



MID-ATLANTIC GROUP

2020–2021 Seed Exchange Catalog

The 27th annual edition of the Seed Exchange Catalog includes 916 seed donations contributed by 51 gardeners, from beginners to professionals. Approximately 90 new plants were donated for the first time. As you can see, this seed program includes new plants not previously offered as well as old favorites. We realize how important this Seed Exchange is to HPS and to our members and that is why we decided to continue the tradition during the pandemic.

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 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. If a donor reported their zone, you will find it in parenthesis. Our sincere thanks to our donors—they make this Seed Exchange possible.

Bartlett, John 45 (6b)	Mahony, Peter 590 (7a)
Bartram's Garden/ Katie Jacoby 9975	Malarek, David 2608
Berger, Clara 65	Malocsay, Jan-Paul 592 (6)
Bittmann, Frank 2937 (6a)	McGowan, Brian 3666 (5)
Bowditch, Margaret 84 (6b)	McShane, Nadeen 627
Boylan, Rebecca 2137 (6b)	Mills, Michael 2504
Cresson, Charles 199 (7)	Nachlas, Sally 2621 (6)
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Cyphers, Barry 1181	Perron, William 3321 (6)
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Gorman, Joe 3561	Roskoph, Zane 3645 (7a)
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Jellinek, Susan 1607 (7a)	Stonecrop Gardens/ Burgess 118 (5a)
Jenkins Arboretum/ Helen Standen 9985 (7a)	Streeter, Mary Ann 926
Kolo, Fred 507 (7)	Tracey, Katherine 951
Krape, Deborah 2289 (7)	Umphrey, Catherine 965 (7a)
Kushner, Annette 522	Urffer, Betsy 1939 (6b)
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Maher, Carole 3176 (7a)	

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 *New!*

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)



In Memoriam

The Seed Exchange Committee warmly remembers Loretta DeMarco, former seed exchange chairperson, donation receiver, instructor, advisor, and friend. Loretta was a tireless advocate for the seed exchange who freely donated her time and talents to ensure its success. She was a life-long learner who delighted in sharing her new discoveries as well as her long-held knowledge. Her annual seed-starting classes kicked off the gardening year for many of us, and were enjoyed by experts and beginners alike. Loretta was a reliable and enthusiastic presence at our volunteer seed-cleaning workshops. She is, and will continue to be, deeply missed in our community.

- Abe0010** *Abelmoschus esculentus* 'Burgundy' OKRA An. Sun. 4-6 x 2'. Summer.
 1020 Pale yellow flowers from 19-20 Seed Exchange. Start indoors or direct sow 2-4 weeks after last frost. Germ: CMS 2-12 days; Scfy; Soak; BC; BH Zone 7 *Wiedorn*
 2515 Yellow flowers with a deeper red center than *A. manihot*. Finished blooming for me by August. Developed Okra-like seed pods that are edible - I used them as ornamentals in containers because the pods and stems of the plant are a deep red. Zone 6 *Doblmaier*
- Abe0050** *Abelmoschus manihot* ORNAMENTAL OKRA, SUNSET HIBISCUS An. Sun. 6+ x 3'. Summer-Fall.
 0199 Pale yellow with maroon centers. Evenly moist soil, likes heat. Self-sows. Blooms with asters. Zone 7 *Cresson*
 2515 Pale yellow bloom, with a maroon eye. Nice looking plant with yellow flowers. Really beautiful this year in late August through September. Interesting seed heads and leaves on this easy to grow annual. Germ: NST. Zone 6 *Doblmaier*
- Abe2000** *Abelmoschus sagittifolius* ARROWLEAF ABLEMOSCHUS Annual. 6'. Full sun-partial shade. Summer.
 1999 watermelon-pink, hibiscus-like blossoms with creamy white centers and Yellow anthers. Native to tropical Africa, Asia and northern Australia, this showy, long-blooming perennial (hardy in Zones 8A to 11) has hairy, sagittate (arrowhead-like) leaves and watermelon-pink, hibiscus-like flowers with creamy white centers and yellow anthers. Although individual flowers last only a day, the plant is always covered in blossoms from May to frost. Bees and butterflies prize its pollen and nectar, and caudiciform plant enthusiasts often raise the "fat" tuberous root to great effect. Prefers full to part sun and average to moist soil. Worth growing as an annual in colder climes. Germ: Soak seed in hot (not boiling) water for 24 hours then sow at 70 °F. Expect germination in three to four weeks. A heating mat will speed things up. Zone 8a *Norfolk Botanical staff*
- 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 6 *Malocsay*
- Act0800** *Actaea cordifolia* KEARNEY'S BUGBANE Per. PtShade/Shade. 4-6½'. Summer.
 0032 *Plant Delights*
- Act0900** *Actaea racemosa* BLACK COHOSH, BUGBANE, FAIRY CANDLE, BLACK SNAKEROOT Per. PtShade. 7 x 2'. Summer.
 0926 White flowers borne in wands in July above handsome foliage. Germ: Cycle: WMS 3mo, CMS 3mo. *Streeter*
- Act3100** *Actaea simplex Atropurpurea Group* 'Brunette' BUGBANE Per. PtShade. 4 x 2'. Fall.
 0797 White flowers. *Robinson*
 3321 White blooms. Autumn flowering, very dark foliage. Germ: Cycle: warm (70°) for 3 mo, then 3 mo cold (40°). Zone 6 *Perron*
- Act0050** *Aethionema grandiflorum* PERSIAN CANDYTUFT Per. Sun. 1 x 1'. Spring-Summer.
 0199 Somewhat blue-green foliage. Related to ~Iberis~, but pink. Great between rocks in dry sunny places with good drainage. Self-sows, but in a friendly manner. Zone 7 *Cresson*
- Aga1500** *Agapanthus* 'Navy Blue' NAVY BLUE LILY-OF-THE-NILE Per. 32". Full sun-partial shade. Summer. Zone 6a-10b.
 0199 Dark blue flowers. This has proven hardy in field perennial trials in Michigan. July-August bloom with an intense color. Zone 7 *Cresson*
- Aga2600** *Agastache foeniculum* ANISE HYSSOP Per. Sun. 3-5 x 1-2'. Summer.
 1228 Uses: medicinal, culinary, edible flower. Bees love it. Germ: Needs warm soil. *Labash*
 1999 Lavender flowers. Long-blooming, fragrant perennial grows 2 to 4 feet tall in full to part sun and attracts bees, butterflies and hummingbirds to the garden. Leaves are used in teas and potpourri. Makes an excellent cut flower and is deer-resistant. Germ: CMS for 30 days then surface sow at 70° for germination in two to three weeks. L. SS. W. Zone 8a *Norfolk Botanical staff*
- Aga2650** *Agastache foeniculum* 'Golden Jubilee' ANISE HYSSOP Per. Sun. 3-5 x 1-2'. Summer-Fall.
 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 7 *Creveling*
 1228 Uses: medicinal, culinary. Bees love it. Germ: Needs warm soil. *Labash*

Agastache - Alophia

- 1999 Lavender flowers. 2003 All American Selection Flower Winner. Grown from seed obtained in the 2018 HPS exchange. Pollinator magnet, visited by butterflies and hummingbirds. Germ: Soak for 24 hours in warm water then sow at 70F for germination in 14 to 21 days. BC. W. Zone 8a *Norfolk Botanical staff*
- Aga3700** *Agastache rupestris* SUNSET HYSSOP, LICORICE MINT Per./Subshrub. Sun. 3 x 3'. Summer-Fall.
0965 Zone 7a *Umpbrey*
- Age0700** *Ageratna altissima* WHITE SNAKEROOT Per. Sun/PtShade. 60 x 6". Midsummer-Fall. Zone 6.
3397 White flowers. Masses of small white flowers in mid-late Oct. Compact form, usually 2-3ft high, older plants 4ft. Readily self-sows. Germ: SIS. Zone 6b *Egbertson*
3645 White flowers. Zone 7a *Roskoph*
- Agr2000** *Agriponia gryposepala* Per. Sun/PtShade. 5 x 1'. Summer.
0239 Great yellow color accent for woodland. Yellow flowers are "fireworks"-like! Germ: BH; BC; NST; 2 wk. May reseed a little in garden. Zone 6 *Doering*
- Alc0050** *Alcea rosea* (all colors) HOLLYHOCK Bien./Per. Sun. 2 x 2'; from 6-8' in bloom. Summer.
0200 Rose, pink, white blooms in singles and doubles to 6-8'. Germ: NST. Zone 7 *Creveling*
- Alc1900** *Alcea rosea* (pink, single) HOLLYHOCK Bien. Sun. 2 x 2'; from 6-8' in bloom. Summer.
0797 Rose pink flowers with a dark eye. A vigorous hollyhock. Germ: NST; L; W. *Robinson*
- All4050** *Allium cernuum* NODDING ONION Per. Sun/PtShade. 6-10 x 6"; from 1-1½' in bloom. Summer.
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. *Scofield*
- All6100** *Allium 'Millennium'* ORNAMENTAL ONION Bulb. Sun/PtShade. 1½ x 1½'. Summer.
2504 Handball-size lavender clusters on 15-inch stems in mid-late summer, after most alliums are long over. Forms clump. (Name is as marketed, i.e., misspelled. *Allium 'Milennium'*) Germ: Said to self-sow, implying no special treatment. *Mills, M*
- All6750** *Allium schoenoprasum* CHIVES Per. Sun. 12-18 x 18". Summer.
1585 Lilac to mauve blooms. 12"-20" depending on soil and weather. Great pollinator plant. Blossoms and leaves are delicious in salads. Germ: NST; SIS. *Scofield*
- All7800** *Allium stellatum* PINK PRAIRIE ONION PerBulb. Sun/PtShade. 12 x 6". Summer-Fall.
2515 Light purple flowers in mid-summer. Zone 6 *Doblmaier*
- All8170** *Allium togasbi* FLOWERING ONION Perennial. Sun/Pt. Shade. 6" tall. Late Summer.
0199 Pink flowers. Cute little clumping perennial for rock garden with good drainage. Seems easy and comfortable with our summers. Zone 7 *Cresson*
- All8200** *Allium triocum* 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.
1228 Uses: Cut flower, culinary, dried, edible flower. Germ: Pre-soak seed. *Labash*
- All8400** *Allium victorialis* ALPINE LEEK Bulb. PtShade. 6 x 12"; to 12" in bloom. Spring.
0199 Greenish white flowers. Wide leaves make this onion especially interesting. European native. Summer dormant. Zone 7 *Cresson*
- Alo0500** *Aloe branddraatensis* ALOE TenPer. Sun. 4-6" x 12-18". Midwinter. Zone 9b-11.
1999 Red-orange blooms. Zone 8a *Norfolk Botanical staff*
- Alo1500** *Alophia drummondii* PROPELLER FLOWER; PINEWOODS LILY; PURPLE PLEAT-LEAF; PINE LILY; PRAIRIE IRIS; PLEATLEAF IRIS Per. PtShade. 15". Summer-Fall. Zone 7-9.
3645 Purple blooms. Will germinate after one stratification period, but reportedly has higher germination in the second year. Germ: CMS. Cycle: Cold, warm, cold. Zone 7a *Roskoph*

- 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*
 0592 Muted red/green combination. Quiet beauty for close-up appreciation in place or picked. Hardy for me in Pittsburgh well mulched, out of wind's way. Survives root competition from tree-size pussy willow. Seeds far-fling by exploding pods. Bagging is awkward so I watch for withered pod stalks and confine to a can covered with screen wire. Seeds hitting metal can be heard in the next room. Germ: NST Zone 6 *Malocsay*
- Aly1400** *Alyssum montanum* 'Tekara' CREEPING BASKET OF GOLD Per. Full sun. 6"-12". April. Zone 4-9.
 0199 Yellow flowers. Spreading perennial with grey foliage and bright yellow flowers in April, Rock garden with good drainage is ideal. 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. *Robinson*
- 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 7 *Creveling*
- Amo3255** *Amorpha canescens* *Arkansas form*
 0032 Source: Pine Ridge Gardens *Plant Delights*
- Amo3280** *Amorpha confusa* *Green Swamp form*
 0032 Source: Bill Hoffmann NCSU *Plant Delights*
- Amo3300** *Amorpha fruticosa* FALSE INDIGO Perennial Shrub. Full Sun. Spring. 4'-12' tall. Zone 4-9.
 1999 Fragrant spikes of dark purple blossoms with striking orange anthers. Larval Host plant for the Silver-spotted Skipper, Epargyreus clarus, and Gray Hairstreak, Strymon melinus. Deer and drought resistant shrub provides nectar for bees, butterflies, moths and beetles. Good for erosion control. Germ: To scarify, soak in hot tap water, let stand in water for 24 hours, repeat process on seed that did not imbibe. CMS for 2 weeks, then sow at 70F; 1 to 3 months germination time; W. Zone 8a *Norfolk Botanical staff*
- Amo3350** *Amorpha herbacea* *Pondberry Bay Preserve form*
 0032 Source: Bill Hoffmann NCSU *Plant Delights*
- Amo3500** *Amorpha schwerinii*
 0032 Source: Bill Hoffmann NCSU. ex Uwharrie Nat'l Forest *Plant Delights*
- Ams0050** *Amsonia hubrichtii* BLUE STAR, ARKANSAS AMSONIA Per. Sun/PtShade. 3 x 3-4'. Spring.
 2289 Small, bluish-white flowers - negligible really. Native plant, grow for ferny 2-3' foliage that gold in the fall; good cover for Narcissus foliage. Zone 7 *Krape*
 2515 Blue-purple flowers. Wonderful threadlike foliage turns bronze-yellow in fall. Native. This seed is from a plant from Perennial Pleasures Nursery in VT. It has more purple in the flowers. I placed the plant in a wetter area and it has consistently grown to at least 5' tall (if not taller) for the last 2 years. Zone 6 *Doblmaier*
- Ams0300** *Amsonia jonesii* JONES BLUESTAR Per. Sun. 6-12". Spring. Zone 4.
 2515 Shorter amsonia that enjoys the same conditions as ~A. hubrichtii~. Paler blue flowers. Zone 6 *Doblmaier*
- Ams2050** *Amsonia tabernaemontana* BLUE STAR Sun/PtShade. 2 x 1½'. Spring/Summer.
 1228 Cut flowers. Bees love it. Germ: Moisten seed and soil for 4 weeks. *Labash*
- Ams2080** *Amsonia tabernaemontana* var. *salicifolia* BLUE STAR Sun/PtShade. 2 x 1½'. Spring/Summer.
 0269 Pale blue flowers. This native 3-4' perennial bears pale blue star-shaped flowers in spring. Leaves are wider and more willow-like than the species. Fall color is golden yellow. Easy, tough, and drought tolerant. Self sows. Germ: L. OW. Zone 7 *Ellis*
- Ana0200** *Anacyclus pyrethrum* var. *depressus* Per. Sun. 4 x 12"; to 5' in bloom. Summer.
 0592 White with pink reverse. My one feathery gray/green rosette has persisted for years. No success SIS so this year (again) I'll try under lights. Delightful - must have sharp drainage, winter wet the killer. Zone 6 *Malocsay*

Anemone - Aquilegia

- Ane1350** *Anemone x hybrida* 'September Charm' Per. Sun/PtShade. 2-4 x 2-3'. Late Summer/Fall. Zone 4-8.
1939 Light rose pink flowers that are darker on the back side. 2-3'. Germ: BH. Scfy. Zone 6b *Urffer*
- Ane6500** *Anemone virginiana* Per. Sun/PtShade. 2 x 1'; to 30" in bloom. Late Spring.
3321 White and green blooms. Spreads well in good conditions. Germ: CMS: 60 d, R, SS. 60 d. Zone 6 *Perron*
- Ang1050** *Angelica gigas* KOREAN ANGELICA Bien./Per. PtShade/Shade. 6-8 x 2-3'. Summer.
0118 Maroon blooms. Biennial to 5'. This terrific Barry Yinger introduction from Korea and Japan is a stunner. Dramatic, deep maroon, spherical flowerheads 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. Sun/partial shade. Germ: CMS: 50 d, Cycle: keep pan at 25-39° for 6-8 wk, the 60° until germination, C, OW, BC. Zone 5a *Stonecrop Gardens*
0951 Maroon flowers. *Tracey*
0965 Dark red/burgundy blooms. A valuable biennial for dramatic late summer color. Grows 3' tall and takes full sun or part shade. Zone 7a *Umpbrey*
- Ang1900** *Angelica japonica*
0032 Source: Ozzie Johnson *Plant Delights*
- Ang3010** *Angelica polymorpha* Per. Sun/PtShade. 3-4 x 1-3'. Summer. Zone 5.
0118 White blooms. Exquisite, airy umbels of white flowers and attractive lobed leaves. The flowering umbels look like a perfect firework display. A choice plant. Perennial to 6'. Germ: WMS: 21 d; Cycle: Follow with cold period for 35 d. Once seed has germinated, keep pans cool (41-54°). BC. Zone 5a *Stonecrop Gardens*
- Ang3049** *Angelica sylvestris* 'Vicar's Mead' PURPLE HOLY GHOST Bien. PtShade. 6'. Late Summer/Early Fall. Zone 4-8.
0522 Pink blooms. This biennial provides a dramatic presence in the garden. Back of the border at 6'. Dark, dusty purple foliage and stems. *Kushner*
- Ant0050** *Anthemits 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 6 *Malocsay*
- Ant0100** *Anthemits* 'Cally Cream' OXEYE DAISY Per. 2'-2-1/2'. Full sun. Summer. Zone 3-10.
0065 White flowers. Germ: OW. *Berger*
- Ant2000** *Anthericum ramosum* Per. Sun. 2-3'. Summer.
0199 Numerous miniature, white lily flowers along wiry branched stems in early summer above narrow strappy foliage. Develops into a nice clump. Native E. Europe to Turkey in rocky grassy semi-arid slopes. Easy and not fussy in average soil. Zone 7 *Cresson*
- 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 7a *Umpbrey*
- Ant4020** *Antirrhinum hispanicum* SPANISH SNAPDRAGON Per. Sun. 1 x 1-2'. Spring and Fall. Zone 5a-8b.
0199 Semi-hardy perennial or annual with mounds of fuzzy gray foliage about a 1 x 1'. Pink flowers with a yellow lip all summer. Sun and good drainage, preferably a loose gritty soil, but adaptable. Remarkably hardy and self sows. Zone 7 *Cresson*
- Aqu1150** *Aquilegia atrata* COLUMBINE Per. Sun/PtShade. 3 x 1'. Spring.
3666 Black/Violet. 2' x 2'. Zone 5 *McGowan*
- Aqu1270** *Aquilegia* 'Blue and White' COLUMBINE Per. Sun/PtShade. 1½-2 x 1-1½'. Spring.
0522 Blue and white flowers on a tall, long-blooming columbine notable for its sticky stems. *Kushner*

