



MID-ATLANTIC GROUP

2025-2026

Seed Exchange Catalog

The 32nd annual edition of the Seed Exchange Catalog includes 766 seed donations contributed by 61 gardeners, from beginners to professionals. Approximately 93 new plants were donated for the first time. Donors and their donations make this seed catalog possible. Some of our donors have been with the Seed Exchange since the beginning 32 years ago, while most have joined somewhere in between. We realize how important this Seed Exchange is to HPS and to our members.

We have a new online ordering shop this year. And a new price category. We will still sell 25 packets of seeds for \$25 and for those who do not want that many packets of seeds we have 10 or less packets available for \$10.

We're sure you'll enjoy perusing this year's selections and you will find plants your garden can't do without! Since some listed seed is in short supply, you are encouraged to place your order early.

Our Catalog Staff

The HPS members who have worked to produce this catalog over the last three months form a talented and dedicated group to whom we are all grateful. Contact the team via email at seedexchange@hardyplant.org.

Susan Doblmaier..... Seed Exchange Chair
Carole Maher..... Retired Seed Exchange Chair, Donation Receiver, Proofreader
Sandy Vernick..... Retired Seed Exchange Chair
Lynn Cherry..... Data Entry, Proofreader
Mary Huis Data Entry, Proofreader
Mary Ann Thomas... Nomenclature, Code Master, Order Tallier, Proofreader

Our Seed Donors

Catalog listed seed was generously contributed by our members. Where the initial source name is followed by "/" and other member names, the latter identifies those who actually selected, collected, cleaned, and then provided descriptions to the members who prepared the catalog. Our sincere thanks to our donors—they make this Seed Exchange possible.

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HOW TO USE THIS CATALOG

Each list entry is identified by a combination of a six-character Plant Code and a Donor Code. The list is organized alphanumerically by plant code. We have listed each plant and the basic facts about it only once in the following format:

Plant Code Botanical name.

COMMON NAME. Plant type. Light requirements. Plant height × spread.
Bloom season.

After the plant name and basic plant facts, you'll find any further information from each individual who donated that particular plant as follows:

Donor Code Flower color. Donor's description of or comments about the plant. Germ: Donor's germination information, if provided. *Donor name.*

'Cultivar name' of plant from which seed was collected is identified, if available, within the botanical name. Please keep in mind that seedlings from cultivars may not come "true" from seed. They are not genetically identical to the parent. The seedlings they produce may look identical to the seed parent, may resemble the seed parent closely, or they may look very different from the seed parent.

Botanical name abbreviations

f.	form
subsp.	subspecies
syn.	synonym, alternate name
var.	variety

Plant types abbreviations

An	Annual
Bien	Biennial
Per	Perennial
TenBulb	Tender Bulb
TenPer	Tender Perennial
TenShrub	Tender Shrub

Plant name synonyms

At the end of the catalog is a list of the name changes that were made recently in the Seed Exchange database. As the newer name becomes more widely used, the HPS Seed Exchange catalog uses the newer name. The Synonym list has the older name of the plant, with the new plant code and new plant name underneath.

GERMINATION CODES, METHODS

Pretreatment

CMS Cold moist stratify. Sow in pot and place outside in January or February, or stratify by placing in the refrigerator for the required time in a sealed plastic bag containing a seeded pot, a mix of seed and some sowing mix, or a layer of seed within damp paper towels. (Seal bag well, since ethylene gas from fruit can affect seed germination.)

Frz Freeze the seed for the period noted.

NST No special treatment.

Scfy Scarify seed before sowing. Scarify means to penetrate the seed coat to allow water absorption, which thus speeds germination. This can be accomplished by abrasion, nicking, chipping, filing, threshing, soaking, dousing with boiling water, or other such means.

WMS Warm moist stratify. Same as for CMS, but at room temperature.

Light Requirements

BC Barely cover seeds.

D Requires darkness for germination. Cover with lid or aluminum foil to exclude light.

L Do not cover seeds; light is needed for germination.

SS Surface sow.

Temperature

BH Bottom heat, used for any seed requiring soil temperature more than 70°F.

C Cool, approximately 50° to 60°F.

R Refrigerate after sowing.

OW Overwinter outdoors.

W Room temperature, approximately 65° to 70°F.

Germination Time

Maximum time is listed in days (d), weeks (wk), months (mo), or years (yr).

Special Notes

Cycle Seeds require alternating periods of cold and warm to germinate.

Rtp Resists or resents transplanting.

SIS Sow *in situ* (directly in the garden).

SR Store seed (dry) in refrigerator before sowing. Note: this differs from CMS, which requires moisture.

REFERENCE MATERIALS

Nomenclature

The primary resources used to verify and update nomenclature for this list are the Missouri Botanical Garden Plant Finder and Royal Horticultural Society Horticultural Database.

Additional resources are the *List of Names of Woody Plants and Perennials* (internationalplantnames.com); the *Encyclopedia of Perennials* from the AHS, edited by Graham Rice; and the *Manual of Annuals, Biennials, and Half-Hardy Perennials*, by A. Armitage.

Germination

Bubel; *The New Seed Starters Handbook* (1988).

DeBaggio; *Growing Herbs from Seed, Cutting, & Root.* (2000)

Deno; *Seed Germination Theory and Practice*. (1993)

Ellis, Barbara; *Starting Seeds: How to Grow Healthy, Productive Vegetables, Herbs, and Flowers from Seed.* (2013)

Park Seed Company; *Success With Seed*.

Phillips; *Growing and Propagating Wild Flowers.* (1985)

Powell; *From Seed to Bloom.* (1995)

Abe0050 *Abelmoschus manihot* ORNAMENTAL OKRA, SUNSET HIBISCUS An. Sun. 6+ x 3'. Summer-Fall.
 0199 Pale yellow with maroon centers. Evenly moist soil, but tolerates drought, likes heat. Self-sows. Blooms with asters. Zone 7 *Cresson*
 0200 Hibiscus-like light yellow flowers. Zone 7a *Creveling*
 2504 Think of it as ornamental okra – 5" flat pale yellow flowers with chocolate at throat. Germ: Cold stratification improves germination. Zone 7b *Mills, M*
 9975 Pale yellow hibiscus-type flowers with burgundy eyes. A mid-late blooming annual in our region if direct sewn. Unique seed pods. Provide well-drained soil for the best results. Germ: Scfy. Soak in water 1 hr. BC. W. Max germination time 14 days. Zone 7b *Bartram's Garden*

Abe2000 *Abelmoschus sagittifolius* ARROWLEAF ABLEMOCHUS Annual. 6'. Full sun-partial shade. Summer.
 0522 Watermelon pink flowers. I have grown Abelmoschuses, Manihot, and Moschutus for years, but *A. sagittifolius* outshines them. It is in constant bloom for months! I grew it with *Salvia splendens 'Peach'*. Zone 8a *Kushner*
 2515 Deep-pink to red flowers with a white center. Stunning! The leaves are quite different from *A. manihot*. Germ: NST. Zone 7a *Doblmaier*

Ace0400 *Acer ginnala* AMUR MAPLE Tree. Sun/PtShade. 20-30 x 20-25'. Spring. Zone 3-8.
 1715 Zone 8b *Rosenblum*

Acm0050 *Acmella oleracea* EYEBALL PLANT, TOOTHACHE PLANT, PARA CRESS TenPer. Sun/PtShade. 12-18 x 12-15". Summer-Fall. Zone 9b-11.
 0592 Differs from the usual in shape and absence of contrasting color. Seems to self-sow independently of the eyeball sort. Both last well picked. Zone 6b *Malocsay*

Aco5500 *Aconitum superbum 'Kupres'* MONKSHOOD Per. Sun. Purple flower. Late summer/early fall. Zone 6-9.
 0032 Zone 8a *Plant Delights*

Act0800 *Actaea cordifolia* KEARNEY'S BUGBANE Per. PtShade/Shade. 4-5' x 2-3'. Summer. Zone 4a-9b.
 0032 Zone 8a *Plant Delights*

Act3100 *Actaea simplex Atropurpurea Group 'Brunette'* BUGBANE Per. PtShade. 4 x 2'. Fall.
 0118 Dark leaves. Stems are rich purple-brown. Pure white, upright, fragrant flower spikes in Sept. Not all seedlings will be as dark as 'Brunette'. Germ: WMS 3-4 wks. BC. If no germination, place in cool location (40 degrees F) for 2-4 weeks. Zone 6b *Stonecrop Gardens*
 0797 White flowers. Zone 6a *Robinson*

Adl0050 *Adlumia fungosa* CLIMBING FUMITORY, CLIMBING BLEEDING HEART Bien. PtShade. 6-8'. Summer-Fall. Zone 4a-8b.
 3436 Light pink blooms. Rosette the first year and 6' vine with flowers & seed the second summer. Germ: OW, SS, SIS. Flowers early summer the second year from seed. Zone 7b *Silberstein*

Ado1000 *Adonis aestivalis* SUMMER PHEASANT'S EYE An. Sun/PtShade. 18 x 6-8". Spring.
 1715 Orange or red blooms. Zone 8b *Rosenblum*

Aes0060 *Aesculus glabra* OHIO BUCKEYE Tree. Sun/PtShade. 20-40 x 20-40'. Spring.
 1228 Zone 7a *Labash*

Aes0350 *Aesculus parviflora* var. *serotina* 'Rogers' BOTTLEBRUSH BUCKEYE Shrub/Tree. PtShade/Full Shade. 10' H.
 3436 White blooms. Blooms 2 weeks after *A. parviflora*. Flower spikes longer. Taller grower. Does well in deciduous shade. Germ: CMS Zone 7b *Silberstein*

Aga2350 *Agastache barberi* 'Queen Nectarine' ANISE HYSSOP, HUMMINGBIRD MINT TenPer. Sun/PtShade. 3X3'. Summer-Frost.
 0592 Unfailing abundance guaranteed by watering through our severe drought of '25. Soft peach holds well picked. Nectarists mad for it of course. Will it hold true? Agastaches are often perennials in my windy cold garden and usually self-sow. Zone 6b *Malocsay*

Aga2380 *Agastache* 'Blue Fortune' Per. 1-4' in bloom. Summer-Fall.
 3483 Lavender-blue flowers from Summer into early Fall. Attractive to pollinators. Native. Zone 7a *Mrazik*

Agastache - Alcea

Aga2550 *Agastache cana* 'Heather Queen' Per. Sun. 3 x 2'. Summer/Fall.
0592 Per. Sun/PtSun. 2-3' X 1-2' Summer-Fall. Violet-pink blooms. Quick to bloom from seed, especially sown indoors in March. Transplants readily and blooms without stint, resisting light frosts. Agastaches in this garden are perennial though in no hurry to show it in spring. I'm going to try generous pinestraw mulch. Zone 6b *Malocsay*

Aga2600 *Agastache foeniculum* ANISE HYSSOP Per. Sun/PtSun. 3-5' x 1-2'. Summer. Zone 4-8.
1228 Blue flower. Uses: medicinal, culinary, edible flower. Bees love it. Germ: Needs warm soil. Zone 7a *Labash*
1918 Perennial. Grows 2-4' high. Foliage and pale purple composite flowers are fragrant. Blooms in midsummer to early fall. Full sun-part shade in well-drained soil. Will tolerate dry site once established. Attractive to hummingbirds and bees. Germ: NST. Zone 7a *Carey*

Aga2650 *Agastache rugosa* 'Golden Jubilee' ANISE HYSSOP Per. Sun. 3-5 x 1-2'. Summer-Fall. Zone 5-8.
0200 Per. Sun 3-5 x 1-2' Golden foliage with blue-lavender bottle-brush flowers summer-fall. A little shade will help protect foliage color. Zone 7a *Creveling*

Aga2830 *Agastache nepetoides* YELLOW GIANT HYSSOP Per. Sun/PtShade. 4-6 x 1-3'. Late Summer. Zone 2-8.
2502 Tall Native Agastache. I have it in morning sun in a somewhat moister garden area. Amazing pollinator - bees covered it when it bloomed in summer even though it had very small yellow flowers that opened a few at a time. Great sculptural shape. Deer browsed some of my plants, others were unscathed. A wonderful addition. Germ: Successfully winter sown in early February. Zone 7b *Huis*

Aga2950 *Agastache pallidiflora* var. *neomexicana* Sun. 2 x 3'.
0592 Quick to bloom, sown under lights in March. 2 - 3'. Summer to frost. Seems reliably perennial though slow to emerge. More vigorous than 'Heather Queen' and quieter but both are abuzz with nectarists. Like all A. foliage interest/fragrance. Zone 6b *Malocsay*

Aga4970 *Agave x amourifolia* HYBRID CENTURY PLANT Per. Sun. 3' x 5'. Zone 7-10.
0032 Leaves range in color from green to bluish green, most with a muted central yellow stripe and black/red teeth along the leaf edges. Each seed-grown plant is slightly different. Zone 8a *Plant Delights*

Aga5847 *Agave x pseudoferox* 'Bluebell Giants' HARDY CENTURY PLANT Per. Sun. 7' x 12'. Zone 7-10.
0032 Each seedling is different, but the consistent traits we've seen so far are fast growth rate, nice blue foliage, and upturned leaf tips. Zone 8a *Plant Delights*

Aga6300 *Agave univittata* Per. Sun. Dry. Leaves to 2'. Flower up to 15'. Summer. Zone 8-10.
1999 Tubular orange-to-yellow blooms above a rosette of green leaves with a pale central stripe; needs full sun and extremely well-drained, dry conditions. Germ: NST Zone 8a *Norfolk Botanical staff*

Age0770 *Ageratina altissima* var. *roanensis* Per. Sun/PtShade. Up to 6'. Summer-Fall Zone 3-8.
3561 The distinct mountain version of *Ageratina altissima* (recently elevated to species status), taller and with larger, boldly triangular leaves. The flower clusters are what really set it apart: larger, denser clusters of flowers, giving more a fluffy hydrangea effect than your average snakeroot. Zone 7a *Gorman*

Agri1800 *Agrimonia eupatoria* COMMON AGRIMONY Per. 4'. Summer. Yellow.
2517 Full sun Germ: BC,BH, NST Zone 7a *Weaver*
3865 Germ: CMS 10-30d. BC. BH. Max. germination time 2-6 wks. Zone 7b *Squire*

Alb1450 *Albuca bracteata* PREGNANT ONION Ten.Bulb/Houseplant. Sun/PtSun. 3'-4' tall. Zone 9-10.
1249 The common name of this above-ground bulb from South Africa is a nod to its method of giving "birth" to tiny clones of itself underneath its thin, transparent skin. Mature bulbs will throw up long spikes of tiny white and green striped flowers. Great conversation piece! Germ: Plant the bulbils pointed side up, just allowing the basal plate to touch the soil. Zone 8a *Finn*
2515 It bloomed the first year in December after spending time outside over the summer and then brought inside in October. This year it bloomed outside in July, produced seeds, and is blooming again inside. Produces many bulbils. You will be getting bulbils. White flowers on long stalks. Germ: NST. Zone 7a *Doblmaier*

Alc0050 *Alcea rosea* (all colors) HOLLYHOCK Bien./Per. Sun. 2 x 2'; from 6-8' in bloom. Summer.
0200 Lavender, pink, and white, blooms in singles and doubles to 6-8'. Germ: NST. Zone 7a *Creveling*
0797 Rose-colored flowers. Zone 6a *Robinson*

Alc1950 *Alcea rosea* (dark red) HOLLYHOCK Annual. 5-8' tall and 1-2' wide. FS. Zone 3-9.
0200 Dark red flowers. Zone 7a *Creveling*

Alc2400 *Alcea rugosa* HOLLYHOCK Per. Sun. 2 x 1½'; from 6-7' in bloom. Summer.
1017 Pale Yellow. Reliably perennial, midsummer bloom, good contrasting upright form. Zone 6a *Whitesell*

All4050 *Allium cernuum* NODDING ONION PerBulb. Sun/PtShade. 6-10 x 6"; from 1-1½" in bloom. Summer. Zone 4-8.
0522 Pinky purple blooms. Downfacing summer blooming alliums. Grass-like foliage. Zone 8a *Kushner*
1585 Pale amethyst flowers. A cheerful summer accent. Thrives on total neglect. Came into my garden via 2001-02 HPS/MAG Seed Exchange from Chanticleer. Zone 5b *Scofield*

All5300 *Allium flavum* YELLOW ONION, ORNAMENTAL ONION PerBulb. Sun/PtShade. 4-6 x 8"; to 8" in bloom. Spring-Summer.
0199 Bright yellow flowers. Silvery blue-green foliage. Zone 7 *Cresson*

All6080 *Allium 'Lavender Bubbles'* ORNAMENTAL ONION Bulb. Sun/PtSun. 1-1.5'. Dark purple. Late summer. Zone 4-8.
0590 Zone 7a *Mabony*

All6500 *Allium keeverae* 'Rocky Face' Per. Sun/PtSun. 18". Light pink flowers in spring. Zone 6-8.
0032 Rare, imperiled Southeast US native onion (G2 rank), which can only be found growing in calcitic seepages on granite domes on two Western NC counties. Zone 8a *Plant Delights*

All8200 *Allium trioccum* RAMP, SPRING ONION, WILD LEEK Bulb. Shade/PtShade. 8". Summer. Zone 3-7.
0199 White flowers. A local tradition is to gather and eat the young leaves with a strong scallion flavor. Flowers appear after leaves have died down. Woodland conditions. Zone 7 *Cresson*

All8300 *Allium tuberosum* GARLIC CHIVES, CHINESE CHIVES Per. Sun. 10-20 x 6"; to 2' in bloom. Summer-Fall.
3865 Germ: SS. W. Max. germination time 1-2 wks. Zone 7b *Squire*

Alo0500 *Aloe branddraatensis* ALOE TenPer. Sun. 4-6" x 12-18". Midwinter. Zone 9b-11.
1249 Distinctively striped South African maculate aloe with stunning panicles of red flowers in January. Superb specimen for the greenhouse or bright, sunny windows. Germ: Seeds germinate in 1 to 3 weeks in well-draining soil at temperatures between 70-80 ° F. Barely press seeds into soil, as light is beneficial for germination. Cover pot with plastic wrap to keep humidity high. Zone 8a *Finn*

Als0500 *Alstroemeria psittactina* PERUVIAN LILY Per. Sun/PtShade. 3 x 1½'. Summer-Fall.
0199 Red and green flowers. Rich moist soil. Hardy for 30 yr with mulch. Extended bloom midsummer to fall. Easy and reliable. Zone 7 *Cresson*

Ama1080 *Amaranthus cruentus* TASSEL FLOWER An. Sun. 7-8'. Summer.
0797 Dark purple flowers and foliage. Prefers hot, sandy, or gravelly soil. Best SIS early. Germ: BC; SIS. Zone 6a *Robinson*

Ama1500 *Amaranthus 'Hopi Red Dye'* An. Sun. 3-4 x 2'. Summer-Fall.
2937 Red blooms. Zone 6b *Bittmann*

Amm1050 *Ammi visnaga* An. Sun. 3-4 x 2'. Summer.
0200 White flowers. Plant looks like Queen Anne's Lace, but foliage is ferny. Great for arrangements. Germ: SIS. Self-sows. Zone 7a *Creveling*

Amo3000 *Arnoglossum plantagineum* INDIAN PLANTAIN Per. Sun. 4'. White. Summer. Zone 4-9.
0951 Cool seed heads. Germ: CMS Zone 7a *Tracey*
3865 Germ: CMS 6 wks. L. W. Zone 7b *Squire*

Amo3250 *Amorpha canescens* LEADPLANT Shrub. Sun, 2-3' x 2-2.5'. Summer-Fall. Zone 2-9.
1715 Zone 8b *Rosenblum*

Amo3255 *Amorpha canescens Arkansas form*
0032 Source: Pine Ridge Gardens Zone 8a *Plant Delights*

Amo3300 *Amorpha fruticosa* FALSE INDIGO Perennial Shrub. Full Sun. Spring. 4'-12' tall. Zone 4-9.
0592 This was offered in 2019-2020. I would have chosen the much shorter *A. canescens* not offered till 2020-2021. *A. fruticosa* might be seen as a tall shrub stand-in for a quick small tree casting a welcome bit of feathery shade. But, my two were so lithe and leaning they needed support. The other had to go - amazing root run deep and far-reaching. Be advised. Zone 6b *Malocsay*

Amsonia - Aquilegia

Ams0020 *Amsonia eastwoodiana* WOOLLY BLUE STAR Per. 8-24" x 12-24". Lavender and white flowers in spring. Zone 6-10. 0032 Drought tolerant once established. Does well in gritty, lean, rocky and well-drained soil. Zone 8a *Plant Delights*

Ams0035 *Amsonia fugax* Per. Sun. 20". White flower in spring. 0032 Zone 8a *Plant Delights*

Ams0250 *Amsonia illustris* OZARK BLUE STAR Per. Sun/PtShade. 4' x 18". Late Spring-Early Summer. 3483 Willow-like foliage with blue, star-shaped flowers in May. Native. Zone 7a *Mrazik*

Ams0270 *Amsonia illustris* 'Seventh Inning Stretch' SEVENTH INNING STRETCH BLUESTAR Per. Full sun to part shade. 3'. Spring. Zone 4a-9b. 2515 Blue flowers in May while the leaves are emerging. Green leaves in summer. Fall color is a butter yellow. In a wet area of my garden and doing fine. Germ: NST; OW. Winter seed sowing works best. Zone 7a *Doblmaier*

Ams1600 *Amsonia palmeri* Per. Sun/PtSun. 32". Bluish-white flowers in spring. 0032 Zone 8a *Plant Delights*

Ams3000 *Amsonia tomentosa* GRAY AMSONIA, WOOLLY AMSONIA Per. Sun/Pt Shade 0032 Zone 8a *Plant Delights*

Ane1230 *Anemone x hybrida* 'Honore Jobert' WINDFLOWER Per. Sun/PtSun. 3-4'. Fall. Zone 4-8. 0318 Zone 7a *Garnett*

Ane2250 *Anemone rivularis* HIMALAYAN WINDFLOWER Per. PtShade. 18". 1224 White blue/purple reverse Zone 6a *Lockhart*

Ang1050 *Angelica gigas* KOREAN ANGELICA Bien./Per. PtShade/Shade. 4-6' x 2-3'. Summer. Zone 5-9. 0118 Biennial to 5'. This terrific Barry Yinger introduction from Korea and Japan is a stunner. Dramatic, deep maroon, spherical flower heads emerge from red-flushed, bulbous, leafy sheaths above glossy green, dissected foliage. The afternoon sun intensifies the color and lends this plant another dimension. Please note that insects, especially hornets, also find it irresistible. Germ: CMS: 50 d, Cycle: keep pan at 25-39° for 6-8 wk, the 60° until germination, C, OW, BC. Zone 6b *Stonecrop Gardens* 0590 From 2023 Seed Exchange. 2 years to active flowering. Be patient, it's worth it. Pollinators loved it. Very floriferous. Second year foliage needed regular "grooming". Zone 7a *Mahony*

Ant0050 *Anthemis tinctoria* Per. Sun. 1½-2 x 1-1½'. Spring-Fall. 0592 Yellow blooms. Quick from seed, prolific self-sower, low dense foliage makes pleasing ground-cover, especially if spent bloom stalks are cut as flowers fade. Always a few thrusting up after early summer flush. Nosegay mainstay. Petals folded over let you know where crab spiders get their start in life, growing through greenish to perfect match yellow. Zone 6b *Malocsay*

Ant3050 *Anthriscus sylvestris* 'Ravenswing' BLACK COW PARSLEY Bien. Sun. 2½ x 2'. Spring-Summer. 0965 Tall, white flowers on perennial chervil. While the early summer umbels are just the icing on the cake, the plant is primarily grown for its purple-black ferny foliage, complements spring pastels. Excellent in spring. Suffers in summer heat. Germ: SR. Zone 8a *Umpbrey*

Aqu0050 *Aquilegia alpina* ALPINE COLUMBINE Per. Sun. 1-1½ x 1'; to 2½'. Late Spring-Summer. 1017 Fantastic large cobalt-blue flowers. Short lived, but seeds freely, and is a welcome presence. A very nice columbine. Zone 6a *Whitesell*

Aqu1350 *Aquilegia canadensis* EASTERN RED COLUMBINE Per. Sun/PtShade. 3 x 1'. Spring. Zone 3-8. 9968 Zone 7a *Roper/Chanticleer*

Aqu1445 *Aquilegia canadensis* 'Nana' COLUMBINE Per. Sun/PtShade. Spring-Summer. 0084 Red/yellow blooms. Dwarf form of columbine. Zone 7a *Bowditch*

Aqu3500 *Aquilegia rockii* ROCKS COLUMBINE 0522 Purple, lavender, white blooms. Bi-color. A nodding graceful columbine. Good trough plant as its flowers can be best appreciated. Zone 8a *Kushner*

Aqu4300 *Aquilegia 'Spring Magic'* COLUMBINE Per. Sun/Pt Shade. 14-20" H 0522 Purple-blue and white blooms. Compact columbine. Nodding short spur spring blooming flowers. Outer petals blue, inner ones white. Zone 8a *Kushner*

Aqu5000 *Aquilegia vulgaris* EUROPEAN COLUMBINE Per. Sun/PtShade. 2 x 1½'. Spring-Summer.
 0110 Purple Germ: SIS Zone 7a *Brown*
 0522 Deep purple blooms in late spring through early summer with gray-green foliage. Source: Niche Gardens. Germ: CMS or SIS. Zone 8a *Kushner*
 0592 Happenstance mix for many years now self-sow a variety of forms & colors though favoring tall dark blues. Sawfly larvae on foliage are preyed upon by birds feeding nestlings and many wasps. Germ: NST Zone 6b *Malocsay*
 9968 Zone 7a *Roper/Chanticleer*

Aqu5200 *Aquilegia vulgaris* 'Dorothy Rose' COLUMBINE, GRANNY'S BONNET Per. Sun/PtShade. 24-30" "H. Late spring- early summer.
 0522 Rose Pink blooms. A spurless double vulgaris Aquilegia is hose-in-hose (appears to have 10 petals). Zone 8a *Kushner*

Aqu5300 *Aquilegia vulgaris* 'Hedgleigh Bicolor' COLUMBINE Bien. PtShade. 25 x 12". Spring.
 0199 Blue with white center flowers on a self-supporting plant. Shorter than the species. A selection of Charles Cresson that breeds true. Zone 7 *Cresson*

Aqu5929 *Aquilegia vulgaris* (pink) COLUMBINE Per. Sun/PtShade. 2 x 1½'; to 3' in bloom. Late Spring-Early Summer.
 0522 Pink flowers. Gray-green foliage with short-spurred pink flowers. Lovely old-fashioned plant that gently self-sows to form colonies. If isolated, keeps true to color. Germ: CMS; W; or SIS. Zone 8a *Kushner*

Ara2095 *Aralia cordata* 'Sun King' JAPANESE SPIKENARD Per. PtShade. 3-6' x3-6'. Zone 4-8.
 0522 White blooms. Stunning herbaceous perennial that grows 3-6' tall in a season. Has large golden leaves that look lovely against plants with purple or dark leaves. Blooms late summer. Zone 8a *Kushner*
 0590 White flowers. Zone 7a *Mahony*

Ara2500 *Aralia racemosa* AMERICAN SPIKENARD Per. Sun/PtShade. 3 to 6+ x 4'. Summer.
 3079 Large leaves on a Native plant. White flowers in early summer and blue/black berries in the autumn. Zone 7a *Menke*

Arc1000 *Arctostaphylos patula* GREENLEAF MANZANITA Shrub. Sun. 3-6', spreading. Pink flowers in spring, Zone 5-10.
 1715 Zone 8b *Rosenblum*

Arg2100 *Argemone ochroleuca* MEXICAN PRICKLY POPPY, DEVIL'S FIG Annual. 3'. Full sun. Summer.
 9968 Pale yellow flowers. Late summer annual with prickly foliage and large blooms, 1.5' T, 1.5' W. Tolerates high heat and drought. Germ: WMS. SIS. Zone 7a *Roper/Chanticleer*

Arg2203 *Argemone platyceras* PRICKLY POPPY, CRESTED POPPY Annual/Perennial. Full Sun. 2'-3' tall. Summer
 9968 White flowers. Short lived perennial, often grown as an annual, Sun, well drained soil, 2.5" T, 1.5" W, Large, pure white flowers are 4-5" across, bloom from spring-fall. Foliage is finely cut, gray-green, and prickly. Can seed in. hardy from 6a-9a. Germ: Warm and moist (64F-72) for 2-4 weeks, then cold (25F-39) for 4-6 weeks, after germination (41F-54). L. SS. SIS. Zone 7a *Roper/Chanticleer*

Ari0500 *Arisaema consanguineum* COBRA LILY Per. PtShade. 2-3' x 1'. Spring Zone 5-9.
 1715 Zone 8b *Rosenblum*

Ari2010 *Arisaema flavum* Per. PtShade. 18". Summer.
 1715 Zone 8b *Rosenblum*

Ari2500 *Arisaema heterophyllum* COBRA LILY Per. PtShade. 2-3½ x 1'. Spring. Zone 5-9.
 2504 Green/maroon blooms, 4' tall in 3-4 yr. Spadix extends straight above spathe for 8". Germ: SR. Have had success with fall surface sowing in situ. Zone 7b *Mills, M*

Ari7250 *Aristolochia fimbriata* WHITE-VEINED DUTCHMAN'S PIPE TenPer. Vine. Sun/PtShade. 2' in a pot, 6' in ground. Summer. Zone 7-10.
 0592 Miniature vine whose fringed pipes and white-veined leaves have an interesting odor. One of many tropicals now reliably self-sowing in Pittsburgh. A pot of tubers in cellar cold store wake up in the dark, like Dahlias, before spring can be trusted so they get cold frame protection. Nectarists very keen. In '24 a Pipevine Swallowtail showed that it is an acceptable substitute for our native Aristolochia. I watched 2 magnificent caterpillars beat the odds and hatch the dazzling imago. In '25 - no such luck. Signs of feeding but no caterpiller proof. Easy from seed, transplants well, can be trained up in pots or let fall. Good vase life. Germ: Quick and easy from seed. Self sows in Pittsburgh. Zone 6b *Malocsay*

Arnoglossum - Asclepias

1249 Small, wiry vine with blue-green, heart-shaped leaves marked with silver veins. Host plant for the Pipevine Swallowtail, Battus philenor. The small "pipes" are fringed in gold hence the "fimbriata" description. Best used as a deciduous groundcover in sun to part shade in moist, rich soil. Drought- and deer-resistant. My plants reliably self-sow in my Zone 8A garden. Germ: To germinate, soak seeds in hot water for 24 hours, replacing the water as it cools. Sow in well-draining soil at 75 -85 °F. Cover pot with plastic wrap. Germination typically begins in a month. Zone 8a *Finn*

3436 Hardy in 7A. BC; W. Zone 7b *Silberstein*

Arn1000 *Arnoglossum atriplicifolium* PALE INDIAN PLANTAIN Per. Sun/PtShade. 3-6'. White. Summer. Zone 3-8.

