' planted as you would like.
Or interplant with Yarrow, Wild Marjoram, and Echinacea from the 2018 trial.

Bed 3: Contain Yourself...
Dwarf Vates Kale (1 row)
Lemon Ice Tomato (1 plant - staked)
Paris Market Carrot (1 row)

Bed 4: Disease Resistance Makes All the Difference
Salad in Provence Mix (1 row)
Summer Sweetheart Tomato (1 staked)
Success PM Summer Squash
Salad in Provence Mix (1 row)

Bed 5: Unusual-ly Delicious
Lanro Kohlrabi (1 row)
Ginger (1 Plant)
Flashy Trout Back Lettuce (2 rows)

Bed 6: Ancient Grains are Awesome
'Black and Tan' Sesame (4 plants - 1 on each side of Quinoa planting).
'Rainbow' Quinoa in center (2 plants)
'Duborskian' Rice (3 plants per side - planted around the perimeter of the bed)

Bed 7: Edibles As Ornamentals
Rainbow Swiss Chard (1 row)
'Violetto' Pole Bean (grown on trellis)
Rainbow Lacinato Kale (1 row)

Bed 8: Heirlooms of Today and Tomorrow
Habanada Sweet Pepper
Peacework Sweet Pepper
Patisson Panache Patty Pan Squash
Peacework Sweet Pepper
Habanada Sweet Pepper

Bed 9: Much Ado About Cukes
Silver Slicer (1-2 trellised)
Green Finger (1-2 trellised)
Mexican Gherkin Cucumber AKA Mouse Melon (1-2 trellised)

Vegetable Varieties for Gardeners
New York State, New York Seeds

NY Heirlooms

Seed Saving Tip: Seed from Haudenosaunee Skunk Bean can be saved to grow the same next year, but needs to be isolated from other bean varieties or protected from cross pollination.

Interesting Fact: Sibley Winter Squash has Rochester roots! It was released in 1887 by the Rochester Seed Company - Hiram Sibley & Company

'Haudenosaunee' Skunk Bean
Phaseolus vulgaris
An HEIRLOOM that has grown in the Finger Lakes for centuries before Columbus arrived. Our indigenous Haudenosaunee (Iroquois) people have selected, saved, and shared these beans for untold generations. Very productive and one of the first dry beans to mature.

Sunflower 'Evening Colors'
Helianthus annuus
Autumnal hue petals with dark chocolate centers. Bi-color blooms range from 12+ inches to 4 inches wide, and commonly have smaller secondary blooms on sturdy 18 inch stems that are perfect for cutting. Easily growing 8 feet tall or more.

'Sibley' Winter Squash
Cucurbita maxima
The 5-8 lb. steel blue fruits of this productive heirloom have excellent flavor and texture and can store into June the following year.

With Special thanks to

Rate these and other varieties, find seed sources, and more at:

Vegetable Varieties for Gardeners http://vegvariety.cce.cornell.edu
New York State, New York Seeds

Pollinator Plants

Phacelia  Phacelia tanacetifolia
(aka Bee's Friend)  'Remembrance'

This native plant has lacy, fern-like leaves with dramatic lavender blossoms that invite pollinators to your garden. Annual, Grow in full to partial sun. 3' tall; 45 days to maturity.

'D Remembrance' Calendula
Calendula officinalis

The blossoms of this annual provide a brilliant diversity of colors and the flower petals are edible. It's drought tolerant and will naturalize if allowed to go to seed. Good in containers. Also attracts beneficial insects! 2' tall; 60 days to maturity.

DID YOU KNOW?
That including plants with varying types and sizes of flowers supports a wider variety of beneficial insects? Beneficial insects include pollinators and natural enemies of insect pests that can harm garden vegetables.

With special thanks to

FRUITION SEEDS
ORGANIC SEEDS for the NORTHEAST

Rate these and other varieties, find seed sources, and more at:

Vegetable Varieties for Gardeners
http://vegvariety.cce.cornell.edu
New York State, New York Seeds

Contain Yourself...!

Kale 'Dwarf Vates' Brassica oleracea
Blue-green curly leaves on compact plants. Extremely cold hardy and tender enough as baby greens raw. Leaves remain green even after months of freeze and thaw cycles in the fall and early winter. Days to Maturity: 8 days microgreen, 25 baby leaf and 50 days to full size.