- Aqu1350** *Aquilegia canadensis* AKALY, CANADIAN COLUMBINE, CLUCKIES, JACK-IN-TROUSERS, MEETING HOUSES, ROCK BELLS, TURK'S CAP Per. Sun/PtShade. 3 x 1'. Spring-Summer.
0084 Salmon and yellow flowers in Spring. Reliable native plant for shade. Zone 6b *Bowditch*
2497 Red and yellow bell-like flowers. A light airy plant that flowers well in shady woodland settings. Attracts hummingbirds. East coast native. Zone 7b *Mackey*
- Aqu1445** *Aquilegia canadensis* 'Nana' COLUMBINE Per. Sun/PtShade. Spring-Summer.
0269 Red and yellow blooms. This dwarf form of Eastern red columbine ranges from 8-10" or 12" tall. Plants self sow and come true from seed. My plants may have crossed with the species and 'Little Lanterns'. Rogue out any full-size plants that appear. Full sun to light shade. Germ: OW, SS, SIS, NST. Zone 7 *Ellis*
- Aqu2500** *Aquilegia flabellata* 'Nana Alba' Sun/PtShade. 8 x 8". Summer.
0507 Milky white flowers. Good glaucous, blue-green foliage. Self-sows moderately and comes true. Germ: CMS. Zone 7 *Kolo*
- Aqu4000** *Aquilegia* species (individual colors) COLUMBINE Per. Sun/PtShade. 2 x 1'. Spring.
0084 Larger, yellow flowers. Height is about 1.5 feet tall. Zone 6b *Bowditch*
0318 Blue and white flowers to 2' tall. Will self-sow. *Garnett*
1277 Blue blooms Zone 6a *Haas*
- Aqu5000** *Aquilegia vulgaris* EUROPEAN COLUMBINE Per. Sun/PtShade. 2 x 1½'. Spring-Summer.
3666 White. 2' x 2'. Tall vigorous. Zone 5 *McGowan*
- 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. 12 x 12"; to 2' in bloom. Late Spring-Early Summer.
0199 Pink flowers. I think this is a particularly attractive shade of old rose pink. Zone 7 *Cresson*
3666 Rose/pink. 2' x 2'. Tall vigorous. Zone 5 *McGowan*
- Aqu5940** *Aquilegia vulgaris* var. *stellata* 'Black Barlow' COLUMBINE Per. Sun/PtShade. 15 x 12; to 30" in bloom. Late Spring-Early Summer.
1999 Dark maroon, almost black flowers. Elegant, heirloom perennial originated in the garden of Nora Barlow, a granddaughter of Charles Darwin. Double, spurless, dark-as-night blossoms hold up well in a vase. Grows 18 inches tall, prefers part sun and moist soil. Deer-resistant. Germ: CMS 30 days, then surface sow at 70°F to germinate in 21 to 30 days. L. SS. Zone 8a *Norfolk Botanical staff*
- Arg0500** *Argemone albiflora* var. *albiflora* Coker House form
0032 Source: Ernest (Chip) Helms *Plant Delights*
- 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*
- 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*
- Ari0500** *Arisaema consanguineum* COBRA LILY Per. PtShade. 2-3' x 1'. Spring
2504 Green or maroon-white striped spathe with long tail. Two radial leaves (like umbrella spokes). Germ: SR. Have had success with fall surface sowing in situ. *Mills, M*
3321 Flowers are green and purple stripes with purple blush. Germ: 7 day soak in warm water. BC. Maximum germination time 30-90 days. W. SR. Zone 6 *Perron*

Arisaema - Asclepias

- Ari0600** *Arisaema dracontium* GREEN DRAGON, AMERICAN WAKE-ROBIN, DEVIL'S PULPIT Per. Pt/Full Shade. 1-3' x 1-1½'. Spring. Zone 4-9.
2504 Native American jack-in-the-pulpit. Green blooms with thin spadix. Produces offset corms. Germ: SR. Have had success with fall surface sowing in situ. *Mills, M*
- Ari2010** *Arisaema flavum* Per. PtShade. 18". Summer.
3321 Pale yellow flowers. Cute, smaller Arisaema, good for rock gardens. Germ: Soak for 7 days; SS; W; SR; Best in moist well drained compost dressed with grit in sealed container with clear top. Zone 6 *Perron*
- Ari2500** *Arisaema heterophyllum* COBRA LILY Per. PtShade. 2-3½ x 1'. Spring.
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. *Mills, M*
3321 Green/pale yellow blooms. Grows to 3' tall with large horseshoe leaf and spadix with 1' long tongue. Germ: Soak: 7 d; W. Zone 6 *Perron*
- Ari3050** *Arisaema ringens* Per. PtShade/Shade. 2 x 4'.
0199 A remarkable Japanese cobra-lily with closed hooded flowers, in early spring. Zone 7 *Cresson*
2504 Maroon/green hooded spathe. Gets very large. Germ: Have had success sowing in fall in situ or in flat left out for winter. *Mills, M*
- Ari4010** *Arisaema sikokianum* Per. PtShade/Shade. 1½-2½'. Spring.
2504 Green/maroon with prominent white knob spadix. Germ: Have had success sowing in fall in situ or in flat left out for winter. *Mills, M*
- Ari4030** *Arisaema thunbergii ssp. urashima* COBRA LILY Per. PtShade/Shade. 1½-2' x 1'. Spring. Zone 5-9.
2504 Dark maroon spathe; astonishing spadix: up 18" thread. Goes dormant early; produces offset corms. Germ: SR. Have had success with fall surface sowing in situ. *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 Tiny fringed pipes yield intricate baskets of seed. White-veined leaves have an interesting odor. Tuber makes for quick response to cutback. Easily managed small vine. Germ: Quick and easy from seed. Self sows in Pittsburgh. Zone 6 *Malocsay*
- Ari7500** *Aristolochia macrophylla* DUTCHMAN'S PIPE Vine. 15'-30' x 15'-20'. Full sun-partial shade. Late Spring. Zone 4-8.
3561 Large heart-leaved twining deciduous vine. Primary host plant of the pipeline swallowtail Germ: CMS: 60 days. *Gorman*
- Aro1000** *Aronia arbutifolia* RED CHOKEBERRY
1999 White flowers followed by bright red fruit. Fine shrub native to the eastern seaboard of North America, its intense red fall foliage makes it a perfect substitute for the invasive, exotic *Euonymus alata* (burning bush). Hardy in Zones 4-9. Good for erosion control. Germ: CMS: 90 d. Soak in hot water for 24 hours then give 90 d cold/moist stratification. 110 d. Zone 8a *Norfolk Botanical staff*
- Art2650** *Artemisia lactiflora* WHITE MUGWORT Per. Sun. 4-5'. Late Summer/Early Fall. Zone 3-8.
0199 In August, the white, plummy flowers are most welcome. Finely cut foliage is green. Zone 7 *Cresson*
- Aru2000** *Arum italicum* LORDS AND LADIES PerBulb. PtShade/Shade. 12-16½ x 6". Spring. Zone 5-9.
3321 Yellow-green/white blooms with variegated leaves fall to spring, dormant in summer, and stalk of red berries late-summer. Germ: Soak: 48 d, Cycle: 3 mo at 70 , followed for 3 mo at 40 , then repeat. W, D, SR, 90 Zone 6 *Perron*
- Aru3500** *Aruncus dioicus* GOAT'S BEARD Per. Sun/PtShade. 3½-4'. Summer. Zone 4-8.
0239 Zone 6 *Doering*
1939 Fluffy white, 8-12" flowers. Great for shade garden. Germ: BH: 75 °F 2-3 wk. Zone 6b *Urffer*
- Asc0150** *Asclepias curassavica* 'Silky Gold' BLOODFLOWER, BLOODY MILKWEED TenPer. Sun. 4 x 1'. Summer-Fall.
1999 Golden yellow flowers. Showy, deer and rabbit-resistant perennial (Zones 8A and above) has umbels of golden-yellow flowers from May to frost. Attracts pollinators. Essential larval host plant for the Monarch butterfly, *Danaus plexippus*. Good cut flower. Germ: BH. NST. Zone 8a *Norfolk Botanical staff*

- Asc2500** *Asclepias incarnata* SWAMP MILKWEED Per. Sun. 4 x 2'. Summer.
0507 White form. Monarch food. Zone 7 *Kolo*
0951 Pink flowers. *Tracey*
- Asc2900** *Asclepias incarnata* 'Large Marge' SWAMP MILKWEED Per. 4'-5'. Full sun. Summer.
1999 Rose-purple. Norfolk Botanical Garden selection from an isolated, wild population at the garden. Think incarnata on steroids: substantial, beefy plants with larger leaves and blossoms means more food for Monarch caterpillars! Germ: CMS for 30 days, then sow at 70°F for germination in 21 days. Zone 8a *Norfolk Botanical staff*
- Asc3000** *Asclepias perennis* AQUATIC MILKWEED, WHITE SWAMP MILKWEED Per. 1'-2'. Full sun-partial shade. Summer.
0965 White/ pink blush flowers. New for me. Planted in a moist spot in the garden, the small, elegant flowers bloomed continuously. Zone 7a *Umpbrey*
- Asc3700** *Asclepias syriaca* COMMON MILKWEED Per. 2-4'.
1228 Uses: Garment trade and medicinal. Butterflies and other wildlife like it. Germ: CMS: 3-6 weeks. *Labash*
- Asc4010** *Asclepias tuberosa* MILKWEED, BUTTERFLY WEED Per. Sun. 2-3 x 1-2'. Summer-Fall.
0200 Orange blooms. Tough native plant. Likes dry soils. Germ: SIS. Zone 7 *Creveling*
1999 Screaming orange. Native, drought tolerant, tap-rooted perennial wildflower is a caterpillar host plant for the Monarch (*Danaus plexippus*). Consorts well with Callirhoe. Germ: CMS at 40 for 60 days, then sow at 70. Expect germination in 3 weeks. BC. W. RTP: Resents transplanting. Best success is achieved by using a soil mix that has over 50% perlite and using tall pots to accommodate the tap root. Zone 8a *Norfolk Botanical staff*
3540 Germ: CMS: 90 d Zone 7 *Rifici*
- Asi1050** *Asimina triloba* PAWPAW TREE Shrub/Tree. Sun/PtShade. 20 x 20'. Spring.
0926 *Streeter*
- Asp0150** *Asparagus cochinchinensis* 'Chuwang' CHINESE TUBER ASPARAGUS Per. Sun. 7'. Spring. Zone 5a-9b.
0032 Seed strain from Mt. Chuwang in South Korea. Germ: OW, W, D, NST. *Plant Delights*
- Asp0250** *Asparagus schobertoides* Per. Sun. 1-3 x 2'. Summer.
0199 White flowers on a fine textured perennial to 2' tall with yellow fall color and small red fruit on female plants. My plant originated from wild collected seed in Korea by Morris Arboretum in 1984. Zone 7 *Cresson*
- Asp0550** *Asphodeline lutea* 'Italian Gold' KING'S SPEAR Per. Sun. 3-4 x 1-2'. Spring. Zone 6-9.
2515 Lovely, yellow flowers with a long bloom time in the late Spring. Takes a couple of years from seed to see the blooms. Likes a dry site. Zone 6 *Doblmaier*
- Asp4500** *Asphodeline lutea* YELLOW KING'S SPEAR Per. Sun. 4-5'. Spring/Early Summer.
0199 Yellow flowers. Mildly rhizomatous clumps of deep green, grassy foliage. Many budded spikes of bright yellow flowers that open over a long period in early summer. Eurasia and northern Africa. Zone 7 *Cresson*
- Ast5000** *Aster tataricus* TATARIAN ASTER Per. Sun. To 6' or more in bloom. Fall. Zone 4-8.
1228 Uses: Medicinal and cut flower. Bees and Butterflies like it. Germ: Warm soil - do not let dry out. *Labash*
- 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. *Garnett*
- Ast8200** *Astrantia major* GREAT MASTERWORT Per. Pt.Sun. 1.5-2 x 1-1.5'. May to July. Zone 4-7.
3666 Red/ rose Zone 5 *McGowan*
- Ast9200** *Astrantia maxima* MAXIMUM MASTERWORT Per. Full/Pt.Sun. 1-3' x 1-2'. Late Spring-Summer, Zone 4-9.
3666 White. Zone 5 *McGowan*
- Bap0900** *Baptisia x arachnifolia* (*arachnifera* x *simplicifolia*)
0032 *Plant Delights*
- Bap1050** *Baptisia australis* BLUE FALSE INDIGO, PLAINS FALSE INDIGO Per. Sun. 3-5 x 2-4'. Early Summer. Zone 3-9.
0200 Blue. Shrub-sized plant with blue-green foliage. Blue-black seedpods follow flowers. Zone 7 *Creveling*
0507 Lavender flowers. Tough plant. Plant it where you want it to stay. Blooms are short-lived. Nice foliage, though. Germ: Probably soak seed overnight. Zone 7 *Kolo*

Baptisia - Bletilla

- 3645 Purple blooms. Germ: CMS: 10 d, Scfy. Zone 7a *Roskoph*
9985 Blue blooms. Germ: CMS: 90 d, Scfy; OW; BC; NST; 30 d. Zone 7a *Jenkins Arboretum*
- Bap2300** *Baptisia nuttalliana* NUTTALL'S WILD INDIGO Per. Sun/Pt.Sun.
3666 Pale yellow. 18" x18". Zone 5 *McGowan*
- Bee1000** *Beesia deltophylla* BEESIA Per. Shade/pt shade. 1.5 x 2'. Mid to late spring. Zone 7.
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. *Kushner*
- Beg1050** *Begonia grandis* subsp. *evansiana* HARDY BEGONIA Per. PtShade/Shade. 2 x 1½'. Late Summer-Fall.
0239 Soft pink flowers. Lovely late, long-flowering, shade-loving begonia that spreads around a little. A very welcome addition to any shade garden. Germ: W; BC; SIS; NST; 12 d. Store dry and sow seeds at 70°F. Seeds germinate in 10-12 d. Can be sown in situ. Zone 6 *Doering*
0318 Pink flowers in September with interesting hanging, winged seed capsule. Wonderful filler, which seeds around prolifically, but provides color in early fall, when most everything else is fading. Deer do like it. *Garnett*
0522 Pink flowers on shade-loving perennial. Blooms July-October. 18-24" tall. Good companion to hostas and ferns. *Kushner*
1020 Soft pink flowers sited in partial shade. Late summer to early fall blooming. Shade loving begonia that spreads around. Germ: BC; W; NST; SIS. Zone 7 *Wiedorn*
- 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. *Kushner*
- Beg1100** *Begonia grandis* subsp. *evansiana* 'Heron's Pirouette' HERON'S PIROUETTE HARDY BEGONIA Per. PtShade/Shade. 15". Late Summer-Fall. Zone 5-9.
1607 Pink flowers. Masses of deep pink, nearly 12"-long flower clusters, followed by warm pink seed heads. Prefers well-drained soil and bright shade. Zone 7a *Jellinek*
- Beg2500** *Begonia sutherlandii* TUBEROUS BEGONIA TenPer. PtShade. 1 x 1½'. Summer.
0522 Clear orange. Splendid pot plant. Good light orange flowers. Overwinter in pot. Slow starter but worth the wait. Germ: L; BH. *Kushner*
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 6 *Malocsay*
0965 Orange flowers. These are bulbils that form on the mature plant. From one single bulbil, a large plant can grow in one season. Pot up with bulbil just covered, then keep warm and moist until growth starts. Zone 7a *Umpbrey*
- Ber1960** *Berlandiera lyrata* CHOCOLATE FLOWER Per. Sun. 12-15 x 18-24". Summer to frost. Zone 4-8.
1607 Yellow with brown eye, chocolate-scented daisy-type flowers, bloom at night--fragrance best in the morning before flowers close. Well-drained soil, full sun. Attracts beneficial insects. SW native wildflower. Zone 7a *Jellinek*
- 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. *Plant Delights*
- Bid0300** *Bidens aristosa* TICKSEED SUNFLOWER An. Sun. 1-4'. Late Summer.
1277 Yellow flowers. I spread the seeds where I want them in late winter. Will self-sow. Wonderful wild garden background plant. Prefers wet soil, but grows anywhere. Can be cut back to keep plants shorter. Zone 6a *Haas*
- Ble2300** *Bletilla ochracea* 'Chinese Butterfly'
0032 *Plant Delights*

- Boe0100** *Boehmeria platanifolia* SYCAMORE LEAVED FALSE NETTLE Per. Sun/PtShade. 5'. Zone 5-9.
1999 Insignificant white flowers. A tall (to 5 feet), deciduous perennial plant with bold, architectural foliage lends a tropical flair to the shady garden. Caterpillar host plant for the Red Admiral (*Vanessa atalanta*), Question Mark (*Polygonia interrogationis*) and Comma (*Polygonia c-album*) butterflies. Perfect plant for folks who want to raise butterflies in shady areas. Grown from seed Boe0100 obtained from HPS 2018 exchange. Germ: BC, W, NST. Zone 8a *Norfolk Botanical staff*
2137 White flowers. *Boehmeria platanifolia* makes a 5' tall x 4' wide texturally enchanting clump of upright stems, clothed with fascinatingly bold, deeply-incised green leaves, each attached to the stem by a bright red petiole. The top of the stems are adorned in late summer with floral stalks that look like limp pipe cleaners.. Germ: BC: Barely cover seed. Maximum germination time (in days): 3 months. W: Room temperature, 65-70F. NST: No special treatment. Zone 6b *Boylan*
3001 Non-stinging herbaceous nettle relative. Sun to part shade, though leaves can yellow in full sun. To 5 x 4', zones 5-9. One of the boldest of the boehmerias--leaves can be 6-8" across at maturity. Bright red petioles set off from medium green leaf. A nice addition to the woodland garden. Germ: NST. Zone 7 *Gregg*
- Boe0150** *Boehmeria sieboldiana* SIEBOLD'S FALSE NETTLE Per. Sun/PtShade. 3-5'. Midsummer. Zone 7-10.
3001 Asian herbaceous perennial, relative to our stinging nettle, though this one doesn't sting. To 5-6'. Nice texture in the shade garden. Can take sun. Part shade to shade gives dark green leaves. Hardier than the zone 7 usually given to it. Will self seed, but not aggressively so. Germ: NST. Zone 7 *Gregg*
- Bol1500** *Boltonia asteroides* 'Snowbank' Per. Sun. 3-4 x 3'. Summer-Fall.
0239 White flowers. Cultivar probably doesn't come true from seed, but seedlings may be nice anyway. A wonderful addition to the garden for late flowers. Easy to grow. Germ: Soak 1 d, W; BC; NST; 10 d. Zone 6 *Doering*
- Bro1050** *Browallia americana* JAMAICAN FORGET-ME-NOT, BUSH VIOLET An. Sun/PtShade. 2 x 2'. Late Summer-Fall.
0318 Blue flowers. Self-sows. Germ: NST; W; SIS. *Garnett*
0797 Blue flowers. Germ: NST; BC; W. *Robinson*
0951 Blue. Great filler plant with small blue flowers. Self-sows, but seedlings often don't appear until later in the season. *Tracey*
1277 Sky blue flowers. Wonderful filler plant. Blooms until frost. Self-seeds. Zone 6a *Haas*
- Bup1400** *Bupleurum rotundifolium* THROW-WAX An. Sun. 2 x 1'. Summer.
0592 RHS says perennial, but for me it is a self-sowing annual of short duration. I grow it for bouquet interest of chartreuse bracts. Germ: NST. Zone 6 *Malocsay*
2937 Green blooms. An annual which also grows well sown in autumn or late autumn. 2-3' tall branching stems of rounded leaves and tiny yellowish flowers. Zone 6a *Bittmann*
9968 Yellow-lime green flowers. Annual flower. Great cut and dried flower. Sun/ part shade in average, well-drained soil
Germ: CMS: 7-14 days (occasionally erratic to 30 days). SIS. L. Thin when the first true leaves appear. Zone 7a *Roper*
- Cac0035** *Cacalia hastata tanakae* Per. PtShade. 6'. Late Summer/Fall.
2137 White blooms. Strong, erect stems reach 4-6' tall in bloom. Small, soft white, bottlebrush flowers bloom mid-season. Gorgeous variegated foliage! Germ: W, BC, NST. Zone 6b *Boylan*
- 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 7 *Ellis*
- Cal2550** *Callicarpa dichotoma* 'Issai' BEAUTYBERRY Shrub. Sun/PtShade. 4-5 x 4-5'. Summer.
1277 Pale pink flowers. Zone 6a *Haas*
- Cal2980** *Callirhoe bushii* BUSH'S POPPY MALLOWS Per. Sun. 12-18 x 24-36". Spring. Zone 4-8.
0032 Source: Prairie Moon Nursery *Plant Delights*
- Cal4200** *Calycanthus chinensis* SWEETSHRUB Shrub. 10'.
0032 *Plant Delights*