3886 Gorgeous herbaceous perennial in the Asteraceae family that has a sturdy, light purple stem that stands out not just because of its height, but because of its unique foliage, which can get as wide as 8" and almost looks unreal . It's pretty adaptable and will grow in loamy, sandy, or rocky soil in dry to mesic conditions with full sun to light shade. Flat-topped clusters (corymbs) of tiny, white tubular flowers are almost insignificant but can be very prolific. It can set a lot of seed, and if the plants are cross-pollinated, it could be considered aggressive, so not great for small gardens. First-year plants may not flower. Zone 6a *Hortus Gardens/Levy*

Art2500 *Artemisia annua* SWEET ANNIE An. 4-6 x 3'.

1228 Zone 7a *Labash*

Aru1000 *Arum dioscoridis* var. *cyprium* Per. PtSun. 12". Zone 6-8.

0032 Emerges in fall, forming a clump of large, dark green leaves. In late April as the leaves prepare to go dormant, the clumps are topped with spathe and spadix inflorescences on short stalks- creamy yellow, with dark purple spots toward the center. Zone 8a *Plant Delights*

Asa0450 *Asarina procumbens* CREEPING SNAPDRAGON Per. Sun/PtShade. 2 x 24". Summer.

0951 Soft yellow blooms. Fun little creeper that self sows in our retaining walls and in sunny or partially shaded gravel areas. Attractive gray-green foliage covered with tiny hairs. Can even be used to trail out of shady planters for a seasonal display. Germ: NST Zone 7a *Tracey*

Asc0030 *Asclepias angustifolia* 'Sonoita' Per. Sun/PtSun. 24". Summer. Zone 7b-10b.

0032 Amsonia-like foliage, topped from May through September (NC) with terminal clusters of flowers that emerge as blush pink buds opening white. Zone 8a *Plant Delights*

Asc0100 *Asclepias curassavica* BLOODFLOWER, BLOODY MILKWEED TenPer. Sun. 3-4 x 1-1½'. Summer-Fall. Zone 9 to 11.

0043 Red/Yellow flowers. Great monarch attractor/food. Can be cut back for rebloom after the caterpillars feed. Zone 7a *Biderman/Barron*

Asc2500 *Asclepias incarnata* SWAMP MILKWEED Per. Sun. 3-4' x 2-3'. Summer. Zone 3-6.

1181 Pink blooms. Great for Pollinators. Germ: CMS Zone 7b *Cyphers*

Asc2900 *Asclepias incarnata* 'Large Marge' SWAMP MILKWEED Per. 4'-5'. Full sun. Summer. Note: This seed was originally donated to us under this name. The name was used by the donor and is not used in the trade. Please do not expect your A. incarnata to be as large.

0522 Pink flowers. A winner in the wilder garden. Taller than the straight species. 4'-5' tall. Branching stems. Small flowers followed by attractive seed pods. Zone 8a *Kushner*

Asc3700 *Asclepias syriaca* COMMON MILKWEED Per. Sun. 2-3'. Summer. Pink, white. Zone 3-9.

1228 Pinkish-mauve flowers. Uses: Garment trade and medicinal. Butterflies and other wildlife like it. Germ: CMS: 3-6 weeks. Zone 7a *Labash*

1999 Fragrant umbels of pink-to-purplish blooms in early summer; full sun (but tolerates partial) and average to dry soil. Germ: CMS 30 days. Zone 8a *Norfolk Botanical staff*

2502 These plants showed up in my garden this year on their own and they immediately attracted monarchs. They grew in full sun in dry poor soil and also in part shade. I have read that they can spread aggressively as the amount of wind-dispersed seed is remarkable but they are easy to remove where not wanted. Zone 7b *Huis*

3610 Zone 7b *Pavlovic*

Asc4010 *Asclepias tuberosa* BUTTERFLY WEED Per. Sun. 2-3 x 1-2'. Orange/Yellow. Summer-Fall. Zone 3-9.
 1249 This drought-resistant, full sun perennial is a host plant for the Monarch (Danaus plexippus) butterfly caterpillar. Grow with Callirhoe involucrata for an arresting combo. Plants are tap-rooted and resent disturbance. Germ: CMS for 30 days; germination will occur in 2 weeks upon return to 70° F. Zone 8a *Finn*

Asi1050 *Astima triloba* PAWPAW TREE Shrub/Tree. Sun/PtShade. 20 x 20'. Spring.
 0110 Germ: Plant 1" deep in a deep pot (large tap root) or in ground with well-draining soil. Keep moist at 70 deg. for germination- takes several weeks to months! CMS 70-100 days (this will have been completed- started 10/25) Zone 7a *Brown*

Asp0270 *Asparagus setaceus* 'Lowestoffe' Per. Sun. 8'. White flowers in spring. Zone 7-10.
 0032 Long twining stems, adorned with soft, but bristly dark green foliage and tiny white flowers in spring. In fall, the deciduous plants are covered with tiny red fruit. Zone 8a *Plant Delights*

Ast5700 *Astilbe chinensis* var. *pumila* CHINESE ASTILBE Per. PtShade/Shade. 9-30 x 9-12". Summer.
 0318 Lavender flowers in July-August. Prefer moist shade. Zone 7a *Garnett*

Ast5780 *Astilbe chinensis* 'Visions' Per. Sun/PtSun/Shade. Pink. Summer. Zone 4-9.
 0318 Zone 7a *Garnett*

Bac1050 *Baccharis halimifolia* GROUNDSEL BUSH, SALT BUSH Shrub. Sun. 3-10' x 3-10'. August to October. Zone 5-10.
 1249 Native to the coastal plains of the eastern United States. Tolerant of salt, drought and all types of soil. Plants are dioecious, so both male and female plants are needed for seed production. In autumn, female plants produce white, brush-like blossoms which give the look of snow and attract pollinators and bees. Birds enjoy the seeds. Suitable for coastal gardens, rain gardens, and erosion control. Germ: Sow seeds in sandy, well-draining soil. Seeds require darkness and temperatures between 75-85° F to germinate. Grow on cooler after germination. Zone 8a *Finn*

Bap1050 *Baptisia australis* BLUE FALSE INDIGO, PLAINS FALSE INDIGO Per. Sun. 3-5 x 2-4'. Early Summer. Zone 3-9.
 0045 Blue flowers on robust plant to 36" tall. Germ: WMS overnight; max germination time 1 year. Zone 7a *Bartlett*
 0200 Blue. Shrub-sized plant with blue-green foliage. Blue-black seedpods follow flowers. Zone 7a *Creveling*

Bee1000 *Beesia deltophylla* BEESIA Per. Shade/PtShade. 1.5 x 2'. May to June. Zone 6-9.
 0522 White. Tibetan evergreen groundcover for part to full shade. Lovely heart-shaped, glossy, deep green leaves. Flowers on 12" stalks in mid to late spring. Zone 8a *Kushner*

Beg1050 *Begonia grandis* subsp. *evansiana* HARDY BEGONIA Per. PtShade/Shade. 2 x 1½'. July to October. Zone 6-9.
 0522 Pink flowers on shade-loving perennial. Blooms July-October. 18-24" tall. Good companion to hostas and ferns. Zone 8a *Kushner*

Beg1060 *Begonia grandis* subsp. *evansiana* var. *alba* HARDY BEGONIA Per. PtShade/Shade. 2 x 1½'. Late Summer-Fall. Zone 6-9.
 0522 White flowers on shade-loving perennial. Blooms July-October. 18-24" tall. Appreciates damp soil. Good companion to hostas, ferns, and other shade plants. Zone 8a *Kushner*

Beg2500 *Begonia sutherlandii* TUBEROUS BEGONIA TenPer. PtShade. 1 x 1½'. Summer.
 0592 Small light orange blooms with gold anthers. Slow from bulbils (formed in leaf axils) but steady on from there. Graceful spilling from pot. Germ: NST Zone 6b *Malocsay*

Ber1975 *Berlandiera pumila* 'Chocoholic' SOFT GREEN EYE CHOCOLATE FLOWER Per. Sun. 36". Spring-Fall Zone 7-9.
 0032 2" yellow daisy flowers emit a chocolate fragrance- especially in the morning. A seed strain from Lee Co. Texas. Zone 8a *Plant Delights*

Bet0150 *Betonica officinalis* BISHOP'S WORT Per. Sun. 1.5-2'. Reddish-purple bloom May-June. Zone 4-8.
 3955 Self-seeding perennial flower. Pollinator-friendly. Medicinal properties. Germ: NST Zone 7a *Dubie*

Big1000 *Bigelowia nuttallii* NUTTALL'S RAYLESS GOLDENROD Per. Full sun. 10-15" tall. Late summer. Zone 5a-9b.
 9968 Yellow flowers. Herbaceous perennial reaching only 10-15" tall. This plant grows best in dry soils and full sun. Plants form tufts of threadlike evergreen foliage beneath bright yellow sprays of flowers in late summer. Germ: BC; NST; Surface sow and cover lightly with sand; Germinates in warm conditions. Zone 7a *Roper/Chanticleer*

Ble1000 *Blephilia ciliata* DOWNTY WOODMINT Per. Sun. 1-3 x 2'. Mid-Summer. Zone 4-8.
 0032 Zone 8a *Plant Delights*

Boehmeria - Callirhoe

Boe0070 *Boehmeria cylindrica* SMALLSPIKE FALSE NETTLE Per. Sun/PtShade. 3'. Zone 4a-10b.
1249 Indispensable native host plant for the Eastern Comma (Polygonia comma), Question Mark (Polygonia interrogationis), and Red Admiral (Vanessa atalanta) butterflies. Germ: NST, sow at 70° F. Zone 8a *Finn*

Bou3000 *Bouteloua chondrostoides* SPRUCETOP GRAMA Per. Sun. 1-2'.
0032 Grass. Native to AZ. Zone 8a *Plant Delights*

Bou4000 *Bouteloua curtipendula* SIDE-OATS GRAMMA GRASS Per. Sun. 8 x 12"; to 30" in bloom. Summer-Fall.
0032 Zone 8a *Plant Delights*

Bou4500 *Bouteloua gracilis* 'Blonde Ambition' BLUE GRAMA Per. Grass. Sun. 2.5'. Zone 3-10.
3079 Upright blue-green culms followed by chartreuse flowers and golden (or blonde) seedheads. Zone 7a *Menke*

Bou5000 *Bouteloua hirsuta* HAIRY GRAMA Per. PtSun. 30".
0032 Southern US native grass. Zone 8a *Plant Delights*

Bri0100 *Brickellia eupatorioides* var. *eupatorioides* FALSE BONESET, BRICKELLBUSH Per. Sun/PtSun. 1-5'. Zone 5-10.
3561 A fun, fine-textured boneset sibling; dark green leaves turning burgundy provide the backdrop for creamy flowers; imagine a well-behaved, savory Eupatorium. Drought-tolerant, deer-resistant, good paired with Liatris spp. and big bluestem; supports bumblebees, solitary bees and various Lepidoptera. Germ: CMS: 60 days Zone 7a *Gorman*

Bup1100 *Bupleurum griffithii* THROUGHWAX An. Sun./PtShade. 30 x 12". Summer.
2621 Neat, angular structure when young, then it is a gold green weaver. Nice in fresh and dry arrangements. Full sun, moderate moisture. Germ: C, NST. Can direct sow in autumn. Zone 7a *Nachlas*

Bup1400 *Bupleurum rotundifolium* THROW-WAX An. Sun. 2 x 1'. Summer.
1918 Chartreuse flowers. Hardy annual that flowers in early summer with chartreuse flowers surrounded by bracts. Makes a good cut flower. Sow in autumn or spring. Germ: NST. SIS. Zone 7a *Carey*

Cal0030 *Calamagrostis brachytricha* KOREAN FEATHER REED GRASS, ACHY BREAKY GRASS Per. Grass. Sun. 3-4 x 2-3'. Fall.
0590 3-4' x 2-3'. Pinkish inflorescences September. Takes shade well. Zone 7a *Mahony*

Cal1800 *Calliandra emarginata* POWDER PUFF BUSH TenShrub. Sun/PtShade. 4-5 x 3'. Spring-Summer-Fall-Winter repeat bloomer. Zone 10a-11.
0199 Red flowers. Tropical shrub with mimosa-like flowers. Blooms all year. Great for house or patio. Performs outdoors all summer and indoors all winter. Hummingbirds love it. Zone 7 *Cresson*

Cal2200 *Callicarpa americana* MEXICAN BEAUTYBERRY Shrub. Sun/PtShade. 6 x 5'. Spring-Summer.
0269 White flowers. A native shrub ranging from 3-6' tall and wide. Hardy to Zone 6. Insignificant flowers are followed by dense clusters of magenta-purple berrylike drupes. Full sun to part shade. Prefers rich, moist soil. Plants flower and fruit on new wood and can be pruned in winter or cut to the ground. Fruit attracts birds and other wildlife. Germ: BC. OW. NST. Zone 7b *Ellis*

Cal2450 *Callicarpa dichotoma* BEAUTYBERRY Shrub. Sun/PtShade. 4-5 x 4-5'. Summer.
0045 Purple, insignificant blooms. Shrub to 6' high and 6'-8' wide. Berries on arching stems from early Sept until hard frost. The easiest and hardiest of the beautyberries. Best in background of garden. Germ: NST Zone 7a *Bartlett*
1181 Insignificant flowers. Purple berries in August to October. Birds attracted to the berries. Germ: NST, BC. Zone 7b
Cyphers

Cal2500 *Callicarpa dichotoma* f. *albifructa* WHITE BEAUTYBERRY Shrub. Sun/PtShade. 5 x 5'. Summer.
0045 White (insignificant) blooms, white berries, on a 6' H X 6-8' wide arching shrub with white berries from Sept through hard frost. Fast growing. Put in the background for seasonal effect. Germ: NST. Zone 7a *Bartlett*
1181 White blooms in summer. White berries in fall. Fast-growing. Germ: NST, BC. Zone 7b *Cyphers*

Cal3250 *Callirhoe involucrata* WINE CUPS Per. Sun. 1 x 1-3'. Spring-Summer.
0032 Zone 8a *Plant Delights*
1249 Host plant for the Gray Hairstreak (Strymon melinus) and Checkered Skipper (Burnsius communis) caterpillars. Flamboyant fuchsia flowers pop in the border. Interplant with alliums or milkweeds to deter deer and rabbits. Plants are tap-rooted and resent disturbance. Germ: To soften the hard seed coat, first pour boiling water over the seeds and then allow seed to soak for 24 hours at room temp. CMS in fridge for 1 month. Plants self-seed when happy. Zone 8a *Finn*

Cal4130 *Caltha palustris* hybrid HYBRID MARSH MARIGOLD Per. PtSun/PtShade. 12-18 x 18'. Early Spring. Zone 4-7.
0199 Yellow flowers. Garden hybrids intermediate between our native *C. palustris* and the giant Caucasian native, *C. palustris* var major. These hybrids are larger flowered and more vigorous, excellent additions to the moist garden. Dormant by mid-summer. Zone 7 *Cresson*

Cam0200 *Camassia leichtlinii* var. *alba* CAMASSIA Bulb. Sun/PtShade. 2½'. Spring-Early Summer.
0045 Cream white blooms, on a 30-36" stem. Self sows. Not difficult. U.S. West Coast native. Germ: NST. Slow. Like many bulbs, cover with gravel. Transplant small bulbs in second spring. Max germination time 2 years. Zone 7a *Bartlett*

Cam0322 *Camellia chekiangoleosa x japonica* Shrub. PtShade/Shade. 8-10 x 8'. Late Winter-Early Spring. Zone 6a-9.
0199 Red or pink. Evergreen shrub with large single flowers earlier than most *C. japonica* cvs. Open pollinated 2nd generation from promising parents which include an early blooming hardier Korean *japonica* parent, so should be extra hardy. Flowers are very showy. You won't find this anywhere else. Zone 7 *Cresson*

Cam0335 *Camellia japonica* (from Korea) Shrub. PtShade. 15 x 10'. Spring.
0199 Deep red, single flowers with yellow stamens. Spring blooming but often opens some flowers in November. Parent plants grown from seed collected wild on Sochong Island off the north coast of Korea, coldest habitat of the species. The hardiest *C. japonica*, at least a half zone hardier (probably zone 6a, at least). After 40 years, these are becoming small trees here. Zone 7 *Cresson*

Cam0345 *Camellia japonica* 'Korean Fire' Tree. PtSun. 10-15' x 5-8'. Spring. Zone 6-9.
3176 Red flowers. Attractive slow growing evergreen shrub never damaged by cold. Starts blooming in February. Germ: Seeds were stored moist in the refrigerator. Zone 7a *Maber*

Cam0350 *Camellia oleifera* TEA-OIL CAMELLIA Shrub. Sun/PtShade. 15+ x 15+'. Fall.
3436 White blooms. Hardy at least to 6b. Flowers in fall. Sun to part or light shade in well-drained soil. Morning sun ideal. Germ: CMS: 60 d, BH, 40 d. One of the hardiest camellias. Ultimately a large, tree-like shrub. Zone 7b *Silberstein*

Cam0505 *Camellia oleifera* hybrid (semi-double, white) TEA-OIL CAMELLIA Shrub. Sun/PtShade. 15+x15+' Fall. Zone 6-9.
0199 White flowers. Parents with semi-double flowers from October to December. Seedlings will vary. Zone 7 *Cresson*

Cam0520 *Camellia oleifera* hybrid (fully double, deep pink) TEA-OIL CAMELLIA Shrub. Sun/PtShade. 15+ x 15+'. Fall. Zone 6-9.
0199 Dark pink flowers. Parent with fully double flowers from late October into December. Seedlings will vary. Zone 7 *Cresson*

Cam0730 *Camellia sasanqua* SASANQUA CAMELLIA Tree. 6-14' tall and 5-7' wide. FS-PS. Zone 7-9.
3436 White or light pink flowers in Fall. Broadleaved evergreen. From hardier hybrids. Germ: CMS 30 days. Zone 7b *Silberstein*

Cam0900 *Camellia sinensis* var. *sinensis* TEA PLANT Tree. 6-12' tall and 4-8' wide. FS-PS. Zone 6-9.
3436 White flowers in Fall. Broadleaved evergreen. Germ: CMS 30 days. Zone 7b *Silberstein*

Cam1000 *Camellia* 'Survivor' FALL-BLOOMING CAMELLIA Shrub. 8 x 5'. Fall.
0199 White flowers with faint tint of pink on edges. One of the hardiest of fall blooming *C. oleifera* hybrids with compact midsize habit. Seedlings will vary. Zone 7 *Cresson*

Cam1500 *Campanula americana* TALL BELLFLOWER Bien. Sun/PtSun. 1-2 x 3-6' in bloom. Summer. Zone 4-7.
0199 A much-branched annual bearing numerous small bell-shaped blue flowers over a long period. A spectacular native. Zone 7 *Cresson*

Cam5800 *Campanula trachelium* BATS-IN-THE-BELFRY, THROATWORT Per. Sun/PtShade. 3 x 1'. Summer.
0797 Long-lasting, deep blue flowers. Low foliage and tall flower stalks. Germ: NST. Zone 6a *Robinson*
1585 Blue flowers. Upright plant. Blooms for several weeks starting in midsummer. Zone 5b *Scofield*

Cam6010 *Campsis radicans* TRUMPET VINE Vine. 30'+. Full Sun to part shade. Summer. Zone 4-9.
1715 Yellow flowers. Germ: W; L; SS; Maximum germination time: 75 days. Zone 8b *Rosenblum*

Cam7010 *Campylotropis macrocarpa* Shrub. Sun/PtShade. 4 x 3'. Summer.
0592 Light purple blooms in late summer. Quietly pretty. *Lespedeza thunbergii* on a diet. Zone 6b *Malocsay*

Canna - Carex

Can5090 *Canna flaccida* GOLDEN CANNA Per. Sun/PtSun. 3-6'. Yellow. Summer.
0032 Open pollinated. Zone 8a *Plant Delights*

Can5100 *Canna x generalis* An. Sun. 3-6'.
2937-A Rose blooms. Seed is from 'Cannanova Rose' and should be a similar color and around 4-5' tall. Rhizome. Germ: Scfy, Soak. File through seed coat, soak in water, keep at a warm room temperature and change water daily. Once germination is obvious plant in soil. Zone 6b *Bittmann*

Cap0500 *Capsicum annuum* 'Acupulco Red' ORNAMENTAL PEPPER An. Sun. 8" tall. Summer.
2515 Strong red-colored fruit. Ornamental pepper that is lower-growing. Peppers are edible and spicy. Germ: NST. Zone 7a *Doblmaier*

Cap1120 *Capsicum annuum* 'Black Pearl' ORNAMENTAL PEPPER An. Sun. 12-20 x 12-18". Summer-Fall.
0269 A tender perennial grown as an annual for its nearly black leaves and bright red, round fruit. Great in containers. Germ: BH. Sow as you would any other pepper, 6-8 wk before the last frost date, and transplant after danger of frost once the soil has warmed up. Zone 7b *Ellis*

Cap1300 *Capsicum annuum* 'Calico' ORNAMENTAL PEPPER An. Sun. 12-18 x 12-16".
0269 Tender perennial grown as an annual and ranging from 18-24" tall. Handsome foliage splashed with purple and white. Dark cone-shaped peppers mature to red. Handsome in containers. Germ: BH. Sow as you would any other pepper, 6-8 wk before the last frost date, and transplant after danger of frost once the soil has warmed up. Zone 7b *Ellis*

Cap1350 *Capsicum annuum* 'Chilly Chili' ORNAMENTAL PEPPER An. Sun. 12 x 12-15". Summer-Fall.
2517 Grown mostly for attractive 2-2½" tapering fruit. Fruit begins greenish yellow, gradually turning orange and maturing to red. Annual. Germ: NST. Zone 7a *Weaver*

Cap1700 *Capsicum annuum* 'Masquerade' ORNAMENTAL PEPPER An. Sun. 10-12". Summer/Fall.
2517 Grown for colorful peppers not the white flowers. 1.5 inch slender peppers change from green to purple, orange and eventually red. Germ: NST. Sow indoors 6-8 weeks before last frost date. Transplant outdoors once soil has warmed or in containers. Zone 7a *Weaver*

Cap2100 *Capsicum annuum* 'Purple Flash' ORNAMENTAL PEPPER An./TenPer. 18-24 x 18". Summer-Fall.
0269 Handsome ornamental pepper with brilliant dark purple foliage splashed with paler purple and white. Great in containers. Small fruits mature from black to red. Full sun. Plants are 15 to 20 inches tall and wide. Germ: BH. Sow as you would any other pepper, 6-8 wk before the last frost date, and transplant after danger of frost once the soil has warmed up. Zone 7b *Ellis*

Cap2850 *Capsicum annuum* 'Shishito' SHISHITO PEPPER Annual. Full Sun. 2' tall
0002 Japanese chili pepper known for its mild, sweet and slightly smoky flavor. 1 in every 10-20 peppers will probably be spicy. Zone 7a *Bowell*

Cap3900 *Capiscum chinense* 'Aji Charapita' An. Sun/PtShade 2x2'.
0592 Compact in ground or pot, dotted with tiny orange balls. Zone 6b *Malocsay*

Car0750 *Cardiospermum halicacabum* LOVE-IN-A-PUFF, BALLOON VINE An. Vine. Sun. 12'. Summer.
1249 Unusual, semi-tropical annual vine with lacy, fern-like foliage, tiny white flowers, and unique inflated seed pods that resemble paper lanterns. Beautiful in arrangements but can be invasive in hot climates. The round black seeds, distinguished by a single white heart, are reflective of its genus name, *Cardiospermum*, meaning heartseed. Germ: Soak seeds overnight in hot water, then sow at 70 F for germination in 7 to 14 days. Zone 8a *Finn*
9975 White flowers. Twining vine with pleasing leaves, most notable for lantern-esque inflated, green, papery seed capsules. Germ: Scfy; 14-21 days germination time; W; SIS; Sow in pots or direct 1/4- 1/2" deep. Zone 7b *Bartram's Garden*

Car2020 *Carex cherokeensis* CHEROKEE SEDGE Per. FS/PS. 0.5-1' x 0.5-1'. Zone 6-9.
2497 Ornamental grassy mounds with deep green glossy arching leaves about ¼" wide. Generally evergreen. Tan seed heads resemble wheat. Deer resistant. Average-wet soil. Native to SE US Zone 8a *Mackey*

Car2300 *Carex crinita* FRINGED SEDGE Per. 1'-3'. Full sun-partial shade. Late Spring.
2497 Green/tan flowers. This sedge flowers in early summer and holds its interesting dangling seed heads through fall. Native to east coast. Zone 8a *Mackey*

Car2450 *Carex grayi* GRAY SEDGE Per. Sun/PtShade. 2-3'. Zone 5-9.
 2497 Moist soil. Native to eastern U.S. Unusual 3-dimensional puffy, pointy star shaped seed heads on clump-forming sedge. Deer and rabbits have not bothered this plant. Zone 8a *Mackey*

Car3450 *Caryopteris x clandonensis STERLING SILVER* BLUEBEARD Shrub. Sun/PtSun. 2-3 x 2'. Aug-Sept. Zone 5-9.
 0592 Per. Sun/PtShade 2X2'. Cut back in spring. This cultivar blooms later, smaller in stature, self-sowing true since 2017. Best transplanted as first-year seedlings watered faithfully. Try outing an established specimen - who would have thought it dug in so deep! Zone 6b *Malocsay*

Cas1000 *Castanea dentata* AMERICAN CHESTNUT, CHESTNUT Tree. Sun/Part Shade. 50-75' tall. Summer. Zone 5a-8b.
 0001 Chestnuts were the result of open pollination (viability not guaranteed). These chestnuts were the product of many years of dedicated research to ensure the purity of the line. Blight resistance is not inherited 100% of the time. Resistance is displayed once a tree is 1.5' in diameter at chest height. Prefer moderately acidic, sandy-loam soil in a well-drained location. Preferable to locate them on a slope for drainage facing east. Provide protection as seedlings. Zone 7a *Swenson*

Cea1040 *Ceanothus americanus* NEW JERSEY TEA Shrub. Sun/PtShade. 3 x 3-4'. Summer.
 0199 White blooms. An easy compact deciduous shrub widely native in the Eastern US that tolerates our summers and drought. Give it decent drainage. More people need to try this. Good rock garden background plant too. Was used as a tea substitute. Zone 7 *Cresson*

Cel0850 *Celosia argentea* (Spicata Group) COCKSCOMB, WHEAT CELOSIA An. Sun. 4 x 4'. Summer-Fall.
 2502 Slender pink tipped spike flowers. Prefers full sun to grow 4' tall Can be direct sown or started 6-8 weeks before last frost. If DS will bloom into November. Germ: BC; BH; SIS; 14-21 days to germinate; Will self seed. Zone 7b *Huis*

Cel1100 *Celosia argentea* species PLUMED COCKSCOMB An. Sun. Summer
 3269 Magenta flowers. Zone 7b *Simon*

Cel1110 *Celosia argentea* species PLUMED COCKSCOMB An. Sun. Summer.
 3269 White flower. Zone 7b *Simon*

Cen1550 *Centaurea cyanus* 'Black Ball' CORNFLOWER, BACHELOR'S BUTTONS An. Sun/Pt.Shade 28-36". Summer
 1477 Dark garnet blooms. A striking dark form of cornflower with rich, near black blooms. Seeds collected from plants whose seeds were originally collected from the renowned Great Dixter Garden. Germ: D. SIS. Zone 7a *Haskins*

Cep0550 *Cephalanthus occidentalis* BUTTONBUSH Shrub. Sun/Pt. Shade. 8'. Summer.
 0200 White flowers. Nice native shrub that is easy to grow. Zone 7a *Creveling*
 3483 White flowers in June/July that the pollinators love, especially bees. Native. Zone 7a *Mrazik*

Cep1250 *Cephalaria gigantea* GIANT YELLOW SCABIOSA Per. Sun/PtShade. 3 x 3'; to 7' in bloom. Summer.
 3682 Pale yellow flowers. Tall but see through. Zone 5b *Purdy*

Cer1310 *Ceratosteca triloba* 'Alba' AFRICAN FOXGLOVE, SOUTH AFRICAN FOXGLOVE An. Sun. 15-18". Summer.
 2515 Beautiful white flowers that resemble foxglove flowers. Even though I have saved the seeds of the white-flowered Ceratosteca, sometimes they revert back to the purple-flowered form. Germ: BH; NST. Zone 7a *Doblmaier*

Cer2050 *Cercis canadensis* EASTERN REDBUD, JUDAS TREE Tree. Sun/PtShade. 30 x 30'. Spring. Zone 4-8.
 1228 Magenta-pink flowers. Uses: Medicinal and edible flower. Bees and Butterflies like it. Understory tree. Germ: Scfy; WMS. Zone 7a *Labash*
 1715 Zone 8b *Rosenblum*
 3798 Pink flowers. Germ: Boiling water on the seeds, allowed to cool and soak for 24 hrs followed by 60d CMS. Zone 7a *King*

Ces2000 *Cestrum* species ORANGE PEEL CESTRUM
 3436 Orange blooms. 5-6' high. Germ: SR. Shrub which dies back in mid 20s and flowers on new wood. Easily hardy in zone 7 with a little mulch. Zone 7b *Silberstein*