Tomato 'Lemon Ice'
Lycopersicon lycopersicum
This dwarf variety grows 2.5 to 3 foot, is prolific and incredibly early. Fruits have relatively few seeds. Excellent choice for containers. Trellising recommended. 60 days to fruit.

Carrot 'Paris Market'
Daucus carota var. sativus
These round red-orange roots thrive in rock-laden and clay soils as well as containers. Roots are 1"-2" in diameter. 55 days to maturity.

Growing tips:
To reduce tomato plant disease - stake or trellis, mulch, and avoid wetting the leaves by watering at the base of plant.

After carrot tops are up, mulch around them with straw to prevent "green shoulders".

With special thanks to New York State, New York Seeds

Rate these and other varieties, find seed sources, and more at:

http://vegetablevarieties.cce.cornell.edu
Salad in Provence
Various species
Includes five diverse lettuces, three robust herbs (dill, chervil & cress) and six flavorful greens (including arugula). Harvest by clipping with scissors; most plants in mix will re-grow. Sow every 2 weeks for a continuous supply of tender baby greens.

Tomato 'Summer Sweetheart'
Solanum lycopersicum
Cornell’s cutting edge tomato with Late and Early Blight as well as Septoria resistance in a flavorful, creamy tomato perfect for salads, roasting and stuffing. Indeterminate plant; 75 days to fruit.

Summer Squash 'Success PM'
Cucurbita pepo
This yellow, bush squash has powdery mildew resistant and strong non-preference of cucumber beetles in Cornell’s squash trails. 50 days to maturity.

Tips for Success
Following good cultural practices and sowing seeds with natural genetic resistance to diseases can increase your gardening success and reduce the spread of disease in your garden!

A special thank you to:

FRUITION SEEDS
ORGANIC SEEDS FOR THE NORTHEAST

Rate these and other varieties, find seed sources, and more at:
Vegetable Varieties for Gardeners
http://vegvariety.cce.cornell.edu
New York State, New York Seeds

Unusually Delicious

Kohlrabi 'Lanro'  
Ginger  
Lettuce 'Flashy Trout Back'

Growing Tips:
Kohlrabi can be transplanted right after the last frost for an early summer crop or in August/September for a fall/winter crop. Grow in fertile, moist soil for more rapid growth & sweeter flavor.

Ginger: Rhizomes must be sprouted prior to planting and ginger requires hilling as it grows.

When to harvest lettuce:
Watch this video from Fruition Seeds.

Kohlrabi 'Lanro'  
Brassica oleracea  
Lanro is a standout among kohlrabi, getting large before becoming woody. Harvest roots when they are 2-3” in diameter. Sow every 2-3 weeks for continuous harvest.

Ginger  
Grown from rhizomes that are sprouted before planting into the garden or containers.

Lettuce 'Flashy Troutback'
Lactuca sativa  
A romaine dating back to the 1700s. Excellent flavor and notable bolt resistance, can be harvested as cut-and-come-again baby greens or as full, open heads of crunchy romaine lettuce. 28 days to baby and 50 days to full size. Ample water grows sweetest lettuce.

With special thanks to
Fruition Seeds

Organic Seed for the Northeast

Rate these and other varieties, find seed sources, and more at:

Vegetable Varieties for Gardeners

http://vegvariety.cce.cornell.edu
New York State, New York Seeds

Ancient Grains are Awesome

Sesame 'Black and Tan' (S on diagram)
Sesamum indicum Sesame is easy to grow. 3 to 4 feet tall with foxglove-like rose-pink flowers. Tolerant of drought & poor soils, it blossoms July through frost, yielding an abundance of sesame seeds. It’s seeds easy to harvest and clean using screens and fans. 95 days to seed.

Quinoa 'Rainbow' Chenopodium quinoa
5 to 6 foot spires of green leaves turn hues of russet, burgundy and ochre as the grains mature. Quinoa is not picky about soil but richer soil will grow taller, more robust plants.

Rice 'Duborskian' Oryza sativa (R on diagram)
Upland rice that you can grow in a garden without flooding. A short-grain hardy Russian variety well adapted to shorter growing seasons. When given adequate space (10" apart) they will tiller and send up additional seed heads (pannicles). Days to maturity 105.