Camassia - Campylotropis

- Cam0050** *Camassia cusickii* CAMASS LILY Bulb. Sun/PtShade. 2½'. Spring.
0199 Light blue flowers in May. Beautiful grayish-green foliage. Native to the west. Interplant with daffodils. Evenly moist soil, tolerates very wet clay, but grows anywhere soil is moist until June. Zone 7 *Cresson*
- Cam0220** *Camassia leichtlinii* 'Pink Stars' Bulb. Full Sun/Pt Shade. 3'. Spring.
0199 Pink flowers. Clear pink is a new color break for camassia! Zone 7 *Cresson*
- Cam0230** *Camassia leichtlinii ssp suksdorfii* (Caeruleae Group) CAMASSIA Perennial Bulb. Full Sun-Partial Shade. 2-1/2'-4' tall. Spring.
0507 Pale silvery blue flowers. Zone 7 *Kolo*
- Cam0320** *Camellia chekiangoleosa* CAMELLIA Shrub. Sun/PtShade. 7-10'. Late Winter-Early Spring.
0199 Salmon-pink blooms. This new Chinese species, similar to japonica is equally hardy and tends to bloom a bit earlier in spring with large single flowers. Usually scarlet red, this plant is an intriguing salmony-pink. 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*
- Cam0340** *Camellia japonica* (mixed hardy) Shrub. PtShade. 8-10 x 10'. Spring.
0199 Mixed colors. Seeds from the hardiest classic cultivars used to breed the newer hardy cultivars. Should produce hardy seedlings in shades of pink or red. Zone 7 *Cresson*
- 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 7a *Silberstein*
- Cam0500** *Camellia oleifera* hybrid (semi-double rose pink) TEA-OIL CAMELLIA Shrub. PtShade. 12 x 10'. Fall.
0199 Parents with single and semidouble rose pink blooms. Bloom mid-October through November. Seedlings will vary. Zone 7 *Cresson*
- Cam0800** *Camellia stnensis* TEA PLANT Shrub. PtShade. 5 x 5'. Fall.
0199 White flowers with prominent yellow stamens. You can make real tea from the young shoots, but most people will just enjoy the scented white flowers of this small rounded shrub Sept-Nov. In fact, the origin of this plant was a tea experiment station in northern Japan. Germ: Seed has been refrigerated in moist peat. Sow immediately upon receipt. Should germinate soon in a warm location. Zone 7 *Cresson*
- Cam0850** *Camellia stnensis* 'Rosea' TEA PLANT Shrub. PtShade. 5 x 5'. Fall.
0199 Striking pink flowers with prominent red stamens Sept-Nov. Spring shoots are beet red, fading to dark green for summer. Germ: Seed has been refrigerated in moist peat. Sow immediately upon receipt. Should germinate soon in a warm location. Zone 7 *Cresson*
- 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*
- Cam4640** *Campanula persicifolia* 'Telham Beauty' PEACH-LEAVED BELLFLOWER Per. 3'-4' x 11/2'-2'. Late Spring. Zone 3-7.
1017 Blue flowers. Can be short-lived, but very showy while it lasts. Zone 5b *Whitesell*
- Cam5450** *Campanula sibirica* SIBERIAN BELLFLOWER Per. Full sun-partial shade. 12"-18". Summer.
0199 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. *Robinson*
1585 Blue flowers. Upright plant. Blooms for several weeks starting in midsummer. *Scofield*
- Cam7010** *Campylotropis macrocarpa* Shrub. Sun/PtShade. 4 x 3'. Summer.
0592 Light purple blooms in summer. Quietly pretty. *Lespedeza thunbergii* on a diet. Zone 6 *Malocsay*

- 1277 Purple flowers. Plant is worth growing for late summer-fall color. Delicate spring lespedeza-like leaves. New leaves have coppery color. Zone 6a *Haas*
- Can5090 *Canna flaccida*
0032 *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. Zone 6a *Bittmann*
- Can5350 *Canna indica* INDIAN SHOT Tender Perennial. Full Sun. 5' tall. Summer.
9975 Red flowers. Tender perennial, easily started from seed growing upwards of 6 feet with slender red flowers blooming through October. Germ: Scfy; D; BH; 7-14 days germination time. *Bartram's Garden*
- Can5800 *Canna species* TenPer. Sun/PtSun. 4 x 2'. Summer.
0590 Yellow blooms. Compact grower with green foliage. Zone 7a *Mabony*
- Cap1115 *Capsicum annuum* 'Black Olive' BLACK OLIVE ORNAMENTAL PEPPER An. Sun. 12-24 x 12". Summer-Fall. Zone 9-11.
2517 Grown for fruit and dark foliage. Small fruit (under 2") changing from purple/black to red. Extremely hot; not recommended for eating. Germ: NST. Zone 7 *Weaver*
- 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 7 *Ellis*
- Cap1700 *Capsicum annuum* 'Masquerade' ORNAMENTAL PEPPER An. Sun. 10-12". Summer/Fall.
2517 Tender annual with light green foliage and 2-2 1/2" x 1/2" hot, tapering fruit changing from green to purple to red. Zone 7 *Weaver*
- Cap1800 *Capsicum annuum* 'Medusa' ORNAMENTAL PEPPER An. Sun. 8-10 x 6-8". Summer-Fall.
2517 A dwarf, naturally compact ornamental pepper with dark foliage and 2-2 1/2" edible fruit, ranging from ivory to yellow, orange, and bright red. Germ: NST. Zone 7 *Weaver*
- Cap2100 *Capsicum annuum* 'Purple Flash' ORNAMENTAL PEPPER An./TenPer. 18-24 x 18". Summer-Fall.
2515 Light purple blooms. This ornamental pepper has purple and white-splashed leaves. Peppers are edible and hot. Peppers turn from green to purple to red. Start 6-8 wk before transplanting, just like any other edible pepper. Zone 6 *Doblmaier*
- Cap2150 *Capsicum annuum* 'Red Missile' ORNAMENTAL PEPPER An. Full Sun-Partial Shade. 8-10" tall. Summer.
2517 White flowers. Light green foliage with upright red fruit shaped like missiles. Fruit is hot and turns downward when ripening. Germ: NST. Zone 7 *Weaver*
- Cap2230 *Capsicum annuum* 'Sangria' ORNAMENTAL PEPPER An. Full sun-Partial shade. 8-10" tall. Summer.
2517 An edible dwarf ornamental pepper with 2" fruit, changing from orange to lilac to purple to red. Germ: NST. Zone 7 *Weaver*
- Cap2250 *Capsicum annuum* 'Sedona Sun' ORNAMENTAL PEPPER An. Sun. 9-12 x 14-16". Summer-Fall.
2515 White flowers. Small peppers that are hot and change colors when mature to yellows and oranges. Germ: Start seed about 10 weeks before hardening off. Zone 6 *Doblmaier*
- Cap2800 *Capsicum annuum* var. *glabriusculum* TEXAS BIRD PEPPER
2515 White flowers. Ornamental hot pepper plant with tiny orange peppers in the autumn. Germ: BH, BC. Zone 6 *Doblmaier*
- Cap4000 *Capsicum chinense* 'Fatalli' HOT PEPPER TenPer. Sun. 18-24". Summer
3001 A medium hot to hot Habanero type, producing bright yellow, wrinkled, tear drop shaped fruit. Has the most flavor and aroma (of citrus) of the Habaneros. Can be halved, seeded, and frozen. Use judiciously. A third to a half of a pepper adds flavor to soups and stews without being too hot to taste the food. Germ: BH, Start early--needs 110-120 d to maturity. Zone 7 *Gregg*

Cardiocrinum - Centaurea

- Car0120** *Cardiocrinum cordatum* Bulb. PtShade. 3-4'. Late Summer.
0199 White flowers. Although less spectacular than *C. giganteum*, this Japanese species is easier to grow. Greenish white trumpet flowers with a pred stained throat in July. Takes about 5 years to bloom from seed. Until that time clumps of heart-shaped leaves resemble a hosta. Zone 7 *Cresson*
- Car0200** *Cardiocrinum giganteum* GIANT LILY, HIMALAYAN HEART LILY Bulb. PtShade. 5-6 x 1'. Summer.
0199 White trumpets with maroon throat. The fabled giant lily of the Himalayas. Strongly fragrant at night of jasmine, clove. Hosta like leaves. Dies down midsummer unless producing seed. Bulb dies but bulblets remain at base. Very rich, moist, woodland soil; can't take direct hot sun. Germ: Cycle CMS. Like other lilies, seed requires two stratifications with a warm period in between. Sow immediately, water and chill 2 mo. Keep moist thru summer and chill again. Germinates second spring, then takes 4 years to bloom. Zone 7 *Cresson*
2504 Takes several years to bloom. White Easter lily-like flowers; seed pods erect like giant candelabrum. When dry and open, large pods have tiny teeth along edges. Mounds of largish shiny leaves in early years; monocarpic – bulb dies after blossoming, but small offset bulblets are formed. *Mills, M*
- Car0750** *Cardiospermum halicacabum* LOVE-IN-A-PUFF, BALLOON VINE An. Vine. Sun. 12'. Summer.
9975 White flowers. Annual twining vine with pleasing leaves, most notable for lantern-esque inflated, green, papery seed capsules. Germ: Scfy; D; 14-21 days germination time; W; SIS; Sow in pots or direct 1/4" deep. *Bartram's Garden*
- 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 7b *Mackey*
- Car2450** *Carex grayi* BUR SEDGE, MACE SEDGE Grass. PtShade/Shade. 2-3'.
0199 Green. Light green grass-like native clump-forming perennial for shade. Starry green seed heads resemble the Medieval weapon. Zone 7 *Cresson*
- Car2650** *Carex scaposa* CHINESE PINK FAIRY SEDGE Per. PtShade. 12 x 12". Summer/Fall.
0032 Source: US National Arboretum *Plant Delights*
0199 A truly "flowering" sedge. Plumes of pink flowers stand above clumps of wide green leaves in midsummer and again in September. Even attracts honey bees. Woodland with moderately moist soil. From China and northern Vietnam. Zone 7 *Cresson*
- Car3450** *Caryopteris x clandonensis* STERLING SILVER BLUEBEARD Shrub. Sun/PtSun. 2-3 x 2'. Aug-Sept. Zone 5-9.
0199 Shrub. Sun/PtSun. 2-3 x 2'. Aug-Sept. The most silver-foliaged caryopteris I have seen, so an asset all summer long. Bright blue flowers. Not so easy to find, but seedlings seem to come pretty true. Prune hard in spring. Zone 7 *Cresson*
- 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*
- Cel0100** *Celastrus scandens* AMERICAN BITTERSWEET PerVine. Sun. 15-20 x 3-6'. Spring. Zone 3-8.
3561 Twining vine for a large pergola, scarlet fruit fall-winter. Far less vigorous than Oriental bittersweet, with larger fruit. Germ: CMS: 90-140 days. *Gorman*
- Cel0850** *Celosia argentea* (Spicata Group) COCKSCOMB, WHEAT CELOSIA An. Sun. 4 x 4'. Summer-Fall.
9975 Slender pink tipped spike flowers. Prefers full sun to grow 4' t 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. *Bartram's Garden*
- Cen2200** *Centaurea montana* MOUNTAIN BLUET, PERENNIAL CORNFLOWER Per. Sun/PtShade. 1½ x 2'. Summer.
0199 Blue flowers. Zone 7 *Cresson*
- Cen2250** *Centaurea montana* 'Amethyst in Snow' MOUNTAIN BLUET, PERENNIAL CORNFLOWER Per. Sun/PtShade. 12-24 x 9-24". Early Summer. Zone 3-7.
0199 White/purple blooms. Deadhead for repeat bloom into midsummer. Zone 7 *Cresson*

- Cen5000** *Centranthus ruber* RED VALERIAN Per. Sun/PtShade. 3'. Summer-Fall.
0199 Pink-red flowers. You may have seen this seeding into walls all over England. Give good drainage and deadhead for longer bloom. Zone 7 *Cresson*
- Cen5700** *Centratherum punctatum* BRAZILIAN BACHELOR'S BUTTON, BRAZILIAN BUTTON FLOWER, LARKDAISY TenPer. Sun. 3 x 3'. Summer-frost. Zone 9-11.
0592 One seedling from midsummer on does the work of a shrub with lovely foliage/bloom balance. Blue purple. Germ: NST. Self sowing readily in Pittsburgh though slow to germinate, making it a later season refresher. Zone 6 *Malocsay*
- Cep0550** *Cephalanthus occidentalis* BUTTONBUSH Shrub. Sun/Pt. Shade. 8'. Summer.
0239 White blooms. Native plant with interesting flowers, seed head, and bark. Prefers moist areas, but is happy with average water and soil. Flowers are an excellent source of nectar for butterflies in the summer. Considered an important plant for butterfly nectar. Germ: W, NST, SR, 14d. Zone 6 *Doering*
1277 White blooms on shrub. Loves sunny wet areas but takes some shade. Germ: CMS: 90 d. Zone 6a *Haas*
1999 Fragrant white spherical flowers resembling pincushions are followed by attractive, long-lasting round seed pods. Native deciduous shrub attracts bees, butterflies, and other beneficial insects. Thrives in wet soils, including flood conditions and shallow standing water. Prefers full to part sun. The fruits persist in winter and are gobbled up by ducks and other water birds. The willow-like foliage is deer-resistant. Thrives in USDA Zones 5-10. Germ: Soak: 24 hr. Soak in hot water for 24 hr before sowing. Light enhances germination so surface sow. W, L, SS, 21 d. Keep soil consistently moist for germination. Zone 8a *Norfolk Botanical staff*
9985 White flowers. Germ: W, NST. Zone 7a *Jenkins Arboretum*
- Cer1300** *Ceratotheca triloba* SOUTH AFRICAN FOXGLOVE An. Sun. 4-6 x 2½'. Summer-Fall.
1020 Lavender/pink flowers from 2007-08 Seed Exchange. Germ: NST; BC. Zone 7 *Wiedorn*
2515 Large, light-purple, snapdragon-type flowers. A must for my containers. Blooms all summer, if deadheaded. Germ: NST. Zone 6 *Doblmaier*
- Cha1050** *Chasmanthium latifolium* NORTHERN SEA OATS PerGrass. Sun/PtShade. 3 x 2'. Summer/Fall.
1999 Seed heads change from green to copper as they age. A U.S. native grass that thrives in shade. Adored by flower arrangers and is a caterpillar host plant for the Northern Pearly-Eye (*Enodia anhedon*) and the Clouded Skipper (*Lerema accius*). Prodigious self-sower; useful for erosion control. Germ: CMS at 40 for 60 days, then sow at 70. Expect germination in three weeks. Zone 8a *Norfolk Botanical staff*
- Che2000** *Chelone glabra* TURTLEHEAD Per. PtShade. 2-3 x 2'. Summer-Fall.
0318 Pink flowers. Likes moisture. Will self-sow if happy. *Garnett*
0522 White flowers. Upright perennial. Late summer/early fall bloomer. 2-3' tall. Best planted near ponds. *Kusbner*
- Che2300** *Chelone lyonii* 'Hot Lips' TURTLEHEAD Per. Sun/PtShade. 3-4 x 2'. Late Summer-Fall.
3397 Hot pink flowers. Sturdy plant looks great all year and makes bright pink flowers that show up well in deep shade. Zone 6b *Egbertson*
- Che2400** *Chelone lyonii* 'Tiny Tortuga' TURTLEHEAD Per. Sun/PtShade. 12-16" x 8-10". Late Summer-Fall. Zone 4-9.
3397 Hot pink flowers. 2'-3' tall. Zone 6b *Egbertson*
- Che2600** *Chelonopsis yagibarana* Per. Sun/PtShade. 12 x 18". Summer-Fall.
0199 Deep pink flowers. ~Chelonopsis~ means "~Chelone~-like," an apt description for this rare August-October bloomer with clean foliage on outwardly arching stems. From Dan Hinkley. Zone 7 *Cresson*
- Chi0750** *Chimonanthus praecox* WINTERSWEET, JAPANESE ALL-SPICE Shrub. Sun/PtShade. 10-15 x 8-12'. Winter.
0199 Pale yellow flowers. Very fragrant pale-yellow flowers with red highlights during winter's warm spells. Flowers are remarkably frost tolerant. Tough and drought tolerant. From the Morris Arboretum's wild collection in Shaanxi Province, China in 1995. Indispensable in the winter garden! Zone 7 *Cresson*
- Chi1220** *Chionanthus virginicus* FRINGE TREE, OLD MAN'S BEARD Tree. Sun/PtShade. 10 x 10'. Spring.
0045 White blooms on a southeast PA native. One of our best native flowering trees. Difficult to sprout, easy to grow. Germ: Cycle; OW; 2 yr. Seed is hard coated, probably needs time to grow. Sow with plenty of grit. Zone 6b7a *Bartlett*