Cha0200 *Chaenomeles speciosa* JAPANESE FLOWERING QUINCE Shrub. Sun/PtShade. 6-10 x 6-10'. Spring.
 0522 Scarlet to red blooms. Spring flowering (Mar-Apr) shrub. Not the prettiest shrub with its prickly, twiggy shape. Flowers are lovely though. Zone 8a *Kushner*

Chaenomeles - Clematis

Cha0450 *Chaenomeles speciosa* 'Toyo-Nishiki' FLOWERING QUINCE Shrub. Sun/PtShade. 6-10 x 6-10'. Spring.
0522 Pink, white and red blooms on same branches. A lovely quince when it blooms late Mar-Apr. Flowers before it leafs out. Best in full sun. Germ: CMS: 60+ d; SR. Zone 8a *Kushner*

Cha0640 *Chamaecrista fasciculata* PARTRIDGE PEA An. Sun/PtSun. 1-3 x 1-3'. Summer Zone 3-9.
3886 This reseeding annual has large, showy, yellow flowers that arise from leaf axils. Pinnately-compound blue-green leaves are oppositely arranged in groups of 8-15 pairs. Leaves bear many small, yellow-green leaflets which fold together when touched, and the bright yellow flowers have red stamens, providing bright summer color that can last a long time, which attracts both bees and butterflies. In the fall, the narrow seedpods add ornamental value and are often eaten by gamebirds and songbirds. However, if the pods aren't collected, the plant can aggressively reseed. Zone 6a *Hortus Gardens/Levy*

Cha1050 *Chasmanthium latifolium* NORTHERN SEA OATS PerGrass. Sun/PtShade. 3 x 2'. Summer/Fall. Zone 3-8.
2497 Native to eastern U.S. Clump-forming warm season grass. Seeds are tan, flat, oat-like clusters that dangle and move beautifully in the breeze. Easy from seed. Reseeds heavily, especially in moist soil. Deer have not bothered the plants in my dry shade woods. Zone 8a *Mackey*
2517 Per. 2'-4' H. Zone 3-8. An ornamental grass native to central and eastern U.S. Zone 7a *Weaver*
3483 Native, ornamental grass. This grass has flat, drooping seedheads that hang from slightly arching stems. Zone 7a *Mrazik*

Che2000 *Chelone glabra* WHITE TURTLEHEAD Per. PtShade. 2-3 x 2'. Summer-Fall. Zone 3-8.
0318 Pink flowers. Likes moisture. Will self-sow if happy. Zone 7a *Garnett*

Che2200 *Chelone lyonii* PINK TURTLEHEAD Per. Sun/PtShade. 3-4 x 2'. Summer.
0239 Rose-pink blooms from late summer through Sept. A pretty late blooming native, low growing (2'-3') perennial. Germ: CMS 40 degrees 42 days. Then 60 degrees until germination in 10-14 days. D. Zone 7a *Doering*

Chi0750 *Chimonanthus praecox* WINTERSWEET, JAPANESE ALL-SPICE Shrub. Sun/PtShade. 10-15 x 8-12'. Winter.
0522 Germ: SR. Zone 8a *Kushner*

Chi0800 *Chimonanthus praecox* 'Luteus' WINTERSWEET
0522 Purer yellow (no purple heart) than other chimonanthus. Stronger fragrance. High germination rate from seed. Source: Roslyn Nursery, 1996. Germ: CMS: 6 wk; C. Zone 8a *Kushner*
0965 Pale yellow. Wonderfully fragrant, winter blooming large shrub to 10 feet. Zone 8a *Umpbrey*

Chi1220 *Chionanthus virginicus* FRINGE TREE Tree. Sun/PtShade. 15-30 x 15-30'. Spring. Zone 3-9.
3886 Late to send out foliage in spring, this wonderful small tree in the olive family (Oleaceae) is totally worth the wait, because shortly after, the sweetly-scented flowers can completely cover a mature plant. The white flowers are strappy and fringe-like are small but plentiful and long-lasting. A dioecious plant that is often not-sexed in the nursery, male flowers are slightly larger and showier. If you can get one of each, the females produce olive-like drupes that start green and turn dark blue in the summer, and will persist on the branches until birds eat them. In the fall, the leaves can turn a bright yellow, which offsets the fruits in a highly ornamental way. Seeds are double-dormant. Zone 6a *Hortus Gardens/Levy*

Chl0500 *Chlorophytum bowkeri* AFRICAN SNAKE LILY Per. PtShade/Shade.
0032 Zone 8a *Plant Delights*

Cit1000 *Citrullus lanatus, pixie* cultivar PIXIE WATERMELON An.Vine. Sun.
0110 Germ: NST. Plant as you would other melons. Zone 7a *Brown*

Cit1010 *Citrullus lanatus, pixie* cultivar PIXIE WATERMELON An.Vine. Sun. Pink fruit and striped outer shell
0110 Germ: NST. Plant as you would most melons Zone 7a *Brown*

Cit1150 *Citrus trifoliata* 'Flying Dragon' BITTER ORANGE Tree. Sun/PtShade. 4-6 x 12-15'. Spring/Summer. Zone 6-10.
3436 White flowers. Very spiny. Flowers with *Cornus florida*. Contorted growth. Germ: CMS 30 days. Zone 7b *Silberstein*

Cle0850 *Clematis campaniflora* Vine. Sun. 6-20'. Summer.
0199 White flowers, tinted pale lilac. Masses of small viticella-like flowers in June and July. Zone 7 *Cresson*

Cle3800 *Clematis hexapetala* Vine. Sun. 25 x 3-4'. Summer.
1607 White bloom. Pruning group 3. Non-climbing. Germ: CMS 90d. Zone 7a *Jellinek*

Cle3830 *Clematis hexapetala* 'Mongolian Snowflakes' MONGOLIAN SNOWFLAKES SIX-PETALED BUSH CLEMATIS Per. Sun. 18". Zone 4a-7b.
3380 A bush clematis with 6-petaled white blossoms. Relatively long bloom time and excellent seed heads. Foliage remains a deep green and healthy throughout the season. Zone 7a *Jonas*

Cle5620 *Clematis 'Rooguchi'* Per. Vine. Sun/PtShade. 6-4'. Early Summer-Early Fall. Zone 4-8.
0522 Plum purple flowers. A nonstop bloomer for months. Dainty, ribbed, bell-shaped flowers. Zone 8a *Kushner*

Cle5700 *Clematis serratifolia* KOREAN CLEMATIS PerVine. Sun/PtShade. 8-15 x 2-4'. Summer-Fall. Zone 5-8.
0118 Soft, yellow nodding ball with violet stamens. Lemon-scented. Aug. to Oct. bloom. Fluffy white, showy seed heads. Germ: CMS 8wks. BC. Zone 6b *Stonecrop Gardens*

Cle6100 *Clematis terniflora* SWEET AUTUMN CLEMATIS Vine. Sun. 12-15'. Fall.
1228 White flowers. Cut flower. Pruning group 1. Germ: WMS. Zone 7a *Labash*

Cle6150 *Clematis texensis* SCARLET CLEMATIS, TEXAS CLEMATIS Vine. Sun/PtShade. Summer-Fall. 15 x 1½'. Summer.
1607 Rosy red, bell-shaped flowers of thick substance on a 6-10' vine. Blooms June-September. My plant from the 2003-04 Seed Exchange. One of my favorites. Zone 7a *Jellinek*

Cle6500 *Clematis vitorna* VASEVINE PerVine. Shade/PtShade. 6-12'. Summer. Zone 4-8.
2497 Purplish-red urn-shaped flowers with yellow interior, May-July. Native to eastern U.S. Grew well and flowered heavily in patio container in considerable shade. Germ: CMS. Winter-sown seed required 2 winters before germinating late summer. Zone 8a *Mackey*
9985 Fall seed structure is decorative. Native. Germ: Soak 24 hours then sow outside (sowing in fall is preferred). Zone 7a *Jenkins Arboretum*

Cle7300 *Cleome hassleriana* SPIDER FLOWER An. Sun. 3-6 x 3'. Summer-Fall.
1181 Bloom mid-summer to fall. Deer resistant. Easy to grow, Germ: NST, SIS, SS Zone 7b *Cyphers*
3955 Pink and white flower. Self-seeding, Germ: NST. Zone 7a *Dubie*
9991 This old garden favorite features purple to pink hues of whisker flowers that persist through October. Best grown in full sun in moist, well-drained soil though it tolerates dry even drought conditions. Germ: SIS Zone 7b *Barnes Arboretum*

Cle7350 *Cleome hassleriana* (mixed colors) SPIDER FLOWER An. Sun. 24 x 40". Summer.
2502 Mixed colors of purple, pink and white. Great pollinator - at dusk in the summer, the Cleome patch literally buzzes with all the bees. Highly recommend pinching at 6-12". Reseeds reliably. My many deer leave it alone. Germ: SIS Zone 7b *Huis*

Cle7500 *Cleome hassleriana* 'Violet Queen' SPIDER FLOWER An. Sun. 24 x 40". Summer.
0043 Darker purple than most. Great with other cleome or by itself. Will seed around, but easy to weed or move to where you want them (when small). Zone 7a *Biderman/Barron*

Cle7510 *Cleome hassleriana* 'White Queen' SPIDER PLANT An. Sun. 5-7 x 2'. Summer.
3269 Zone 7b *Simon*

cli3600 *Clitoria ternatea* BLUE PEA, BUTTERFLY PEA TenPer. Vine. 6-10 x 6'. Summer-Fall.
1999 Vivid deep-blue (sometimes white or pink) flowers on a twining vine; full sun to partial shade. Germ: Scarify or nick seed coat, then soak 24 h in warm water before sowing. Zone 8a *Norfolk Botanical staff*

cli3640 *Clitoria ternatea* 'Double Blue Sky' BUTTERFLY PEA Annual Vine. Full sun. 10' Vine Zone 9-11.
0965 Pale Blue blooms. Very floriferous, vining annual, more blooms than straight species. Germ: BH Zone 8a *Umpbrey*

Cod2010 *Codonopsis lanceolata* POOR MAN'S GINSENG, BONNET BELLFLOWER PerVine. Sun/PtShade. 3-8'. Late Summer-Fall.
0199 Green, spotted with maroon inside. Twining vine that thrives in our hot summers; perennial that dies to ground in winter. Resembles the cup and saucer vine, but hardy. Korean form. My plant from wild collection on Ullung Island, Korea. Zone 7 *Cresson*

Col1950 *Colutea arborescens* COMMON BLADDER SENNA Shrub. Sun. 8-10' x 3' x 5'. Zone 4-8.
3886 A deciduous, flowering, perennial shrub with a rounded habit in the Fabaceae family. It is a fast-growing, nitrogen fixing plant that has bright yellow pea-like flowers that appear in spring on the current season's growth and will often continue to bloom sparsely and intermittently throughout the summer. More interesting are the inflated, bladder-like, 3-inch-long seed pods that persist. Europe. Zone 6a *Hortus Gardens/Levy*

Conoclinium - Cucumis

Con0700 *Conoclinium coelestinum* BLUE MISTFLOWER Per. Sun/PtShade. 24-36". Midsummer-Fall. Zone 5-10.
0590 Very vigorous. Lots of blue-violet flowers first year. Grew in bottomless pot sunk in the garden. 18" - 24" height. Source HPS 2022. Germ: NST. SIS Zone 7a *Mabony*

Con1050 *Consolida ajacis* LARKSPUR An. Sun. 4 x 1'. Late Spring-Summer.
0043 Mix- light blue, pink, dark blue, white. Really great massed for middle summer show. Seeds around. Germ: SIS Zone 7a *Biderman/Barron*

Con1100 *Consolida ajacis (blue)* LARKSPUR An. Sun. 4 x 1'. Late Spring-Summer.
0199 Blue blooms. This classic annual self-sows and blooms in June on tall 5-6' plants. I think the blue strain is the most useful color, complementing everything else. Sow late winter in situ. Zone 7 *Cresson*

Cor1850 *Coreopsis tripteris* TALL COREOPSIS Per. 2-6'. Sun. Mid-Late Summer. Zone 3-8.
0951 Yellow. Germ: CMS Zone 7a *Tracey*
3483 Light yellow flowers. Tall Coreopsis has the flowers floating above the foliage, so can be mixed in a meadow-like planting very well. Native. Zone 7a *Mrazik*

Cor2700 *Cornus elliptica* EVERGREEN DOGWOOD Shrub. Sun/PtShade. 15-20 x 12-15'. Summer. Zone 7-9.
0522 White flowers. A lovely understory, semi-evergreen Dogwood. 15-20' tall. Notable for its thick, glossy, bright green leaves that turn purplish in the winter. Edible fruits. Introduced at the US National Arboretum in 1980 by Ted R. Dudley. Zone 8a *Kushner*

Cor2750 *Cornus florida* FLOWERING DOGWOOD Tree/Shrub. Sun/PtShade. Spring.
0084 Seeds collected from pink and white flowered trees. Native tree. Seeds have been in CMS since late October. Plant as soon as received. Germ: CMS: 90 d, C. Zone 7a *Bowditch*

Cor3050 *Cornus officinalis* JAPANESE CORNELIAN CHERRY Tree.
0522 Yellow blooms. Handsome understory tree 15-25'. Blooms before the leaves appear. Similar to *Cornus mas*, but the bark is more attractive. Oblong red fruits in the autumn. Zone 8a *Kushner*

Cor5000 *Corydalis cheilanthifolia* FERNLEAF CORYDALIS Per. 15 x 15". Late Spring-Early Summer.
0590 6-12" foliage. 12-18" with yellow flower. Attractive fern-like foliage. Self-seeds vigorously. Can form a dense mass. Germ: NST Zone 7a *Mabony*

Cos1420 *Cosmos bipinnatus* 'Picotee' COSMOS Annual. Full Sun. 2' tall. Summer to Fall.
0200 White/pink bloom. Germ: NST Zone 7a *Creveling*

Cos2500 *Cosmos sulphureus* YELLOW COSMOS An. Sun. 4 x 1½'. Summer-Fall.
0797 Yellow flowers. Very free flowering. More delicate than the usual white and pink *C. bipinnatus*. Germ: NST; L; W. Zone 6a *Robinson*

Cos2600 *Cosmos sulphureus* 'Cosmic Orange' An. Sun. 2-3 x 2-3'. Summer-Fall.
0627 Bright yellow-orange flowers. Self-sows. Zone 7a *McShane*

Cos2830 *Cosmos sulphureus* 'Mona's Orange' An. Sun. Summer-Fall.
2284 Red-orange with gold interior. Prettier than plain orange or yellow. Germ: Cover with 1/4" soil. BH. 14d germination. Zone 7a *Scherfcunningham*

Cra1270 *Crambe maritima* SEA KALE Per. Sun. 2-3'. Late Spring/Midsummer. Zone 5-9.
9968 Blue-green, kale-like foliage. Dense panicles of white flowers in June-July. Germ: Scfy. Direct sow in spring or start indoors, planting 1" deep at 60 degrees F. Zone 7a *Roper/Chanticleer*

Cra1900 *Craspedia globosa* DRUMSTICKS TenPer. Sun. 2-3'H Zone 8.
0592 Tufts of gray-green grassy foliage, namesake flowers soft yellow, good for drying. Aussie origin says it won't overwinter, but snug up against *Helictotrichon sempervirens*, who knows? Zone 6b *Malocsay*

Cro0120 *Crocanthemum carolinianum* 'Goldtender' CAROLINA ROCKROSE Per. Sun/PtSun. 6". Zone 7a-9b.
0032 Southeast US native. Yellow flower. Zone 8a *Plant Delights*

Cuc1000 *Cucumis melo* MINI CANTALOUPES An. Sun.
0110 From Baily's Dairy Farm in W. Chester. Small melon with wonderful flavor. Germ: NST Zone 7a *Brown*

Cuc1100 *Cucumis melo* var. *cantalupensis* CANTALOUPE An. Sun.
0110 Germ: Plant in mounds. Soil temp 65-70 degrees. 4' apart. Keep moist. Zone 7a *Brown*

Cuc1200 *Cucurbita moschata* BUTTERNUT SQUASH An.Vine. Sun.
0110 Germ: Sow in mound outside after last frost or 4 wks. before last frost indoors. Plant 1" deep, 4-6" apart. Zone 7a *Brown*

Cuc1300 *Cucurbita pepo* 'Delicata' DELICATA SQUASH An.Vine. Sun.
0110 Yellow with green stripes, elongated. Skin is edible after cooking. Germ: Plant seeds 1/2-1". 6-8 hrs sun. Sprouts 5-10 days. 100 days to maturity. Zone 7a *Brown*

Cuc1500 *Cucumis sativus* 'Lemon' LEMON CUCUMBER An.Vine. Sun.
0110 Loves to be grown on a trellis. Germ: Sow indoors before last frost or outdoors after last frost. Soil temp 60 deg. Zone 7a *Brown*

Cyc0700 *Cyclamen coum* (mixed forms)
0045 Pink to white blooms. A wonderful plant for late winter, flowering February-April. Plant where you can see them. They may naturalize. Super foliage. Probably at least 5A hardy. Does not like wet feet. Germ: Wash seed in very light detergent solution and rinse. Then soak overnight. Give complete darkness at 50-60 degrees for 28 days. Then uncover. Transplant at one year. Germination should begin by 30 days and may continue for up to a year. Zone 7a *Bartlett*
0199 Pink blooms. Seed from a fine plant with silver leaves and a green edge. Flowers in February to March. Zone 7 *Cresson*

Cyc1700 *Cyclamen hederifolium* Per. Shade. 5 x 5". Fall.
0045 Pink or white blooms. Flowers from late Aug to early Oct. A truly wonderful fall-blooming geophyte for light to moderate shade. They need dry feet. May naturalize. Germ: Soak overnight; C; D; 18 mo. Sow with grower grit. Hold seedlings in pot until after first dormancy. For germination, see ~Genus Cyclamen: In Science, Cultivation, Art and Culture,~ by Brian Mather. Zone 7a *Bartlett*

Cyc3000 *Cyclamen persicum* CYCLAMEN Per. Shade. 6 x 10". Winter. Zone 8-10.
0199 Pink blooms. Bulb. Silver-marbled, heart-shaped leaves. Doubtful outdoor hardiness, but makes a good plant for a cool windowsill. Summer dormant. My parent plant is 30 years old. Zone 7 *Cresson*

Cym1000 *Cymbalaria muralis* WALL IVY
0592 This dainty scroph will self sow from hell to breakfast if you're a careless cool composter like me. It's easy to weed but all too often I'm charmed by its improvisations. I offer it because in a sun-warmed wall or foundation, it is such a gift to the earliest nectarists who love it any time. Zone 6b *Malocsay*

Cyn0215 *Cynoglossum amabile* 'Mystery Rose' CHINESE FORGET-ME-NOT An. Sun/PtShade. 9-12". Spring-Summer.
9991 Cute annual with dusky pink flowers that beautifully unfurl and bloom through summer. Site in full sun in well-drained soils. Germ: Cover seed 1/4" deep NST Zone 7b *Barnes Arboretum*

Cyn2010 *Cynoglossum amabile* CHINESE FORGET-ME-NOT An. Sun/PtShade. 2 x 1'. Summer.
0592 Blue flowers spring to fall. I let it self sow its twinkle of blue - wherever. Zone 6b *Malocsay*

Dah2000 *Dahlia variabilis* Bishop's Children seed, pink TenPer. Sun. 2-2.5' x 2'. Pink
0590 Single neon pink flower. Zone 7a *Mahony*

Dah2020 *Dahlia variabilis* Bishop's Children seed, red TenPer. Sun. 3' x 2'.
0590 Burgundy stems, dark green foliage. Single red flower. Zone 7a *Mahony*

Dat2050 *Datura metel* ANGEL'S TRUMPET, THORN APPLE TenPer. Sun. 2-6 x 3-6'. Summer. Repeat bloomer. Zone 9-10.
2621 White trumpets have pleasant sweet smell esp. at night. Blooms until frost. Best in deep, well-manured soil. Heat loving. Germ: Easy germinate inside or direct sow. Zone 7a *Nachlas*

Dat3175 *Datura metel* 'Fastuosa' An. Sun/PtSun. 2-3'. Mid-late Summer.
0199 Purple flowers. Upright double trumpets. Thrive in heat with high fertility for best results. Zone 7 *Cresson*

Datura - Digitalis

Dat4000 *Datura 'Evening Fragrance'* DOWNTHORN APPLE Per. Sun/PtShade. 4-6'. White flower. Late Spring/Early Summer. Zone 9-10.
0590 From 2025 Seed Exchange. Slow to get up to size. Blue-green somewhat felty foliage. In large pots it was a disappointment- loose, thin habit. In the ground was much more dense, better performance. All parts of plant are poisonous. Zone 7a *Mahony*

Dau3050 *Daucus carota 'Dara'* FLOWERING CARROT, ORNAMENTAL WILD CARROT Bien. Sun. 2-3'. Summer. Zone 2-7.
2621 Tap roots. A rosy Queen Anne's Lace. Orig Chanticleer Zone 7a *Nachlas*

Dec0500 *Decatstea fargessi* BLUE BEAN TREE, DEAD MAN'S FINGERS Shrub. Sun 10-20" x 5'-10'. Zone 6-9.
3886 An unusual multi-limbed small tree or large shrub that typically bears 3"-5" long fruits that reach a deep blue color around Halloween time. The fruits are technically edible, and taste of tapioca, but the teeny seeds are bitter and should not be chewed. All parts of this shrub exhibit blue at some point, including the delicate bell-shaped flowers that are both yellow and light blue, as well as the initial foliage that starts off as a deep blue almost black color. Central and Eastern Asia. Germ: Seeds germinate readily. Zone 6a *Hortus Gardens/Levy*

Des0500 *Desmanthus illinoensis* ILLINOIS BUNDLE FLOWER Per. Sun. 2-3' x 2-3'. Zone 5-8.
3886 Occurs in prairies, thickets, glades, rocky slopes/open areas the midwestern, southern, and western United States. Flowering June through August, the ball-like clusters of small, whitish or greenish flowers on tall stalks rising in axils of compound leaves appear fuzzy due to long stamens projecting from each flower. These flowers are often visited by some small nectaring bees. Curved, dark brown seed pods (to 1" long) develop in clusters (or bundles) on the flower heads in late summer and persist into fall. The mature seeds are eaten by upland game birds such as pheasant, quail. Central and Southern US. Zone 6a *Hortus Gardens/Levy*

Des3000 *Desmodium canadense* SHOWY TICK TREFOIL Per. Sun. 2-6'. Summer. Zone 3-7.
3955 Native perennial. Seedpods that cling like Velcro. July-August bloom time, purple. Unhulled seeds in legume family (nitrogen fixer). Germ: Scfy. Zone 7a *Dubie*

Dia0400 *Dianthus barbatus* SWEET WILLIAM Bien. Sun. 1-2 x 2'. Late Spring-Summer.
2497 Biennial that frequently perennializes. Sun to part-sun. 1-2' tall in flower. Flowers in cool of spring and sporadically all summer. Easy from seed; some seedlings may flower first year. May reseed. Flowers heavily in garden bed that regularly hosts rabbits. Zone 8a *Mackey*

Dia4650 *Dianthus japonicus* SEASHORE PINK Bi/Per. Sun. 8-10". Pink. Spring-Summer. Zone 6-10.
0199 Deep pink flowers. Cottage garden type plant. Persists by self-sowing but well behaved. Zone 7 *Cresson*
1249 Full sun perennial forms rosettes of glossy, leathery, ovate leaves. Blooms continually from June to November. Winter foliage takes on a lovely, deep burgundy hue. Germ: NST, sow at 70° F. Easy peasy. Zone 8a *Finn*

Dia4690 *Dianthus knappii* WILD PINK, YELLOW CARNATION Per. Sun/PtShade. 12-18". Midsummer/Early Fall. Zone 3-9.
0592 Sporadic small single blooms, quietly pretty, with minute detail best seen picked. As with many non-mat dianthus, its laggard fragility is provoking. I scatter seed in support of perennial uncertainty. Zone 6b *Malocsay*

Dia5350 *Dianthus plumarius* COTTAGE PINK Per. Sun. 6-12 x 15". Early Summer. Zone 4-9.
0199 Pink blooms. Per. Sun. 6-12 x 15". June. This is a quintessential cottage garden plant for the front of a bed or rock garden. Flowers held above a mat of gray foliage. Some rebloom in summer. Zone 7 *Cresson*

Dic4650 *Dicentra torulosa* An./TenPer. Vine. Sun/PtShade/Shade. 12'. Summer.
0797 Lacy vine with small yellow flowers. Climbs up through shrubs. Self-sows everywhere. Germ: NST; BC; W. Zone 6a *Robinson*

Dig2500 *Digitalis grandiflora* PERENNIAL FOXGLOVE, YELLOW FOXGLOVE Per. Sun/PtShade. 1-1½ x 1'; from 2-3' tall in bloom. Late Spring-Summer.
0590 Pale yellow blooms. Zone 7a *Mahony*

Dig2510 *Digitalis grandiflora apricot tint* Bien/Per. Sun-PtSun. 2'. Early-mid summer. Zone 4-8.
0199 Soft yellow flowers with a light pink blush. Short-lived perennial that reblooms all summer with deadheading. Possibly a hybrid with *D. purpurea*. Zone 7 *Cresson*

Dig3020 *Digitalis lamarkckti* Per. PtShade. 3'.
0592 Widespread self-sowing creates one of this garden's best spring shows extended by its generous side shoots. The odd stout bells with single lower lip have 2 subtly different shapes. All nectarists treat them as unfailing honeywells. Sequential self-sowing offers some late bloom and small transplants to root in well ahead of winter. The glossy rosettes are beautiful year round. The spires - bouquet drama. Germ: NST. Zone 6b *Malocsay*

Dig3500 *Digitalis lutea* STRAW FOXGLOVE Per. PtShade. 6-12" x 12"; from 1-2' in bloom. Late Spring-Summer. Zone 3-9.
0797 Yellow flowers. Germ: BC; SIS. Zone 6a *Robinson*

Dig4050 *Digitalis purpurea* FOXGLOVE Bien./Per. PtShade. 2 x 2'; from 4-6' in bloom. Early Summer.
0797 Pink and white flowers. Zone 6a *Robinson*
3682 Purplish-pink tubular flowers on a spike. Zone 5b *Purdy*

Dig4150 *Digitalis purpurea* 'Alba' WHITE FOXGLOVE Bien./Per. Sun/PtShade. 2 x 2'; from 3-6' in bloom. Summer.
0084 White biennial that is probably from 'Snow Thimble' I had from Annie's Annuals in CA. Zone 7a *Bowditch*

Dip1050 *Dipsacus fullonum* TEASEL Bien. Sun/PtShade. 4-6' x 1-2'. Summer-Fall. Zone 3-8.
0797 Buff-colored flowers. Zone 6a *Robinson*

Dis6650 *Disporum uniflorum* FAIRY BELLS Per. PtShade. 18 x 12". Spring. Zone 4-9.
0199 Chinese/Korean woodlander bearing yellow bells in May. 2' stems stand all summer, ending in yellow fall color. Self sterile so grow several seedlings together to get blue fruit. Zone 7 *Cresson*

Dod1110 *Dodecatheon meadia* SHOOTING STAR Per. Sun/PtShade. 6 x 10"; from 16-24" in bloom. Spring.
1607 White flower. Germ: CMS 6-8 weeks; L; SS. Zone 7a *Jellinek*

Dod1310 *Dodecatheon meadia* f. *album* SHOOTING STAR Per. Sun/PtShade. 6 x 10"; to 16" in bloom. Spring. Zone 4-9.
0269 This native spring ephemeral bears white, downward-facing, cyclamen-like flowers above basal leaves. Plants disappear entirely by summer, so mark the location of the clumps. Germ: CMS, surface sow. Zone 7b *Ellis*

Dra2500 *Dracopis amplexicaulis* CLASPING CONEFLOWER Annual. Full Sun. 1-1/2-2' tall. Summer.
0592 Yellow petals, greenish brown cone. Smooth leaves clasp stem. Nice in bouquets - picked before finches start tearing into it. Germ: SIS is best. Zone 6b *Malocsay*

Ech0250 *Echinacea purpurea* PURPLE CONEFLOWER Per. SunPt/Sun. 2-5' x 1.5-2'. Summer-Fall. Zone 3-8.
1181 Purple flowers. 3-4' tall and 2' wide. Low maintenance perennial that attracts butterflies and the birds enjoy the seed heads. Germ: W; NST Zone 7b *Cyphers*

Ech0900 *Echinacea purpurea* 'PowWow White' CONEFLOWER Per. Sun/PtSun. 2-3'. Summer. White. Zone 3-8.
3380 Robust seedheads that emerge green and transition to golden orange, and white petals that are gently reflexed. Germ: BC, NST. Zone 7a *Jonas*

Ele0450 *Elephantopus carolinianus* ELEPHANT'S FOOT Per. Sun/PtShade. 2-3 x 2-3'. Late Summer-Fall. Zone 4-9.
9985 Zone 7a *Jenkins Arboretum*

Emi2000 *Emilia coccinea* TASSEL FLOWER An. Sun. 2 x 1'; to 3' in bloom. Summer-Fall.
0592 No end of red and orange volunteers all season long. Unruly maturity can be disciplined but easier to out it in favor of fresh starts. All the nectarists love it as do the birds that scatter its seed. Great for bouquets. Germ: NST Zone 6b *Malocsay*

Enn1000 *Ennealophus euryandrus* ARGENTINE BLUE IRIS TenBulb. PtShade. 10-12". Spring-Summer. Zone 7b -10b.
0110 Forms a clump of narrow, iris-like leaves, then over the summer dainty, purple flowers appear. Zone 7a *Brown*

Eri1600 *Erigeron pulchellus* 'Meadow Muffin' Per. Sun/PtShade. 3 x 6; to 10" in bloom. Spring.
0199 White, tinted pink, daisies with yellow centers in May. Rare and adaptable dense stoloniferous ground cover for dry shade or sun with dark green rosettes of hairy foliage. Differs from 'Lynnhaven Carpet' by rounder leaves in tighter rosettes. Zone 7 *Cresson*