Harvesting Tips:
Sesame - Harvest seed once golden pods begin to break open. See more on sesame here:  
Quinoa - Harvest the grains when seedheads begin to dry by cutting the entire uppermost stalk & threshing once they are completely dry.
Rice - Harvest as heads dry down but before they drop seeds or get moldy.

With special thanks to Fruition Seeds

Rate these and other varieties, find seed sources, and more at: 

http://vegvariety.cce.cornell.edu
New York State, New York seed

Edibles As Ornamental

Swiss Chard 'Rainbow' Beta vulgaris
This heirloom chard has vivid colored stems and leaves that range from lime green to dark purple-green. Sow in early spring and enjoy the same planting all the way through Thanksgiving! 25 days for salad greens, 50 days to full leaf. Also good for planting in containers.

Pole Bean 'Trionfo Violetto'
Phaseolus vulgaris
This French heirloom blooms pink, has reddish stems, and purple pods with nutty flavor and juicy-crisp texture! For best flavor and tenderness, harvest when the long, slender purple pods are thinner than a pencil.

Kale 'Rainbow Lacinato' Brassica oleracea
Selected for cold-hardiness, incredible stem and leaf color. This variety has more consistent lacinato leaf shape and summer tenderness. 25 baby leaf and 50 days to full sized plants.

Harvesting Tips:
Chard - Cut off outer leaves above the ground and new will grow.
Pole beans - keep picked to extend harvest. For best flavor, harvest before pods swell.
Kale - For baby leaves, sow every 3 weeks for continual harvest.

With special thanks to Fruition Seeds ORGANIC SEED for the NORTHEAST

Rate these and other varieties, find seed sources, and more at:
http://vegvariety.cce.cornell.edu
New York State, New York Seeds
Heirlooms of Today and Tomorrow

Patty Pan Squash
'Patisson Panache' Curcurbita pepo
A French heirloom that can be eaten as a summer squash or mature as a winter squash. Its flavor as a summer squash is notably more sweet and nutty compared to classic zucchini with a fine, firm texture that is especially good on the grill. 50 to summer squash, 100 days to winter squash.

Sweet Pepper 'Habanada'
Capsicum chinense
This heatless habanero was bred by Dr. Michael Mazourek of Cornell University. Once they begin to produce, Habanada is immensely abundant; expect to harvest at least a pint a week. 80 days to green, 100 days to orange fruit.

Sweet Pepper 'Peacework'
Capsicum annuum
The fruits of this open-pollinated sweet bell pepper, are medium-sized and blocky, though there is still some variability in shape. 55 days to green, 70 days to red fruit.

Growing Tip:
Don't over-fertilize pepper plants or they will become tall and lush and pepper production will be reduced.

With special thanks to
FRUITION SEEDS
ORGANIC SEED for the NORTHEAST

Rate these and other varieties, find seed sources, and more at:
Vegetable Varieties for Gardeners
http://vegvariety.cce.cornell.edu
New York State, New York Seeds

**Much Ado About Cukes**

**Cucumber 'Silver Slicer'**
*Cucumis sativus*
This sweet and juicy American slicer has ivory white, thin skin. 52 days to maturity.

**Cucumber 'Green Finger'**
*Cucumis sativus*
Bred by Cornell to thrive here in the Northeast. Produces abundant 8 to 10 inch cucumbers with exceptional flavor, crispness and small seed cavities. 75 days to maturity.

**Cucumber 'Mexican Gherkin'**
AKA Mouse Melon *Melothria scabra*
This heirlooms delicious 1 inch fruits look exactly like miniature watermelons! 4’ vines with crunchy fruits that sport a slight tang that grows stronger as they age. Children love to harvest and eat these marvelous fruits! 75 days to maturity.

**Disease resistance:**

**Silver Slicer** - Powdery Mildew, Mosaic Virus, and Scab

**Green Finger** - Powdery Mildew (means even more production, especially in cool or wet seasons).

**Mexican Gherkin** - traditional cucumber diseases - especially Powdery and Downy Mildews.

With special thanks to FRUITION SEEDS

Rate these and other varieties, find seed sources, and more at:

Vegetable Varieties for Gardeners

http://vegvariety.cce.cornell.edu