Chrysanthemum - Clematis

- Chr0800** *Chrysanthemum indicum* Per. Sun. 2'. Summer-Fall. Zone 5-9.
2937-A Mixed blooms. Will hopefully include a mix of colors and petal shapes, all on shorter to medium height plants.
Zone 6a *Bittmann*
- Cit1150** *Citrus trifoliata* 'Flying Dragon' BITTER ORANGE Tree. Sun/PtShade. 4-6 x 12-15'. Spring/Summer. Zone 6-10.
1999 Fragrant white flowers blooms. A high percentage of seedlings exhibit contorted form. Fruit used in jams and jellies, deer-resistant, slow-growing, semi-dwarf. Germ: CMS: 60 d, Cycle: Seedlings sprout in 7-14 d after 60 d moist stratification.
Zone 8a *Norfolk Botanical staff*
- 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*
- Cle3200** *Clematis glaucophylla* Vine. Sun/PtShade. 12+'. Summer.
0199 Pink and creamy yellow flowers. Pendant, urn-shaped flowers in mid to late summer with glaucous green foliage. A desirable southeast U.S. native. Zone 7 *Cresson*
- Cle3250** *Clematis glaucophylla* 'Panhandler' PANHANDLER WHITELEAF LEATHER FLOWER Vine. Sun/PtShade. 12+'. Summer.
Zone 6-10.
0032 Lavender bell flowers from June-October followed by attractive silvery seed heads. This form is from the Florida panhandle. *Plant Delights*
- Cle3300** *Clematis texensis* 'Gravetye Beauty' Vine. Sun. Summer.
2137 Red blooms. Each miniature tulip-like flower is borne on a long stem and consists of 4-6 rich deep red tepals opening to a striking star shape. ~Clematis~ 'Gravetye Beauty' is best grown through ground covers, vertically in shrubs, or on a tuteur. Spectacular classic variety. Germ: Cycle: Sow @ 68°F for 6 wk, then place @ 40°F for 6 wk, then slowly raise temperature to 50°F for 6 wk. If there is no germination, repeat the cycle. This mimics fall sowing outdoors for spring germination. Remove tails as they inhibit germination. Zone 6b *Boylan*
- Cle3620** *Clematis hericifolia* 'China Purple' BUSH CLEMATIS Per. 3'-4'x2'-3'. Full sun-partial shade. Summer. Zone 3-9.
3001 Purple flowers. More attractive than the species. New growth can have purple stems and petioles, blossoms an attractive medium purple. To 3x4'. Germ: CMS: 2-3 months. Zone 7 *Gregg*
- Cle4100** *Clematis x joutniana* 'Praecox' Per. Vine. Sun/PtShade. 10-13'. Summer/Fall.
0507 White blooms flushed with pale blue overtones. Nonclinging, woody vine. Vigorous. Astonishingly beautiful in bloom.
Zone 7 *Kolo*
- Cle4500** *Clematis ladakbiana* Vine. Sun. 15-20'. Summer.
0199 Yellow flowers with maroon dots. Flowers are small, nodding, and prolific. Glaucous gray foliage. Likes hot sunny dry location. Zone 7 *Cresson*
- Cle5350** *Clematis pitcheri* LEATHERFLOWER, BLUEBELL Vine. PtShade. 10'. Summer.
0032 Resembles ~C. pitcheri~, but may not actually be it. *Plant Delights*
- Cle5360** *Clematis pitcheri* hybrid LEATHERFLOWER, BLUEBELL Vine. PtShade. 10'. Summer.
0199 Purple, nodding, bell-shaped flowers. This very attractive native clematis hybrid was discovered by Carol Lim in a Broomall garden and blooms all summer. Probably ~C. pitcheri~ x ~C. crispa~. Zone 7 *Cresson*
- Cle5620** *Clematis* 'Rooguchi' Per. Vine. Sun/PtShade. 6 x 4'. Early Summer-Early Fall.
0522 Plum purple flowers. A nonstop bloomer for months. Dainty, ribbed, bell-shaped flowers. *Kushner*
- Cle5900** *Clematis stans* Per. Sun/PtShade. 2 x 3'. Summer-Fall. Zone 5-10.
3001 Blue flowers. Bush-type, similar to ~C. heracleifolia~, but more compact. Blue tubular flowers. Germ: CMS: 30 d, then warm. Zone 7 *Gregg*
- Cle6100** *Clematis terniflora* Vine. Sun. 12-15'. Fall.
1228 Cut flower. Pruning group 1. Germ: WMS. *Labash*

- Cle6150** *Clematis texensis* SCARLET CLEMATIS, TEXAS CLEMATIS Vine. Sun/PtShade. Summer-Fall. 15 x 1½'. Summer.
0199 Carmine-red flowers. Spherical lantern-shaped flowers, from early summer through September, look like strawberries. Can be allowed to sprawl over shrubs, roses, or on a fence, where it is perhaps the most admired plant in the garden. It likes hot, sunny, dry conditions. Difficult species to obtain. Zone 7 *Cresson*
0269 Red blooms with creamy yellow inside. A showy summer-blooming species, ~*C. texensis*~ dies to the ground in winter, but has been reliably perennial in Zone 7. I grew my plants from HPS/MAG Seed Exchange seed from Charles Cresson's garden. The flowers are jug-shaped with four petal-like sepals and about 1" long. Leaves are pinnate with oval leaflets. Vines climb to about 9' and cling by twining leafstalks. Germ: OW, SIS. 365 d. Patience is required for germination. Sow seed in pots and mulch with fine gravel. Then leave the pots in a protected spot outdoors. Water as necessary, and be prepared to wait 1-2 yr for germination. This plant is worth the wait! Zone 7 *Ellis*
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*
- Cle6480** *Clematis versicolor* PALE LEATHERFLOWER CLEMATIS Per. 6'-16'. Full sun-partial shade. Late Spring. Zone 5-9.
2137 Pale lavender flowers. Glaucous green, rounded pinnate leaves adorn the wiry cinnamon-colored stems which are topped with an abundance of terminally-produced pendulous purple bells that fade to white toward the tip. Germ: BC. Grow at 70 F for 3 wks, then refrigerate for up to 3 months. Zone 6b *Boylan*
- Cle6490** *Clematis vitacea* OCOEE LEATHERFLOWER CLEMATIS Per. 3'-5'. Full sun. Spring/Summer Zone 6-11.
2137 Pink flowers. Single-origin leatherflower with small dark pink bells. Plants grow from 3-5' tall and repeat bloom throughout the growing season. Zone 6b *Boylan*
- Cle7300** *Cleome hassleriana* SPIDER FLOWER An. Sun. 5-6 x 3'. Summer-Fall.
1020 Pink flowers. Zone 7 *Wiedorn*
- Cle8500** *Clerodendron trichotomum* HARLEQUIN GLORY BOWER Shrub. Sun/PtShade. 10 x 10'. Summer.
0118 Cymes of fragrant white flowers with prominent stamens in late summer, followed by magenta seedpods opening to expose metallic blue berries. Germ: CMS, 4wk; BC; C, 3mo. Zone 5a *Stonecrop Gardens*
- Cle9200** *Clethra alnifolia* SUMMERSWEET, SWEET PEPPERBUSH Shrub. PtShade. 8 x 8'. Summer-Fall. Zone 3-9.
1277 White flowers. It is difficult to separate the seed from the capsule, so just plant the whole thing. Zone 6a *Haas*
- Cle9250** *Clethra alnifolia* 'Ruby Spice' SUMMERSWEET, SWEET PEPPERBUSH Shrub. PtShade. 8 x 8'. Summer-Fall.
1277 Pink flowers. Zone 6a *Haas*
3397 Pinky-white flowers. 4-8' tall and wide, needs moist soil, prune to get more compact form, best bloom in >4 hr sun. Zone 6b *Egbertson*
- Cli3650** *Clitoria ternatea* 'Flore Plena' BUTTERFLY PEA Annual Vine. Full Sun. Summer. 10'-15' long.
2515 Deep blue flowers on a delicate vine. Can intertwine on other plants. Zone 6 *Doblmaier*
- Cli4000** *Clivia miniata* NATAL LILY TenPer. PtShade. 30 x 30". Spring-Summer.
0199 Lemon-yellow flowers. Self-pollinated seed from 'Sir John Thouron'. Will come true. Germ: Sow immediately. Zone 7 *Cresson*
- 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*
0592 May be seen as subtle to a fault but I give it room to please the nectarists. The various bees value it highly. Hummingbirds contest it fiercely. Zone 6 *Malocsay*
- Col1200** *Colchicum spectosum* NAKED LADIES Bulb. Sun/PtShade. 6-12 x 18"; 3-6" in bloom. Fall. Zone 5-11.
0199 Large satiny pink crocus-like flowers with pointed petals and a white central zone in mid to late September. Zone 7 *Cresson*
- Col1400** *Collinsonia canadensis* HORSEBALM Per. PtShade. 2-4 x 1-3'. Late Summer. Zone 4-8.
0032 SE15-106a Germ: CMS, Cycle. BC, NST. *Plant Delights*
2515 Light yellow flowers. Bloomed the first year from seed. Likes a moist, shadier site. Germ: NST. Zone 6 *Doblmaier*

Collinsonia - Crambe

- Col1570** *Collinsonia punctata*
0032 Source: Doug Walker. Washington Co, GA *Plant Delights*
- Con0700** *Conoclinium coelestinum* BLUE MISTFLOWER Per. Sun/PtShade. 24-36 x 6". Midsummer-Fall. Zone 5-8.
3397 Blue flowers. Native pollinators love it, tons of bloom in September and October. Can tolerate wet feet. Self-sows readily to make lovely clumps. Zone 6b *Egbertson*
- Con1050** *Consolida ajacis* LARKSPUR An. Sun. 4 x 1'. Late Spring-Summer.
0522-A Mixed Colors *Kushner*
1277 A mix of white, pink, and mostly purple flowers. Zone 6a *Haas*
- Con1120** *Consolida ajacis* (lavender blooms) GIANT LARKSPUR Annual. Full sun. 2-4' tall. Summer.
0522 Lavender flowers. *Kushner*
- Con1180** *Consolida ajacis* (purple blooms) GIANT LARKSPUR Annual. Full Sun. 2-4' tall. Summer.
0522 Purple blooms. *Kushner*
- Cor1750** *Coreopsis rosea* TICKSEED Per. Sun. 1-2 x 1½-2½'. Summer. Zone 3-8.
1939 Rose to pink blooms for 3 mo. Full sun or light shade. Germ: BH; NST; SR. Zone 6b *Urffer*
- Cor1950** *Coreopsis verticillata* 'Zagreb' ZAGREB TICKSEED Per. Sun. 1-1½ x 1½'. Summer. Zone 3-9.
3397 Yellow flowers. 1-2ft uniform clump, dry to med wet soil, full sun, recommended highly by Mt. Cuba for our area. Zone 6b *Egbertson*
- Cor2700** *Cornus elliptica* EVERGREEN DOGWOOD Shrub. Sun/PtShade. 15-20 x 12-15'. Summer. Zone 7-9.
1999 ~*Cornus elliptica*~ is an evergreen to semi-evergreen dogwood that is native to China. It was introduced to the U.S. in 1980 by Ted R. Dudley of the U.S. National Arboretum. It is hardy in USDA Zones 6-8. Small tree blooms in early summer. The edible fruit, collected in late September or early November, is used in making jellies and jam. Germ: Cycle: Soak seeds overnight in warm water then cold, moist stratify for 90 d. Plants germinate when returned to 70°F in 21 d. Zone 8a *Norfolk Botanical staff*
- Cor2750** *Cornus florida* FLOWERING DOGWOOD Tree/Shrub. Sun/PtShade. Spring.
0084 White bracts surrounding small yellow flowers. Lovely native, small tree with spring bloom and red fall color. Germ: CMS: 90 d, C. Zone 6b *Bowditch*
1277 White flowers. Germ: CMS 3mo. Pot up seeds and OW. Zone 6a *Haas*
- Cor2900** *Cornus mas* CORNELIAN CHERRY, CHERRY DOGWOOD Tree. PtSun/PtShade. 15-25'. Early Spring. Zone 4-8.
1277 Zone 6a *Haas*
- Cor4000** *Cortaderia araucana Chileflora form*
0032 Source: Chileflora *Plant Delights*
- Cos2500** *Cosmos sulphureus* YELLOW COSMOS An. Sun. 4 x 1½'. Summer-Fall.
0797 Orange flowers. Very free flowering. More delicate than the usual white and pink ~*C. bipinnatus*~. Germ: NST; L; W. *Robinson*
- Cos2600** *Cosmos sulphureus* 'Cosmic Orange' An. Sun. 2-3 x 2-3'. Summer-Fall.
0627 Bright yellow-orange flowers. Self-sows. *McShane*
- Cos2830** *Cosmos sulphureus* 'Mona's Orange' An. Sun. Summer-Fall.
3666 2' x 4'. Orange flowers, sometimes has red streaking. Long blooming. Zone 5 *McGowan*
- Cra1270** *Crambe maritima* SEA KALE Per. Sun. 2-3'. Late Spring/Midsummer. Zone 5-9.
0592 White blooms. Leaves very large, expansive—I remove those that lose their luster. Large, long-lasting cloud of fragrant bloom in spring. Gently crack husk before sowing. Seed laden stalks and lower leaves add interesting bone white to dry arrangements. Zone 6 *Malocsay*
0951 White blooms. New shoots edible. Beautiful blue foliage. Large sprays of flowers in June/early July. *Tracey*
1017 Creamy white flowers. Attractive, fleshy, glaucous foliage and large, honey-scented floral clusters. Apparently tolerates salt and sandy soil. Very ornamental and long lived, at least for me. I've never eaten foliage, but apparently you can. Zone 5b *Whitesell*

- Cyc0800** *Cyclamen coum* (mixed leaves) HARDY CYCLAMEN
0199 White blooms. Attractive mottled or patterned foliage and white flowers. Zone 7 *Cresson*
- Cyc2250** *Cyclamen mirabile* HARDY CYCLAMEN Per. PtShade. 3". Fall. Zone 6a-8b.
0965 Pale pink blooms. Needs more sun and drier conditions than most hardy cyclamen. I have mine growing in the cracks between pavers around a pool. Blooms like crazy in late summer into the fall. No supplemental water is required in most seasons. Germ: Soak. C, D. 180 d. Zone 7a *Umpbrey*
- Cyn0250** *Cynara cardunculus* CARDOON, ARTICHOKE THISTLE Per. Sun. 5 x 4'. Summer/Fall. Zone 7b+.
1999 Large purple thistle-like flowers. A hardy (in Zones 7-10) perennial with jagged, silvery foliage that provides an imposing, architectural presence to the garden. Great cut flower, but you'll have to fight the bees and butterflies who relish the nectar. This sculptural plant received the Royal Horticultural Society's Award of Garden Merit. Germ: Soak in hot water overnight; repeat procedure for any seeds that have not imbibed water, then sow at 70°, expect germination in 14 to 21 days, W. Zone 8a *Norfolk Botanical staff*
- Cyp1000** *Cypella coelestis* GOBLET FLOWER TenBulb, Sun/PtShade. 3-4' x 3-6". Summer-Fall. Zone 7b.
0032 Blue flowers. Germ: BC, SS, NST. *Plant Delights*
- Cyp1200** *Cypella herbertii* HERBERT'S GOBLET FLOWER Bulb. Sun/Pt.Sun. 20". Spring-Summer Zone 7-9.
0032 Yellow-orange goblet-shaped flowers. Little-known but easy to grow South American bulb. *Plant Delights*
- Dan1050** *Danae racemosa* POET'S LAUREL Shrub. PtShade/Shade. 3 x 3'. Summer. Zone 6-9
0199 Insignificant blooms on a graceful evergreen perennial/shrub in the asparagus family. Bright red fruit in fall. Thrives in dry shade. Hardier than the books say. Zone 7 *Cresson*
0522 Greenish yellow bloom. Notable for its waxy green leaves. Evergreen with orange berries in the autumn. Favored by floral arrangers. *Kushner*
- Dap2400** *Daphne mezereum* f. *alba* FEBRUARY DAPHNE Shrub. Sun/PtShade. 4 x 3'. Winter-Spring.
1277 Zone 6a *Haas*
- Dap3000** *Daphniphyllum himalaense* subsp. *macropodum* Shrub/Tree. PtShade. 20 x 15-20'. Spring.
1999 Purple-pink (male) and pale green (female) blooms. Dioecious, broadleaf evergreen shrub noted for its distinctive form and bold, rhododendron-like foliage. Fertilized female plants will produce clusters of blue-black drupes; new foliage is suffused with pink tints. Germ: CMS: 90 d. Germination will commence in 20-30 d when plants are returned to 70°F, 130 d. Zone 8a *Norfolk Botanical staff*
- Das1550** *Dasyliirion wheeleri* 'Apache Junction' *KJS 334* DESERT SPOON, SOTOL Per. Sun. 3-5 x 4-6'. Zone 6-10.
0032 From wild collected seed from Kenton J Seth, from plants in Apache Junction, AZ. Germ: NST. *Plant Delights*
- Das1555** *Dasyliirion wheeleri* ('Apache Junction' gold form)
0032 Source: Kenton J. Seth *Plant Delights*
- Dat3090** *Datura metel* 'Ballerina' DOWNY THORN APPLE, HORN OF PLENTY TenPer. PtShade. 2-5 x 2-5' Summer. Zone 9-11.
0590 Purple with white-throated blooms. Stems, buds, and flowers eggplant purple. Fragrant flowers. Grown with other ~D. metel~ selections--may not have purple flowers. Germ: NST. Zone 7a *Mabony*
- Dat3170** *Datura metel* 'Double Golden Queen' YELLOW ANGEL'S TRUMPET An. Sun. 4 x 2-4'. Summer-Fall.
0590 Pale yellow/creamy yellow (not gold). Hose-in-hose trumpet flowers are 6-8" long and 3-4" wide. Fragrant. Medium green, up to 12"-wide leaves. Takes 10-12 wk for seed to flower. Grown without any other daturas, so will likely be yellow. Germ: NST. Start early inside. Zone 7a *Mabony*
- Dat4400** *Datura wrightii* SACRED DATURA, JIMSONWEED Annual. 2'-5' x 3'-6'. Summer.
2289 White flowers. Reseeds. Zone 7 *Krape*
- Dau3050** *Daucus carota* 'Dara' FLOWERING CARROT, ORNAMENTAL WILD CARROT Bien. Sun. 2-3'. Summer. Zone 2-7.
0965 Variable pink, burgundy, ivory, and white blooms. This carrot flowers the first year from direct seeding. The variable flowers add a quaint feel to gardens and bouquets. Zone 7a *Umpbrey*
- Den1000** *Dendropanax trifidus* IVY TREE Shrub/SmTree. PtSun/Shade. 10-15'. Zone 7a-10b.
0032 Source: JC Raulston Arboretum *Plant Delights*