Ero1000 *Erodium* species HERON'S BILL, FILAREE An. Sun.
0592 Nursery pot labeled only 'Sweetheart,' which it is, white touched with pink. Graceful low mound of hairy foliage long after bloom. The carpels look like a heron's beak, the seeds designed to plant themselves corkscrew-wise. I wintered a pot indoors until it started popping up everywhere - another cool compost vagrant. Transplants easily. The RHS list of Erodium species and cultivars says clearly to be on the lookout for other sweethearts. Germ: NST. Zone 6b *Malocsay*

Eryngium - Euphorbia

Ery0050 *Eryngium agavifolium* SEA HOLLY Per. Sun. 1 x 1-2; to 5' in bloom. Summer.
0199 Greenish white blooms. Dramatic perennial for its basal spiny-edged sword-shaped leaves and 3-5' flower spikes. Zone 7 *Cresson*

Ery3500 *Eryngium leavenworthii* FALSE PURPLE THISTLE An. Sun/PtSun. 2- 3', 3' in bloom. Summer-Fall.
9968 Blue-purple flowers. Annual. Sun, well-drained, average soil, 2' T, 2' W. Great cut flower. Foliage is blue-grey. Germ: CMS: 8-10 weeks sown in late autumn-early spring. May require a 2nd moist/cold stratification. Zone 7a *Roper/Chanticleer*

Ery5000 *Eryngium venustum* SEA HOLLY Per. Sun/PtShade. 1 x 2'. Summer. Zone 6-10.
1999 Creamy-white to silvery spiky flowerheads from summer into fall; silvery-gray spiny foliage forms a striking rosette. Highly drought-tolerant and deer-resistant. Full sun and very well-drained soil. Germ: Surface sow (light required), warm-moist stratify (WMS) 30 days followed by CMS 30 days. Zone 8a *Norfolk Botanical staff*

Ery5250 *Eryngium yuccifolium* RATTLESNAKE MASTER Per. Sun. 4 x 2'. Summer/Fall.
0590 Outstanding statuesque plants. Great structure in flower. Small pollinators loved it. Zone 7a *Mahony*
1249 Black Swallowtail host plant. Great in fresh or dried floral arrangements. Rabbit and deer resistant. Germ: CMS for 60 days, then sow at 70° F to germ in 2 weeks. Zone 8a *Finn*
3483 Greenish-white, ball-shaped flowers in the Summer. Thin, sword-shaped leaves. Native. Zone 7a *Mrazik*
3865 Germ: CMS 8 wks. BC. Max. germination time 1-6 wks. Zone 7b *Squire*

Ery5400 *Eryngium x zabelii* 'Big Blue' SEA HOLLY Per. Sun. 18-24". Summer. Zone 5-9.
0199 Blue blooms. Most impressive 4"-wide, steely blue flowers. Good drainage and drought tolerant. Zone 7 *Cresson*

Euc4500 *Eucomis autumnalis* PINEAPPLE LILY BulbPer.Sun. 10"-2'. Green/White. Late summer-fall. Zone 6b-10.
0951 Germ: NST. Zone 7a *Tracey*

Euo1050 *Euonymus americanus* HEARTS A BUSTIN', AMERICAN STRAWBERRY BUSH Shrub. PtShade. 4-6' x 4-5'. Spring. Zone 6-9.
9985 Fall seed pods are most decorative. Flowers are insignificant. Native. Germ: 2 year cycle or WCW (90 days each). These seeds have been warm stratified and are ready for cold cycle. Zone 7a *Jenkins Arboretum*

Euo1280 *Euonymus atropurpureus* WAHOO, BURNING BUSH Shrub. Sun/PtShade. 4-6'. Summer.
9985 Zone 7a *Jenkins Arboretum*

Euo1480 *Euonymus carnosus* FLESHY-FLOWERED SPINDLETREE Tree. Sun. 10-15'.
0522 A small tree with leathery, glossy, dark green leaves that turn dark purple in fall. Wonderful fleshy, pink fruit opens to expose black shiny seeds. Germ: CMS - 3mo; Scfy; BH, OW; SR. Zone 8a *Kushner*

Eup0700 *Eupatorium altissimum* TALL THOROUGHWORT Per. Sun/Shade. 4-6 x 2'. Late Summer-Fall.
0951 White flower. Germ: CMS Zone 7a *Tracey*

Eup2410 *Eupatorium pilosum* ROUGH BONESET Per. Sun/PtSun. 2-3'. White, pink bloom. Summer.
1875 Zone 6b *Stafford*

Eup5570 *Euphorbia corollata* FLOWERING SPURGE Per. Sun/PtSun. ½-3'. White. Summer-Early Fall. Zone 4-9.
1249 Perfect plant for a dry, exposed site. Takes a few years to become established, but worth the wait. Billowing clouds of white blossoms attract all kinds of interesting pollinators. Wonderful addition to wildflower bouquets. Germ: CMS for 30 days, then sow at 70° F to germ in 21 days. Zone 8a *Finn*

Eup6400 *Euphorbia heterophylla* TenPer. Sun/PtSun. 24-36 x 24-36". Summer. Zone 9a-11.
0199 Yellowish green flowers. The main attraction of this Central American annual is the red flower bracts, a muted version of its relative, the poinsettia. Vigorous bushy plants reach 2-3' in Sun/PtShade. Seed overwinters in the garden. Zone 7 *Cresson*

Eup6800 *Euphorbia lathyris* MOLE PLANT, CAPER SPURGE Bien. Sun. 2-4 x 1-2'. Summer.
0043 Unusual, handsome plant that develops caper-like seeds in round pods. A bit of a show stopper in our vegetable garden. Supposed to deter moles/voles. Will seed around. Can be moved when plants are small because it develops a deep/long tap root. Germ: NST. Self-sows. Zone 7a *Biderman/Barron*

Eup7600 *Euphorbia 'Rubicund'* SPURGE Per. 6"x 15". Full sun-partial shade. Spring.
0199 Yellow flowers. Hybrid of *E. myrsinites* and *E. rigida* made by Ed Bowen in Rhode Island. Sulphur yellow flowers in spring with glaucous grey foliage. A great perennial with reddish buds and pink flushed foliage from *E. rigida*. Drought tolerant Zone 7 *Cresson*

Eup7950 *Euphorbia stricta 'Golden Foam'* Per/Bien. Sun. 1X1'. Summer
0592 Airy dainty cloud of chartreuse flowers, varmint-proof, highly valued by nectarists. Cut-back prompts later show. Self-sows, picks well. Zone 6b *Malocsay*

Eur0100 *Eurybia divaricata* WHITE WOOD ASTER Per. PtShade. 2 x 2'. Summer-Fall.
0199 White flowers. Reliable woodland aster for dry shade. Native. Zone 7 *Cresson*

Eus0050 *Euscaphis japonica* KOREAN SWEETHEART TREE Tree. Sun/PtShade. 20 x 10-15'. Spring.
0522 A multiple interest specimen tree. Slender growth habit, flowers turn to red fruits bearing black seeds. Seeds resemble those found on Euonymous carnosus. Germ: CMS, Scfy. Zone 8a *Kushner*

Eut0390 *Eutrochium dubium* COASTAL PLAIN JOE PYE WEED Per. Sun/PtSun. 3-5'. Pink to dark purple bloom July-Sept. Zone 3-9.
1875 Zone 6b *Stafford*

Eut0500 *Eutrochium maculatum* JOE PYE WEED Per. 5-7 x 3'. Summer.
1875 Zone 6b *Stafford*

Eut0550 *Eutrochium purpureum* JOE PYE WEED Per. Sun/PtShade. 6-7 x 3'. Summer-Fall.
0200 Purple-rose flowers attract butterflies. Native Plant. Zone 7a *Creveling*

Fag1000 *Fagus grandifolia* AMERICAN BEECH Tree. Sun. 50-70 x 50-70'. Spring.
0522 Native to the eastern US. Zone 8a *Kushner*

Fag1900 *Fagus sylvatica Atropurpurea group* PURPLE BEECH, COPPER BEACH Tree. Sun/Pt Shade. 50-60'.
0522 This European Beech is smaller than the American beech. Notable for its purple leaves. Good autumn color. Zone 8a *Kushner*

Fat1050 *Fatsia japonica* Shrub. Sun/PtShade. 12 x 12'. Fall.
0199 Creamy white flowers in large, ivylike inflorescence in early-mid November. Large, dark evergreen leaves. Black fruit after a mild winter. Tolerates dry shade, prefers protection. Rated hardy in Zone 7b, but often bloomed in protected corner against house over 20 yrs. Zone 7 *Cresson*

Fic1000 *Ficus gomphrena* var. *laceratifolia*
3436 Part sun, Hardy in 7-B. Have not tried this outdoors. Germ: NST. Zone 7b *Silberstein*

Foe1700 *Foeniculum vulgare 'Purpureum'* FENNEL Per. Sun. 4-6'. Summer. Zone 5+.
0118 This Sweet Fennel has gorgeous purple-bronze, feathery foliage. Fine, straw-yellow umbels contrast beautifully with the anise-scented leaves. A great foil in the flower garden. Germ: SS. W. NST. Zone 6b *Stonecrop Gardens*
3865 Germ: SS. W. Max. germination 7-14 d. Zone 7b *Squire*

Fri2000 *Fritillaria thunbergii* THUNBERG FRITILLARY Bulb. Sun/PtShade. 2-3' tall. March-April. Zone 6-8.
0032 Zone 8a *Plant Delights*
0199 Pale yellow-cream. One of the easier species to grow. Narrow leaves tipped with tendrils can grab adjacent shrubs for support. Rich soil with good drainage. Tolerates some summer moisture. Zone 7 *Cresson*

Fuc1020 *Fuchsia batzii* LADY'S EARDROPS Woody. Sun/PtShade. 2-3 x 2-3'. Summer-Fall.
0199 Red and purple flowers. Another hardy species similar to *F. magellanica* but with narrow 4" glossy leaves and a graceful vase-shaped habit. Grow outdoors as a hardy perennial and mulch in winter for extra protection. Lots of tasty purple-black fruit. Previously offered as *F. regia*, a similar species. SW Brazil. My favorite hardy 7 fuchsia! Zone 7 *Cresson*

Gal2010 *Galtonia candicans* SUMMER HYACINTH Bulb. Sun/PtShade. 3-4'. White. Summer. Zone 7-10.
1017 White blooms. Hardy summer-flowering 30-42" bulb. Reliably hardy bulbs in Zone 5b for 12 years, midsummer bloom, fragrant. Zone 6a *Whitesell*

Gentiana - Habranthus

Gen0500 *Gentiana andrewsii* BOTTLE GENTIAN, CLOSED GENTIAN Per. PtShade. 1-2' x 1-1.5'. Summer-Fall. Zone 3-8.
0239 Azure to dark blue blooms. Deep blue flowers on 18"-24" plants. Good native wildflower for the part shade garden.
Called Bottle Gentian because flowers never open. Germ: L, SS. Sow immediately on porous sandy soil mix. Keep moist at 55-65 degrees. Store seed in refrigerator with desiccant. Zone 7a *Doering*
9985 Blue flowers. Germ: CMS 90 d, R, SS. Zone 7a *Jenkins Arboretum*

Gen1680 *Gentiana dahurica* Per. PtShade. 16 x 10". Late Summer.
0199 Foot wide basal rosettes of long narrow leaves produce lax stems of deep true blue flowers with white throats in late summer. Easy to grow in well drained lime free soil. Zone 7 *Cresson*

Ger2300 *Geranium macrorrhizum* BIGROOT GERANIUM Per. Sun/PtSun. 1-1'1/2'. Purple, pink bloom May to July. Zone 4-8.
0269 Zone 7b *Ellis*

Ger2310 *Geranium macrorrhizum* 'Album' Per. Sun/PtSun. 1'. White bloom in spring-summer. Zone 4-8.
0269 Zone 7b *Ellis*

Gil1000 *Gillenia stipulata* AMERICAN IPECAC Per. PtShade. 2 x 1'. Spring-Summer.
1875 Zone 6b *Stafford*

Gla0090 *Gladiolus* 'Boone' PerBulb. Sun. 3'. Summer.
0084 Bloom color yellow to peach. Small cormlets ready for dry cool winter storage; Plant out in spring. These are descendants of corms I got in the 2020-2021 HPS Exchange - a hardy gladiolus. Zone 7a *Bowditch*

Gla0500 *Gladiolus communis* ssp. *byzantinus* Ten Bulb. Full Sun/Pt Shade. 1'-2'. Late Spring. Zone 7.
0199 Pink flowers. Unlike the better-known African gladiolus, this hardy southern European native is late spring blooming and summer dormant! Flowers are intense pink. Has been hardy here with a mulch. Zone 7 *Cresson*

Gla1070 *Glaucium flavum* x *grandiflorum* HORNERD POPPY Bien. 2-3'. Sun/PtSun. Summer. Zone 6-9.
9968 Orange-yellow flower. Poor and dry soils. Summer flowering. Germ: CMS: 14 days. SIS. If germination does not occur after 3-4 weeks, a cooling period of 2-4 weeks is recommended. Zone 7a *Roper/Chanticleer*

Gom1080 *Gomphrena* species GLOBE AMARANTH TenPer.
0590 Purple flowers. Up to 18-24" tall in flower. Zone 7a *Mahony*

Gos0050 *Gossypium herbaceum* LEVANT COTTON An./TenPer. Sun. 2-1/2 x 1 1/2'. Summer-Fall.
0590 2" diameter burgundy "globes" burst open to reveal white cotton interior with seeds attached. Excellent clean foliage. Crepe-papery flowers somewhat hidden by the foliage. Zone 7a *Mahony*

Gos0055 *Gossypium herbarium* 'Albe Red Variegated' COTTON Annual. 2-3'. Full sun. Summer. Zone 10.
9991 Dramatic foliage in tones of burgundy, pink, green and cream. Light pink flowers emerge as the summer heat hits followed by cotton balls with white fluffy cotton inside in the fall. Germ: Sown 1/4" deep in 4" pots in a warm, brightly lit location around mid March will yield 3' plants by fall. Zone 7b *Barnes Arboretum*

Gym1500 *Gymnaster savatieri* var. *pygmaeus* Per. PtShade. 2 x 12+; to 6-8" in bloom. Summer.
0199 White flowers. Wonderful ground cover for shaded rock garden and dwarf rhododendrons. Well behaved, slowly expanding mat of dark green foliage. Small white daisies early to midsummer. Very rare Japanese native not known to be available anywhere in U.S. Given to me years ago by the late Harold Epstein, who probably brought it back from Japan himself. See: "Flora of Japan". Very choice but easy. Zone 7 *Cresson*

Gym1800 *Gymnocladus dioicus* KENTUCKY COFFEE TREE Tree. Sun. 70 x 50'. Spring. Zone 3b-8.
1999 Greenish-white blooms in late spring, followed by long, leathery brown pods. Large bipinnate leaves drop early. Full sun to part shade. The roasted seeds were once used as a coffee substitute (though the raw seeds are toxic). Germ: Scarify hard seed coat and soak 24 h before sowing. Zone 8a *Norfolk Botanical staff*

Hab2500 *Habranthus robustus* PINK RAIN LILY TenBulb. Sun/PtShade. 1'. Summer. Zone 8a-10b.
1249 Naturalized bulb from South America. Sweetly fragrant outward facing pink flowers. Adores heat and humidity. Will reseed and colonize an area when happy. Grows like grass! Germ: NST, sow at 70-75° F and cover pot to retain humidity. Zone 8a *Finn*

Hab3000 *Habranthus* species mix RAIN LILY
0522 White blooms. Sideways bloomer. Larger than zephyranthes. Zone 8a *Kushner*

Hel0150 *Helenium autumnale* SNEEZEWEED Per. Sun/PtShade. 3-5 x 1½'. Fall.
1181 Yellow flowers. Blooms summer into fall. Zone 7b *Cyphers*

Hel0160 *Helenium autumnale* 'Rotgold' SNEEZEWEED Per. Full Sun. 3-4' tall. Late Summer. Zone 3-8.
3483 Yellow and rust-red flowers. Native. Zone 7a *Mrazik*

Hel0400 *Helenium flexuosum* PURPLE-HEADED SNEEZEWEED Perennial, Full sun, 1'-3' tall, late summer.
3865 Germ: CMS 30-60d. SS. OW. Max. germination time 14-21d. Zone 7b *Squire*

Hel1180 *Helianthus argophyllus* SILVERLEAF SUNFLOWER An. Sun. 4-6'. Late summer-fall.
0592 Another Cresson treasure. His description - "Foliage covered in silky white hairs creates a striking silver foliage contrast to bright yellow flowers. Branching habit produces numerous medium size flowerheads." My only seeding (sown under lights) was sizing up nicely, chicken-wired against rabbits, till a trap-wary groundhog's persistence caged it in 4' fence wire sides and top. Yet it went on to loom 12' high, splendidly floriferous. Seed in short supply may relate to finches having all day to assess ripeness. Indoors, the foliage is a subtle grey as if to suggest that this is the watercolorist's sunflower. Add Artemisia 'Powis Castle' and rest assured Zone 6b *Malocsay*

Hel1700 *Helianthus* 'Lemon Queen' Per. Sun. 8-10 x 8-10'. Summer-Fall.
3483 Tall, perennial sunflower with smaller, lighter yellow flowers. Native. Zone 7a *Mrazik*

Hel1950 *Helianthus* 'Sunshine Daydream' SUNFLOWER Per. 5'-6' x 2'-4'. Yellow flowers in July/Aug Zone 4-8.
0592 Yellow semi-double flowers June/Aug. RHS recommends division but this cultivar has self-sown for years, gold-netted foliage fading to green by summer's end. Loved by nectarists, picks well. Best in relaxed, informal situations. Zone 6b *Malocsay*

Hel5010 *Helleborus argutifolius* Per. PtShade. 4 x 3'. Winter/Spring.
0199 Slightly hardier form from Montrose Nursery. Germ: Sow now, don't expect until fall or next spring. Zone 7 *Cresson*

Hel5080 *Helleborus croaticus* CROATIAN HELLEBORE Per. Pt/Sun. 6-12". Lavender flowers in late winter/spring. Zone 6a-8b.
0032 Zone 8a *Plant Delights*

Hel5450 *Helleborus foetidus* (Hungarian form) BEARPAW STINKING HELLEBORE Per. Sun/PtShade. 2½ x 1½'. Winter-Spring.
0199 Greenish flowers with a red edge. Characterized by glaucous foliage and longer, narrower leaf segments. Native near Sopron, Hungary. Zone 7 *Cresson*

Hel7250 *Helleborus x hybridus* (white picotee) Per. PtShade. 1½ x 1½'. Winter-Spring.
0199 Nice, white to pinkish flowers with a reddish pink picotee edge and central markings. Originally from Gisela Schmiemann. Comes true from seed but markings and color vary. Germ: Sow immediately in pots or nursery bed; don't expect seedlings until next fall or spring. Zone 7 *Cresson*

Hel7570 *Helleborus x hybridus* 'Tropical Sunset' Honeymoon Series Per. Sun. 12". Early spring. Zone 3-8.
0199 Yellow/pink flowers. Zone 7 *Cresson*

Hel7790 *Helleborus multifidus* subsp. *bocconei* Per. PtSun/PtShade. 12 x 18". Spring.
0199 Green blooms. This subspecies has more leaf segments than many types. From southern Italy, but perfectly hardy. Zone 7 *Cresson*

Hel7800 *Helleborus multifidus* subsp. *istriacus*
0199 Light green blooms. Second generation from wild collected seed in Slovenia. 10-25 leaf segments. Zone 7 *Cresson*

Hel7970 *Helleborus niger* fasciated double CHRISTMAS ROSE Per. PtShade. 1 x 1½'. Late winter. Zone 3-8.
0199 White flowers. Double flowers stretched to an oval shape with extra petals. Zone 7 *Cresson*

Hel8200 *Helleborus niger* (semidouble form) CHRISTMAS ROSE Per. PtShade. 1 x 1½'. Winter-Spring.
0199 White flowers. Well formed semidouble flowers with the nectaries transformed into a neat central ring of white petaloides. Zone 7 *Cresson*

Hel8600 *Helleborus orientalis* subsp. *guttatus* LENTEN ROSE Per. PtShade. 1½ x 1½'. Winter/Spring.
0199 White, cream, pink, or maroon flowers, generously spotted. Green nectaries. Seedlings of this group are always of good quality. Zone 7 *Cresson*

Hemerocallis - Hibiscus

Hem0050 *Hemerocallis altissima* Per. Sun/PtShade. 5'. Midsummer/Fall.
2937 Lemon yellow flowers on tall stems. Flowers are fragrant and open in the late afternoon staying in bloom through to the next day. Zone 6b *Bittmann*

Hem0070 *Hemerocallis 'Autumn Prince'* DAYLILY Sun/PtShade. 4' in bloom. August/Sept. Zone 4-9.
0199 Lemon yellow flowers. An excellent late blooming hybrid from A. B. Stout, the first important daylily breeder, a hundred years ago. Tall stems produce abundant small flowers for an extended period late season when most needed. Zone 7 *Cresson*

Hem3650 *Hemerocallis 'September Sun'* DAYLILY Per.
0200 Yellow daylily flowers. Parent is a 6', very late-blooming daylily (August-October). Germ: D; SR. Zone 7a *Creveling*

Hem4000 *Hemerocallis thunbergii* THUNBERG'S DAYLILY Per. Sun. 3½ x 3'. Summer.
0199 Golden yellow flowers. Blooms in August, later than most hybrids. Foliage holds up all summer. A good landscape plant. From Korean Collection. Zone 7 *Cresson*

Hep1000 *Heptacodium miconioides* SEVEN-SON FLOWER TREE Tree. Sun. 15-20'x 8-10'. White flowers in early fall. Zone 5-9.
1715 Zone 8b *Rosenblum*

Hes0100 *Hesperaloe parviflora* RED YUCCA Per. Sun. 3-4 x 2-3'. Summer.
1999 Coral-red to pink tubular blooms atop tall, arching leaves; thrives in full sun and very well-drained, xeric soil. Germ: Surface sow; NST. Zone 8a *Norfolk Botanical staff*

Heu2800 *Heuchera villosa* HAIRY ALUMROOT Per. Sun/PtShade. 1½ x 1'; to 2' in bloom. Late Summer-Fall.
1918 Creamy-white flowers. Grown for its vaguely maple-leaf shaped leaves. Foamy inflorescences on thin stems rise above the foliage in late summer. Great native for part-shade or sun. Not eaten by deer. Germ: SIS. Zone 7a *Carey*

Heu2850 *Heuchera villosa 'Autumn Bride'* Per. Sun/PtShade. 1½ x 1'; to 2½' in bloom. Summer.
1607 Zone 7a *Jellinek*

Heu2900 *Heuchera villosa 'Purpurea'* NATIVE CORAL BELLS Per. PtShade. 1 x 1'. Summer-Fall.
0318 Creamy, off-white flower. Takes drought well. Zone 7a *Garnett*

Hib0300 *Hibiscus coccineus* SWAMP HIBISCUS, SCARLET MALLOW Per. Sun. 3-6 x 2-3'. Red flower. Summer-Fall. Zone 6a-9b.
0794 Large scarlet-red flowers and palmate leaves. Not reliably hardy for me in the Hudson Valley; I dig and store roots in a cool sunroom or garage for the winter. Moderately self-sowing- I get a fair number of seedlings but they do not flower the first year. Super tall, fun for the back of a border. Zone 7a *Rimmer*
3269 Zone 7b *Simon*

Hib0340 *Hibiscus coccineus 'Albiflorus'*
0032 Zone 8a *Plant Delights*

Hib0350 *Hibiscus coccineus 'Alba'* WHITE TEXAS STAR HIBISCUS Per. Sun/PtShade. 4-10 x 3-4'. Summer-Fall. Zone 6-9.
2504 White flowers in August-September, with fully segmented petals on hardy, herbaceous plant. Germ: NST. Sow in spring. Zone 7b *Mills, M*
9968 Zone 7a *Roper/Chanticleer*

Hib0600 *Hibiscus dasycalyx* NECHES RIVER ROSE MALLOW Per. Sun. 6 x 3'. White. Summer. Zone 7-9.
3865 White flower. Although officially hardy to zone 9b, ours have been fine. Germ: Soak 24hrs. SS. BH. Max. germination time 3 weeks. Zone 7b *Squire*

Hib1300 *Hibiscus 'Lady Baltimore'* Per. Sun. 5x5'. Summer.
0200 Pink with dark eye. Zone 7a *Creveling*

Hib1500 *Hibiscus laevis* HALBERD-LEAF ROSE MALLOW Perennial. Full Sun. 4'-6' tall. Late Summer.
9975 Creamy-white to pink flowers from mid-summer into fall. Germ: CMS. W. 14-20 days germination time. Zone 7b *Bartram's Garden*

Hib1850 *Hibiscus militaris* ROSE MALLOW Per. Sun/PtShade. 5-6'. Summer.
0045 A native, pink, two-tone, late summer-blooming hibiscus. Long season of 2 tone pink flowers on a plant to 6'. Easy native perennial. Will tolerate wet soil. Germ: Soak: 24 hr, NST. Zone 7a *Bartlett*

Hib2000 *Hibiscus moscheutos* PINK ROSE-MALLOW Per. Sun. 3-7' x 2-4'. Late Summer. Zone 5-9.
 0522 Blooms are white with a crimson eye.. Blooms July-Sept. Best in moist soil. Zone 8a *Kushner*
 2142 Large light pink flower with red center. Possibly shorter than species. Grows on boggy soil. Zone 7b *Marcucci*
 3865 Germ: CMS 2 months. SS. W. Max germination time 3-5 wks. Zone 7b *Squire*

Hib2760 *Hibiscus syriacus Blue Chiffon* (R) BLUE CHIFFON ROSE OF SHARON
 0522 Bushy deciduous shrub. 8-12 ' X 4-6'. Semi-double lacy blue flowers. Full Sun to part afternoon shade. Long blooming. Zone 8a *Kushner*

Hib2800 *Hibiscus trionum* FLOWER-OF-AN-HOUR, VENICE MALLOW An. Sun/PtShade. 12 x 6". Summer-Fall.
 0592 Creamy yellow mallows with violet centers open much of the day. Intricate attractive pods. Easygoing good mixer, improvises pretty postures for itself. To 2' tall. Charming. Germ: Generous repeat self-sower. Zone 6b *Malocsay*

Hie0600 *Hieractum pannosum* HAWKWEED Per. Sun/PtShade. Summer.
 0199 Yellow flowers. A unique and attractive hawkweed with wide felty gray foliage, almost like stachys, and yellow daisies in summer. Not a typical hawkweed since it lacks a basal rosette and runners, so is better behaved. Provide a dryish part shade to sunny location. Zone 7 *Cresson*

Hos1300 *Hosta kikutii* var. *yakushimensis* Per. PtShade/Shade. 1-1½ x 2'. Summer.
 0199 Lavender flowers. One of the most drought tolerant and latest blooming (late September) hostas. Long, narrow, pointed, glossy leaves even look good planted in a dry wall. Zone 7 *Cresson*

Hos2400 *Hosta tardiflora* Per. PtShade. 6 x 10; to 8" in bloom. Fall.
 0199 Rich lavender flowers perfectly complement foliage color in October. An elegant species with glossy, dark green, pointed, firm textured foliage. Zone 7 *Cresson*

Hos3000 *Hosta venusta* Per. PtShade/Shade. 1-3 x 6"; to 10" in bloom. Summer-Fall.
 0045 Light purple bloom. A dwarf hosta. Germ: NST. Maximum germination time 1 year. Zone 7a *Bartlett*

Hyd3600 *Hydrangea quercifolia* OAKLEAF HYDRANGEA Shrub. PtShade. Summer. Zone 5-9.
 1918 Creamy-white flowers. Seed collected from an exceptionally large-leaved and large-flowered plant that self-sowed at Northview. At least 6 feet tall. Good fall color. Native. Winter interest exfoliating bark. Seed for birds. Easy and adaptable. Germ: NST. SIS. Zone 7a *Carey*

Hyd3700 *Hydrangea sargentiana* Shrub. PtShade/Shade. 10 x 10'. Summer.
 0199 Large, flat, lacecap flower heads in July above 8-10" matte rough textured leaves. Rich tan bark peels and flakes attractively. This is the "true" species, probably descended from E.H. Wilson's original introduction. Most "sargentianas" in nurseries are imposters and less dramatic. Zone 7 *Cresson*

Hyl1000 *Hylomecon japonica* JAPANESE WOODLAND POPPY Per. PtShade. 10-12". April/May. Zone 5-9.
 0199 Golden yellow poppy flowers hover just above a mass of deep green pinnately divided foliage. An enchanting woodlander from Japan, dormant by mid-summer. Zone 7 *Cresson*

Hyp1250 *Hypericum frondosum* 'Sunburst' GOLDEN ST. JOHN'S WORT Shrub. Sun/PtShade. 2-4 x 2-4'+. Summer.
 2515 Started this from HPS seed 15 years ago and the plant has needed a trim. Well worth the wait with stunning yellow flowers. I grow my plant in wetter soil than most plant descriptions state it should be in drier sites. Germ: NST. Zone 7a *Doblmaier*

Hyp1550 *Hypericum x inodorum* ST. JOHN'S WORT Shrub. Sun/PtShade. 3-5 x 3-5'. Summer-Fall. Zone 6-9.
 2937 Flowers are on the small side (¾") and a typical hypericum yellow, but the real attraction are the bright berries which soon follow. The long-lasting berries are commonly used in cut flower arrangements. Zone 6b *Bittmann*

Hyp2400 *Hypericum punctatum* SPOTTED ST. JOHN'S WORT Per. PtSun. Up to 3'. Yellow. Spring to Fall
 3561 Narrow, upright, unbranched stems bear tiny, red-spotted yellow flowers. A good native "see-through" plant for front-of-border. Zone 7a *Gorman*

Hyp2450 *Hypericum tomentosum* ST. JOHN'S WORT Per. Sun. 1 x 2'. Summer.
 0199 Yellow flowers. Many small flowers over long time in summer. Gray foliage. Flops in rich soil, but great in poor soil or wall crevice. Tough, easy and scarce. Plant originally from Tony Avent. Zone 7 *Cresson*