Deschampsia - Digitalis

- Des0050** *Deschampsia cespitosa* TUFTED HAIR GRASS, TUSOCK GRASS Per. Grass. Sun. 2'; to 4' in flower. Summer.
2497 Buff flowers. Stately grass for part-shade with narrow, upright, dark green leaves; semi-evergreen. Airy panicles look great backlit by sun. Native to east coast. Zone 7b *Mackey*
- Dia0400** *Dianthus barbatus* SWEET WILLIAM Bien. Sun. 1-2 x 2'. Late Spring-Summer.
1224 Shades of pink flowers. Seed from an old cottage garden. Germ: NST. *Lockhart*
- Dia0800** *Dianthus barbatus* 'Nigrescens' Bien. Sun. 1-2 x 2'. Late Spring-Summer.
2937 Deep maroon/chocolate. A biennial or short lived perennial who's dark flowers look best alongside lighter colors or gray foliage. Zone 6a *Bittmann*
- Dia1800** *Dianthus cbtnensis* var. *beddewigii* 'Victoriana' Per.
1277 1'. Pink Shades. Zone 6a *Haas*
- Dia4650** *Dianthus japonicus* Bien. Sun. 8-10". Spring-Summer.
0592 Does well in Pittsburgh in lean dry shade of Buddleia. Zone 6 *Malocsay*
- Dia4700** *Dianthus knappii* 'Yellow Harmony' Per. Sun/PtShade. 12-18". Midsummer/Early Fall. Zone 3-9.
0592 Nosegay close-up offers subtle detail apt to be missed in the garden where it shows nicely at the feet of *Digitalis lutea/ferruginea*. Zone 6 *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*
- Dia5900** *Dianthus* 'Rainbow Loveliness' Per. Sun. 2 x 2'. Summer.
0592 1' bloomstalks above 4-6" foliage. From HPS some years back, said to be a favorite of Christopher Lloyd. Mine prefers pink/purple flowers, not much white. Greatly improved by dead-heading, which prompts new bloom at times till season's end. Spring's full flush looks good from a distance; later best close-up, picked. Zone 6 *Malocsay*
- Dia6700** *Dianthus superbus* var. *longicalycinus* SUPERB PINK Per. Sun/PtShade. 6-12 x 9-12". Summer. Zone 3-9.
0199 Purplish pink, fringed petals on 18" branched stems, August to frost. This remarkable plant was given to me 25 years ago by Barry Yinger, who collected it in Korea. Easy to grow and drought tolerant. Zone 7 *Cresson*
1607 Purplish pink blooms. Drought tolerant 18" plants have flowers with fringed petals. Blooms August to frost. My plants were grown from seed I received in the 2012-13 HPS Seed Exchange. Zone 7a *Jellinek*
- Dic5010** *Dictamnus albus* GASPLANT Per. Sun/PtShade. 2-3 x 2½'. Late Spring-Summer.
3666 White from isolated white flowering plants. 2' x 2'. Host plant for giant swallowtail butterfly. Zone 5 *McGowan*
- Dig2500** *Digitalis grandiflora* PERENNIAL FOXGLOVE, YELLOW FOXGLOVE Per. Sun/PtShade. 1-1½ x 1'; from 2-3' tall in bloom. Late Spring-Summer.
0199 Yellow flowers. The soft yellow flowers blend with almost any color. Reblooms if cut back. Zone 7 *Cresson*
0590 Pale yellow blooms. Zone 7a *Mahony*
- Dig3020** *Digitalis lamarkckii* Per. PtShade. 3'.
0592 No shy foxglove this--the full candelabra, sideshoot-willing too. Some wild bee is nuts for it. Bloom akin to ~D. lanata~ but showier. Self-sowing welcome since it is most often biennial. Germ: NST. Zone 6 *Malocsay*
- Dig3500** *Digitalis lutea* STRAW FOXGLOVE Per. PtShade. 6-12 x 12"; from 1-2' in bloom. Late Spring-Summer.
0118 Creamy Yellow blooms. Perennial to 2½'. Straw Foxglove. This native plant of southern Europe and North Africa readily makes itself at home in a garden. In early summer, the small, creamy yellow flowers crowd one side of their tall, slender stalks. A good, long-bloomer with glossy, dark green foliage. Readily self-sows. Sun/partial shade. Germ: CMS: 50 d, W, SS, SIS. Zone 5a *Stonecrop Gardens*
0592 Light yellow blooms, quiet, tall spikes of tiny bells. Does well in shade--even dry shade. This 20/21 collection may include what might be a natural cross with *D. ferruginea*. This year's secondary bloom went on piecemeal till frost. Not showy so much as of considerable interest to hummingbirds and other nectarists. Germ: NST. Steady self-sower. Zone 6 *Malocsay*
0797 Yellow flowers. Germ: BC; SIS. *Robinson*

- Dig4050** *Digitalis purpurea* FOXGLOVE Bien./Per. PtShade. 2 x 2'; from 4-6' in bloom. Early Summer.
0926 Pinkish purple, occasionally white flowers. Old-fashioned and graceful. Germ: Seeds around helpfully. *Streeter*
- Dig4150** *Digitalis purpurea* 'Alba' WHITE FOXGLOVE Bien./Per. Sun/PtShade. 2 x 2'; from 3-6' in bloom. Summer.
0797 Germ: BC; SIS. *Robinson*
- Dig4400** *Digitalis purpurea* 'Snow Thimble' HYBRID FOXGLOVE Per. PtShade. 4 x 3'. Summer. Zone 4-9.
0084 This biennial foxglove has pure white blooms in summer and reportedly comes true from seed. Source: Annie's Annuals in CA. Germ: C, NST, SIS. Zone 6b *Bowditch*
- Dio3500** *Diospyros virginiana* AMERICAN PERSIMMON Tree. Sun/PtShade. 60 x 25'. Spring.
1228 Uses: Culinary and cut flower. Great plant for wildlife. Germ: CMS: 3 months. *Labash*
- Dip1050** *Dipsacus fullonum* TEASEL Bien. Sun/PtShade. 7'. Summer-Fall.
0797 Buff-colored flowers. *Robinson*
3321 Green blooms with lilac bands. Zone 6 *Perron*
- 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. These were hand-pollinated between 2 clones. Zone 7 *Cresson*
- Dod1110** *Dodecatheon meadia* SHOOTING STAR Per. Sun/PtShade. 6 x 10"; from 16-24" in bloom. Spring.
0045 Native Primula, not the easiest to germinate, but tough and long living in the garden. Pink on white strongly reflexed flowers grow 12-20" tall. Very hardy. Germ: SS Zone 6b7a *Bartlett*
- Dra0750** *Draba arabisans* Per. Sun/PtShade. 4 x 8; to 10" in bloom. Spring.
0199 White flowers. An eastern native, ideal for rock gardens, and tolerates our summers well. Self-sows moderately, so it stays around. Zone 7 *Cresson*
- Dra2500** *Dracopis amplexicaulis* CLASPING CONEFLOWER Annual. Full Sun. 1-1/2'-2' tall. Summer.
9975 Yellow flowers. Summer blooming annual reaching 24" tall, leaves clasp the stems. A favorite of the gold finches.
Germ: SIS. *Bartram's Garden*
- Dro1000** *Drosera filiformis* var. *filiformis* THREADLEAF SUNDEW Per. Sun/PtShade. 6-8". Zone 3-8.
3645 Pink flowers. Germ: L. SS. Zone 7a *Roskoph*
- Ech0030** *Echeandia texensis* 'Loma del Potrero Cercado'
0032 Yellow orange blooms. Seed strain from plants collected originally from Loma del Potrero Cercado in Cameron Co, Texas in the Lower Rio Grande Valley. Remarkably hardy despite being from a zone 9b/10a. Germ: W, BC, NST. *Plant Delights*
- Ech0250** *Echinacea purpurea* PURPLE CONEFLOWER Per. Sun. 4 x 1'. Summer-Fall.
0507 A very attractive pink, fuller but slightly smaller than the species. Zone 7 *Kolo*
0507-B Pink. Typical coneflower, varied in color depth. Typical coneflower, but with a richer color. May be a hybrid with ~E. tennesseensis~. Zone 7 *Kolo*
1228 Uses: Cut flower and medicinal. Great for pollinators! Germ: WMS. *Labash*
1277 Mauve pink. Attracts droves of butterflies. Zone 6a *Haas*
- Ech2100** *Echinops bannaticus* 'Blue Glow' BLUE GLOBE THISTLE Per. 2'-4' x 1'-2'. Full sun. Summer. Zone 3-8.
1999 Intense steel-blue spherical flowers. Perfect perennial thistle for flower arrangers, attracts bees and butterflies, too. Ratty foliage can be cut to the ground in early fall. Requires excellent drainage over winter. Grows 3 to 4 feet tall in full sun, hardy in Zones 3 to 8. Deer and rabbit resistant. Germ: Germinates in 2 to 3 weeks when sown at 70°F. After germination, grow on at cooler temperatures. NST. Zone 8a *Norfolk Botanical staff*
- Ech3250** *Echinops ritro* GLOBE THISTLE Per. Sun. 2-4 x 1-3'. Summer, reblooms. Zone 3-9.
0507 Steel blue flowers. A long-lived and beautiful perennial. Zone 7 *Kolo*
0926 Steel blue flowers. Taller 3-4'. Good back-of-the-border plant. Not as ferocious as most thistles. Flowers dry well. Self-sows. Germ: NST. *Streeter*

Elephantopus - Eryngium

- Ele0750** *Elephantopus species* ELEPHANT'S FOOT TenPer.
9985 Zone 7a *Jenkins Arboretum*
- Els1050** *Elsoltzia stauntonii* MINT BUSH Per. Subshrub. Sun. 3-5'. Summer-Fall.
0239 Purple-pink flowers. Foliage is mint-scented. Late flowers a plus for the late summer garden. Germ: NST; BC; W; 2-3 wk. Zone 6 *Doering*
1277 Lavender flowers. Nice, little known shrub similar to caryopteris. Deadhead to prevent reseeding. Zone 6a *Haas*
- Emi2000** *Emilia coccinea* TASSEL FLOWER An. Sun. 2 x 1'; to 3' in bloom. Summer-Fall.
0592 Red. Easy. Early transplants can self-sow later flush of bloom. Charms me into serious lapse of tidytude; but can be cut back to favor fresh new growth, less rowdiness. Picks well. Germ: NST Zone 6 *Malocsay*
2515 Red flowers. See-through plant for the front of borders or middle of containers. Zone 6 *Doblmaier*
- Eng0500** *Engelmannia perstentia* ENGLEMANN'S DAISY Per. Sun. 2'. Spring-Summer. Zone 5-10.
0592 Bloomed first year from seed under lights in March. Self-reliant foliage, pleasantly informal yellow daisy and low stature make it easy to work with. Zone 6 *Malocsay*
- Enk1100** *Enkianthus campanulatus* REDVEIN ENKIANTHUS, FURIN-TSUTSUJI Shrub. Sun/PtShade. 6-10 x 4-6'. Late Spring.
Zone 4-7.
1939 Blooms bell-shaped cream with a red vein, red wine-colored seed covers in the fall. An ericaceous shrub. Nice red fall color. Germ: BH; NST. Zone 6b *Urffer*
- Enn1000** *Ennealophus euryandrus* ARGENTINE BLUE EURYANDRUS IRIS TenBulb. PtShade. 12 x 15". Spring-Summer.
0522 Blue flowers. No words can fully describe this charming iris that blooms for months in the rock garden. See Plant Delights' catalog for more details. *Kushner*
- Eri1500** *Erigeron pulchellus* Per. Sun. 4 x 6"; to 12" in bloom. Summer. Zone 2-8.
0199 Lavender-blue blooms. This form originally from Lycoming County, PA has darker-colored flowers than 'Lynnhaven Carpet'. Zone 5. Zone 7 *Cresson*
- Eri1550** *Erigeron pulchellus* 'Lynnhaven Carpet' ROBIN'S PLANTAIN, FLEABANE Per. Sun/PtShade. 3 x 6; to 10" in bloom.
Spring.
0199 White-tinted, pale lilac flowers. New cultivar named in 2007 by Cresson from plants originating along Lynnhaven River behind Virginia Beach. Dry shade to sun, weed-suppressing, ground cover. Dark green, hairy rosettes spread by runners. Pale lavender daisies in May. Very hardy Eastern woodland native. Zone 7 *Cresson*
- 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*
- 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*
- Ery0360** *Eryngium aquaticum* SWAMP ERYNGO Per. Sun. 5 x 1'. Summer.
1999 Silvery-blue, thistle-like flowers. Very architectural presence. The Xerces Society for Invertebrate Conservation rates this plant as having special value for pollinators, especially for native bees. In the wild this plant grows in bogs, marshes, and ditches. It tolerates saturated soils and periodic flooding. Prized by flower arrangers. Native to Eastern North America, it can be easily grown in average soil in Zones 6 to 8. Germ: CMS: 90 d. W, BC, RTp. Zone 8a *Norfolk Botanical staff*
- Ery3010** *Eryngium giganteum* MISS WILLMOTT'S GHOST Bien. Sun. 3 x 1'. Summer.
0592 Self-sowing biennial. Fiercely handsome in bloom; ground-level rosette nicely striated silver. Having to relocate a lone surviving second year seedling resulted in short but dramatic maturity. Striking dry arrangement solo in a pot. Germ: SIS. Zone 6 *Malocsay*

- Ery3500** *Eryngium leavenworthii* An. Sun. 3 x 3; to 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*
- Ery3600** *Eryngium pandanifolium* PANDANUS LEAF ERYNGIUM, GIANT SEA HOLLY Per. Sun/PtShade. 5 x 5'. Midsummer- Mid
Fall. Zone 7a-9b.
0032 Gray-green blooms on 5' plant. Germ: BC, SS, NST. *Plant Delights*
- Ery3750** *Eryngium planum* SEA HOLLY Per. Sun. 6 x 6"; to 30" in bloom. Summer-Fall.
0797 Small, silvery, steely blue, spikey flower heads add texture all summer. Germ: BC; W, 2-3wk; C, 3-5wk. *Robinson*
3666 Blue. 18" x 2' Zone 5 *McGowan*
- Ery5250** *Eryngium yuccifolium* RATTLESNAKE MASTER Per. Sun. 4 x 2'. Summer/Fall.
1999 White, spherical, bristle-like blooms. Very architectural plant, attracts many pollinators, especially native bees and
wasps. Foliage is decidedly yucca-like. Flowers dry well and add winter interest to the garden. Excellent cut flower. Hardy in
Zones 4 to 9. Grows to 4' tall in full sun. Consorts well with echinacea. Germ: CMS: 60 d, Soak: 1 d, Cycle: Soak seeds
overnight in warm water then cold, moist stratify for 60 d. Plants will sprout in 14-21 d when returned to 70°F. Light
enhances germination. Zone 8a *Norfolk Botanical staff*
9985 White flowers. Germ: CMS 60 d, R. Zone 7a *Jenkins Arboretum*
- Ery5300** *Eryngium yuccifolium* 'Kershaw Blue' BUTTON ERYNGO, RATTLESNAKE MASTER Sun/PtShade. 30". Late Summer.
0032 AISC-002. Green blooms. Seeds from a plant from Kershaw, SC. This is a seed strain which comes true to type. Germ:
BC, SS, NST. *Plant Delights*
- Ery5400** *Eryngium x zabellii* 'Big Blue' SEA HOLLY Per. Sun. 18-24". Summer.
0592 Blue refers to striking blue stems. Great structure. Dry arrangement interest- even long spent basal foliage. Zone 6
Malocsay
- Euo1050** *Euonymus americanus* HEARTS A BUSTIN', AMERICAN STRAWBERRY BUSH Shrub. PtShade. 6 x 5'. Spring.
0199 Small, inconspicuous, greenish yellow flowers followed by strawberry-like fruit that splits open to show 4 or 5 red-
orange seeds framed by the scarlet husk. Native understory plant. Zone 7 *Cresson*
2504 Native shrub, inconspicuous spring flowers followed by pink-red fruit that suggest strawberries, splitting when ripe
exposing orange-red seeds. Germ: Lady Bird Johnson Wildflower Center: "Seed must be stratified. Some texts say a single
stratification at 32-50 degrees for 90-120 days is appropriate. Others say double stratification is necessary ... 90 days warm
and 60 days cool." *Mills, M*
- Euo1280** *Euonymus atropurpureus* WAHOO, BURNING BUSH Shrub. Sun/PtShade. 4-6'. Summer.
9985 Zone 7a *Jenkins Arboretum*
- Eup2370** *Eupatorium* 'Phantom' JOE PYE WEED Per. Sun/Pt.Shade. 2-4 x 1-2'. Mid-Late Summer. Zone 4-8.
3397 White/pale pink flowers. Medium to wet soil. Will tolerate dry shade with timely watering. Will bloom in full shade
with white to pale pink cast flowers. Zone 6b *Egbertson*
- Eup6900** *Euphorbia marginata* SNOW-ON-THE-MOUNTAIN An. Sun/PtShade. 3'. Summer-Fall.
0592 White flowers with foliage edged white. Adds later summer freshness, good background. Self-sows in Pittsburgh.
Transplants readily. Germ: NST. Zone 6 *Malocsay*
- 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*
- 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 ~*Euonymus carnosus*~. Germ: CMS, Scfy. *Kushner*
- Eut0550** *Eutrochium purpureum* JOE PYE WEED Per. Sun/PtShade. 6-7 x 3'. Summer-Fall.
0200 Purple-rose flowers attract butterflies. Native Plant Zone 7 *Creveling*

Eutrochium - Geranium

- 3540 Germ: CMS: 90 d Zone 7 *Rifici*
- Eut0555 *Eutrochium purpureum* 'Bartered Bride' JOY-PYE WEED Per. 6'-10'. Full sun-partial shade. Summer. Zone 3-9.
0200 White flowers. Zone 7 *Creveling*
- Fag1000 *Fagus grandifolia* AMERICAN BEECH Tree. Sun. 50-70 x 50-70'. Spring.
0522 Native to the eastern US. *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 gasparriniana* var. *laceratifolia*
3436 Part sun, Hardy in 7-B. Have not tried this outdoors. Germ: NST. Zone 7a *Silberstein*
- Foe1250 *Foeniculum vulgare* FENNEL Per. Sun. 5-6½'. Summer-Fall.
1228 Uses: Culinary, medicinal, and cut flower. Great for butterflies. Germ: WMS. *Labash*
- Fra1000 *Frangula caroliniana* CAROLINA BUCKTHORN Shrub. Sun/PtShade. 10-15 x 10-15'. Spring. Zone 5-9.
3561 Underappreciated understory tree with smooth gray bark, glossy leaves with bold veins, and red berries ripening to black. Germ: CMS; 112 days. BH: 56 days. D. *Gorman*
- Fri2120 *Fritillaria messanensis* ssp. *gracilis*
0032 Source: NARGS *Plant Delights*
- Fri3500 *Fritillaria verticillata* PerBulb. Sun/Pt.Shade. 2'. Spring Zone 6-8.
0032 Bell-shaped white flowers checkered green or brown. *Plant Delights*
- Fuc1800 *Fuchsia regia* 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. Zone 7 *Cresson*
- Gal2010 *Galtonia candicans* Bulb. Sun. 2-3'; to 4 or 5' in bloom. Summer.
1017 Creamy white blooms. Hardy summer-flowering 30-42" bulb. Tropical appearance, but completely hardy. Zone 5b *Whitesell*
- Gal2250 *Galtonia viridiflora* TenBulb. Sun. 2-3'. Late Summer.
0045 Green flowers. A hardy South African bulb in the Hyacinth family. A perennial bulb to 2' tall. Flowers May to June. Germ: NST; Use chicken "grower's grit" to stabilize and protect the seed. Time: up to 90 days. Zone 6b7a *Bartlett*
- Gel1000 *Gelasine coerulea* PWS form
0032 Source: Plant World Seeds *Plant Delights*
- Gel1050 *Gelasine elongata* GELASINE Per. Sun/PtShade. 2'. Early Summer.
1999 Bright intense blue, iris-like blossoms. South American iris has pleated, gray-green foliage and striking blue or violet flowers from late April thru June. Easy to grow and pest free, it is hardy from Zone 7 thru 10. Inflated seed pods add interest to the plant. Germ: Soak: 24 hr. Soak in warm water for 24 hr then sow at 70°F for germination in 4-6 wk. W. Zone 8a *Norfolk Botanical staff*
- Gen0500 *Gentiana andrewsii* BOTTLE GENTIAN, CLOSED GENTIAN Per. Sun/Pt.Shade. 2' Summer-Fall.
0199 Blue flowers. A treasured wildflower for partial shade in moist well drained soil. Zone 7 *Cresson*
1607 Dark blue flowers. I haven't started this one from seed, but CMS 60 d is recommended. Germ: CMS 60 d. Zone 7a *Jellinek*
2504 Rich blue blooms. Damp sunny location; will grow in ordinary conditions if not allowed to dry out. Germ: SR. Have had success with fall surface sowing in situ. *Mills, M*
9985 Blue flowers. Germ: CMS 90 d, R, SS. Zone 7a *Jenkins Arboretum*
- Ger2500 *Geranium maculatum* 'Espresso' PtShade. 18".
0199 Pink flowers, purple foliage. Seed from a seedling with extra dark foliage color. Zone 7 *Cresson*