Hypoxis - Ipomoea

Hyp6010 *Hypoxis rooperi* STAR FLOWER, APE'S ARMPIT TenPer/Per. Sun/PtShade. 1 x 2'. Fall.
0592 Bright yellow flowers, a few at a time, summer-fall. RHS dictionary says difficult, resenting disturbance. Pot plant for me, dry overwinter in cool cellar. Odd foliage triangulation has grown on me. Zone 6b *Malocsay*

Ile0450 *Ilex decidua* 'Warren's Red' WARREN'S RED POSSUMHAW HOLLY Shrub. Sun/PtShade. 4-12'. Spring. Zone 5-9.
0522 Scarlet/red berries on an upright, deciduous holly. Source: Woodlanders Nursery. Zone 8a *Kushner*

Ili0200 *Ilamna remota* KANKAKEE MALLOW Per. Sun/PtSun. 4-6'. Early summer. Zone 5-6.
3682 Pale pink, mallow-like flowers, 6 ft tall. Zone 5b *Purdy*

Ill1950 *Illicium floridanum x mexicanum* ANISE-TREE Shrub. Shade/PtShade. 8-10'. Late Spring-Early Summer.
0199 Red flowers. The advantage of this hybrid is that the *I. mexicanum* parent gives it an almost everblooming habit. Otherwise, it looks like a fine form of *I. floridanum*. Lovely evergreen foliage is deer resistant. Zone 7 *Cresson*

Ill2000 *Illicium floridanum x mexicanum* 'Woodland Beauty' ANISE-TREE Shrub. Shade/PtShade. 8-10'. Late Spring-Early Summer. Zone 7b-10a.
0522 Purple-red flowers. 6' zone 7 shrub. A cross between *Illicium floridanum* 'Alba' and *I. mexicanum*. Blooms on and off from Spring to Autumn. Flowers are ray-shaped. Source: Rarefind Nursery. Zone 8a *Kushner*

Ill3000 *Illicium X 'Orion'* ANISE TREE, ORION STAR FLOWER Shrub/Tree. Part/Full Shade. 6'Hx6'W. Repeat bloomer. Zone 7.
0522 Pale white blooms. Introduced by Tom Ranney of NCSU. Cross between *I. floridanum* and *mexicanum*. More compact than other *Illiciums*. Flowers 2" wide, star-shaped. Zone 8a *Kushner*

Imp1170 *Impatiens bicolor* An. PtShade/Shade. 1-4'. Summer-Fall. Zone 9-11.
3436 Pink & yellow blooms. 3'. Shade/part shade with moist soil. Self sows. Scatter seed outdoors on mineral soil in fall to germinate in spring. Moderately deer resistant. Germ: CMS, R, OW, SS, SIS, SR, 14 d. Zone 7b *Silberstein*

Imp3000 *Impatiens namchabarwensis* BLUE DIAMOND IMPATIENS, SAPPHIRE JEWELWEED TenPer. 18 x 18". Fall.
0965 Helmet shaped flowers appear on self-sowing plants in late summer and fall. May bloom in early summer if established by spring. A lovely filler with nearly true blue flowers. Germ: NST; BC; BH. Zone 8a *Umpbrey*
3436 Blue/purple blooms. Scatter seed outdoors on mineral soil in fall to germinate in spring. Moderately deer resistant. 2-3'. Self sows. Germ: R, OW, SS, SIS. Zone 7b *Silberstein*

Ind2100 *Indigofera pseudotinctoria* 'Rose Carpet' DWARF FALSE INDIGO Shrub. Sun/PtShade. 1 x 1½'. Summer.
0592 A plague of rabbits eating it down the last few years nixed the lovely carpet effect: a foot-high circle of chicken wire mounded it up agreeably, concealing the artifice itself. Modest self-sowing nearby suggests the other defense: containers up out of rabbit reach. Zone 6b *Malocsay*

Inu2370 *Inula belentum* ELECAMPANE Per. Sun. 3-6' x 2-3'. Summer. Zone 3-7.
0627 Bright yellow flowers, showy; never more than 3' in my garden; does well in the dry periods we've had lately. Germ: NST. Zone 7a *McShane*

Ipo2350 *Ipomoea lobata* SPANISH FLAG An. Vine. Sun. 15-20'. Summer/Fall.
0200 red-orange-yellow-white slender tubular flowers Zone 7a *Creveling*
0592 Remarkable every way: blooms tubular, not trumpets, red shading through orange to yellow as they mature over some time. Endlessly productive and shopped accordingly by all the nectarists. When a blossom slips off, taking the anthers with it, bees lick the pistil style clean. It is the ideal sequential self-sower, even blooming in small sizes, possibly as a result of sowing such abundance. I now let it claim what trellis it will, the pity being that voles, needing to learn dislike, are apt to cut it off at ground level. Still, in '25 it flourished in serious competition with porch clotheslines. Picks beautifully well. Zone 6b *Malocsay*
0965 A pretty, lacy looking vining annual, great for hummers. Made lots of seeds. Germ: BH Zone 8a *Umpbrey*

Ipo2950 *Ipomoea quamoclit* CYPRESS VINE, STAR GLORY An. Vine. Sun. 6-20'. Summer.
0592 Tiny red trumpet flowers. Cypress refers to the feathery foliage - welcome lightness, given its ambitious reach. Another serial self-sower. Its sense of season delays germination for a good month after *I. lobata* but by midsummer it is a madness past restraint though lovely and abuzz before it closes for the day. The seed-leaves are unique and easily edited, though the best control is getting ahead of the ripeness by cutting down promptly in the fall - early October here. Germ: NST; SIS. Zone 6b *Malocsay*
3269 Red flower. Zone 7b *Simon*

Ipo5010 *Ipomopsis rubra* STANDING CYPRESS, SCARLET GILIA, SKYROCKET An./Bien. Sun/PtShade. 6" spread; 2-3' in bloom. Spring-Summer.
1244 2-5' tall spikes bloom in July. Bright red flowers, always acts as biennial in my garden. Attracts hummingbirds. Germ: NST Zone 4b *Mitchell*

Iri1000 *Iris dichotoma* VESPER IRIS Per. Sun. 3-4'. Mid-late Summer. Zone 5-10.
0199 Lavender-purple blue flowers open just about 4 pm, just in time for cocktail hour, so think about where you plant it or grow in a pot on the patio! Numerous flowers over a long bloom season. Similar in habit and related to blackberry lily. Zone 7 *Cresson*
2504 Mixed blue or white flowers. Zone 7b *Mills, M*

Iri1050 *Iris domestica* BLACKBERRY LILY, LEOPARD LILY Per. Sun/PtShade. 1½-3 x 1-4'; from 2-4' in bloom. Summer. Zone 4-10.
0199 Orange-yellow, spotted with maroon flowers. Three feet tall, branched stems with many spotted yellow-orange flowers in midsummer. Seedpods split to reveal round black seeds that hold into late fall. Zone 7 *Cresson*
0522 Zone 8a *Kushner*
1228 Spotted orange flowers. Uses: Medicinal and cut flower. Germ: WMS. Zone 7a *Labash*
1249 Cheerful orange-freckled blossoms attract bumblebees and butterflies. Refrain from dead-heading to enjoy the blackberry-like seeds which are great for fall arrangements. Germ: CMS for 2 months, then sow at 70F for germination in 14 to 21 days. Alternatively, sow outdoors in fall and let nature handle the process. Zone 8a *Finn*
2504 Orange tones. Germ: NST. SIS Zone 7b *Mills, M*
3269 Orange freckled flower. Zone 7b *Simon*
5121 Orange, red-spotted blooms. Zone 7b *Ziemba*
9975 Orange and red spotted, lily-like flowers. Seed pods open in the fall, showing clusters of black seeds resembling a blackberry, giving the plant its common name. Germ: Plant ¼" deep indoors in pots 6-8 weeks before planting outside after the danger of frost has passed. 7-14 days germination time. Will flower the first season if started early enough. Zone 7b *Bartram's Garden*

Iri1060 *Iris domestica* 'Hello Yellow' YELLOW BLACKBERRY LILY Per. Sun/PtShade. 1 x 1'. Summer.
0522 Lovely, clear yellow flowers. Zone 8a *Kushner*

Iri2200 *Iris foetidissima* var. *citrina* STINKING GLADWYN Per. Sun/PtShade. 3'. Spring.
0199 Yellow flowers in May. Primary feature is the pods, which open in October and November to display bright orange seeds. Evergreen foliage. Likes dry shade! Rare, yellow form much more attractive than the normal form with lavender-brown flowers. Perfectly hardy here since 1990. Zone 7 *Cresson*

Iri2500 *Iris graminea* Per. Sun/PtShade. 8-12 x 12". Spring.
0522 Reddish-purple flowers. A dwarf spuria iris. Spring blooming. 12-16" tall. Grass-like leaves. Smells like ripe plums. Good trough plant. Source: Putnam Hill Nursery. Zone 8a *Kushner*

Iri2700 *Iris lactea* Per. Sun. 18-24 x 18". Summer.
2504 Needs good drainage. Foliage to 15 inches; flowers on 12-inch stems. Will form a dense clump over time. Because flowers are shorter than foliage, plant at front of border so you can appreciate them as you walk by. After bloom, very narrow foliage persists and suggests an ornamental grass. Germ: 4 wks CMS. Zone 7b *Mills, M*

Iri6300 *Iris tectorum* JAPANESE ROOF IRIS Per. Sun/PtShade. 12 x 36"; to 18" in bloom. Spring.
3610 Zone 7b *Pavlovic*

Iri6600 *Iris versicolor* BLUE FLAG Per. Sun/PtShade. 3 x 1½'. Summer.
3610 Zone 7b *Pavlovic*

Isa1050 *Isatis tinctoria* DYER'S WOAD Bien./Per. Sun. 2-4'. Late Spring. Zone 4-8.
9968 Yellow flower. Likes moist, well-drained soils. Best growth in moderately alkaline to neutral soil conditions. Large, taprooted basal rosettes. Germ: Readily self-seeds. Sow seed in late summer or spring. Germinates in cooler temps. Zone 7a *Roper/Chanticleer*

Kit1010 *Kitaibelia vitifolia* Per./Shrub. 2 x 3'; from 4-5' in bloom. Spring-Summer.
1875 Zone 6b *Stafford*
3682 White, mallow-like flowers. Zone 5b *Purdy*

Kolkwitzia - Lepechinia

Kol1000 *Kolkwitzia amabilis* Shrub. 8'.
1715 Zone 8b *Rosenblum*

Kos1250 *Kosteletzkyia pentacarpos* SEASHORE MALLOW Per. Sun. 4-5' x 3'. Late Summer-Fall. Zone 6-9.
0522 Pink flowers. Best planted in groupings, as these are not meant to be specimen plants. Have mine planted in bogs alongside Joe-Pye weeds and pink *Asclepias incarnata*. Germ: NST; BH 7-10d. Zone 8a *Kushner*
2497 2" Pink blooms. Prefers moist soil. Grows well and flowers in deciduous shade. Nice to find a showy pink flower that tolerates shade. East coast native. Germ: OW. Zone 8a *Mackey*
9975 Pink, hibiscus-like flowers with central yellow stamens. Highly attractive to pollinators. Gray-green triangular leaves provide late season interest. Moderately salt tolerant. Short-lived perennial, but readily reseeds. Germ: Soak seeds overnight before planting 1/8-1/4" deep, or direct sow in May-June. Max. germination time- 14 d. Zone 7b *Bartram's Garden*

Lab1050 *Lablab purpureus* HYACINTH BEAN An. Vine. Sun. 9'+. Summer-Fall.
0590 Pink blooms. Green foliage with burgundy veins. Abundant flowers till October. Spectacular purple, bean-like pods. Easy germination, easy vigorous-grower to 15'+. Zone 7a *Mabony*
1181 Rose-purple, pink and white flowers. 10-20' tall ornamental vine. Blooms summer to frost. Germ: NST. Zone 7b *Cyphers*

Lan1100 *Lantana horrida* TEXAS LANTANA TenPer. Sun. 12 x 12'. Summer. Zone 8a-11.
3436 Pink/lavender blooms. Plant seedlings outdoors in sun or mostly sunny well-drained soil by early summer. Reliable perennial in 7a if heavily mulched to keep soil from freezing, but doesn't sprout until early to mid May. 4-5 x 4-5' at maturity. Germ: BH. Lantana is animal resistant. Flowers non-stop early July to frost. Easily roots from cuttings in early fall. Zone 7b *Silberstein*

Lat0050 *Latyrus latifolius* EVERLASTING PEA, PERENNIAL PEA PerVine. Sun/PtShade. 6-9'. Summer-Fall.
0522 Pink. I love annual *Lathyrus odoratus*, but it peters out in the heat. This sweetpea never disappoints as it rambles along fences or through spent perennials. Germ: Scfy or soak in tepid water overnight; D; W/C, 14 d; Sow ASAP. Armitage says seeds sown in spring may not bloom until next year. Transplant when seedlings reach 3-5 leaf stage. Zone 8a *Kushner*

Lat2000 *Latyrus sativus* GRASS PEA An. Vine. Sun. 4 x 2'. Spring-Early Summer.
0199 Blue flowers. Related to sweet peas. Sow in late winter with regular peas and provide support. I grow it for the clear sky-blue flowers in May and June, but it is an important crop plant in Africa and Asia although it can be toxic when eaten in large quantities! Zone 7 *Cresson*

Lei0050 *Leibnitzia anandria* Per. Shade. Spring and Fall.
0522 Perennial 12" X 6". Tidy rosettes of serrated leaves. Pink-tinged buds open to white flowers followed by fluffy seedheads. Japanese. Source - Potomac Rock Garden Society. Good trough plant. Zone 8a *Kushner*

Leo0600 *Leonotis nepetifolia* KLIP DAGGA, LION'S EAR TenPer. Sun. 8'10'. Summer-fall. Zone 9-11.
2515 Interesting orange flowers whorled around the flower stem. Hummingbirds loved this plant! Germ: NST. Zone 7a *Doblmaier*

Leo0970 *Leontopodium alpinum* EDELWEISS Per. Sun/PtShade. 8". Spring. Zone 4-7.
0199 White flowers. This famed European alpine is fussy to grow but produced seed in my rock garden so why not give it a try? Zone 7 *Cresson*

Leo4000 *Leonurus sibiricus* SIBERIAN MOTHERWORT, HONEYWEED An/Bien. Sun. 4-6'. Midsummer. Zone 5-10.
0592 I'm following Stonecrop's '21-'22 HPS listing - "Pale pink blooms. Branching stems heavy with small, tubular blooms in dense, axillary whorls. Pinnately divided, deep veined, dark green leaves. Small black nutlets follow". Mine were dwarfed by overcrowding, flowers tiny, pale lavender, but mobbed by nectarists early and late, as if to argue that Honeyweed names it well. Germ: SS. NST. Zone 6b *Malocsay*

Lep0060 *Lepechinia hastata* TenPer. Sun. 5-6 x 2-3'. Summer-Fall. Zone 7-10.
0794 Big and bold with large silvery leaves and magenta-pink flowers. Hummingbirds love it. I cut it back hard and overwinter in a cool, bright sunroom. Self sows here and there but first-year seedlings don't bloom for me. Zone 7a *Rimmer*
3561 Surprisingly hardy Baja Californian (dubiously Hawaiian?) sage with felty gray leaves and towering verticillasters of magenta tubes loved by hummingbirds. People always comment on how I smell after working with this plant - it's covered in resinous, tropical-fruit-scented glands. Zone 7a *Gorman*

Les1300 *Lespedeza bicolor* 'Island Dwarf' Shrub. Sun. 3 x 3'. Summer.
0199 Light pink flowers. Dwarf form collected on island of Yakushima, Japan. Introduced by Barry Yinger. Good for rock garden. Drought tolerant. Repeats. Zone 7 *Cresson*

Les2260 *Lespedeza thunbergii* 'Avalanche' BUSH CLOVER Shrub. Sun. 3-8'. Spreading. White. Summer-fall. Zone 5a-9b.
0951 Germ: CMS Zone 7a *Tracey*

Les2300 *Lespedeza thunbergii* 'Edo Shibori' Shrub. Sun. 6 x 5'. Summer.
0522 Bi-colored flowers, pink and white. A stunning bush clover. On arching canes. Full sun. Blooms late summer and early Autumn. Elegant, 5' x 7'. Source: Broken Arrow Nursery. Zone 8a *Kushner*

Les2500 *Lespedeza thunbergii* 'White Fountain' BUSH CLOVER Shrub. Sun. 3-6'. Summer.
0522 Pure white, pea-shaped flowers. Semiwoody plant reaching 3-6' in growing season with arching blue-green stems. Source: Montrose Nursery. Germ: Scfy or Soak 8-15 min; T; 10-14 d. Soaking in hot water for 8-15 min softens the hard seed coat. Zone 8a *Kushner*

Leu0850 *Leucanthemum x superbum* SHASTA DAISY Per. Sun. 24-30". Summer.
3955 White and yellow flower. Germ: NST. Zone 7a *Dubie*

Lev1050 *Levisticum officinale* LOVAGE Per. Sun/PtSun. 3 x 2'; to 6' in bloom. Summer. Zone 4-8.
3955 Green-yellow flower. Culinary herb, flavor similar to celery and parsley. Germ: NST. Zone 7a *Dubie*

Ley2000 *Leycesteria formosa* Golden Lanterns® HIMALAYAN HONEYSUCKLE, PHEASANT BERRY Per. Sun/PtShade. 4-6'. Summer.
0522 Eye-catching, yellow-green foliage on this shrub cultivated in England. Dark burgundy bracts and berries. Amber-tinted new growth. Sources: Digging Dog Nursery Zone 8a *Kushner*

Lia1600 *Liatris microcephala* DWARF GAYFEATHER, DWARF BLAZING STAR Per. Sun. 12-18 x 6-12". Late Summer. Zone 4-7.
9968 Zone 7a *Roper/Chanticleer*

Lig1050 *Ligularia fischeri* Per. PtShade/Shade. 5 x 3'. Fall.
0199 Yellow daisy flowers in spikes above large green kidney-shaped leaves come as a delightful surprise at end of summer. Keep constantly moist and out of hot sun. Japanese native, also Korea, China, Siberia. Zone 7 *Cresson*

Lig1340 *Ligularia japonica* 'Chinese Dragon' Per. PtShade. 3 x 4'. Summer. Zone 4-8.
0522 Yellow-orange blooms on nice-clumping, cutleaf variety. Perfect bog plant. Mine bloomed in mid-June on 4' spikes. Source: Plant Delights. Zone 8a *Kushner*

Lil1250 *Lilium canadense* CANADA LILY PerBulb. PtShade. 4-5'. Summer. Zone 3-8.
1244 Seed collected from plants with flowers ranging in color from yellow to orange. Hardy in my Zone 4b garden. Zone 4b *Mitchell*

Lil1700 *Lilium formosanum* FORMOSA LILY, TAIWAN LILY PerBulb. Sun/PtShade. 6-8 x 1½'. Late Summer-Fall. Zone 5-8.
0045 White flowers on tall stem- to 6'. Easy trumpet lily. Zone 6(5?) hardy Germ: NST; Easy to germinate. Often flowers second year. Zone 7a *Bartlett*

Lil1710 *Lilium formosanum, dwarf form* DWARF FORMOSA LILY Per. Full sun to part shade. 2-3' tall. August. Zone 5-8.
1918 White flowers. Trumpet-shaped flowers in August in a short version of this Taiwanese Lily. Easy from seed. Germ: SIS. Zone 7a *Carey*

Lil2000 *Lilium* hybrid LILY PerBulb. Sun. 6 x 2'. Summer.
0269 Not sure of the proper name for this lily, but these are bulbils from a pass-along-plant popular in my area. Plants are 5' to 9' tall and bear orange lilies in summer with recurved petals that are dotted with black. Zone 3a-9b. (2023, 2024) Zone 7b *Ellis*

Lil2750 *Lilium martagon* MARTAGON LILY PerBulb. Sun/PtShade. 4-6'. Early Summer. Zone 3-8.
1715 Zone 8b *Rosenblum*

Lil2800 *Lilium martagon hybrids* TURK'S CAP LILY, MARTAGON LILY, MOUNTAIN LILY, EUROPEAN WOOD LILY PerBulb. Sun/PtShade. 3-5'. Summer.
0199 Orange blooms. Seed from various orange hybrids, some spotted. Long-lived, drought tolerant, and very virus resistant. Zone 7 *Cresson*

Lilium - *Lycoris*

Lil3300 *Lilium regale* PerBulb. Sun/PtShade. 4-6'. Summer. Zone 4-8.
0045 Blooms with white/yellow interior, dark exterior. Easy trumpet lily species. Epigeal immediate germination, which means easy. Lots of seed, grow a clump, flowers in 3rd or 4th year. Regal lily is easy from seed and spectacular in the garden. Probably the easiest lily to grow. Germ: NST. Max germination time 1 year. Fast germination. Zone 7a *Bartlett*

Lil3600 *Lilium splendens Tiger Babies Group* PerBulb. Full sun. 3-5' H
0965 Peach blooms. Surprised to see seeds on this great hybrid. Seedlings may not come true. Zone 8a *Umpbrey*

Lit1000 *Lithospermum erythrorhizon* Per. Sun/PtShade. 2½ x 1-2'. Summer. Zone 5-9.
3561 Dark green, fuzzy leaves accented by small creamy flowers. The roots are traditionally used as a source of red dye. Germ: NST. Zone 7a *Gorman*

Lob1250 *Lobelia cardinalis* CARDINAL FLOWER Per. Sun/PtShade. 1-3 x 1+'. Summer-Fall. Zone 3-9.
0318 Red flowers. Germ: SIS. Zone 7a *Garnett*
1607 Bright red flowers attract hummingbirds. Prefers sunny, moist conditions, but also does well in my drier garden in part sun. Zone 7a *Jellinek*
2497 Scarlet flowers in late summer. Prefers moist soil. North American native plant. Flowers well in shade. Zone 8a *Mackey*
3436 Red blooms. Germ: SS, SR. Zone 7b *Silberstein*
3610 Zone 7b *Pavlovic*

Lob1750 *Lobelia siphilitica* GREAT BLUE LOBELIA Per. Sun/PtShade. 2-4 x 1'. Late Summer-Fall. Zone 4-9.
3436 Blue, occasionally white blooms. Germ: SS, SR. Zone 7b *Silberstein*
3610 Zone 7b *Pavlovic*

Lun0050 *Lunaria annua* MONEY PLANT, HONESTY Bien. Sun/PtShade. 3 x 1'. Spring.
0522 White flowers. 3' x 1'. Blooms in Spring. Zone 8a *Kushner*

Lun2050 *Lunaria annua* var. *albiflora* 'Alba Variegata' VARIEGATED MONEY PLANT, HONESTY Bien. Sun/PtShade. 3 x 1'. Spring.
0199 White flowers. White-edged leaves. Variegation fades in summer heat. May germinate green, but will become variegated in spring. Zone 7 *Cresson*
1017 Lovely white-flowering, early-blooming biennial. The foliage is green the first season, white edged the second. Blooms with tulips in mid-spring, cheerful, indispensable. Zone 6a *Whitesell*

Lup2500 *Lupinus polyphyllus* LUPINE Per. Sun. 2 x 1'. Summer.
1224 Blue blooms. Germ: Scfy. Zone 6a *Lockhart*

Lyc2550 *Lycchnis chalcedonica* 'Rosea' MALTESE CROSS. CATCHFLY Per. Sun/PtSun. 3-4 x 1'. Summer.
3483 Salmon-pink to rosy blooms in the Summer. Zone 7a *Mrazik*

Lyc3050 *Lycchnis coronaria* ROSE CAMPION, CATCHFLY An./Bien./Short-lived Per. Sun/PtShade. 2-3 x 1-1½'. Summer. Zone 4-8.
1181 White/pink flowers. Low maintenance perennial. Full sun. Summer-blooming. 3' tall. Zone 7b *Cyphers*
1918 Biennial or short lived perennial with fuzzy silver stems and foliage. Flowers range from a deep but bright pink to white (the pink occurs most often). Does well in gravel or near stones. Needs drainage especially in winter. Full sun or some shade. Zone 7a *Carey*

Lyc3100 *Lycchnis coronaria* 'Alba' WHITE CAMPION, WHITE CATCHFLY Bien./Short-lived Per. Sun/PtShade. 2-2½ x 1-1½'. Summer.
3682 Gray-felted leaves, white flowers. Zone 5b *Purdy*

Lyc3300 *Lycchnis flos-cuculi* RAGGED ROBIN, CUCKOO FLOWER Per. Sun/PtShade. 1-2 x 1-2'. Summer.
0522 Wide, star-shaped, rose pink flowers with deeply cut petals on a herbaceous perennial that blooms May-June. Wild flower garden plant. Source: Chiltern Seeds. Germ: BC, L. Zone 8a *Kushner*

Lyc9000 *Lycoris chinensis* YELLOW SPIDER LILY Per. Sun. Summer. Zone 5-9.
0199 Golden yellow flowers on naked stems in August. Fully hardy, unlike the *L. aurea* commonly sold in catalogues. If you like yellow, this is for you. Zone 7 *Cresson*

Lyc9760 *Lycoris sprengeri*
0199 Pink/blue blooms. The most striking and unique thing about this species is the prominent blue petal ends. Unique and exciting! Spring foliage, summer dormant. Zone 7 *Cresson*

Lys1020 *Lysimachia atropurpurea* 'Beaujolais' Per. Sun/PtShade. 18 x 12". Summer.
0199 Claret-purple flowers. Short-lived perennial with glaucous foliage and flowers spikes over long period. Zone 7 *Cresson*

Lys1750 *Lysimachia mtnoricensis* Bien. Sun. 1 x 3; to 12-15" in bloom. Summer.
0199 White flowers. This endemic of the South island of Menorca is now extinct in the wild but has shown remarkable adaptability to gardens. A biennial forming rosettes of attractive white veined leaves, then a single stem with small white flowers. Persists by self-sowing, especially among rocks. Easy and nice, always attracting attention. Help save this rare species. Zone 7 *Cresson*

Mag1050 *Magnolia ashei* ASHE MAGNOLIA Shrub/Tree. Sun/PtShade. 70 x 50'. Summer.
2504 Native American big leaf magnolia. Very constricted native range of western Florida panhandle, but fully hardy in Philadelphia area. Huge leaves (to 18 inches X 8 inches); flowers as large as largest *M. grandiflora* cultivars. Will bloom at a relatively young age (7 years with luck) for magnolias. Creates dense shade; ideally not sited in a windy location, due to leaf size. Germ: Soak seeds in room temperature water for several days, then red coating rubbed off with (gloved) fingers. (Red coating inhibits germination, but is removed in a bird's gut.) Place seeds in moist vermiculite, seal ziplock, and cold stratify for 2-3 months. Seed may sprout in the medium -- be careful not to break roots when planting. Plant in pots; do not allow pots with seedlings to freeze solid over winter. Zone 7b *Mills, M*

Mag1750 *Magnolia sieboldii* Shrub. Sun/PtShade. 25 x 40'. Spring-Summer.
2504 Understory scale magnolia with exquisite pendant flowers. White with prominent maroon stamens. Buds are equally attractive. Germ: Soak seeds in room temperature water for several days, then red coating rubbed off with (gloved) fingers. (Red coating inhibits germination, but is removed in a bird's gut.) Place seeds in moist vermiculite, seal ziplock, and cold stratify for 2-3 months. Seed may sprout in the medium -- be careful not to break roots when planting. Plant in pots; do not allow pots with seedlings to freeze solid over winter. Zone 7b *Mills, M*

Mal1360 *Malva moschata* f. *alba* MUSK MALLOW Per. Sun. 2-3'. White. Summer. Zone 3-8.
3682 Zone 5b *Purdy*

Mal2050 *Malva sylvestris* MALLOW Per. Sun/PtShade. 2-4' x 2-3'. Mid-Late Summer. Zone 4-8.
0199 Spikes of pink flowers with darker stripes. Zone 7 *Cresson*

Man2000 *Manfreda undulata* Per. Sun/PtSun. 6" to 40" in flower. Zone 7a-10b.
1999 Burgundy-brown flower spikes above spotted, undulating leaves; very well-drained, dry to average soil. Fragrant, night-blooming, flowers are pollinated by moths. Germ: Scarify and soak in warm water to aid germination. NST. Zone 8a *Norfolk Botanical staff*

Man2100 *Manfreda virginica* AMERICAN AGAVE Per. Sun. 2 x 2-4'; to 6' in bloom. Summer. Zone 6-9.
0269 Yellow-green blooms. Rhizomatous native forming rosettes of fleshy leaves spotted with maroon topped by 4-5' stalks of flowers in summer. Tolerates dry conditions and rocky soil. Germ: W; L; SS; Maximum germination time: 30-90 days and erratic. Zone 7b *Ellis*

Man2500 *Manihot grahamii* GRAHAM'S MANIHOT Per. Sun.
3436 Survives winter with a heavy mulch and seeds around a bit. Grows 6-10' each year. Germ: Dieback shrub. Zone 7b *Silberstein*

Mar1350 *Marshallia caespitosa* BARBARA'S BUTTONS Per. Sun/PtShade. 1-1½ x ½-1'. Spring. Zone 5-8.
1249 White, pink-tinged, pincushion-like flowers, beloved by bees. A perfect companion for roses. Germ: Seeds require light to germinate. Zone 8a *Finn*

Mel4000 *Melissa officinalis* 'All Gold' GOLDEN LEMON BALM Per. Sun. 2'. Zone 6-10.
3682 Lemon scented, golden foliage. Seeds true. Zone 5b *Purdy*

Mel5000 *Melittis melissophyllum* BASTARD BALM Per. PtShade. 1' x 2'. Late Spring. Zone 7-10.
0199 This lamium-like European perennial has white/pale pink flowers with a deep pink blotch on the lower lip. Zone 7 *Cresson*

Mel6000 *Melothria scabra* MEXICAN SOUR GHERKIN, MEXICAN MINATURE WATERMELON AnVine. Sun.
0002 Grape-sized fruits, look like mini watermelons. Eat raw, pickled, or use in salsas or cocktails. Vigorous vine loves trellis or lattice support. Consider over-wintering tubers for a head start the following season. Zone 7a *Bowell*

Metasequoia - Ocimum

Met1010 *Metasequoia glyptostroboides* DAWN REDWOOD Tree. Sun. 70-100 x 25'.
3483 Large deciduous conifer. Wonderful fall color of the foliage. Interesting bark color for the winter. Zone 7a *Mrazik*