- Ger3980 *Geranium pratense* var. *striatum* 'Splish Splash'
2515 Violet-speckled pure white flowers. Zone 6 *Doblmaier*
- Gin1000 *Ginkgo biloba* 'Variegated'
0032 *Plant Delights*
- Gla0090 *Gladiolus* 'Boone' PerBulb. Sun. 3'. Summer.
0592 Yellow, shading into peach, quite variable blooms. Called 'Boone' by HPS some years back. Hardy in Pittsburgh, though I take some in to be sure. Picking prompts smaller scapes lower down. Cormlets should bloom in two years. Zone 6 *Malocsay*
- Gla0450 *Gladiolus* 'Carolina Primrose' Bulb. Sun. 24-36 x 6-9". Midsummer. Zone 7a-10b.
0199 Soft yellow blooms. Found on an old home-site in NC, the origin/ID of this are debatable. Probably an old hybrid of the African ~*G. dalenii*~, also known as ~*G.~ x ~gandavense~*. Soft yellow flowers midsummer go with every color! Prolific and hardy in my garden for years, 3' tall. Zone 7 *Cresson*
- Gla0500 *Gladiolus commutis* 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*
- Gla0845 *Gladiolus murielae* SWORD LILY, PEACOCK ORCHID, ABYSSINIAN GLADIOLUS TenCorm. Sun. 3-4'. Late Summer-Fall.
0592 Lightly fragrant white blooms with purple patches inside. Foliage upstages flowers dramatically. Scapes continue developing bloom in a vase. Cormlets provided should bloom in two years. Zone 6 *Malocsay*
- Gla0950 *Gladiolus* 'Purple Prince' PURPLE PRINCE HARDY GLADIOLUS Per. Sun. 48 x 6". Summer. Zone 7b-10.
0507 Rich purple blooms. Genuinely hardy. Zone 7 *Kolo*
- Gla1050 *Glauctum flavum* HORNED POPPY Per. Sun. ½ x 1-2'; to 1" in bloom. Summer.
0627 *McShane*
1999 Clear yellow flowers. Stunning evergreen rosettes of glaucous blue-grey foliage are the perfect foil to the clear yellow flowers. Thrives in lean, dry soil, on slopes or in rock or gravel gardens. Germ: CMS for 30 days, then sow at 70°F for germination in 21 days. Use deep containers to avoid disturbing the tap root. RTP. Zone 8a *Norfolk Botanical staff*
9968 Yellow flowers. Deeply cut silver-gray foliage with undulate margins makes 18" mounds. Yellow poppy-like flowers late May through June. Full sun, poor and dry soils. Germ: CMS: 14 days. Maximum germination time: 28 days. Zone 7a *Roper*
- Gla1070 *Glauctum flavum x grandiflorum* HORNED POPPY Bien. 3'. Full sun-partial shade. Summer.
9968 Orange-yellow flower. Biennial to short-lived perennial. Full sun, poor and dry soils. Summer flowering. 1.5' T. 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*
- Gom1080 *Gomphrena species* GLOBE AMARANTH
0590 Purple flowers. Up to 18-24" tall in flower. Zone 7a *Mabony*
- Gos0050 *Gossypium herbaceum* LEVANT COTTON An./TenPer. Sun. 2-2½ x 1½'. 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 *Mabony*
- Gos0150 *Gossypium hirsutum* 'Red Foliated' RED-FOLIATED COTTON An. Sun. 3-5'. Summer.
2515 Pink flowers. Leaves, flower buds and stems are reddish-tinged. Interesting accent plant, especially after flowering when the cotton emerges. Zone 6 *Doblmaier*
- Gym1550 *Gymnaster savatieri* 'Edo Murasaki' FALSE ASTER Perennial. Pt. Sun/Pt. Shade. 15" x 12". Spring/Summer.
0199 Lavender-blue flowers. Unexpectedly bright "blue" daisy flowers early in the season that repeat intermittently through summer. Glossy dark green foliage. From Japan. Zone 7 *Cresson*
- Hab2250 *Habranthus* 'Jumbo Purple' RAIN LILY Ten. Bulb. 12". Late Spring-Summer.
0522 Pink petals with a purple center. The largest rainlily I grow. 4" across. Source: Edens Blooms. *Kushner*

Habranthus - Helleborus

- Hab2500** *Habranthus robustus* PINK RAIN LILY TenBulb. Sun/PtShade. 1'. Summer. Zone 8a-10b.
1999 Pink blooms through summer, especially after rain. Reliable, vigorous clumper will perform well in full sun or part shade. Germ: BC, NST, 14 d. Sow upon receipt--viability lessons over time. Zone 8a *Norfolk Botanical staff*
- Hab2750** *Habranthus tubispatus* RAIN LILY TenBulb. Sun. 6 x 3"; to 8" in bloom. Summer.
1999 Yellow flowers with burnt orange streaks. Native to Texas and Florida, bulbs bloom after drenching summer and fall rains. Very showy when planted in groups. Hardy in Zones 7a to 10b. Germ: Sow immediately upon receipt. W, BC. Zone 8a *Norfolk Botanical staff*
- Hal2100** *Halestia diptera* (Magniflora Group) SILVERBELL Tree. Sun/PtShade. 30-40'. Spring.
0032 Source: Wilcox Co, Al *Plant Delights*
- Hel0150** *Helentium autumnale* SNEEZEWEED Per. Sun/PtShade. 3-5 x 1½'. Fall.
0200 Yellow/orange flowers. Nice late bloomer. Zone 7 *Creveling*
- Hel1400** *Helianthus giganteus* GIANT SUNFLOWER Per. Sun. 10 x 1'. Summer/Fall.
0199 Light lemon yellow flowers. Clusters of daisy-like flowers on tall stems in September. Perfect for moist meadow or back of border to follow summer composites. Loved by goldfinches. Better behaved than 'Lemon Queen', not expanding by rhizomes. Zone 7 *Cresson*
- Hel1600** *Helianthus grosseserratus* Per. Sun/PtShade. 15 x 4'. Fall.
0199 Bright yellow, October bloom. Reputedly can reach an amazing 15-20'. Branched clusters of daisies 2-3" diameter. Perfect in a moist meadow among tall perennials or as a garden statement. This form originated in a ditch in Mississippi. A goldfinch favorite, making this seed difficult to collect for you! Zone 7 *Cresson*
- Hel1800** *Helianthus maxmiliani* PRAIRIE SUNFLOWER Per. Sun. 4-10 x 3-4'. Fall. Zone 4-10.
0199 Bright yellow daisies atop stalks with narrow foliage. Sept-Oct. Zone 7 *Cresson*
- Hel1950** *Helianthus* 'Sunshine Daydream' SUNFLOWER Per. 5'-6' x 2'-4'. Yellow flowers in July/Aug Zone 4-8.
0592 Flowers double, yellow, nectar source. Foliage netted gold early, later green. I don't correct its splay. Self-sown foliage variegation holds so far. Zone 6 *Malocsay*
- Hel4170** *Heliopsis helianthoides* var. *scabra* PERENNIAL SUNFLOWER Per. Sun. 3 x 2'. Summer-Fall.
1228 Uses: Cut flower. Bee and Butterflies like it. Germ: WMS. *Labash*
- Hel4200** *Heliopsis helianthoides* var. *scabra* 'Sommersonne' OXEYE Per. Sun. 3 x 2'. Summer-Fall.
3397 Yellow flowers. 36-48" tall, long mid-summer bloom, sow/plant in a clump of 5-8 starts, benefits from staking, tolerates wet clay, prefers >4 hr sun. Seeds older than 1 year may not germinate readily. Can germinate thickly and separate starts for repotting easily. Germ: BC, BH, NST. Zone 6b *Egbertson*
- Hel5350** *Helleborus foetidus* Per. Sun/PtShade. 2½ x 1½'. Winter-Spring.
3321 Yellow-green blooms. Germ: Soak: 1 d; R. Has been moist-packed in vermiculite at room temperature. Cool outside or in refrigerator after planting to germinate. Zone 6 *Perron*
- Hel5460** *Helleborus foetidus* *Krenitsky Strain*
0032 Source: Tom Krenitsky *Plant Delights*
- Hel5465** *Helleborus foetidus* 'Leather and Lace'
0032 (Krenitsky Strain ex) *Plant Delights*
- Hel6000** *Helleborus x hybridus* Per. PtShade. 1½ x 1½'. Winter-Spring.
0507 Best White Zone 7 *Kolo*
1181 Various colored flowers. Parent plants are pink and white, but seeds do not produce "true" replicas of parents. Germ: BC; SIS; Direct sow in early Spring. *Cyphers*
3321 Mixed green, white, purple, and pink blooms. Great early Spring flowering for 3 mo. Packed in moist vermiculite. Germ: CMS: 90 d, Soak: 2 d, R. Zone 6 *Perron*
- Hel6010** *Helleborus x hybridus* (Ashwood Gardens Hybrids- blacks) Per. Shade/PtShade. 1½ x 1½'. Winter-Spring
3001 Moist packed seed. Second generation seed from Ashwood Nursery UK. Germ: CMS 1-2 months. Zone 7 *Gregg*

- Hel6030 *Helleborus x hybridus* (Ashwood Garden Hybrids- frosted) Per. Shade/Pt.Shade. 1½ x 1½'. Winter-Spring Zone 4-9.
3001 Moist packed seed. Germ: CMS 1-2 months. Zone 7 Gregg
- Hel6040 *Helleborus x hybridus* (Ashwood Gardens Hybrids- neon) Per. Shade/Pt.Shade. 1½ x 1½'. Winter-Spring Zone 4-9.
3001 Moist packed seed. Second generation from Ashwood Nursery UK. Germ: CMS 1-2 months Zone 7 Gregg
- Hel6050 *Helleborus hybridus* (Ashwood Garden Hybrids - veined picotee) Per. Shade/Pt.Shade. 1½ x 1½'. Winter-Spring Zone 4-9.
3001 Moist packed seeds. Germ: CMS 1-2 months. Zone 7 Gregg
- Hel6400 *Helleborus x hybridus* (mixed colors) Per. PtShade. 1 x 1½'. Winter-Spring.
3001 Mixed flower colors. Seed is moist packed. Germ: CMS: 1-2 months. Zone 7 Gregg
- Hel6450 *Helleborus x hybridus* (mixed doubles) LENTEN ROSE Per. 1'-2'. Shade. Spring.
3001 Mixed flower colors. Seed is moist packed. Germ: CMS: 1-2 months. Zone 7 Gregg
- Hel6850 *Helleborus x hybridus* (red, bright/bowl-shaped) Per. PtShade. 1 x 1½'. Winter-Spring.
0199 Bowl-shaped bright red flowers. Particularly attractive flowers that almost glow with an especially lovely compact plant habit. Zone 7 Cresson
- Hel7200 *Helleborus x hybridus* (white, large) Per. PtShade. 1½ x 1½'. Winter-Spring.
0199 White. A seedling from German breeder Gisela Schmeiman with particularly large, pure white flowers and buds shaped like roses. 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
- Hel7350 *Helleborus x hybridus* (yellow) Per. PtShade. 1½ x 1½'. Winter-Spring.
3001 Yellow flowers. Germ: 1-2 Months Cold cycle. Zone 7 Gregg
- Hel7550 *Helleborus x hybridus* 'Sea Green' LENTEN ROSE Per. PtSun/PtShade. 12 x 18". Early Spring. Zone 4-9.
0199 Green blooms. Per. PtSun/PtShade. 12 x 18". Early Spring. I will only say that this plant is a seedling in my garden, noteworthy for the intriguing sea-green color of the flowers and how they combine with the foliage, in a way I can't explain. Subtle and enchanting, drawing my eyes each year. Who knows what you will get? Zone 7 Cresson
- Hel7650 *Helleborus lividus* MAJORCAN HELLEBORE TenPer, z7b. PtShade. 8-12 x 24". Winter-Spring.
0032 Cream to green flowers with pink markings. *Plant Delights*
- 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
- 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
- Hem0050 *Hemerocallis altissima* Per. Sun/PtShade. 5'. Midsummer/Fall.
0507 Butter yellow gold flowers. Tall and floriferous. Zone 7 Kolo
- Hem2450 *Hemerocallis hybrid* HYBRID DAYLILIES Per. Sun. 2-3 x 2'. Summer.
0507 Diploid hybrid. Mix of small, mostly gold and yellow, diploid hybrids. A vigorous plant, long blooming with nice-looking, 2", well-formed trumpets, various heights. Zone 7 Kolo

Hemerocallis - Hibiscus

- Hem2850** *Hemerocallis middendorffii* DAYLILY Per. Sun. 15 x 18; to 30" in bloom. Summer.
0507 Gold flowers. Nice species daylily with small, beautifully formed trumpets. Deadhead daily in the morning for best display. I sometimes confuse it with ~*H. longituba*~ but I'm almost certain this is the correct name. They are in close proximity and labels long gone. Of the two plants, this is the more vigorous. Zone 7 *Kolo*
- Hem3650** *Hemerocallis* 'September Sun' DAYLILY Per.
0200 Yellow daylily flowers. Parent is a 6', very late-blooming daylily (August-October). Germ: D; SR. Zone 7 *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*
- Hem5510** *Hemerocallis Mixed Hybrids* DAYLILY Per. Sun. 1½' x 2'. Summer.
0507 Seed from good old diploid cultivars. Zone 7 *Kolo*
- Heu1050** *Heuchera americana* 'Dale's Strain' Per. PtShade. 10 x 12"; to 1½' in bloom. Early Summer.
1277 Off-white flowers. Lovely variable leaf, veined in silver. Not a favorite of deer. Zone 6a *Haas*
2497 Creamy flowers with a pinkish tint. East coast native. Small mounds of dark green foliage with marbled overlay of silver and deep red. Lovely groundcover for shade. Zone 7b *Mackey*
3397 Tiny, pink, inconspicuous flowers produce tiny black seeds. Nicely variegated leaves, light green/silvery dark green. Nice ground cover for deep shade. Tolerates wet to dry soils but needs water in drought. Very easy to germinate and transplant. Zone 6b *Egbertson*
- Heu2850** *Heuchera villosa* 'Autumn Bride' Per. Sun/PtShade. 1½ x 1'; to 2½' in bloom. Summer.
0239 Zone 6 *Doering*
- Heu2890** *Heuchera villosa* 'Palace Purple' Per. Sun/PtShade. 1½ x 1'; to 2' in bloom. Late Summer-Fall.
1277 White flowers. Old standard, but still one of the best. Zone 6a *Haas*
- Heu2900** *Heuchera villosa* 'Purpurea' NATIVE CORAL BELLS Per. PtShade. 1 x 1'. Summer-Fall.
0318 Creamy, off-white flower. Takes drought well. *Garnett*
- Hib0300** *Hibiscus cocctneus* SWAMP HIBISCUS, SCARLET MALLOWS Per. Sun. 5-10 x 3-4'. Summer-Fall. Zone 6a-9b.
1999 Red, large, 6" diameter flowers. Can take wet soil. Attracts hummingbirds. Zone 8a *Norfolk Botanical staff*
2504 Clear red flowers in August-September, with fully segmented petals on hardy, herbaceous plant. Germ: NST. Sow in spring. *Mills, M*
3645 Red blooms. Germ: Scfy, BH, W, NST. Zone 7a *Roskoph*
- Hib0350** *Hibiscus cocctneus* 'Albus' 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. *Mills, M*
2515 Lovely, white-flowered form of the straight species. Germ: NST. Zone 6 *Doblmaier*
- Hib1300** *Hibiscus* 'Lady Baltimore' Per. Sun. 5x5'. Summer.
0200 Pink with dark eye. Zone 7 *Creveling*
- Hib1500** *Hibiscus laevis* HALBERD-LEAF ROSE MALLOWS Perennial. Full Sun. 4'-6' tall. Late Summer.
9975 Creamy-white to pink flowers. Flowers appear from mid-summer into fall, prefers full sun reaching up to 6' T and 3' W. Germ: D; W; NST; 14-20 days germination time. *Bartram's Garden*
- Hib2000** *Hibiscus moscheutos* PINK ROSE-MALLOWS Per. Sun. 5+' Late Summer.
0239 White flowers--despite name! Tall, handsome, white-flowered form of mallow for the back of garden. Germ: W; BC; NST. Zone 6 *Doering*
0507 Zone 7 *Kolo*
9985 Pink or white blooms. Attracts hummingbirds. Germ: Scfy. We winter sow ours, but cold period not required. Zone 7a *Jenkins Arboretum*

- Hib2500** *Hibiscus sabdariffa* ROSELLE, JAMAICAN SORREL TenPer. Sun. 4-6'. Mid Fall.
1999 Pass-along annual plant sports yellow blooms with dark burgundy centers, red stems and lobed leaves. Prefers full sun, average moisture and grows to 5 feet tall. The edible calyces are used to make jams, sauces, and teas. Germ: Soak in warm water overnight, then sow at 75-80°F. Expect germination in 7 to 14 days. A heating mat will speed things up. BH. NST. Zone 8a *Norfolk Botanical staff*
- 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 6 *Malocsay*
0797 Small pale yellow flowers, almost white, with deep wine throat and lacy foliage. Good weaver for pots or border. Self-sows modestly. Germ: BC. *Robinson*
2504 Low-growing, sprawling mallow. White flowers with purple throat, late summer, lasting 2-3 hours; plant where you'll see it in the morning, because flowers close by noon. Germ: NST, sow in situ. *Mills, M*
- Hib2900** *Hibiscus trionum* 'Simply Love' FLOWER OF THE HOUR An. 24-36 x 12-18". Sun. Summer.
0065 Pale yellow flowers. Annual that reseeds. Germ: SIS. *Berger*
- 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*
- Hor0300** *Hordeum jubatum* FOXTAIL BARLEY GRASS, SQUIRREL-TAIL GRASS Perennial. Full Sun. 1'-2' tall.
1999 Silky bristles start off a dusty coppery pink, then, at maturity fade to a buff color. Native, salt-tolerant cool season grass is very ornamental. Provides forage for birds. Low growing and dislikes competition from taller perennials. Germ: CMS for 60 days at 40°F, then surface sow. Seed requires moisture to germinate; SS; C; SIS; Can be sown in autumn in situ. Zone 8a *Norfolk Botanical staff*
- Hos1300** *Hosta kikuttii* 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*
- Hyd1450** *Hydrangea arborescens* subsp. *radiata* SMOOTH HYDRANGEA Shrub. PtShade. 5-6 x 6-8'. Summer.
0199 White flowers. A desirable but scarce subspecies distinguished by felted, gray, stellate hairs beneath the leaves that give a silvery appearance. Lacecap flower heads. Toughness of the species. Gift of Josephine Henry who collected it on Wolf Mountain, NC. Zone 7 *Cresson*
- Hyd1650** *Hydrangea aspera* 'Mauvette' Shrub. Sun/PtShade. 10 x 10'. Summer.
0199 More deeply lavender than 'Macrophylla'. In the Villosa Group of ~H. aspera~ with smaller leaves, but still dramatic. Zone 7 *Cresson*
- Hyd1750** *Hydrangea aspera* subsp. *sargentiana* Shrub. PtShade/Shade. 10 x 7'. Summer-Fall.
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*
- Hyd2500** *Hydrangea birta* Shrub. PtShade/Shade. 4'. Late Spring/Early Summer.
3001 All fertile, white blossoms. Dark green leaves, deeply incised. Mixes well with ~H. arborescens~ in the woodland garden. Germ: W; L, SS, 21 d. Germinate "under glass". Zone 7 *Gregg*
- Hyd3670** *Hydrangea quercifolia* 'Ruby Slippers' OAKLEAF HYDRANGEA Shrub. Sun/PtShade. 3-4' x 3-5'. Summer. Zone 5-9.
1277 White blossoms. The Dept. of Agriculture, which hybridized this short cultivar, encourages gardeners to grow the seed and report the results back to them. Sow the seed on peat moss in a flat on a heat mat in mid-March, do not cover. They sprout like grass and grow on well. This cultivar has outstanding fall color and grows to just 3-4'. Germ: L. Zone 6a *Haas*