Mir1400 *Mirabilis jalapa* 'Limelight' FOUR O'CLOCK An./TenPer. Sun. 2'. Summer.
0627 Hot pink flowers with upright, chartreuse foliage. Blooms all summer. A striking color combination. I let it self-seed and move the seedlings around next season. Germ: NST. Zone 7a *McShane*

Mol0500 *Molinia caerulea* subsp. *arundinacea* 'Skyracer' PURPLE MOOR GRASS Grass. Sun. 6-8 x 2-4'. Zone 5-8.
2937 2-3' clumps of foliage with 6' airy bloom stalks. Nice yellow fall color. Zone 6b *Bittmann*

Mon1400 *Monarda fistulosa* WILD BERGAMOT, ROSE-SCENTED MONARDA Per. Sun. 3-4 x 1-1'. Summer.
1228 Uses: Cut and dried flower. Great pollinator plant. Germ: WMS. Zone 7a *Labash*

Mus0800 *Muscari armeniacum* 'Valerie Finnis' GRAPE HYACINTH Bulb. .5" x .5". Full Sun-Partial Shade. Mid-Spring. Zone 4-8.
0522 Pale lavender blue flowers. Stunning soft color in a Muscari. Mildly fragrant. Zone 8a *Kushner*

Nan1050 *Nandina domestica* var. *leucocarpa* Shrub. Sun. 6 x 5'. Summer.
0522 Lovely yellow-berried shrub. Nice companion in the autumn to corylopsis, stachyurus, and other woodland plants. Germinates easily. Zone 8a *Kushner*

Nar5000 *Narcissus romieuxii* 'Julia Jane' PETTICOAT DAFFODIL Bulb. Sun/PtShade. 8". Spring. Zone 7-9.
0199 Soft yellow flowers. Deer and rodent proof. Zone 7 *Cresson*

Nic0200 *Nicandra physaloides* 'Splash of Cream' VARIEGATED SHOO FLY PLANT An. Sun. 39" x 12". Summer.
0592 Blue bell-shaped flowers open at mid-day, followed by pods good for dry arrangements. The plant itself is very sturdy, shapely on into winter. Self sows here in a very tough location. Foliage splash of cream is variable. Tolerates part shade. Zone 6b *Malocsay*
3436 Blue-purple blooms. Germ: BC, NST. Zone 7b *Silberstein*

Nic0600 *Nicotiana langsdorffii* FLOWERING TOBACCO An. Sun. 2 x 3'. Summer.
0592 Chartreuse classic. It has shown itself to be a serial self-sower in Pittsburgh, easily edited/outed. My garden sizes the earliest up to 5X5'. Nectarists love its steady output. Good vase life. Germ: NST. Zone 6b *Malocsay*
0797 Lime green/chartreuse flowers born in tall, graceful wands. Self-sows. Germ: BC; SIS. Zone 6a *Robinson*
2497 Lime green, drooping, bell-shaped flowers with blue anthers. Flowers mix well with other colors. Germ: Surface sow. NST Zone 8a *Mackey*

Nic1290 *Nicotiana* 'Select Chocolate Chip' FLOWERING TOBACCO An. Sun/PtShade. 3-4' x 1.5'.
0522 Bittersweet chocolate blooms, almost black. Lovely tubular flowers. Delicate but sturdy. Source: Select Seeds. Zone 8a *Kushner*

Nic2750 *Nicotiana sylvestris* FLOWERING TOBACCO, GREAT WHITE TOBACCO An. Sun/PtShade. 12 x 18"; to 5' in bloom. Summer-Fall.
0084 White blooms. Tall, half-hardy annual, attracts pollinators, poisonous for people. Reseeds but not a problem. Tubular flowers. Germ: BC; SIS; NST Zone 7a *Bowditch*
1607 Fragrant white tubular flowers top 4-5' plants. Attracts hummers and hummingbird moths. Germ: NST. Zone 7a *Jellinek*
3269 Zone 7b *Simon*

Nig1050 *Nigella damascena* LOVE-IN-A-MIST An. Sun. 8-12 x 8-12"; 12-18" in bloom. Summer.
0965 White or blue blooms. Old fashioned, self-seeding, annual delight. Zone 8a *Umpbrey*
2497 Blooms early spring. Ferny reseeded seedlings create green mulch in flower beds. Both flowers and tan inflated seed heads work well in arrangements. Reseeds. Best direct sown. Zone 8a *Mackey*

Oci0100 *Ocimum basilicum* 'Genovese' An. Sun. 1½ x 1'. Summer.
2621 Large sweet leaves. Very sensitive to cold. Dislikes transplanting. Pinch to encourage bushier growth. Likes moisture but don't overwater. Germ: Germ 1-2wk warm. Easy to germinate indoors or out when soil is warm. Zone 7a *Nachlas*

Oci0600 *Ocimum basilicum* var. *thyrsiflorum* THAI BASIL TenPer. Sun. 1-4 x 1'. Summer.
2621 Highly ornamental and aromatic. Pinch to encourage bushier growth. Germ: Easy to germinate indoors or out when soil is warm. Zone 7a *Nachlas*

Oen1400 *Oenothera biennis* EVENING PRIMROSE, FOUR O'CLOCK, GERMAN RAMPION Bien. Sun. 5'. Late Spring.
 1918 Yellow flowers. This tall biennial native plant has evening-fragrant yellow flowers that attract interesting moths. Seeds are eaten by goldfinches in the fall. Germ: NST. SIS. Zone 7a *Carey*
 3955 Native. Yellow flower. Aggressive self-seeding. Long bloom time benefits pollinators and moths. Medium-wet to dry. Germ: Cool 50-60 degrees. SS. Light needed. Zone 7a *Dubie*

Opu1300 *Opuntia humifusa* PRICKLY-PEAR Per. Sun. Dry. 6-12". Yellow. Summer. Zone 4-9.
 1999 Bright yellow, waxy flowers (often with a reddish center) appear in early summer; followed by red to purple edible fruits. Prefers very well-drained, sandy soil. Germ: Scarify and soak 24 h; CMS 60 days improves germination. Zone 8a *Norfolk Botanical staff*

Opu2500 *Opuntia polyacantha* PLAINS PRICKLY PEAR CACTUS Per. Sun. 8 x 36". June. Zone 4-8.
 0199 Surprisingly hardy cactus with striking flowers which open yellow and develop red centers in succeeding days. Zone 7 *Cresson*

Opu3000 *Opuntia pusilla* Per. Sun. 2-3" Zone 7a-10b.
 1999 Cheerful yellow blooms on a low, mat-forming cactus that thrives in full sun and sandy, rocky soil. Germ: Scarify and soak in warm water to aid germination. Zone 8a *Norfolk Botanical staff*

Orb1000 *Orbexilum pedunculatum* var. *psoraloides* SAMPSON'S SNAKEROOT Per. Sun/PtShade. 1-2½'. Early Summer-Midsummer.
 0032 Collected from plant collected from Nash Co., NC Collected: 9/17/15. Zone 8a *Plant Delights*

Orl1000 *Orlaya grandiflora* WHITE LACEFLOWER, MINOAN LACE An.
 0592 White blooms. Basal rosette nicely fine, flowers shed less than Queen Anne's Lace in bouquets. A second sowing adds fall freshness. Deer do like it. Does transplant young. Germ: NST, SIS. Zone 6b *Malocsay*
 2621 Elegant pure white umbels on 18-24" stems. Lovely early summer filler from Crete. Rich, well-drained soil. Germ: NST, SIS Zone 7a *Nachlas*

Orn1500 *Ornithogalum sintenisii* Bulb. Sun/PtShade. 4 x 8"; 4" in bloom. Spring.
 0199 White flowers. An easy, early blooming species with low, flat clusters of white flowers in early spring. Similar to, but easier than, ~O. balansae~. Leaves emerge in autumn, protect from rabbits. Very rare. Zone 7 *Cresson*

Oxy0200 *Oxypetalum coeruleum* TWEEDIA TenPer. Sun/PtSun. 2-3'. Summer-fall. Blue. Zone 8-10.
 0084 Turquoise blue blooms. Zone 7a *Bowditch*
 0199 Light turquoise-blue flowers. This South American native has a habit similar to and is related to our own Butterfly Weed. The grey green fuzzy foliage is the perfect foil for these remarkable blue flowers, produced all summer. Milkweed seed pods follow. Sun and good drainage will ensure success. Zone 7 *Cresson*
 0590 From 2025 Seed Exchange. Very long season of bloom. Easy germination, easy grower. Excellent in pots. Zone 7a *Mahony*
 1999 Sky-blue, starry blooms on twining stems; a charming climber for full sun and well-drained soil. Germ: No pretreatment needed, but a warm water soak before sowing may speed germination. Zone 8a *Norfolk Botanical staff*

Pac3000 *Packera aurea* SENEPIO, GOLDEN GROUNDSEL, RAGWORT Per. Sun/PtShade. ½-2½ x ½-1½'. Spring. Zone 3-8.
 0590 Dark green somewhat shiny foliage. Attractive spring flowers. Zone 7a *Mahony*

Pae1550 *Paeonia japonica* Per. Sun/PtShade/Shade. 18". Spring.
 0965 White flowers. Lovely, single white peony with yellow and red center for part to full shade. Goes dormant early but has showy seed pods before retiring. Zone 8a *Umpbrey*

Pae4500 *Paeonia ostii* TREE PEONY Per. Sun/PtShade. 5 x 10'. Spring. Zone 4-8.
 1607 White flower. Zone 7a *Jellinek*

Pae4900 *Paeonia rockii* Per. Sun. 7'. Summer.
 1224 Pink flowers. Germ: WMS for 60 days followed by 2nd CMS for 60-90 days; OW. Zone 6a *Lockhart*

Pae4990 *Paeonia suffruticosa* TREE PEONY Shrub. Sun/PtShade. 4-5 x 4-5'. Late Spring.
 1607 Single pink flowers. Zone 7a *Jellinek*

Pae6500 *Paeonia tenuifolia* FERN LEAF PEONY
 1224 Single red flower. Zone 6a *Lockhart*

Panicum - Penstemon

Pan0610 *Panicum virgatum* 'Dallas Blues' BLUE SWITCHGRASS PerGrass. Sun. 3-4'. Summer.
2937 A large grass with bluish foliage and pinkish blooms. Low germination rate, but the ones which do sprout also have a nice bluish color. Zone 6b *Bittmann*

Pap0480 *Papaver dubium* LONG-HEADED POPPY Annual. Full Sun. 18" tall. Summer.
9968 Orange-red flowers. Annual, sun, well drained soil. H 18" T, Summer. flowers 2" across, finely cut green foliage, self sows regularly. Germ: SIS. Zone 7a *Roper/Chanticleer*

Pap2320 *Papaver rhoeas* (red, burgundy) CORN POPPY, FLANDERS POPPY An. Sun. 12-18 x12-15". Summer.
0592 The genetic starburst of '24 was not repeated this year - plants are so inscrutable. Still, such loveliness, so eagerly attended by all the various bees awash in fresh anthers as the light comes up. The show continues on into summer, though this year I forced myself to edit more promptly than usual. SIS a must, though P. rhoeas is highly adaptable, even straying into light shade. Germ: SIS. Self-sowing annual, happy anywhere. Zone 6b *Malocsay*

Pap2350 *Papaver rupifragum* SPANISH POPPY Per. Sun. 3 x 8"; to 18" in bloom. Summer.
9968 Orange flowers. Papery orange flowers on wirey stems to 18-24" with gray-green foliage. Blooms spring through summer. Full sun, well-drained soil. Will self-sow. Germ: W, BC, SS, SIS. Surface sow seed and cover with fine grit to seeds depth. Zone 7a *Roper/Chanticleer*

Pap3450 *Papaver somniferum* 'Lauren's Grape' CARNATION POPPY, OPIUM POPPY An. Sun. 2-4 x 1'. Summer.
0797 Various, pale purple flowers. Germ: BC; SIS early spring. Zone 6a *Robinson*

Pap3550 *Papaver somniferum* (mixed colors) BREADSEED, OPIUM, CARNATION POPPY An. Sun. 2-4 x 1'. Summer.
0043 Pink and purple mix, double and single. Seeds around. We collect some seeds and throw them out after the last snow Zone 7a *Biderman/Barron*

Par4010 *Partbentum integrifolium* WILD QUININE Per. Sun/PtShade. 2-4 x 1-2'. Summer-Fall. Zone 4-8.
1249 Attracts many unusual pollinators. Looks great combined with Echinacea pallida and Verbena bonariensis. Drought resistant. Germ: CMS 60 days, then return to 70° F. Germination will commence in 3 weeks. Zone 8a *Finn*
1999 Clusters of milky-white button-like flowers bloom through summer on rough, aromatic foliage. Leaves were traditionally brewed as a fever remedy, giving rise to the name "wild quinine." Dry to medium soil. Germ: CMS 120 days. Zone 8a *Norfolk Botanical staff*
3865 Germ: CMS 30-60 d. BC. Max. germination time 2-3 wks. Zone 7b *Squire*

Pat1500 *Patrinia monandra* Per. Full sun-partial sun. 4'. Summer. Zone 6.
2621 Clump-forming with acid yellow flowers in the summer and flat seed heads into fall. Well-draining soil. Zone 7a *Nachlas*

Pat2050 *Patrinia scabiosifolia* GOLDEN LACE Per. PtShade/Shade. 3-6 x 1½-2'; from 3-5' in bloom. Summer. Zone 5-8.
3865 Germ: CMS 2-4 wks. BH. OW. Max. germination time 2-4 wks. Zone 7b *Squire*

Ped2000 *Pediomelum piedmontanum* DIXIE MOUNTAIN BREADROOT Per. Sun. 36". Zone 7b-9b.
0032 A rare North American native baptisia relative. In our garden, each 3' tall x 3' wide clump is adorned in June with hundreds of terminal clusters of tiny lavender flowers, creating a lovely effect, as well as being a feast for native bees and butterflies. Irmo, SC. Zone 8a *Plant Delights*

Pel1050 *Peltandra virginica* 'Purplicious' ARROW ARUM PURPLICIOUS Per. Sun/PtSun. 2'. Zone 5a-9b.
0269 Zone 7b *Ellis*

Pen2100 *Penstemon calycosus* LONG-SEPAL BEARDTONGUE Per. Sun/PtSun. 1-3'. Late spring- early summer. Purple. Zone 5-8.
1244 June bloom. Seed collected from one white-flowered plant that was particularly hardy and robust. Foliage in fall is an outstanding rich burgundy red. Visited by bees and hummingbirds in my garden. Zone 4b Zone 4b *Mitchell*

Pen3000 *Penstemon digitalis* FOXGLOVE, BEARD TONGUE Per. Sun/PtShade. 4 x 1½'. Summer.
1999 Tall spires of white tubular flowers with a faint blush of pink, beloved by pollinators. Germ: CMS 30 days and surface sow. Zone 8a *Norfolk Botanical staff*

Pen3750 *Penstemon grandiflorus* LARGE BEARDTONGUE Per. Sun. 2-4'. Summer. Blue. Zone 3-9.
1244 Unlike wild forms with pale lavender flowers, this seed source produces mostly plants with brilliant cerise flowers that contrast nicely with blue-green foliage. A smaller percentage of plants will have pale yellow flowers. Hardiest Penstemon I grow, and very drought tolerant, too. Likes lean, well-drained soils. Zone 4b *Mitchell*

Pen4000 *Penstemon bavardii* Per. Sun/PtShade. 72". Zone 5b-9b.
0032 Zone 8a *Plant Delights*

Pen4900 *Penstemon ovatus* Per. Sun/PtShade. 1½ x 1'. Summer.
0032 Zone 8a *Plant Delights*

Pen5175 *Penstemon PRISTINE BLUE BEARDTONGUE* Per. Sun/PtSun. 15-20". Summer to Fall. Lavender, blue. Zone 5-8.
1607 Zone 7a *Jellinek*

Pen5650 *Penstemon triflorus* Per. Sun. 1.5-2'. Red, pink flower in spring. Zone 7-9.
0032 Zone 8a *Plant Delights*

Pen9000 *Pentapetes phoenicea* COPPER CUPS An. Sun. 5 x 3'. Summer.
9975 Orange-red, mallow-like small flowers. Germ: Soak seeds in hot water for 12-24 hrs. Sow seeds 1/4" deep indoors 6-8 weeks before last frost date. W- 75 °F. Use humidity dome. Zone 7b *Bartram's Garden*
9991 Unusual annual with small mallow-like blossoms. Distinctive, olive green foliage with serrated edges. Germ: Sow seeds indoors 6-8 weeks before the last frost date at 75 °F. Scarify and soak seeds in hot water for 12-24 hours before sowing to improve germination. Zone 7b *Barnes Arboretum*

Per2000 *Persea podadenia* MEXICAN REDBAY, AMOLILLO, CHIHUANA CARA Shrub/Tree. 25'.
3436 Inconspicuous blooms. Similar to *Persea palustris*, except no bay leaf scent. Native to Mexico. 7a at least. Germ: CMS, BH, 40 d. May not need cold stratification. Zone 7b *Silberstein*

Per2650 *Persicaria orientalis* 'Shiro-gane Nishiki' PRINCE'S FEATHER An. Sun. 6-7 x 2-3'. Summer-Fall.
0199 Pink flowers. Large, heart-shaped leaves splashed with cream. Pink tassel flowers last months. Lushest growth in rich soil with plenty of water. Self-sows year to year. Zone 7 *Cresson*

Per3250 *Persicaria virginiana* 'Painter's Palette' JUMPSEED Per. Sun. 2-3+ x 2-4'. Late Summer-Fall.
3436 Red-pink blooms. Heavily variegated leaves and thin spikes of flowers in late summer. Thrives in moist shade. Germ: SIS, 30 d. Seeds around. Zone 7b *Silberstein*

Pet2200 *Petunia exserta* Per. Sun/PtSun. 2 x 2'. Summer. Zone 9b-11.
2515 Red flowers. Great in hanging baskets and containers. Zone 7a *Doblmaier*

Peu1400 *Peucedanum verticillare* HOG'S FENNEL, MILK PARSLEY Biennial/Per. Sun/PtSun. 6-10 x 2-3'. Summer. Zone 6-8.
3865 Germ: CMS 4-8 wks. BC. W. Zone 7b *Squire*

Pha0200 *Phacelia bipinnatifida* FERNLEAF PHACELIA Bien. PtShade/Shade.
1017 Blue blooms. Lovely, early, short-lived perennial, nice foliage. Zone 6a *Whitesell*

Phl0050 *Phlomis cashmeriana* KASHMIR SAGE Per. Sun. 2-3 x 2'. Mid-summer.
0199 Lilac-pink flowers. Felted flower spikes above large hairy grey-green spade-shaped foliage. Hardy, drought tolerant and prefers good drainage and air circulation. Zone 7 *Cresson*

Phl0200 *Phlomis tuberosa* JERUSALEM SAGE Per. Sun/PtSun. 2-4' x 1.5-2'. Summer. Zone 6-9.
0199 Purplish pink flowers. Summer bloom on tall spikes to 6' above large basal leaves. Drought tolerant. Zone 7 *Cresson*

Phy1300 *Phytolacca americana* 'Silberstein' VARIEGATED POKEWEED Per. Sun/PtShade. 3-4'. Late Spring-Midsummer.
3436 Small pink/white flowers and purple berries. Scatter seed outdoors on mineral soil in fall to germinate in spring. Deer resistant. Germ: CMS, R, OW, SS, SIS, RTp, 21 d. Zone 7b *Silberstein*

Pil1000 *Pilosella officinarum* MOUSE-EAR HAWKWEED Per. Sun/PtSun. 8-12' tall. Early Summer. Zone 6-9.
0199 Forms a grey foliaged mat of stoloniferous rosettes with lemon-yellow dandelion-like flowers in early summer. Good groundcover for a dry sunny site. Needs space. Zone 7 *Cresson*

Pla2000 *Platycodon grandiflorus* BALLOON FLOWER Per. Sun/PtShade. 2-3' x 1-1.5'. Summer. Zone 3-8.
1181 Blue flowers. Full sun to part sun. Summer-blooming. 2-3' tall perennial Zone 7b *Cypbers*

Pla2050 *Platycodon grandiflorus* (blue, double) BALLOON FLOWER Per. Sun/PtShade. 30 x 30". Summer.
3483 Balloon-like buds open to violet, double, bell-like flowers in midsummer. Zone 7a *Mrazik*

Plu0060 *Pluchea odorata* var. *succulenta* SWEETSCENT Per. Sun/PtSun. 2-4'. Pink. Summer
1875 Zone 6b *Stafford*

Polanisia - Ratibida

Pol0250 *Polanisia dodecandra* DWARF CLEOME An. Sun. 2 x 1½'. Summer-Fall.
0797 White flowers. Germ: BC; SIS. Zone 6a *Robinson*

Pol2010 *Pollia japonica* Per. PtShade/Shade. 2 x 1'; from 3-4' in bloom. Summer.
3436 White flowers. Germ: BC; SR; Little blue berries. rhizomatous, spreads, but controllable. Zone 7b *Silberstein*

Por4000 *Porophyllum ruderale* BOLIVIAN CORIANDER An. Sun. 3-5'.
1228 Herbaceous annual plant from the Americas with edible leaves used for seasoning food. Its strong flavor is described as a mix of cilantro, arugula, and rue and it is often used as a cilantro substitute, especially in salsas. Germ: Reseeds readily, with wind-dispersed seeds that can make it appear as a persistent volunteer in the garden. Zone 7a *Labash*

Pot2010 *Potentilla rupestris* CINQUEFOIL Per. Sun. 15 x 15". Spring.
0199 White flowers. Floriferous. Seeds generously, so deadhead plants some. Easy, reliable, and attractive in perennial border or rock garden. The perfect cottage garden plant, as it mingles with its companions. Zone 7 *Cresson*

Pot2450 *Potentilla thurberi* CINQUEFOIL Per. Sun/PtShade. 1½ x 1'. Spring/Summer.
0199 From the Southern US and Mexico comes this easy, long-blooming perennial with sprays of deep red small flowers. Best in an open sunny location with good drainage. About 18" tall. Zone 7 *Cresson*

Pri2150 *Primula japonica* (mixed colors) JAPANESE PRIMROSE Per. PtShade. 18". May. Zone 4-8.
1224 Germ: Cycle: Alternate cold and warm periods; BC Zone 6a *Lockhart*

Pro2000 *Prospero autumnale* AUTUMN SQUILL
0118 Pink blooms. Hardy bulb to 8 . Autumn Squill. Europe. What a treat to have this pink squill blooming in September. Open racemes display the bractless flowers. Not fussy about soil. Adorable. Sun/partial shade. Germ: CMS: 50 d, C, BC, SIS. Zone 6b *Stonecrop Gardens*

Pse4000 *Pseudorhipsalis ramulosa* RED MISTLETOE CACTUS Per. MorningSun/filtered light. Up to 3' Zone 10a-11b.
1249 Easy to grow rainforest cactus with dazzling, flat, ox-blood red leaves and glossy white berries reminiscent of mistletoe. Moist soil and high-light locations are best. Germ: Surface sow seeds, cover pot with plastic wrap to maintain humidity and keep soil temps at 80-85°F. Germination takes about a month. Zone 8a *Finn*

Pte0100 *Ptelea trifoliata* 'Aurea' GOLDEN HOP TREE, WAFER-ASH Tree/Shrub. Sun/PtShade/Shade. 15-20 x 15'. Zone 3-9.
0794 Native to much of the eastern US. Grows well on a dry, rocky slope in my garden. Gold trifoliate foliage most evident in spring. Greenish-white flowers in June-July, not particularly showy. Self-sows occasionally; seedlings have gold leaves. Host plant for the giant swallowtail butterfly. Original plants from Wave Hill. Zone 7a *Rimmer*

Pte0510 *Pterostyrax hispida* FRAGRANT EPAULETTE TREE Tree. Sun/PtShade. 20-50' x 20-40'. Spring-Summer. Zone 4-8.
3886 A beautiful multi-limbed or single trunk tree with highly ornamental and unusual white flowers that resemble a military epaulet, hence its common name. The flowers hang in pendulous clusters and can last several weeks if the temperatures are not scorching. The seedpods persist on the tree and though subtle create another season of interest when the leaves descend. A close relative of Halesia. China, Japan. Germ: JC, CMS 3 months. Zone 6a *Hortus Gardens/Levy*

Pun1000 *Punica granatum* 'Hardy Russian' POMEGRANATE Shrub. Sun. 6-15'. Late Summer.
0199 Orange blooms. Yes, it is true, a winter hardy pomegranate that will bear edible, tasty fruit in the Delaware Valley that ripens October-November, and lots of them too! The bright orange flowers in early to late summer and yellow fall color might be enough for some. One of several hardier forms from the region of southern Russia. Zone 7 *Cresson*

Pyc1050 *Pycnanthemum muticum* MOUNTAIN MINT Per. Sun. 2½ x 1½'. Summer-Fall.
1228 Pale pinkish green flowers. Uses: Culinary, dried flower, and cut flower. Bees love it. Germ: WMS. Zone 7a *Labash*

Rat3000 *Ratibida columnifera* MEXICAN HAT, LONG-HEADED CONEFLOWER Per. Sun. 1-3' x 1-1.5'. Summer. Zone 4-9.
0592 Single petal flounce of marigold red. I've lost 'Red Dwarf' so have to push this one over sideways. Poor ground may abridge it usefully. Picks well. Seed collected in Larimer County, CO. Germ: NST. Zone 6b *Malocsay*
2621 Drooping yellow rays around a long brown cone from May-August. Drought tolerant, attractive, easy care. Zone 7a *Nachlas*
3483 Yellow flowers with a long, darker, cylindrical, central disk. Native. Zone 7a *Mrazik*
3610 Zone 7b *Pavlovic*

Rha0500 *Rhipidophyllum brytrix* NEEDLE PALM, BLUE PALMETTO Palm. Sun/PtShade. 5 x 5'. Summer. Zone 6-10.
0199 Seed from my plant. Hardy outdoors since 1997 without protection! The hardiest palm. Considered Zone 6 or colder! A scrub or bush palm with palmate leaves and no trunk. Native to South Carolina, Georgia, Alabama and Florida. Germ: BC; W; 6 mo-2 yr. Palms should be sown immediately and can be slow to germinate. Zone 7 *Cresson*

Rho6490 *Rhodophiala bifida* OXBLOOD LILY, SCHOOLHOUSE LILY PerBulb. Sun/PtSun/Shade. 6-12" Zone 6-9.
1249 Drought and heat-resistant bulbs from South America known for their red, amaryllis-like blooms in late summer and early fall, often coinciding with the beginning of the school year, hence the moniker "Schoolhouse Lily". The strappy leaves emerge after the plants bloom and grow throughout winter, going dormant in spring. Germ: NST, germinates in 3 weeks when sown at 75° F. Cover pot with plastic wrap to maintain high humidity levels. Zone 8a *Finn*

Ric1200 *Ricinus communis* 'Carmencita Pink' CASTOR BEAN An. Sun. 6 x 3'. Summer.
2515 Pink flowers. All parts of this plant are poisonous. Leaves are large with a slightly reddish tint. Quite a bold statement in the garden. Germ: BH. Zone 7a *Doblmaier*

Ric1230 *Ricinus communis* 'Carmencita Red' CASTOR BEAN TenPer. Sun. 6-9'. Summer.
2515 Red flowers. All parts of this plant are poisonous. Leaves are large and maroon colored. I use this Castor Bean as the taller plants in my containers. Germ: BH. Start seeds late January through late February for sturdier plants in May. Zone 7a *Doblmaier*

Ric1500 *Ricinus communis* 'New Zealand Purple' PURPLE CASTOR BEAN Shrub. Sun. 6-10'. Late Summer/Early Fall. Zone 8a-11.
2517 Red Blooms. Poisonous plant to animals and humans. Zone 7a *Weaver*

Ros3250 *Rosa* 'Geranium' (moyesii hybrid) Woody. Sun. 12 x 10'. Summer.
0199 Red flowers. Highly valued for large, bottle-shaped, waxy, red hips in fall. Masses of single red flowers early June. Large fountain-shaped shrub. Grow with a native clematis for summer. Zone 7 *Cresson*

Ros5100 *Rosa primula* INCENSE ROSE Shrub. Sun/PtSun. 6 x 6'. Mid-spring. Zone 4-8.
0199 Soft yellow. Fountain-shaped shrub covered with primrose yellow flowers in mid spring, followed by small black hips in summer. Foliage has a pleasant spicy scent. Disease resistant and easy to grow. Introduced in 1890 from Samarkand, along the old Silk Road. Zone 7 *Cresson*

Ros6010 *Rosa virginiana* Shrub. 3-6 x 2-3'. Spring-Summer. Zone 3-8.
0269 Zone 7b *Ellis*

Rud1400 *Rudbeckia fulgida* BLACK-EYED SUSAN Per. Sun. 24-36" x 24-30". Summer-Fall. Zone 3-9.
1181 Deep yellow daisy flower with dark brown center. Self seeds. Deer resistant. Seeds attract birds. Zone 7b *Cyphers*

Rud1600 *Rudbeckia fulgida* var. *fulgida* ORANGE CONEFLOWER Per. Sun. 2-3 x 2-3'. Late Summer-Fall. Zone 3-7.
0794 Drought tolerant. Flowers for a very long time from late summer until a heavy frost. Self-sows gently among Amsonia, Eutrochium and Agastache along my dry driveway bed. Seeds attract birds. Native to eastern US. Original plants from Bowman's Hill. Zone 7a *Rimmer*

Rud2700 *Rudbeckia hirta* GLORIOSA DAISIES Bien./Per. Sun. 3 x 3'. Summer-Fall.
3079 Yellow flowers with red/brown toward the base. Annual flower of the daisy family. Zone 7a *Menke*

Rud3500 *Rudbeckia laciniata* CONEFLOWER Per. Sun. 2 x 2'; from 4-6' in bloom. Summer-Fall.
3865 Germ: CMS 4-6 wks. OW. Max. germination time 2-4 wks. Zone 7b *Squire*