Hydrangea - Illicium

- Hyd5000** *Hydrangea sikokiana* Shrub. PtShade/Shade. 4-6'. Late Spring-Early Summer.
3001 Large white lacecap inflorescence. Japanese woodland hydrangea, limited distribution. Requires supplemental water during dry periods. Germ: W; L, SS. Germinate "under glass". Zone 7 *Gregg*
- Hyp1350** *Hypericum henryi* subsp. *henryi* ST. JOHN'S WORT Sun/PtShade. 4 x 5'. Summer/Fall.
0199 Bright yellow flowers. Large flowers similar to 'Hidcote', but with a taller, graceful, upright, arching habit. Repeats. Admired in England, should be more popular here. Zone 7 *Cresson*
- Hyp1850** *Hypericum latsepalum* Shrub. Sun. 5-6 x 5-6'. Summer. Zone 4-8.
0199 Bright yellow flowers. Rare and spectacular arching shrub with large 2" flowers for over a month making it the most spectacular hypericum here and the rarest. Suffers in hard winters. My plant from seed collected by National Arboretum in Yunnan Province, China as SABE 24A. Zone 7 *Cresson*
- Ibe1050** *Iberis sempervirens* EVERGREEN CANDYTUFT Per. Sun/PtShade. 1 x 2'; Spring.
3666 White. 2' x 2'. Zone 5 *McGowan*
- Ide2010** *Idesia polycarpa* Tree. Sun/PtShade. 40 x 40'. Summer.
1999 Small yellowish-green fragrant flowers blooms. Dioecious, fast-growing Asian tree noted for its large, 10" cordate leaves, fragrant yellow-green flowers in panicles in June, followed by clusters of small red berries in autumn and winter. The Igiri Tree is hardy zones 5 to 9. Good choice for the south because it actually prefers heat and humidity. Germ: Cycle: Soak seeds overnight in warm water then cold, moist stratify for 30 d; germination commences when seeds are returned to 70°F in 21 d. Zone 8a *Norfolk Botanical staff*
- 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. *Kushner*
- Ile1020** *Ilex serrata* 'Longwood Firefall' FINETOOTH HOLLY Shrub. 6'-8'. Full sun-partial shade. Early summer.
3001 White flowers. Seed from plant probably crossed with *verticillata* 'Apollo'. Seedlings can grow to plants smaller, more layered, or upright, 4-6'. Red berried in fall. Easy to germinate and high seed viability. Germ: WMS two weeks, CMS one month, return to room temperature, to germinate in 2-3 weeks. Zone 7 *Gregg*
- Ile1050** *Ilex verticillata* WINTERBERRY Shrub. Sun/PtShade. 10-15 x 10-15'. Spring. Zone 3-9.
1939 Bright red fruit. Germ: BH; SIS; SR. Zone 6b *Urffer*
- Ile1400** *Ilex verticillata* 'Red Sprite' WINTERBERRY Shrub. Sun/PtShade. 3-5 x 3-5'. Spring. Zone 3-9.
1277 White flowers on 3 x 3' holly with large red berries in fall. Zone 6a *Haas*
- III1000** *Illicium anisatum* JAPANESE ANISE-TREE Tree. PtShade. 10-15 x 8-15'. Summer. Zone 8-10.
0199 Creamy white flowers. This deer resistant evergreen shrub has become a small tree and proven amazingly hardy here, never winter burning in 25 years. Also very floriferous. Zone 7 *Cresson*
- III1500** *Illicium floridanum* FLORIDA ANISE-TREE Shrub. Pt/Full Shade. 6-10'. Zone 7-10.
1277 Zone 6a *Haas*
2504 Evergreen shrub for semi-shade or shade (winter shade recommended), not dry soil. Maroon, many-spoked flower in spring; bruised leaves very aromatic; seed pod looks like star anise but is NOT edible. Germ: Have had occasional volunteer seedlings, but cannot know if seeds underwent more than one winter of stratification. Suggest sowing outdoors immediately on receipt. *Mills, M*
- III1510** *Illicium floridanum, compact form* FLORIDA ANISE-TREE Zone 7-10.
2504 Evergreen shrub for semi-shade or shade (winter shade recommended), not dry soil. Maroon, many-spoked flower in spring; bruised leaves very aromatic; seed pod looks like star anise but is NOT edible. Unlike typical *I. floridanum*, which can sprawl, this forms a fine compact conical shape; prune out competing leaders to get best shape. Germ: Have had occasional volunteer seedlings, but cannot know if seeds underwent more than one winter of stratification. Suggest sowing outdoors immediately on receipt. *Mills, M*
- III1700** *Illicium henryi* CHINESE ANISE TREE Shrub. 6'-8'. Partial sun-partial shade. Spring. Zone 7-9.
0199 Tangerine-orange flowers. This deer resistant evergreen shrub is a good substitute for rhododendrons, or where you need screen. Zone 7 *Cresson*

- Ill2000** *Illicium mexicanum x floridanum album* 'Woodland Ruby' PINK 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*
- Imp1050** *Impatiens balfourii* An. PtShade. 3 x 2'. Summer-Fall. Zone 9-11.
1580 Pink and white flowers. Self seeds once established forming lovely sweeps that weave through the garden. Loved by hummingbirds and other pollinators. Germ: BC. NST. SIS. Zone 6-7 *Romenesko*
- 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 7a *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 7a *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 7a *Silberstein*
- Ind1400** *Indigofera amblyantha* Shrub. Sun/PtSun. 4-6 x 6-8'. Spring-Summer-Fall.
0239 Good, delicate pink flowers for most of summer and into fall. Graceful unusual shrub. Germ: Soak 1 d; W; BC; 21 d. 190° F water produced best results. SIS. Zone 6 *Doering*
- Ind2100** *Indigofera pseudotinctoria* 'Rose Carpet' DWARF FALSE INDIGO Shrub. Sun/PtShade. 1 x 1½'. Summer.
1277 Pink flowers. Zone 6a *Haas*
- Inu2370** *Inula belentum* ELECAMPANE Per. Sun. 1 x 1-2'; from 5-8' in bloom. Spring-Summer.
0199 Yellow flowers. This bold European daisy has large basal leaves and blooms early summer, unlike our later blooming native daisies. Grows in my meadow but is also good at back of border. Zone 7 *Cresson*
2517 Yellow 2" flowers with many rays. European daisy with large, green basal leaves. Perennial herb blooming Spring-Summer. Germ: NST; SS. Zone 7 *Weaver*
3321 Yellow flowers. A sun lover. Germ: W, SS, NST, 90 d. Zone 6 *Perron*
- Ion1000** *Ionactis lnartifolius* Per. Sun/PtShade. 2 x 1'. Late Fall.
0199 Blue. Good drainage, even sandy. Drought tolerant. Excellent for planting in wall to cascade out. Pinch midsummer for branching. Many narrow leaves along stem. Zone 7 *Cresson*
- Ipo2350** *Ipomoea lobata* SPANISH FLAG An. Vine. Sun. 15-20'. Summer/Fall.
0200 red-orange-yellow-white slender tubular flowers Zone 7 *Creveling*
0592 Peculiar tubular blooms, not trumpets. Red shading through orange to yellow--on show day and night. Designed for moths, though hymenoptera do their best. Hummingbirds fiercely possessive. Supplemental water makes for huge coverage needing steady support. Ratty by September, even as bloomshow makes it impossible to take down. Seems to tolerate light frost. Picks very well. Zone 6 *Malocsay*
- Ipo3700** *Ipomoea tricolor* MORNING GLORY An. Vine.
1020 Dark blue with white stripes blooms. Easy from seed. From 2016-17 Seed Exchange. Germ: Scfy; Soak in warm water for 12 hr after nicking seed. Sow inside early or in situ. Germ: Scfy, Soak, SIS. Zone 7 *Wiedorn*
- Ipo5010** *Ipomopsts rubra* STANDING CYPRESS, SCARLET GILIA, SKYROCKET An./Bien. Sun/PtShade. 6" spread; 2-3' in bloom. Spring-Summer.
3645 Red flowers. Zone 7a *Roskoph*
- Iri1000** *Iris dichotoma* VESPER IRIS Per. Sun. 3-4'. Late Summer. Zone 6-10.
0045 Blue/purple blooms. Easy, light-textured iris with fleeting flowers in the afternoon, hence "Vesper" Iris. Germ: Sow with ground grit; Time: Maximum 90 days. Zone 6b7a *Bartlett*
- Iri1050** *Iris domestica* BLACKBERRY LILY LEOPARD LILY Per. Sun/PtShade. 1½-3 x 1-4'; from 2-4' in bloom. Summer. Zone 4-10.
0522 *Kushner*
1228 Uses: Medicinal and cut flower. Germ: WMS. *Labash*

Iris - Juncus

1999 Deep orange with reddish-brown freckles. Architectural drought-tolerant, rhizomatous perennial native to Asia grown for its captivating orange flowers peppered with red spots and clusters of shiny black seedpods, which resemble blackberries. Useful in fresh or dried arrangements. Attracts butterflies and bees. Germ: CMS for 60 days, then sow at 70°F. Expect germination in 30 to 40 days. Zone 8a *Norfolk Botanical staff*

2289 Speckled orange blooms. Will self-sow a bit. Non-native, but not considered invasive by Cornell University and the University of Florida. Germ: CMS: 14 d. W, D, 40 d. Seeds can be planted outside about 2" deep before the ground is frozen. One Internet site lists these perennials as hardy in zones 8-10, but they have survived and spread nicely in my zone 7 garden. Takes several years to form a nice clump, but worth the wait. Zone 7 *Krape*

Iri1060 *Iris domestica* 'Hello Yellow' YELLOW BLACKBERRY LILY Per. Sun/PtShade. 1 x 1'. Summer.

0522 Lovely, clear yellow flowers. *Kushner*

1999 Unspotted, clear yellow star-shaped flowers. Dwarf (to 18 inches) Blackberry Lily with clear yellow, unspotted flowers. Same shiny black seedpods as *Iris domestica*. Germ: CMS for 60 days, then sow at 70°F, to germinate in 14 to 21 days. Zone 8a *Norfolk Botanical staff*

Iri1070 *Iris domestica* hybrid

0045 Red-orange flowers. Easy Iris species. Used to be called Belamcanda (but those Taxonomists...) Germ: NST. Zone 6b7a *Bartlett*

Iri1750 *Iris ensata* (white, single) Per. Sun. 3'. Summer.

0199 Pure white, single, flat flowers. Prefers moist soil. Zone 7 *Cresson*

Iri2100 *Iris foetidissima* STINKING GLADWYN Per. Sun/PtShade. 3'. Summer.

0199 Pale lavender in May. Primary feature is the pods, which open in October and November to display bright orange seeds. Evergreen foliage. Likes dry shade! Zone 7 *Cresson*

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.

0199 Purple and violet flowers. A dwarf spuria iris with attractive veining on flowers. Blooms in May. Fruity scent. Native to Europe. Zone 7 *Cresson*

Iri5750 *Iris sintentisii* DWARF SPURIA IRIS Per. Sun/PtShade. 8-12 x 12". Spring.

0199 Blue flowers. Looks like a miniature Siberian iris. Zone 7 *Cresson*

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

0045 Blue or white flowers. An easy, effective Iris species. Large flowers in May. Germ: NST; Zone 6b7a *Bartlett*

0199 Purple flowers. Drought tolerant and good for foliage and flowers. Zone 7 *Cresson*

0590 Lavender and white blooms. Bloomed 2nd year from seed. Great foliage texture and somewhat weeping habit. Zone 7a *Mabony*

Iri6400 *Iris tectorum* 'Alba' JAPANESE ROOF IRIS Per. Sun/PtShade. 12 x 12". Spring.

0199 White flowers. This tough elegant low iris is perfect for above a wall or among rocks. Flowers in May, great foliage all summer. Zone 7 *Cresson*

Iri6600 *Iris versicolor* BLUE FLAG Per. Sun/PtShade. 3 x 1½'. Summer.

3645 Lavender flowers. Zone 7a *Roskoph*

Ite1600 *Itea virginica* 'Merlot' MERLOT SWEETSPIRE Shrub. Sun/Pt.Shade. 3 x 4'. Summer Zone 5-9.

3397 White flowers. Nice fall color, reds and oranges. In my garden, has stayed ~ 2 ½ ft tall for several years. Zone 6b *Egbertson*

Jun1000 *Juncus effusus* f. *spiralis* SPIRAL SOFT RUSH Per. Sun. 12-18 x 12-18" Moist to wet soil. Zone 4-9.

0592 Foliage interest. Pot in my small pond sows around nearby, in tight spots where it toughs it out small. Sows mostly twisty. Pot in pond spays out 2 feet high. I remove stray reversions to straight leaf. Germ: NST. Zone 6 *Malocsay*

- Kal1050** *Kalimeris incisa* BLUE STAR ASTER Per. Sun/PtShade. 2 x 1'. Late Summer-Fall.
0239 Lavender blooms through most of summer into early fall. Very dependable and ornamental for a long time! Germ: CMS; BH; BC. Zone 6 *Doering*
- Kal1350** *Kalmia latifolia* MOUNTAIN LAUREL Shrub. PtShade. 5-15 x 5-15'. Spring. Zone 4-9.
1939 Light pink blooms from May to June. Germ: BH. Seed with peat and lights. Plants prefer excellent drainage, acid soils, and (some) winter shade. Zone 6b *Urffer*
- Kir1100** *Kirengeshoma palmata* YELLOW WAXBELLS Per. PtShade. 4-6 x 2½-3'. Summer-Fall.
3176 Shrub-like perennial with nodding yellow flowers for woodland garden. Dies to ground after first frost. Germ: CMS: 30d. Zone 7a *Maber*
- Kos1250** *Kosteletzkya virginica* VIRGINIA MALLOW, SEASHORE MALLOW Per. Sun. 4-5 x 3'. Late Summer-Fall.
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. *Kushner*
1999 Cotton candy pink. Underutilized native perennial plant thrives in moist soils. A welcome addition to the autumn garden with cotton-candy pink flowers that attract pollinators. I grow mine with figs. Germ: Germinates in two weeks at 70-80°F. BH. NST. Zone 8a *Norfolk Botanical staff*
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 7b *Mackey*
- Lab1050** *Lablab purpureus* HYACINTH BEAN An. Vine. Sun. 9' +. Summer-Fall.
0592 Germ: SIS; pre-soaked; In late May, it got high on my richly-composted soil and grew monstrous large, fully productive. Lean soil elsewhere restrained it a bit too much. Zone 6 *Malocsay*
- Lab1060** *Lablab purpureus albus* HYACINTH BEAN An. Vine. Sun. 9' +. Summer-Fall.
0200 White blooms on annual vine to over 9'. Germ: SIS, NST. Zone 7 *Creveling*
- Lag0300** *Lagerstroemia indica* CRAPE MYRTLE Shrub. Sun.
1939 Bright pink flowers in August. Germ: CMS 6-8 weeks Zone 6b *Urffer*
- 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 7a *Silberstein*
- Lan1150** *Lantana camara* 'Miss Huff' LANTANA Per. Sun. 3'. Summer. Zone 7-11.
3436 Orange 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. Flowers non-stop early July to frost. Easily roots from cuttings in early fall. Zone 7a *Silberstein*
- Lat0050** *Lathyrus latifolius* EVERLASTING PEA, PERENNIAL PEA PerVine. Sun/PtShade. 6-9'. Summer-Fall.
0507 Beautiful mix of white, white with pink overtones, soft pink, and a richer pink. Germ: Probably soak in warm water overnight. Zone 7 *Kolo*
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. *Kushner*
0590 Zone 7a *Mabony*
- Lat2650** *Lathyrus vernus* SPRING VETCH Per. PtShade. 12-15 x 15". Spring.
0951 Purple flowers. *Tracey*
- Lei0050** *Leibnitzia anandria* Per. Shade. Spring and Fall.
2515 Unusual perennial. Has two blooming stages. In early spring, white daisy-like flowers appear, then in late summer, early fall the "cottony", "dandelion type" seed producing flower heads appear. Zone 6 *Doblmaier*

Leontopodium - Lilium

- Leo1100** *Leontopodium nivale* EDELWEISS Per. 1'. Full sun. Late Spring. Zone 4-9.
3645 White flowers. Germ: C. SS. Zone 7a *Roskoph*
- Lep0500** *Leptodermis oblonga* BABY LILAC, CHINESE LEPTODERMIS Shrub. Sun/Pt.Sun. 1-1.5' x 1.5- 2'. May to June. Zone 5-8.
1277 Lavender flowers. Zone 6a *Haas*
- 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. *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. *Kushner*
- Leu1250** *Leucojum autumnale* AUTUMN SNOWFLAKE Bulb. PtShade. 8 x 6 to 10" in bloom. Fall.
0199 White flowers. Summer dormant with several flushes of flowers beginning in late August through fall. Grassy foliage lasts through winter. This form has proven hardy here in a protected location. Zone 7 *Cresson*
- Leu4900** *Leucothoe axillaris* COASTAL LEUCOTHOE, COASTAL DOGHOBBLE Shrub. 2'-4'. Partial Shade. Late Spring. Zone 6-9.
1939 Evergreen. Native. Small, white flowers on shiny, green leaves. Germ: SR. NST. Zone 6b *Urffer*
- Lia2500** *Liatris spicata* BLAZING STAR, GAYFEATHER Per. Sun/PtSun. 2-5 x 1½'. Summer-Fall.
0269 Pink-purple flowers. A native perennial with grassy leaves and thick wands of densely packed flowers for several weeks in summer. Flowers, which open from the top of the spike down, attract butterflies and other pollinators. Germ: OW. Zone 7 *Ellis*
- Lia2700** *Liatris spicata* 'Kobold' GAYFEATHER Per. Sun. 8-10 x 12"; to 2' in bloom. Summer.
0590 Deep purple blooms. Zone 7a *Mahony*
- Lig0010** *Ligularia* 'Britt Marie Crawford' Per. Sun/PtShade. 3¼'. Midsummer-Early Fall. Zone 4-8.
1277 Gold blooms. Must be grown in moist conditions; can take shade. Zone 6a *Haas*
1580 Golden orange flowers are a bonus with this plant which grows to 3' high and 6' wide. I grow this for it's maroon foliage which persists until frost. Site in an moist site with afternoon shade and sheltered from wind. Germ: SS. SIS. 14-42 days max. germ. time. Zone 6-7 *Romenesko*
3321 Yellow-orange blossoms. Very purple leaves. Zone 6 *Perron*
- Lig0030** *Ligularia dentata* GOLDEN GROUNDSEL Per. Sun. 3-5 x 3'. Summer.
0239 Yellow-orange flowers. Flowers are not as important as the foliage texture. Prefers moist soil. Germ: W, NST Zone 6 *Doering*
- 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. *Kushner*
- Lig4500** *Ligustrum japonicum* 'Recurvifolium' CURLED-LEAF PRIVET Shrub. Sun. 6-8'. Late Spring. Zone 6b-8b.
3001 White flowers. Leaves dark green and twisted at the tips. Drought tolerant. Grows to 8'. Germ: CMS: 30d. Zone 7 *Gregg*
- Lil1060** *Lilium brownii* 'Quinling'
0032 Source: Goteborgs Botanic Garden *Plant Delights*
- Lil1250** *Lilium canadense* CANADA LILY PerBulb. PtShade. 4-5'. Summer.
0926 Yellow to orange blooms, summer blooming. Germ: 70 -40 -70 . If you are lucky enough to have bulbs already, Bill Cullina recommends bulb scaling for propagation, as being "twice as fast as seed". *Streeter*