Rud4050 *Rudbeckia maxima* GIANT CONEFLOWER Per. Sun/PtShade. 6-7' x 2'. Summer. Zone 4-9.
0592 Tall brown cones rise above mere skirts of yellow petals towering above boldly glaucous foliage. Self-supporting even in high wind in a very tough spot. Jenkins Arboretum winter-sows direct. Source: HPS/MAG 22/23. Strong deep roots make for slow recovery from a move. Zone 6b *Malocsay*
0951 Yellow flowers. Great bold silver-blue foliage. Native to South Central US. Tall stems in midsummer bearing yellow daisies with tall cones. Germ: CMS Zone 7a *Tracey*
1224 Yellow flowers. Germ: NST; W. Zone 6a *Lockhart*
3865 Yellow flower. Germ: CMS 3mos. BC. BH. Max. germination time 1-2wks. Zone 7b *Squire*

Rud4930 *Rudbeckia subtomentosa* 'Henry Eilers' SWEET CONEFLOWER, SWEET BLACK-EYED SUSAN Per. Sun/PtShade. 3-5 x 1-2'. Summer-Fall.
3079 Yellow flowers that have a quill-like effect. The ray flowers are rolled. Foliage has a slight, sweet scent. Zone 7a *Menke*

Rudbeckia - Salvia

Rud5100 *Rudbeckia triloba* BLACK-EYED SUSAN, BROWN-EYED SUSAN Bien./Per. Sun/PtShade. 5 x 3'. Summer-Fall.
1585 Flowers orange with brown centers. Clouds of small orange daisies cover branches in late summer, attracting both bees and butterflies. Germ: NST. Self-sows. Zone 5b *Scofield*
1918 Yellow flowers with a brown center. Native, short-lived perennial. Self sows. Left alone by deer. Flowers for months. Seed eaten by birds like goldfinches. Germ: NST. SIS. Zone 7a *Carey*

Rue1040 *Ruellia humilis* WILD PETUNIA Per. Sun/PtShade. 1 x 1'. Summer.
1477 A charming native wild flower that thrives in sunny, dry conditions. Will happily self-sow, but not a garden thug. Germ: CMS, L Zone 7a *Haskins*

Rue2000 *Ruellia 'Black Beauty'* Per. Sun/PtSun Zone 7a - 8b at least.
0032 10" tall x 18" wide clump of dark black thumb-shaped leaves. Starting for us in mid-June and continuing through August, the clumps are topped with 2" mauvy lavender flowers Zone 8a *Plant Delights*

Rum0010 *Rumex acetosa* SORREL Per. 1.5-2' x 1.5-2'. Full sun. Summer. Zone 3-7.
1228 Zone 7a *Labash*

Sab0500 *Sabal minor* DWARF PALMETTO Palm. Sun/PtShade/Shade. 6 x 6'; to 7' in bloom. Summer. Zone 6-7.
3436 White blooms. Seeds for this strain originally from GA. Leaflets a bit more narrow than other *S. minor*. Zone 6-7 so best near building. Germ: BH, SR. Zone 7b *Silberstein*

Sab0550 *Sabal minor Sabal minor Louisiana form* LOUISIANA PALMETTO Shrub. Sun/PtShade. 6-12'. Spring/Summer. Zone 7a (protected)-11.
3436 White-inconspicuous blooms. Grow in container for a few yr. Slow-growing; about 4 leaves per yr. Easily damaged by wet snow or ice and will freeze to the ground in the open in 7a. About 5 yr from seed to flowering. More vigorous than *S. minor*. Hardy to 7a if grown on warm side of building. Freezes back below zero and can windburn, but regrows from base. Don't let container freeze or dry out. Germ: Soak: 1 d, BH, 90 d. Easier to transplant than *S. minor*. Shrubby fan palm. Zone 7b *Silberstein*

Sab0580 *Sabal minor 'McCurtain'* DWARF PALMETTO, BLUESTEM PALMETTO, BLUE PALM Palm. Sun/PtShade. 4-6 x 4-6'. Spring-Summer. Zone 6-7.
0199 Greenish white blooms. Trunkless, evergreen, native fan palm makes a surprising foliage plant year around. Bluish green foliage. Seed from my plant hardy since 2000, originated from a natural stand in McCurtain County, Oklahoma. 4-6' tall. Sun-part shade. Zone 7 *Cresson*

Sab0600 *Sabal minor NE Texas Form* DWARF PALMETTO, BLUESTEM PALMETTO, BLUE PALM Palm. Sun/PtShade. 4-5 x 4-8'. Spring-Summer. Zone 6-7.
3436 White-inconspicuous blooms. Grow in container for a few yr. Slow-growing; about 3 leaves per yr. A bit more wind-resistant than East coast *S. minor*. Six or seven yr from seed to flowering. Hardy to 6b if grown on warm side of building. Freezes back below zero and can windburn, but regrows from base. Don't let container freeze or dry out. Germ: Soak: 1 d, BH, 90 d. Second hardest member of the palm family. Shrubby fan palm; no trunk. Zone 7b *Silberstein*

Sal0400 *Salvia argentea* SILVER SAGE Bien. Sun/PtShade. 10 x 30"; to 3' in bloom. Spring.
0199 White flowers. You will grow this for the spectacular rosettes of large wooly grey leaves. But in the 2nd year, the tall, branched inflorescence bears small tubular white flowers all summer. Grow it in a well-drained site where the foliage dries quickly. Zone 7 *Cresson*

Sal0600 *Salvia azurea* BLUE SAGE, PRAIRIE SAGE Per. Sun. 3 x 2'. Summer.
2515 Lovely light blue *Salvia*. Drought tolerant. Will need staking. Native to central US. A real bee magnet. Germ: NST. Zone 7a *Doblmaier*

Sal1100 *Salvia coccinea 'Brenthurst'* An. Sun. 20-30 x 12". Summer-Fall.
0522 Peachy pink flowers. Betsy Clebsch observes this will come true from seed if no other *S. coccinea* cross pollinates the plants. Wonderful filler plant. Deadheading promotes bloom. Germ: L; W, 10d. Zone 8a *Kushner*
0592 Bloom: pink and white combo. Generous self-sowing annual. Keeps it up till frost, even without deadheading. I grow no other *S. coccinea* so it stays true. Germ: NST Zone 6b *Malocsay*

Sal2350 *Salvia guaranitica* ANISE-SCENTED SAGE An./TenPer. Sun/PtShade. 5 x 2'. Summer-Fall.
0522 Brilliant, true-blue flowers. Blooms for months. Zone 8a *Kushner*

Sal2690 *Salvia indica* TenPer. Sun. Zone 9.
0592 RHS: "white, and blue or violet to lilac tipped" but this cv is intense violet, best appreciated close up. Furry foliage is a soft radiant grey-green, wonderfully generous in ground or containers. sprawling, falling, clambering up. Long vase life. It roots quickly in water, so one sowing and it's yours. Zone 6b *Malocsay*

Sal3600 *Salvia roemeriana* CEDAR SAGE Per. Sun/PtSun. 18 x 24". Late Spring. Zone 7-11.
0592 Its bright red color is especially welcome early and up front in a gravelly area. Has anyone studied the bird-food value of Salvia seed? The nectar value is obvious. Zone 6b *Malocsay*
1244 Red flowers bloom in spring. Summer blooms are cleistogamous and don't open. Not hardy for me (zone 4), but easy as an annual. Germ: NST Zone 4b *Mitchell*

Sal4915 *Salvia splendens* 'Peachy Pink' Ten.Per. Sun. 1-2'. Summer Zone 10-11.
0794 Zone 7a *Rimmer*

Sal4950 *Salvia subrotunda* TenPer. Sun/PtShade. 3-4 x 2-3'. Late Spring-Early Fall.
2515 Tall salvia that blooms from June until frost. A great red flower that attracts hummingbirds. Zone 7a *Doblmaier*

Sal5300 *Salvia uliginosa* BOG SAGE An./TenPer. Sun. 4-6 x 3'. Late Summer-Fall. Zone 6a-10b.
0592 A sky blue delight much favored by all nectarists. Hummingbirds attentive, even possessive, A Salvia expert said take the Bog hint and keep it well watered for longer life. Argentine it may be, but survived the historic chill of Christmas '23, doubled in size in '24/25 and come spring '26 will need restraint by way of division. Up close appreciation is a must made easy by good vase life. Zone 6b *Malocsay*
2515 Blue flowers. Can tolerate a wet site. Flowers later in the summer. Zone 7a *Doblmaier*

San0100 *Sanguisorba armena* Per. Sun/PtShade. 3-4'. Late Spring/Early Summer.
0199 White blooms. Large glaucous 3' foliage resembles *Melianthus major*. Nodding, white, bottle-brush flower spikes in early summer. Probably best with part sun and moist soil. Turkish native. Zone 7 *Cresson*

San1220 *Sanguisorba officinalis* 'Chocolate Tip' BURNET Per. Full Sun to part shade. 2' x 1-1/2'. Summer to Fall. Zone 4-9.
3483 Airy, chocolate-maroon flowers bloom from Summer to Fall. Zone 7a *Mrazik*

Sap1000 *Saponaria officinalis* SOAPWORT, BOUNCING BET
1585 White flowers, tinged with pink. Open flower heads on angled 18" stalks. Intensely fragrant at night. Leaves produce a gentle lather (useful near an outdoor faucet). Germ: NST. Zone 5b *Scofield*

Sar0500 *Sarcococca confusa* SWEETBOX Shrub. 3-5 x 3-5'. Winter.
0522 Ivory White. Sweetly scented, winter flowering evergreen shrub. 3-5' X 3-5'. Germ: C; 1-4wk. Zone 8a *Kushner*

Sca1000 *Scabiosa atropurpurea* PINCUSHION FLOWER An.
0592 'Black Night' is the species/cultivar - dark maroon blooms with pink anthers. I wish now I hadn't compromised my seed offering with 'Merlot' - and that the doggone rabbits hadn't decided to eat it down early. This year chicken wire cages cried out for something better in '26. Best appreciated close up, picked ahead of the anthers showing. Germ: NST. Zone 6b *Malocsay*

Sca1360 *Scabiosa columbaria* ssp. *ochroleuca* YELLOW PINCUSHION Per. Sun/PtShade. 1-3'. Yellow. Summer to Fall. Zone 4a-10b.
9968 Zone 7a *Roper/Chanticleer*

Scu4010 *Scutellaria incana* DOWNT SKULLCAP Per. Sun/PtShade. 2-3 x 2'. Summer-Fall. Zone 5-8.
0269 This tough native mint-family perennial produces masses of small, lipped, blue flowers. Plants form clumps but do not travel widely as many other mints do. They tolerate full sun in moist soil, but with shade are tough and drought tolerant. Zone 7b *Ellis*
0951 Lavender-blue. Germ: CMS Zone 7a *Tracey*
1017 Blue flowers. Great upright self-supporting midsummer perennial. Can seed around a bit, but always welcome. Zone 6a *Whitesell*
2621 Best in dryish soil. Small lavender-blue "snapdragons" in close, packed spikes. Silver green leaves. Spreads slowly. Origin HPS'12. Germ: Slow and erratic. Direct in fall or CMS, keep moist. Zone 7a *Nachlas*
9985 Blue blooms. Native. Germ: CMS: 90 d. Zone 7a *Jenkins Arboretum*

Senna - Solanum

Sen1750 *Senna didymobotrya* CANDLESTICK SENNA, POPCORN CASSIA TenShrub. Sun. 6-10'. Summer-Fall. Zone 9-11.
0592 Nursery pot of '23 sowed seed that didn't show till '25 nearby, crowding the path with humongous show by the end of September. It has survived a series of October frosts but in '26 I'll follow Charles Cresson's suggestions - "Particularly good in pots where the root restriction helps promote earlier and more prolific, continuous bloom on young plants" - for prompting smaller size and earlier bloom. Bouquet high drama! Germ: Scfy, soak 24hrs, C 1/4". Zone 6b *Malocsay*

Sen2010 *Senna marilandica* WILD SENNA Per. Sun/PtShade. 3-6' x 2-3'. Summer-Fall. Zone 4-9.
0797 Yellow flowers. Self-sows gently for me. May need CMS. Zone 6a *Robinson*

Ses1650 *Seseli gummiferum* MOON CARROT Bien./Per. Sun. 15 x 12". Summer.
9968 Fine textured, gray-green foliage. Soft pink umbels. Germ: L. Direct sow in autumn to early spring. Germinates in cool temps. Zone 7a *Roper/Chanticleer*

Set2000 *Setaria palmifolia* PALMGRASS, BROAD-LEAVED BRISTLEGRASS, HAILANS PITPIT Grass. Sun/PtShade. 3-6'. Summer.
3436 Greenish white blooms. Needs to be dug and brought indoors in fall. Seeds around. Germ: Thrives with heat and water. Zone 7b *Silberstein*

Sil0050 *Silene armeria* SWEET WILLIAM CATCHFLY, NONE-SO-PRETTY Per. Sun/PtShade. 12-24" in bloom. Summer. Zone 5-8.
0797 Hot pink blooms. Germ: SIS; NST. Self-sows. Zone 6a *Robinson*
2621 Bright rose pink tiny flowers cover the plant mid summer. Med moisture but tolerates dry soil. Bright spots of color that pop up from volunteers. Germ: Can start indoors in winter or SIS early spring. Zone 7a *Nachblas*

Sil1600 *Silene ovata* BLUE RIDGE CATCHFLY Per. Sun/PtSun. 12-60 x 12-20". Summer/Fall. Zone 7-8.
0032 Zone 8a *Plant Delights*

Sil1700 *Silene regia* ROYAL CATCHFLY Per. Sun/PtShade. 2½ x 1'. Summer.
0199 Reddish orange blooms. Tall 4' spikes July-August resemble cardinal flower, but thrives on dryish clay in sun to part shade. Easy mid-Western and Southern native in prairies and open woods. Zone 7 *Cresson*
1017 Scarlet red blooms. Nice upright midsummer bloom, attracts hummingbirds. Zone 6a *Whitesell*

Sil1900 *Silene samojedorum* CHINESE CATCHFLY Per. Sun/PtSun.
1249 Eye-catching, rosette-forming perennial with late-spring hot pink flowers that attract bees and hummingbirds. Prefers full sun and well-drained soil. Germ: CMS for 1 month followed by sowing at 70° F for germination in 1 month. Zone 8a *Finn*

Sil4200 *Silphium mohriti* SHAGGY ROSINWEED Perennial. Sun/Pt Sun. 2'-5' x 3'. Late Summer. Zone 5-9.
0794 Tall, drought-resistant perennial with hairy leaves and fuzzy branched stems. Nice leemony-yellow flowers. Blooms for a long time from summer through fall. Attracts birds and butterflies. Native SE US. Zone 7a *Rimmer*
0951 Soft yellow flowers. Long blooming native. Great seed heads. Germ: CMS Zone 7a *Tracey*
9968 Zone 7a *Roper/Chanticleer*

Sil4260 *Silphium perfoliatum* CUP PLANT Per. Sun/PtShade. 8 x 4'. Summer-Fall. Zone 3-9.
0269 Zone 7b *Ellis*
1999 Golden-yellow daisy-like blooms; average to rich soil. Germ: CMS 60 days. Zone 8a *Norfolk Botanical staff*
3483 Yellow ray flowers. Leaf pairs are united at the base, enveloping the stem. Native. Zone 7a *Mrazik*

Smy2050 *Smyrnium perfoliatum* BIENNIAL ALEXANDERS Bien. PtSun/PtShade. 3-4'. Spring.
0965 Yellow bloom. This just popped up in my garden and I loved it. May bloom time. Zone 8a *Umpbrey*

Sol0400 *Solanum integrifolium* ORNAMENTAL EGGPLANT, PUMPKIN ON A STICK An. Full sun. 4' Tall. Late Summer-Fall. Zone 7.
2517 Typically grown as an ornamental. Miniature pumpkins late summer to early fall. Requires staking. Germ: NST Zone 7a *Weaver*

Sol0656 *Solanum lycopersicum* 'Dwarf Eagle Smiley' DWARF TOMATO An. Sun. 5'.
0110 Small yellow cherry tomatoes. Grown from HPS 2025 seeds from LeHoullier. Zone 7a *Brown*

Sol0666 *Solanum lycopersicum* 'Dwarf Mocha's Plum' DWARF TOMATO An. Sun.
0110 Small purple tomatoes. Grown from HPS 2025 seeds from LeHoullier. Zone 7a *Brown*

Sol0850 *Solanum lycopersicum* 'Sweet Gold' CHERRY TOMATO An. Sun. Indeterminate. Yellow
0002 Jewel-toned like gold sweet tomatoes. Crack resistant. Very productive. Germ: NST Zone 7a *Bowell*

Sol1250 *Solanum quitoense* NARANJILLA TenPer. Sun. 6-8 x 4'. Summer-Fall. Zone 9b-11.
0269 White insignificant blooms. 8' shrub from S. America. Flowers are followed by round green fruit that turn orange when mature. The common name means "little orange." (The fruit is crushed and mixed with sugar to make naranjilla juice in Ecuador). For gardeners, the showy, 2'-long, 1½'-wide leaves make the plants handsome additions to sunny beds, borders, and large containers. The leaves are very spiny, and the spines are showy. Germ: BH, BC; Germination time is similar to tomatoes. Start seedlings in mid winter. Plants are ready for transplanting in about 2-3 mo. from sowing. Give plants full sun and rich, well-drained soil. Plants take up to 12 mo. to begin fruiting, so for fruiting plants, overwinter in a greenhouse or indoors. Zone 7b *Ellis*

Sol1450 *Solidago bicolor* SILVERROD Per. Sun/PtShade. 1-3'. Summer-Fall. Zone 5a-10a.
0199 White flowers. The only white-flowered goldenrod species. White flowers born in terminal spikes. Easy native. Originally from Eastern Shore of Maryland in dry shade, clay soil on a wood's edge. Zone 7 *Cresson*

Sol1500 *Solidago caesta* WREATH GOLDENROD Per. PtShade/Shade. 2'. Fall. Zone 4-8.
0199 Yellow flowers. Tolerant of dry shade. A good nonspreading goldenrod for dry shade that looks great in fall with woodland asters Zone 7 *Cresson*

Sor8660 *Sorghastrum nutans* 'Thin Man' THIN MAN INDIAN GRASS Per. Full sun. 6' x 2' Zone 4-9.
3483 Clump-forming ornamental grass grown for its coppery-bronze seed heads and its narrow, upright structure. Native. Zone 7a *Mrazik*

Spi1250 *Spigelia marilandica* INDIAN PINK Per. Shade/PtShade. 1-2 x 1-2'. Spring-Summer. Zone 5-9.
0318 Part shade. Will bloom into fall if deadheaded. Native. Seeds in. Requires well drained, but moisture retaining soil. Amend soil with organic matter. Germ: CMS, 2-3 months Zone 7a *Garnett*
1999 Bright scarlet-red tubular flowers with yellow star centers; prefers rich, moist woodland soils. Germ: CMS 60 days. Zone 8a *Norfolk Botanical staff*
3682 Native. Red & yellow flowers. Zone 5b *Purdy*

Spr1000 *Sprekelia formosissima* AZTEC LILY TenBulb. Sun. 10-12". Red Zone 8-11.
1249 From Guatemala. Can be grown as a potted plant in colder climates. Produces several flushes of spectacular, 6-inch crimson red, orchid-like flowers during the growing season. Plants typically go dormant during the winter Germ: NST Zone 8a *Finn*

Sta3200 *Stachys minima* DWARF BETONY Per. Sun/PtShade. 6-12 x 15-18". Spring-Summer.
0522 Rose purple blooms. Dark green leaves of a spreading groundcover. Full sun to part shade. Dwarf 4-8". Native to South Africa. Border of rock garden is best siting. Zone 8a *Kushner*

Sta3300 *Stachys officinalis* BETONY Per. Sun/PtShade. 12-18 x 12-18"; to 2' in bloom. Summer.
1585 Mix of rose pink, deep purple, and mauve flowers. Blooms for several weeks in summer. Spires to 24" bloom over bright green rosettes. Zone 5b *Scofield*

Sta3330 *Stachys officinalis* (dwarf form) WOOD BETONY Per. Sun/PtShade. 2½ x 12-15"; to 6" in bloom. Summer.
0199 White or magenta flowers. A tight grower, ideal for the front of the border or a rock garden. Zone 7 *Cresson*

Sta3340 *Stachys officinalis* 'Hummelo' PURPLE BETONY Per. Sun/PtShade. 24-36 x 18-24". Summer. Zone 4-9.
0522 Rose-lavender blooms. Good perennial ground cover notable for its floral display in July-Sept. 1.5-2' X 1.5-2'. Full sun. Cutting back encourages reblooming. Zone 8a *Kushner*

Ste0050 *Sternbergia lutea September Form* AUTUMN DAFFODIL Bulb. Sun/Deciduous Shade. 8". September. Zone 7-9.
0199 Coveted form that flowers 2-3 weeks before other Sternbergia. Golden yellow flowers appear with fresh green leaves. Leaves will persist until late April when bulbs go dormant. In colder regions plant in sheltered location for winter foliage. Deer and rodent proof. Zone 7 *Cresson*

Ste0070 *Sternbergia sicula* AUTUMN DAFFODIL Bulb. Sun/Deciduous Shade. 6". October Zone 7-9.
0199 Golden yellow flowers. This species differs from *S. lutea* in its smaller size, narrower leaves and striated pointy petals, but it is no less beautiful! Also very difficult to obtain. Deer and rodent proof. Zone 7 *Cresson*

Sto2190 *Stokesia laevis* 'Divinity' STOKES' ASTER Per. Sun. 1-1.5'. White. Summer. Zone 5-9.
1249 The white aster-like flowers on this long-blooming perennial are a favorite with butterflies. Foliage is evergreen for me. Seems to come true from seed. Germ: NST Zone 8a *Finn*

Stokesia - Talinum

Sto2300 *Stokesia laevis* 'Klaus Jelitto' STOKES ASTER Per. Sun/PtShade. 6 x 8"; 18-20" in bloom. Summer.
0200 Lavender-blue flowers; to 18", likes dry soil. Wonderful filler plant in the perennial garden. Germ: W. Zone 7a *Creveling*

Sty1050 *Stylophorum lastocarpum* CHINESE CELANDINE POPPY Per. Sun/PtShade/Shade. 12-18 x 12-16". Spring-Fall.
0199 Yellow flowers. This Chinese species is smaller and less aggressive than our native species. A basal rosette gives rise to stalks bearing yellow flowers in May, followed by elongated seed pods. Will self sow. A true rarity for the woodland garden. Zone 7 *Cresson*

Sty5000 *Styrax hemsleyanus* HEMSLEY SNOWBALL Shrub/Sm.Tree. 15-25'. Sun/Pt Sun. Zone 5-9.
3886 Beautiful plant that in spring and summer has delicate white flowers that hang like little bells. The overall effect can be quite ornamental. The sweet-smelling flowers attract bees, making it an excellent addition to pollinator gardens. Grows well with sun - shade and even moisture - regular water. Does well in average and well-drained soil. Occasionally mistaken for *S. obassia* when not in flower, but the leaves of *S. obassia* are rounder, more coarsely toothed, and much more downy beneath. Zone 6a *Hortus Gardens/Levy*

Sty5020 *Styrax japonicus* JAPANESE SNOWBELL Tree. Sun. 25 x 20'. Spring. Zone 5-9.
0522 White. Good specimen tree with fragrant, pendulous blossoms. Interesting structure. Germ: SR. Zone 8a *Kushner*

Sty5130 *Styrax japonicus* 'Carillon' JAPANESE SNOWBELL Tree. Sun/PtShade. 8-12 x 12'. Summer.
3436 White, hanging bell-like flowers. Germ: CMS; Seed collected from weeping variety. At least some seedlings will exhibit weeping growth. Needs to be staked to desired height. Zone 7b *Silberstein*

Sty5150 *Styrax japonicus* 'Emerald Pagoda' Tree. Sun/PtShade. 20-30 x 20-30'. Spring-Early Summer. Zone 5-9.
0522 White flowers. A J. C. Ralston introduction from South Korea. Has larger leaves and flowers than the species. Good article on styraxes in June 2014 issue of the RHS The Plantsman. Zone 8a *Kushner*

Sty5240 *Styrax japonicus* 'Pink Chimes' Tree. Sun. 20'. Spring.
3436 Light-pink flowers. Germ: CMS; May or may not come true from seed. Zone 7b *Silberstein*

Sym0265 *Sympyotrichum georgianum* GEORGIA ASTER Per. Sun/PtShade. 2-3' tall. Fall. Zone 3-9.
0522 Violet Blue blooms. An outstanding aster. Large 2" flowers adds a punch of vibrant color to the autumn garden. Difficult to find in the market place. Zone 8a *Kushner*

Sym0610 *Sympyotrichum novae-angliae* NEW ENGLAND ASTER Per. Sun. 3 x 2'. Fall. Zone 4-8.
0084 Purple blooms. Fall bloomer, Native. Zone 7a *Bowditch*
1918 Pink or purples flowers. This tall, perennial, native, fall-blooming aster is good for late season pollinators, cut flowers, and native plantings. Mixed colors. 6' or more unless Chelsea chopped. Germ: SIS. Zone 7a *Carey*

Syn1250 *Syneilesis aconitifolia* SHREDDED UMBRELLA PLANT Per. PtShade/Shade. 1.5-3' x 1.5-2'. June-July. Zone 4-8.
1249 Ideal plant for a woodland garden. The emerging leaves are spectacular. Germ: CMS 2 months. Zone 8a *Finn*

Syn1350 *Syneilesis x hybrida* Per. Bright shade/Shade. 18-24". Cream flowers in spring. Zone 6b-8b.
0032 Zone 8a *Plant Delights*

Tag1000 *Tagetes* 'Cinnabar' MARIGOLD An. Sun. 3 x 2'. Summer.
0951 Dixter strain. Burnt orange color. Germ: NST Zone 7a *Tracey*

Tal1150 *Talinum calycinum* FAMEFLOWER Per. Sun. 4 x 10-12". Summer-Fall.
0522 Rose pink flowers only open for short time in the afternoon. Lovely rock garden plant. Blooms from May-August. Zones 5-9. Germ: R, then 70°. Zone 8a *Kushner*
1715 Zone 8b *Rosenblum*

Tal1260 *Talinum paniculatum* 'Kingwood Gold' GOLDEN JEWELS OF OPAR An. Sun. 8-10"; to 12" in bloom. Summer-Fall.
0522 Pink/orange. Lovely, bright, fleshy, chartreuse foliage topped by graceful panicles of tiny pink and orange flowers, turning to carmine berries as they mature. Self-sows. Zone 8a *Kushner*
0592 Tiny pink flowers and round red capsules add dainty/airy interest to bouquets. Sparrows ride them down in their eagerness for the seed. Foliage gold of this cultivar never varies. Self-sows prodigiously but edits easily. Pollinators eager too. Zone 6b *Malocsay*
3436 Pink blooms with little reddish brown fruits. Annual that self sows. Germ: W, SS, NST. Zone 7b *Silberstein*

Tan2250 *Tanacetum partbentum* 'Aureum' GOLDEN FEVERFEW Per. Sun. 2 x 1'. Summer. Zone 5-8.
 0592 Why haven't I offered this mainstay before? A serial self-sower in bloom somewhere for much of the year - short-lived perennial proof the microclimate matters, ineffable as it is. My neighbor has an interesting variant - green foliage, petals toothpick-like. Nice but I rogue it out in favor of 'Aureum' whose simple white daisies and foliage radiance are so pleasing outdoors or in bouquets. Tolerates part shade. Germ: NST. Zone 6b *Malocsay*
 0794 Easy, short-lived perennial that self-sows politely in my garden and adds a nice pop of gold. Foliage is aromatic; not browsed by deer or rabbits. Small, white daisy-like flowers. Zone 7a *Rimmer*

Tep1000 *Tephrosia virginiana* GOAT'S RUE Per. Sun. 1-2'. Summer. Zone 3-9.
 1999 Delicate pea-family blooms, typically pale yellow with pink wings, appearing May–August. Its roots contain rotenone and were traditionally used by Native Americans as a fish poison. Prefers full sun and sandy, acidic soils. Germ: Scarify or soak 24 h in warm water before sowing. Zone 8a *Norfolk Botanical staff*

Tet1050 *Tetradium daniellii* KOREAN EVODIA, BEE BEE TREE Tree. Sun. 25-30'x 25-30'. Summer. Zone 4-8.
 3886 A slow-growing handsome tree that can often take ten years or more to flower! However, it is worth the wait to see a completely floriferous specimen tree in bloom in August when many trees are done. A great late summer pollinator host tree, attracting hundreds of different types of bees, especially. Perhaps that is how it got its common name? But more likely the name germinates from the tree's teeny seeds that resemble "bb" pellets since they are small, black, and round. Korea, China. Germ: Soak 24hrs, C 1/4", 1-3 months Zone 6a *Hortus Gardens/Levy*

Tha1550 *Thalictrum aquilegiifolium* 'Ruth Joly' Per. Sun/Part Shade. 3-4'. Zone 4.
 0965 Palest pink blooms. From Issima. The subtle coloration of blooms elevates this late spring flower. Zone 8a *Umpbrey*

Tha2150 *Thalictrum flavum* ssp. *glaucum* YELLOW MEADOW RUE Per. Sun/PtShade. 3-4 x 2'. Early Summer. Zone 5-8.
 0199 Soft yellow flowers above grey-green columbine-like foliage. From Spain and NW Africa. Reportedly fragrant and deer tolerant. Zone 7 *Cresson*

Tha3650 *Thalictrum rochebruneanum* LAVENDER MIST, MEADOW RUE Per. Sun/PtShade. 1-2 x 2'; from 3-7' in bloom. Summer. Zone 4-7.
 0084 Lavender/purple blooms. Set off by blue-green foliage. Summer bloom. Zone 7a *Bowditch*
 0592 Towering yet dainty in foliage and flower. Water and light shade extend bloom life as summers grow hotter. Nectarists value it highly. Birds go for the seed before it is ripe. It now self-sows widely but easy to weed. Interesting in bouquets. Germ: NST. Zone 6b *Malocsay*
 0951 Lavender. Germ: CMS Zone 7a *Tracey*
 2142 Delicate lavender flowers over lacy bluish-green foliage. Excellent for back of border or as a background plant. Zone 7b *Marcucci*
 2497 Light lavender blooms with soft yellow centers. A beautiful, airy perennial with interesting flowers. My plants frequently grow to 5' or taller in part sun. Easy from seed. Zone 8a *Mackey*

The2050 *Thermopsis villosa* SOUTHERN LUPINE, CAROLINA LUPINE Per. Sun/PtShade. 4-7 x 2-4'. Late Spring-Summer.
 2142 Large, yellow, lupine-like flower spikes. Interesting seed pods. Zone 7b *Marcucci*

Thu2010 *Thunbergia alata* BLACK-EYED SUSAN VINE TenPer. Vine. Sun/PtSun. 3-8'. Yellow. Summer. Zone 10-11.
 3269 Zone 7b *Simon*

Tit0050 *Tithonia rotundifolia* MEXICAN SUNFLOWER An. Sun. 4-6 x 1'. Summer-Fall.
 0002 Drought tolerant. Beautiful orange-red flowers mid summer until frost. Germ: Seeds need light to germinate. Germinate inside 6-8 wks before last frost or directly in garden after last frost. Zone 7a *Bowell*
 0592 Possibly my most sought-after bloom for all nectarists, Hummingbirds are fiercely possessive, fighting one another and everyone else. (I only feed the birds by giving them a place to forage). Monarchs sample widely but Tithonia is clearly preferred. By late summer, Tithonia has sized up an enormous free-for-all. Periodic wind storms break it down, a sorry sight and proof it's not a good mixer. The plan for '26 is to plant less and later. The flowers pick well but are too easily injured to pack up for giveaway via public transportation. Germ: SIS, NST. Zone 6b *Malocsay*
 0797 Bright orange flowers. A very tall, showy annual. Zone 6a *Robinson*
 3955 Red-orange flower. Long lasting blooms attracting pollinators. 85-90 days maturity. Germ: NST. Zone 7a *Dubie*

Trachelospermum - Verbena

Tra2500 *Trachelospermum jasminoides* CONFEDERATE JASMINE Vine. Sun/PtSun. Early Summer. Zone 7-8.
0965 Cream blooms. Long blooming, fragrant, evergreen vine to 15 feet. Maybe jasminoides or crossed with it. Great plant, no matter. Zone 8a *Umpbrey*

Tra4000 *Trachycarpus fortunei* CHINESE WINDMILL PALM Per./Tree. Sun/PtShade/Shade. 20+ x 12'. Summer.
3436 White flowers. Hardy to 5 degrees. Easy as a juvenile, well-mulched for winter. Fully hardy in zone 8A. Older trunked plants need heavy protection most winters. Water and fertilize when young. Sun/PS. Epsom salts are beneficial. Germ: W; Max. germination time: 30-60 days; NST. Zone 7b *Silberstein*

Tri0800 *Trichostema dichotomum* FORKED BLUECURLS An. Sun. 1-3'.
3561 Reseeding annual with small but intricate blue flowers atop fragrant foliage. Height dependent on soil water/nutrients. Ex Sullivan Co., TN. Zone 7a *Gorman*

Tri1300 *Tricyrtis dilatata* TOAD LILY Per. PtShade. 3 x 2'. Summer-Fall.
0199 White, spotted purple flower. Although botanists no longer consider this as separate from *T. macropoda*, it is horticulturally distinct in leaf shape and blooms a month earlier in August. Zone 7 *Cresson*

Tri2000 *Tricyrtis formosana* 'Sinonome' TOAD LILY Per. PtShade/Shade. 40". Fall. Zone 5-8.
0590 Fall-blooming white flowers heavily spotted with purple. Long length of bloom. Zone 7a *Mabony*

Tri3100 *Tricyrtis hirta* 'Miyazaki' TOAD LILY Per. PtShade/Shade. 4 x 2'. Late Summer-Fall.
0590 White blooms with burgundy spotting. Great foliage texture. Zone 7a *Mabony*

Tri4010 *Tricyrtis macropoda* TOAD LILY Per. PtShade/Shade. 3 x 3'. Summer-Fall.
0199 White flowers with reddish spots. Masses of flowers in Sept. Parent plant of wild origin in Hubei, China. Very easy and adaptable. Zone 7 *Cresson*

Tro1340 *Trollius europaeus* 'Superbus' GLOBEFLOWER Per. Sun/PtShade. 24 x 18". Early summer. Zone 4-8.
0199 For a moist location. Sulphur yellow flowers above deep green foliage. Zone 7 *Cresson*

Val0100 *Valeriana officinalis* GARDEN HELIOTROPE, GARDEN VALERIAN Per. Sun. 3-5' x 2-4'. Midsummer. Zone 4-7.
1249 Germ: Sow at 70° F to germinate in 2 weeks. Zone 8a *Finn*

Ver2110 *Verbascum phoeniceum* 'Violetta' PURPLE MULLEIN Per. Sun. 2-3'. Zone 6-10.
2621 Likes limey, poor, dry to med soil. Flat dark green rosettes with purple bloom spikes from May to Aug. Will rebloom if dead headed. Reseeds. Attracts pollinators. Germ: Easy. Zone 7a *Nachlas*
9991 Easily grown short lived perennial. Basal rosette lies flat as spikes of showy purple flowers emerge in early summer. Prefers dry, sunny, well drained locations. Native to Central Europe, Central Asia and Western China. Germ: Surface sow, needs light to germinate. NST Zone 7b *Barnes Arboretum*

Ver3100 *Verbena bonariensis* PURPLE VERBENA, BRAZILIAN VERBENA TenPer. Sun/PtShade. 4 x 1/2'. Summer-Fall.
0318 Zone 7a *Garnett*
0590 Purple-magenta flowers. Easy, floriferous. Seeds a bit but wouldn't be without it. Germ: NST. Zone 7a *Mabony*
0592 Heads of lavender blue florets open and drop an endless modicum from late spring on. Its stiffly sketchy angularity makes it a good mixer; rough texture seems to fend off varmints. Highly valued by hummingbirds and every kind of nectarist. Vigorous self-sowing easy to edit as is the plant itself. Great late season butterfly plant. Germ: NST. Zone 6b *Malocsay*
1181 Tender perennial is easy by seed. Loved by butterflies. Purple flowers. Not attractive to deer. Blooms in summer. Germ: NST Zone 7b *Cyphers*
1228 Purple flowers. Cut flower. Butterflies like it. Considered invasive in Deep South. Germ: WMS. Zone 7a *Labash*
1249 My number one go-to nectar plant for butterflies. Also useful as a scrim plant. Plants can be given the "Chelsea Chop" in mid-May to get bushier, shorter-statured specimens. Germ: Germination is erratic- I find winter sowing is best; darkness enhances germination percentages as well. Zone 8a *Finn*
1918 Purple flowers. This short-lived, borderline hardy perennial is easy from seed. Loved by butterflies and sometimes hummingbirds. Rough stems so not bothered by deer. Germ: NST; SIS. Zone 7a *Carey*
2937 Zone 6b *Bittmann*

Ver3200 *Verbena hastata* BLUE VERVAIN Per. Sun. 3 x 2'; to 4' in bloom. Summer. Zone 3-8.
0522 Blue-violet flowers. A good erect plant for the wild garden. Multiple stems. Candelabra-like blooms. 2-6' tall. Does best in moist beds. Zone 8a *Kushner*

3865 Germ: CMS 30-60d. W. SS. Max. germination time 2-4 wks. Zone 7b *Squire*

Ver3430 *Verbena officinalis* 'Bampton' VERVAIN Per. Sun/PtSun. 2x2'. Summer/Fall. Zone 4-8.
0951 Lavender. Germ: CMS Zone 7a *Tracey*
3865 Germ: CMS 8-12 wks. Cycle 2 wks warm, then cold Strat. SS., Max. germination time 2-3 wks. Zone 7b *Squire*

Ver3500 *Verbena stricta* Per. Sun. 3 x 2'. Summer-Fall.
0522 Blue-purple blooms. Splendid drought-tolerant meadow plant. Full sun/pt shade. Purple spikes bloom for weeks. Butterfly magnet. Source: Botany Yards. Zone 8a *Kushner*

Ver4010 *Verbesina alternifolia* WINGSTEM Per. Sun/PtShade. 4-8'x 2-6'. Late Summer-Fall. Zone 4-8.
2517 Yellow flowers, 1-2 inches across. Full sun to light shade. Blooms late summer to early fall for 1 to 1 1/2 months. Not consumed by deer and other herbivores to same extent as many other plants. Zone 7a *Weaver*

Ver5280 *Vernonia acaulis* STEMLESS IRONWEED Per. Sun/PtSun. 36-42". Violet flowers in late summer.
0032 Zone 8a *Plant Delights*

Ver5400 *Vernonia lettermani* 'Iron Butterfly' NARROW-LEAF IRONWEED Per. Sun. 2-4 x 2-3'. Fall. Zone 4-9.
3483 Compact Vernonia. Purple flowers in July and August. Native. Zone 7a *Mrazik*

Ver5480 *Vernonia fasciculata* IRONWEED Per. Sun/PtShade. 3-6 x 2-3'. Mid-Summer.
0199 Reddish purple flowers. Shorter, more compact, and earlier blooming (July) than other ironweeds. Zone 7 *Cresson*

Ver5650 *Vernonia gigantea* UPLAND IRONWEED Per. Sun/PtSun. 5-8' in bloom. Summer-Fall. Zone 5-8.
0269 Rosy purple blooms. Large, erect native can grow to 10'. Cut back stems once or twice in early summer to reduce height and encourage branching and more blooms. Very attractive to butterflies and pollinators. Average to moist soil. Good for meadows and informal gardens. Seed collected in Ohio. Germ: SIS, NST. Plants form clumps and spread where happy. Cut off spent flower clusters to prevent self sowing if necessary. Zone 7b *Ellis*
0951 Purple flowers. Aug-Sept blooming, 6-7' tall. Zone 7a *Tracey*
3483 Rose-purple flowers. One of the largest Vernonias. Native. Zone 7a *Mrazik*

Ver6050 *Vernonia noveboracensis* IRONWEED Per. Sun/PtShade. 4-7 x 2-3'. Summer-Fall. Zone 5-8.
1181 Purple flowers. 4' tall and 3' wide. Low maintenance herbaceous perennial. Tolerates deer and a wide soil range, but prefers moist, rich soils. Germ: NST. Zone 7b *Cyphers*
3865 Germ: CMS 30-60 d. BC. W. Max. germination time 2-4 wks. Zone 7b *Squire*

Vib1650 *Viburnum dilatatum* 'Michael Dodge' LINDEN VIBURNUM Shrub. Sun/PtShade. 8-10 x 8-10'. Late Spring/Early Summer.
0522 Lovely linden viburnum clusters of showy golden yellow berries. Zone 8a *Kushner*

Vib2555 *Viburnum rhytidophyllum* LEATHERLEAF VIBURNUM Evergreen Shrub. Full sun-part shade. 6'-10' tall, 6'-10' wide. White flowers in May-June. Zone 5-8.
3436 Sun or Shade. Broadleaf evergreen. Germ: CMS 60 days; W; Maximum germination time: 30-60 days. Zone 7b *Silberstein*

Vio2950 *Viola odorata* 'Irish Elegance' SWEET VIOLET Per. PtShade. 4-6 x 12". Spring.
0199 Apricot blooms. I bought this lovely violet from a little now defunct mail-order nursery 30 years ago. Prized for its apricot/yellow flowers, it spreads by runners and seed, but not aggressively. Zone 7 *Cresson*

Vit1640 *Vitex agnus-castus* CHASTE TREE Shrub. Sun/PtSun. 8-10'. Summer. Zone 6-9.
1228 Blue flowers. Uses: Medicinal and cut flower. Bees and butterflies love it. Germ: WMS. Zone 7a *Labash*

Vit1850 *Vitex negundo* var. *beterophylla* Shrub. Sun. 10 x 10'. Summer/Fall.
0592 Bloom quieter than V. Agnus-castus but the cut foliage and graceful stance, pruned for openness, have made it an agreeable small tree. Some secondary bloom without deadheading (out of reach anyway). Bees value it highly, bumble/carpenter especially. Zone 6b *Malocsay*

Zea1200 *Zea mays* 'Glass Gem' GLASS GEM CORN An. Sun. Summer.
2937 Tall stalks produce medium-sized ears of multi-colored kernels. Easy to grow and a fun surprise when each ear is un-husked. Zone 6b *Bittmann*

Zephyranthes - Zephyranthes

Zep0500 *Zephyranthes* 'Apricot Queen' RAIN LILY TenBulb. Sun/PtSun. 8". Summer. Zone 7-10b.
0199 Pink w/ yellow throat flowers. Easy bulb for a pot which blooms repeatedly all summer. Overwinter dry dormant in pot indoors. Rainlilies can go for years without repotting, unless you want to share with friends! Zone 7 *Cresson*
0522 Lovely warm apricot blooms. See listing in Pacific Bulb Society's zephyranthes page and Plant Delights' offerings. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 8a *Kushner*

Zep0650 *Zephyranthes* 'Batik' RAIN LILY TenBulb. Full sun. Repeat bloomer.
0522 Apricot bloom with a yellow center. An outstanding rain lily. Good rebloomer. Bred by Indonesian Fadjar Marta. Zone 8a *Kushner*

Zep1200 *Zephyranthes citrina* RAIN LILY TenBulb. Sun/PtSun. 10" in bloom. Late Summer to Fall. Zone 7-10.
0522 Bright golden yellow rain lily. 6-12". Full sun. Late season bloomer. Good container plant. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 8a *Kushner*

Zep2100 *Zephyranthes drummondii* EVENING RAIN LILY TenBulb. Sun. 6 x 4"; to 10" in bloom. White. Summer. Zone 7-10.
0522 San Carlos form. Fragrant, large, pure white flowers. Early bloomer. Source: Yucca Do Nursery. I grow mine in containers. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 8a *Kushner*
1249 Strappy blue-green foliage topped by large, fragrant, pure white flowers. One of the earliest bloomers for me. Delightful in an all-white or moon garden. Germ: NST Zone 8a *Finn*
1999 Soft-pink rain-lily blooms; full sun to light shade, prefers well-drained soil and moisture after rain. Germ: NST Zone 8a *Norfolk Botanical staff*

Zep2250 *Zephyranthes* 'Elizabeth' RAIN LILY TenBulb. Full sun. Zone 7.
0522 Large pink double flower blooms. Zone 8a *Kushner*

Zep2300 *Zephyranthes* 'First Love' RAIN LILY
0522 Small pink flowers. A good bloomer. Source: Eden Blooms. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 8a *Kushner*

Zep2550 *Zephyranthes fosteri* RAIN LILY TenBulb. Sun/PtShade. 6-12". Late Summer-Fall. Zone 7b-10b.
1249 Reliably hardy in my Zone 8A garden. Rich pink blossoms from mid-summer to fall. Germ: NST Zone 8a *Finn*

Zep2580 *Zephyranthes* 'Grandjax' RAIN LILY TenBulb. 8". Full sun to partial shade. Summer. Zone 7b-10b.
0522 Creamy-pink flowers. A cross between Z. 'Ajax' and Z. grandiflora. Vigorous bloomer. Creamy pink flowers with white stars in the center. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 8a *Kushner*

Zep2600 *Zephyranthes grandiflora* RAIN LILY TenBulb. Sun. 6-12". Summer-Fall. Zone 8-11.
0522 Pink flowers. Most floriferous of the Zephyranthes species I grow. Fragrant. Source: Old House Gardens. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 8a *Kushner*

Zep2860 *Zephyranthes* 'Kathryn' RAIN LILY Bulb. 9". Full sun. Summer. Zone 7b-10b.
0522 Medium pink flowers. Heavily flowering rain lily. A cross between 'El Cielo' and 'Big Dude'. Source: Plant Delights Nursery. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 8a *Kushner*

Zep2865 *Zephyranthes* 'King's Ransom' RAIN LILY TenBulb. Full Sun.
0522 Yellow bloom edged in pink. Another beauty. Zone 8a *Kushner*

Zep2870 *Zephyranthes 'Krakatau'* KRAKATAU RAIN LILY Bulb. Sun/PtShade. 6-12 x 6-9". Zone 7b-10b.
0522 Floriferous, bright reddish-orange blooms fade on second day to peachy color. 10" tall spikes with 2" up flowers. Another superb Fadjar Marta introduction. A beauty in a striking color combination. Source: Plant Delights. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 8a *Kushner*

Zep2890 *Zephyranthes La Bufo Rosa Group* GIANT PRAIRIE RAIN LILY TenBulb. Sun/PtShade. 6-10 x 4-6"; from 7-12" in bloom. Summer. Zone 7-10.
0199 White/pink blooms. Discovered in 1990 in Tamaulipas, Mexico by Yucca Do Nursery. Flowers vary from white through shades of pink, repeat blooms all summer. Like most rain lilies, best grown in pots in our climate and overwintered dry indoors. Zone 7 *Cresson*
1249 Great Rain Lily despite its many aliases! Pale pink flowers fade to white. Stunning when planted in large groupings. Germ: NST Zone 8a *Finn*

Zep2950 *Zephyranthes La Bufo Rose Group 'Heart Throb'* GIANT PRAIRIE RAIN LILY TenBulb. Sun/PtShade. 6-10 x 4-6". Summer-Fall. Zone 7-10.
0522 Deep pink blooms with white eye, fading a bit. A show stopper. 2" flowers on 6" stems. Pot plant. Source: Plant Delights. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 8a *Kushner*

Zep2970 *Zephyranthes La Bufo Rosa Group 'Lily Pies'* RAIN LILY TenBulb. Sun/PtShade. 8 x 12". Summer-Fall. Zone 7-9.
0522 Pink-tipped white flowers. Bred at Yucca Do Nursery. Small picotee rain lily with overlapping petals. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 8a *Kushner*

Zep3250 *Zephyranthes macrostiphon* RAIN LILY TenBulb. Sun/PtShade. 6 x 6"; from 7-12" in bloom. Summer.
0199 Nonhardy Mexican species easily grown in a pot. Strap-like green foliage in clumps produces 10" tall stems topped with wide open rich rosy flowers, followed by repeat bloom. A mass of the easy-to-grow *Z. macrosiphon* is an absolute stunner in full bloom. Be sure to keep it moist. Even boggy conditions work great! For winter dry off in pot and put the pot away for winter. Water in spring and enjoy the plant again. Zone 7 *Cresson*
0522 Deep pink blooms, similar to *Zephyranthes grandiflora*, but a bit smaller. Native to Mexico. 2-3", but 14" in flower. Source: HPS Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 8a *Kushner*

Zep3700 *Zephyranthes 'Pacific Sunset'* RAIN LILY TenBulb. Sun/Pt. Shade. 8". Summer.
0522 Coral. A cross between *Z. grandiflora* and *Z. citrina*. Originally bred by Fadjar Marta. Source: Edens Blooms. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 8a *Kushner*

Zep3750 *Zephyranthes 'Pink Beauty'* RAIN LILY TenBulb. Sun/Pt.Shade. 8" Summer.
0522 Strong pink with white centers. New hybrid from India. Source: Edens Blooms. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 8a *Kushner*

Zep3780 *Zephyranthes 'Prairie Sunset'* RAIN LILY Pale peach blooms.
0522 Good bloomer, clumper. Source: Eden Blooms Zone 8a *Kushner*

Zep3900 *Zephyranthes primulina* YELLOW RAIN LILY TenBulb. Sun/PtShade. 6-12 x 3-6". Late Spring-Early Summer. Zone 8a-11.
0522 Yellow blooms fading to pink/peach. Very pretty, large flowered rain lily, upward facing blooms. Source: Wild Ginger Farm. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 8a *Kushner*
1249 Prolific bloomer distinguished by red streaks on the outer petals. Germ: NST Zone 8a *Finn*

Zep3950 *Zephyranthes 'Rainbow Snow'* RAIN LILY Pale pink that turns into white and yellow-white.
0522 Large flowers. Hybrid of *candida*, *grandiflora* and *citrina*. Source: Edens Blooms. Zone 8a *Kushner*

Zephyranthes - Zizia

Zep4310 *Zephyranthes* 'Rose Perfection' RAIN LILY TenBulb. Full sun. 12". Summer Zone 7b-11.
0522 Dark pink flowers. Another beauty bred by Fadjar Marta in Indonesia. Floriferous. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 8a *Kushner*

Zep4450 *Zephyranthes smallii* RAIN LILY TenBulb. Sun. 12". Summer-Fall.
0522 Bright yellow blooms. Medium size 12" tall. Good bloomer. Narrow, grass-like foliage. Source: Edens Blooms. Zone 8a *Kushner*

Zep4500 *Zephyranthes* species RAIN LILY TenBulb. Sun. 6 x 6". Late Summer-Fall.
0522-A Cannot identify these zephyranthes. Source: Eden Blooms. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 8a *Kushner*

Zep4550 *Zephyranthes* 'Star Spangled' STAR SPANGLED RAIN LILY TenBulb. Sun. 8". Summer. Zone 7b-10b.
0522 Bicolored flowers with white in the center and pink on tips. Blooms on and off through the summer. A Labuffarosea YuccaDo hybrid. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 8a *Kushner*

Zep4600 *Zephyranthes* Sunset Strain RAIN LILY TenBulb. 10". Summer-Fall. Repeat Bloomer.
0522 Prolific, pale apricot blooms. Blooms more often than other varieties. Source: Yucca Do. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 8a *Kushner*
1249 Comes true from seed. Blooms summer through fall. Hardy in my Zone 8A garden. Peach tones infused with yellow. Zone 8a *Finn*

Zin2010 *Zinnia peruviana* An. Sun. 1-3'. Summer-Fall.
0592 The red flowers transition through shades hard to name till it ripens tan. Alone in a vase, in water kept clean, it did all that and made this humble species my favorite zinnia. The plant itself is leggy - needs support or easing over sideways to turn up nicely blooming without stint till frost. Like *Z. haageana*, it has self sown for two years now. Zone 6b *Malocsay*
2502 A great pollinator - My Monarchs love it. It is leggy and needs support and the flower color transitions from red to tan. Blooms all summer. Reseeds reliably. Germ: Successfully winter sown. Zone 7b *Huis*
9991 Golden Yellow Form. Sun loving, old garden annual dating back to the 18th century. Great cut or dried flower. Germ: Sow 1/4 deep or direct sow. NST. Zone 7b *Barnes Arboretum*

Ziz2150 *Zizia aurea* GOLDEN ALEXANDERS Per. Sun. 2-2 1/2'. Spring-Early Summer. Zone 3-8.
0627 Pretty yellow flower and attractive cut foliage. self-sows; sow seeds in late fall to early spring Zone 7a *McShane*
1249 Black Swallowtail (Papilio polyxenes) host plant. Flowers work well in fresh arrangements. Germ: Best planted in autumn in situ, or winter-sown. Zone 8a *Finn*

Synonyms

Reference list of retired plant name to current plant ID and name

<i>Aloe univittata</i>		<i>Eupatorium purpureum</i>
Aga6300 <i>Agave univittata</i>		Eut0550 <i>Eutrochium purpureum</i>
<i>Alophia euryandra</i>		<i>Evodia daniellii</i>
Enn1000 <i>Ennealophus euryandrus</i>		Tet1050 <i>Tetradium daniellii</i>
<i>Amsonia tomentosa</i>		<i>Hibiscus palustris</i>
Ams0020 <i>Amsonia eastwoodiana</i>		Hib2000 <i>Hibiscus moscheutos</i>
<i>Aster divaricatus</i>		<i>Kosteletzkyia virginica</i>
Eur0100 <i>Eurybia divaricata</i>		Kos1250 <i>Kosteletzkyia pentacarpos</i>
<i>Aster novae-angliae</i>		<i>Mina lobata</i>
Sym0610 <i>Sympyotrichum novae-angliae</i>		Ipo2350 <i>Ipomoea lobata</i>
<i>Belamcanda chinensis</i> 'Hello Yellow'		<i>Panicum palmifolium</i>
Iri1060 <i>Iris domestica</i> 'Hello Yellow'		Set2000 <i>Setaria palmifolia</i>
<i>Campanula glauca</i>		<i>Pardanthopsis dichotoma</i>
Pla2000 <i>Platycodon grandiflorus</i>		Iri1000 <i>Iris dichotoma</i>
<i>Cassia fasciculata</i>		<i>Phlomoides tuberosa</i>
Cha0640 <i>Chamaecrista fasciculata</i>		Phl0200 <i>Phlomis tuberosa</i>
<i>Cassia marilandica</i>		<i>Polygonum virginiana</i> 'Painter's Palette'
Sen2010 <i>Senna marilandica</i>		Per3250 <i>Persicaria virginiana</i> 'Painter's Palette'
<i>Cephalaria tartarica</i>		<i>Poncirus trifoliata</i> 'Flying Dragon'
Cep1250 <i>Cephalaria gigantea</i>		Cit1150 <i>Citrus trifoliata</i> 'Flying Dragon'
<i>Cimicifuga rubifolia</i>		<i>Psoralea psoraloides</i>
Act0800 <i>Actaea cordifolia</i>		Orb1000 <i>Orbexilum pedunculatum</i> var. <i>psoraloides</i>
<i>Cimicifuga simplex</i> (Atropurpurea Group) 'Brunette'		<i>Rosa moyesii</i> 'Geranium'
Act3100 <i>Actaea simplex Atropurpurea Group</i> 'Brunette'		Ros3250 <i>Rosa</i> 'Geranium' (moyesii hybrid)
<i>Consolida ambigua</i>		<i>Scabiosa gigantea</i>
Con1050 <i>Consolida ajacis</i>		Cep1250 <i>Cephalaria gigantea</i>
<i>Consolida ambigua</i>		<i>Scilla autumnalis</i>
Con1100 <i>Consolida ajacis</i> (blue)		Pro2000 <i>Prospero autumnale</i>
<i>Cornus angustata</i>		<i>Senecio aureus</i>
Cor2700 <i>Cornus elliptica</i>		Pac3000 <i>Packera aurea</i>
<i>Cornus kousa</i> var. <i>angustata</i>		<i>Silene flos-cuculi</i>
Cor2700 <i>Cornus elliptica</i>		Lyc3300 <i>Lychnis flos-cuculi</i>
<i>Disporum flavens</i>		<i>Spilanthes oleracea</i>
Dis6650 <i>Disporum uniflorum</i>		Acm0050 <i>Acmella oleracea</i>
<i>Dolichos lablab</i>		<i>Stacy's officials</i>
Lab1050 <i>Lablab purpureus</i>		Bet0150 <i>Betonica officinalis</i>
<i>Emilia javanica</i>		<i>Thermopsis caroliniana</i>
Emi2000 <i>Emilia coccinea</i>		The2050 <i>Thermopsis villosa</i>
<i>Eupatorium coelestinum</i>		<i>Tweedia caerulea</i>
Con0700 <i>Conoclinium coelestinum</i>		Oxy0200 <i>Oxypetalum coeruleum</i>
<i>Eupatorium maculatum</i>		
Eut0500 <i>Eutrochium maculatum</i>		

HPS/MAG Seed Exchange Order Form 2025–2026

PLACING YOUR SEED ORDER

Only HPS/MAG members may order. If you are not a member, please join. When ordering, you must list the Plant Code and Botanical Name of each plant in alphanumeric order. List the Donor Code only if you want seed provided by a specific donor. If the supply of that donor's seed is gone, we will send seed of the same plant but from an alternate donor, if available. If all that particular seed is gone, we will provide an alternate from your Alternate Choices List. Seed packets will indicate the Plant Code, Donor Code, and Name. Retain the Catalog for additional information about your seed.

Payment required is \$25 for 11–25 seed packets or \$10 for 10 or less seed packets if posted online or mailed. **The postmarked deadline is January 17 and the online seed catalog closes on January 22.** Orders from outside of the U.S. will have to pay for shipping, in addition to the \$25, and have a phytosanitary certificate.

Submit your order as early as possible to enhance the likelihood of receiving all your first choices. Orders posted or postmarked after the deadline(s) will not be filled and the check will be returned.

Dual members of a single household may each place

Name	_____
Street Address	_____
City, State, Zip	_____
Email	_____

an order; each order requires the \$25 or \$10 regular fee and only one is entitled to the donor/volunteer bonus, if applicable.

Each member may order any number of packets up to 25 packets of seed, limited to one packet of any particular seed/donor combination. Only one seed packet of a genus-species combination is allowed. Members who donated five or more types of seed to this year's Exchange, as well as this year's Seed Exchange volunteers, may order 10 bonus packets.

Seed orders will be filled in the order received; requests from donors and volunteers will be honored first. Supplies of some seed are very limited, so read through the list, make your choices, and complete your order today.

ONLINE hardyplantseedshop.org
BY MAIL Mary Ann Thomas
8600 Elliston Drive
Wyndmoor, PA 19038
ma.weeder@gmail.com
215-233-3071

Please submit your order online at

hardyplantseedshop.org. If you prefer, you can still fill in this form manually and mail it with your payment. All checks should be made payable to HPS/MAG, and sent to Mary Ann Thomas, 8600 Elliston Drive, Wyndmoor, PA, 19038.

FIRST CHOICES LIST: Identify in alphanumeric order. <i>Please</i> print neatly!			DONOR/VOLUNTEER BONUS SEEDS: Continue listing in alphanumeric order <i>only</i> if you are a donor or volunteer.			
	PLANT CODE	BOTANICAL NAME	DONOR CODE	PLANT CODE	BOTANICAL NAME	DONOR CODE
	Xxx0000	Genus and specific epithet 'Cultivar if available'	0000	26		
1				27		
2				28		
3				29		
4				30		
5				31		
6				32		
7				33		
8				34		
9				35		
10				ALTERNATE CHOICES LIST: Identify in order of preference.		
11				1		
12				2		
13				3		
14				4		
15				5		
16				6		
17				7		
18				8		
19				9		
20				10		
21				11		
22				12		
23				13		
24				14		
25				15		

Susan Doblmaier
225 Drake Lane
North Wales, PA 19454

FIRST CLASS



MID-ATLANTIC GROUP 2022-2026 Seed Exchange Catalog

Be sure to keep this Seed List!
Seed packets will be labeled
with plant names and basic data,
but this list contains additional
information about your seeds.