- Lil1570** *Lilium concolor*
0032 Source: Shikoku Gardens. Yellow Flower. *Plant Delights*
- Lil1700** *Lilium formosanum* FORMOSA LILY, TAIWAN LILY PerBulb. Sun/PtShade. 6-8 x 1½'. Late Summer-Fall. Zone 6+.
0045 White flowers on tall stem- to 6'. Easy trumpet lily. Zone 6(5?) hardy Germ: NST; Epigeal immediately! Often flowers second year. Zone 6b7a *Bartlett*
1999 Fragrant, white trumpet-shaped flowers suffused with purple on the outside petals. Introduced from Taiwan in the 1880s, Formosa Lily is a spectacular self-seeding, perennial lily that bears large, extremely fragrant, funnel-shaped white flowers, suffused with wine-purple on the outside petals. It flowers in August when few things are in bloom. Great cut flower and the dried seed pods are useful in arrangements. Germ: BC, NST. 21 d. Zone 8a *Norfolk Botanical staff*
- Lil1750** *Lilium formosanum* var. *princei* PerBulb. Sun. 2 x 1'. Summer.
0045 White flowers. A dwarf form of *L. formosanum*. Stays under 2' tall. Flowers are the same as the species. Germ: NST. Zone 6b7a *Bartlett*
- 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*
- Lin1250** *Linaria purpurea* TOADFLAX Per. Sun/PtShade. 2-3 x 1½-2'. Summer-Fall.
1224 Purple flowers. Germ: BC, BH. Max. Germ. Time: 21 days. *Lockhart*
- Lob1250** *Lobelia cardinalis* CARDINAL FLOWER Per. Sun/PtShade. 1-3 x 1+'. Summer-Fall.
0318 Red flowers. Germ: SIS. *Garnett*
0507 The reddest red in the garden. Easy from seed. Zone 7 *Kolo*
1277 Red flowers. Likes sunny, moist conditions but will take shade also. Hummingbird's favorite plant. Zone 6a *Haas*
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 7b *Mackey*
3436 Red blooms. Germ: SS, SR. Zone 7a *Silberstein*
- Lob1300** *Lobelia cardinalis* 'Alba' CARDINAL FLOWER Per. PtShade. 3 x 1-2'; to 4' in bloom. Summer.
2608 White. This white sport was isolated several years ago. After a few seasons of rouging out the red ones, it now runs about 50% white. *Malarek*
- Lob1750** *Lobelia siphilitica* GREAT BLUE LOBELIA Per. Sun/PtShade. 2-4 x 1'. Late Summer-Fall.
0797 Adds welcome blue flowers late in season. Self-sows. *Robinson*
1585 Mostly blue, some white flowers. Biennial in my garden. *Scofield*
3436 Blue, occasionally white blooms. Germ: SS, SR. Zone 7a *Silberstein*
3561 Indigo flowers. Seed from my local *L. siphilitica* population, with richer and bluer flowers than the usual form. Germ: L. W. NST. *Gorman*
- Lud1500** *Ludwigia maritima*
0032 *Ludwigia maritima* and/or *alternifolia* (NC Coastal Ecotype) Source: Ernst Conservation Seeds *Plant Delights*
- Lun0050** *Lunaria annua* MONEY PLANT, HONESTY Bien. Sun/PtShade. 3 x 1'. Spring.
0522 Mixed colors. *Kushner*
1277 Purple flowers. Could have some variegated foliage mixed in. Zone 6a *Haas*
- Lun0070** *Lunaria annua* 'Corfu Blue' HONESTY, MONEY PLANT Bien. Full Sun-Partial Shade. 3' tall. Spring-Summer.
0522 Blue-purple flowers. Purple stems with purple/silver seed heads. *Kushner*
- Lun2200** *Lunaria annua* var. *albiflora* 'Rosemary Verey' MONEY PLANT, HONESTY Bien. Sun/PtShade. 2-4 x 2-3'. Spring.
0522 Deep purple leaves with bright violet blooms. *Kushner*

Lunaria - Lysimachia

- Lun4010** *Lunaria rediviva* PERENNIAL HONESTY, PERENNIAL MONEY PLANT Per. Sun/PtShade. 1½-2 x 2'; from 3-4' in bloom. Late Spring-Summer.
0522 Pale lilac blooms on a late-blooming lunaria with leaves that are finely toothed. As compared to the common ~*Lunaria annua*~, this plant is larger, but the flowers are smaller and more highly scented. Source: Odyssey Bulbs. *Kushner*
- Lyc3050** *Lychnits coronaria* ROSE CAMPION, CATCHFLY An./Bien./Short-lived Per. Sun/PtShade. 2-3 x 1-1½'. Summer. Zone 4-8.
0065 Purple flowers. Nice grey foliage - always eye-catching. Germ: OW; SIS; NST. *Berger*
0199 I consider this an essential component of the early summer garden with felty gray foliage and magenta flowers. Self-sown seedlings easily relocated fall or spring. Zone 7 *Cresson*
- Lyc3100** *Lychnits coronaria* 'Alba' WHITE CAMPION, WHITE CATCHFLY Bien./Short-lived Per. Sun/PtShade. 2-2½ x 1-1½'. Summer.
0065 White flowers. Germ: BC; OW; NST. *Berger*
- Lyc3150** *Lychnits coronaria* 'Angel Blush' CAMPION, CATCHFLY Bien./Short-lived Per. Sun/PtShade. 2½ x 1½'. Summer.
0269 White with pink blush or all white blooms. This is a 1½-2'-foot tall biennial or short-lived perennial. Plants self-sow and come true from seed. This seed was collected from plants that were either typical 'Angel's Blush', white flowers with pink centers, or all white. Produces clumps of silver-gray, feltlike leaves. Germ: L, SS, SIS, NST. 30 d. Easy to start in pots as well. Plants self-sow with abandon, so cut back as flowers fade to reduce self-sowing. Also pull up older plants to make room for younger ones. Zone 7 *Ellis*
- Lyc3300** *Lychnits 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. *Kushner*
- Lyc3750** *Lychnits viscaria* subsp. *atropurpurea* GERMAN CATCHFLY Per. Sun. 1-1½'. Spring. Zone 3-8.
0199 Deep cerise pink flowers. Small dark glossy green rosettes of foliage produce tall, branched stems of tiny flowers. Prefers dryish well-drained site. You will want this to seed in your rock garden. Southeastern Europe. Zone 7 *Cresson*
- Lyc5000** *Lycopersicon esculentum* 'Polish Linguisa' An. Sun. 36-40 x 24-36".
0199 Yellow blooms. Not just any tomato, but the best heirloom! A large paste variety with virtually no juice, that is so flavorful and sweet that we eat them all fresh; superb on a sandwich, in salads and omelettes. Of course you could try it on pasta too. You'll be a convert! Indeterminate. Zone 7 *Cresson*
- 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*
- Lyc9400** *Lycoris x rosea* SURPRISE LILY Bulb. Sun/PtShade. 20". Late Summer. Zone 6-10.
0032 Pink with blue blooms, 1-2' tall plant. *Plant Delights*
- Lyc9500** *Lycoris sanguinea* Bulb. Sun. 20". Summer.
0199 Light tangerine. Blooms without leaves. Summer dormant. Lovely blooming through yellow seashell impatiens. 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*
- Lys1750** *Lysimachia minoricensis* 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*

- 0592 White blooms. A personal favorite for many years--foliage interest especially, flowers nondescript. Usually self-sows, but I save seed just in case. Description from Charles Cresson... 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. In Pittsburgh, behaves as a self-sowing annual - power of love for favorite plant? Zone 6
Malocsay
- 0965 White flowers. Grown for the mottled foliage rather than the flower spikes. From Charles Cresson's offering, which A. Kushner grew in abundance. Zone 7a *Umpbrey*
- Mag5050** *Magnolia virginiana* SWEETBAY MAGNOLIA, VIRGINIA MAGNOLIA Shrub/Tree. Sun/PtShade. 28 x 20'. Summer-Fall.
- 0926 Ivory flowers. Very fragrant. Leaves have silver undersides. Germ: CMS 3 mo. *Streeter*
- Mag5400** *Magnolia virginiana* 'Ned's Northern Belle' SWEETBAY MAGNOLIA Tree. 20'-30'. Full sun-shade. Summer. Zone 3-9.
- 0200 White flowers. Zone 7 *Creveling*
- Mah0500** *Mabonia* 'Arthur Menzies' Shrub. 10'x5'. Partial sun-partial shade. Fall-winter. Zone 7-9.
- 0199 Yellow blooms. Striking large upright flower clusters of bright yellow in November, December and possibly January if severe cold is delayed. M. bealei x M. lomarifolia. Rarely matures seed after a normal winter so here is a chance to raise an F2 generation with new genetic combinations, potentially an excellent new cultivar for our climate! Zone 7 *Cresson*
- Mai0100** *Maianthemum racemosum* FALSE SOLOMON'S SEAL Per. PtSun/PtShade. 1½ x 1½'. Spring.
- 0032 *Plant Delights*
- Mal2050** *Malva sylvestris* MALLOW Per. 3 x 3'. Summer.
- 0507 (more likely Zebrina) Zone 7 *Kolo*
- Mal5000** *Malvaviscus arboreus* TURK'S CAP, WAX MALLOW Shrub. Sun/PtSun. 2-6 x 2-6'. Summer. Zone 8-9.
- 1999 Vermilion-red flowers. Showy perennial subshrub native to Florida and Texas has velvety, lobed leaves, vermilion-red, hibiscus-like blossoms and edible red, fleshy fruit reminiscent of apples. Flowers are attractive to birds, butterflies and bees. Grows 3 to 5 feet tall, prefers part sun in average to moist soil. Germ: Soak seed in warm water overnight then maintain a germination temperature of 75 to 85°F to germinate in three weeks. Heat and humidity are keys to successful germination. BH. Zone 8a *Norfolk Botanical staff*
- Man2100** *Manfreda virginica* Per. Sun. 2 x 2-4'; to 6' in bloom. Summer.
- 9985 White, light green blooms. Unique, clove-scented flowers appear along a tall stalk. Foliage is evergreen. Native agave relative. Germ: CMS: 90 d; OW; BC; NST; 30 d. Zone 7a *Jenkins Arboretum*
- Man2500** *Manibot grabamii* 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 7a *Silberstein*
- Mar1400** *Marshallia grandiflora* MONONGAHELA BARBARA'S BUTTONS Per. PtShade. 12 x 12". Summer.
- 9985 Rose pink to lavender blooms. A neat and tidy plant whose glossy leaves serve as a ground cover when plant not in bloom. Endangered in PA. Germ: CMS: 90 d. NST. Easy germinator. Zone 7a *Jenkins Arboretum*
- Mec0050** *Meconopsis cambrica* WELSH POPPY Per. PtShade. 1½ x 1'. Spring-Fall.
- 0199 Orange flowers. Prolific bloom May-June, then repeats through fall if deadheaded. Likes to seed into walls that face north and west. Cool conditions preferred. Lovely with candelabra primroses in June. Germ: SIS or sow into pots placed outside. May not germinate first year. Zone 7 *Cresson*
- 0797 *Robinson*
- Mel6000** *Melothria scabra* MEXICAN SOUR GHERKIN, MEXICAN MINATURE WATERMELON AnVine. Sun.
- 0269 Yellow flowers on a vine grown for its edible fruit. Fruit are about the size of grapes and taste like cucumbers with a tinge of sourness. Harvest when small for best taste. Eat fresh or try pickling. Germ: Sow indoors 4-6 wk before the last frost date and transplant after danger of frost. Or, direct sow in the garden after the frost date. Zone 7 *Ellis*
- Met1010** *Metasequoia glyptostroboides* DAWN REDWOOD Tree. Sun. 70-100 x 25'.
- 1277 Deciduous, needled tree. Grows to 80'. Zone 6a *Haas*

Mimulus - Nandina

- Mim3550** *Mimulus ringens* Per. Sun/PtShade. 2-4 x 1'. Summer.
2515 Lovely lilac-purple flower color. Great plant for the wet areas of the garden. Native. Zone 6 *Doblmaier*
- Mir1010** *Mirabilis jalapa* FOUR O'CLOCK An./TenPer. Sun. 3-5 x 2-4'. Summer-Fall.
0269 White blooms. Seed is collected from a plant that bears fragrant white flowers on 4' tall plants. Germ: NST. Produces a tuber that can be dug in fall and overwintered. My plant is hardy in Zone 7 in a site right next to the east-facing side of the house. Sow seeds indoors 4-6 wks before the last frost and keep warm, or direct sow after frost. Zone 7 *Ellis*
3666 Orange. 12 " x 2'. Fragrant. Zone 5 *McGowan*
- Mir1400** *Mirabilis jalapa* 'Limelight' FOUR O'CLOCK An./TenPer. Sun. 2'. Summer.
0200 Hot pink flowers, blooms all summer. Chartreuse foliage. Zone 7 *Creveling*
0627 Chartreuse foliage and hot pink flowers quite a show-off in the garden. For those who love bold colors! These self-seed so beware! The planting method is simply to scatter Germ: NST. *McSbane*
- Mir1450** *Mirabilis jalapa* 'Orange Crush' FOUR O'CLOCKS Annual. 2'x2'. Full sun. Summer
0951 Tangerine flowers. *Tracey*
- Mir1750** *Mirabilis longiflora* WILD FOUR O'CLOCK TenPer. Sun/PtShade. 2-3'. Summer-Fall.
3666 White. 2' x 2'. Night blooming very fragrant. Root hardy in zone 5 Zone 5 *McGowan*
- 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 6a *Bittmann*
- Mon1000** *Monarda austroappalachia* BEE BALM Per. 2'. Full sun-partial shade. Summer. Zone 6-9.
3645 White flowers. Germ: L. W. Zone 7a *Roskoph*
- 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. *Labash*
- Mon1650** *Monarda* 'Jacob Cline' SCARLET BEEBALM
1228 Uses: Medicinal, culinary, edible flowers, cut flowers, and dried flowers. Great plant for pollinators. Germ: WMS. *Labash*
- Mor2000** *Morella pensylvanica* NORTHERN BAYBERRY, SWAMP CANDLEBERRY Shrub. Sun/PtShade. 5-12 x 5-12'. Spring.
0239 Yellowish green male catkins, ½" long in spring. Upright rounded, suckering, semideciduous shrub with glossy, dark green, aromatic foliage and waxy gray fruit. A drought and salt tolerant plant. Germ: CMS 90 d; OW; BC; SR; 14 d. Waxy coat must be removed. (I have removed it from this seed.) Zone 6 *Doering*
- Mus0800** *Muscari armentacum* '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. *Kushner*
- Mus0900** *Musa velutina* PINK VELVET BANANA Per./TenPer. Sun/PtShade. 6 x 8'. Summer.
1999 Hailing from India, this hardy (when established in Zones 7b-10) banana produces abundant crops of velvety, pink-skinned fruit which peel themselves when ripe. Fun plant to add a tropical flair to the temperate garden. In colder regions it is wise to protect plants in winter with a leaf mulch around the stem. *Musa velutina* does well in containers. Germ: Scfy, Soak: 1 d, BH. Abrade seeds with sandpaper, then soak overnight in warm water. Sow at high temperatures and humidity, expect germination in 14-25 d. Zone 8a *Norfolk Botanical staff*
- Mus1000** *Muscari azureum* GRAPE HYACINTH Bulb. Sun/PtShade. 6". Spring. Zone 5-8.
0199 Flowers striped with clear sky blue and white. Zone 7 *Cresson*
- Myr1050** *Myrrhis odorata* SWEET CICELY Per. PtShade. 6 x 4"; to 2' in bloom. Early Summer.
1017 White flowers. Wonderful anise scent. Good for woodland areas. Zone 5b *Whitesell*
- Nan1050** *Nandina domestica* var. *leucocarpa* Shrub. Sun. 6 x 5'. Summer.
0199 Just like the species, but with large bunches of light yellow fruit against bright green foliage. Lovely next to the red form or alone. Difficult to find, but when you see it, you'll love it! Zone 7 *Cresson*
0522 Lovely yellow-berried shrub. Nice companion in the autumn to coryolosis, stachyurus, and other woodland plants. Germinates easily. *Kushner*

- Nic0200** *Nicandra physaloides* 'Splash of Cream' VARIEGATED SHOO FLY PLANT An. Sun. 39" x 12". Summer.
3436 Blue-purple blooms. Germ: BC, NST. Zone 7a *Silberstein*
- Nic0480** *Nicotiana hybrida* 'Starlight Dancer' FLOWERING TOBACCO Annual. 2'-3'. Full sun-partial shade. Summer
0951 White-green-pink flowers. *Tracey*
- Nic0600** *Nicotiana langsdorffii* FLOWERING TOBACCO An. Sun. 2 x 3'. Summer.
0797 Lime green/chartreuse flowers born in tall, graceful wands. Self-sows. Germ: BC; SIS. *Robinson*
- Nic2750** *Nicotiana sylvestris* FLOWERING TOBACCO, GREAT WHITE TOBACCO An. Sun/PtShade. 12 x 18"; to 5' in bloom.
Summer-Fall.
0200 Fragrant white blooms on 4-5' stalk. Reseeds. Germ: SIS. Zone 7 *Creveling*
- Nic2800** *Nicotiana sylvestris* 'Only the Lonely' FLOWERING TOBACCO An. Sun/PtShade. 12 x 18"; to 5' in bloom. Summer-Fall.
0084 Tall annual with fragrant, white flowers for partial shade. Zone 6b *Bowditch*
- Nig1050** *Nigella damascena* LOVE-IN-A-MIST An. Sun. 8-12 x 8-12"; 12-18" in bloom. Summer.
1277 Blue and white flowers. Self-sows nicely. Zone 6a *Haas*
- Oen2650** *Oenothera stricta* EVENING PRIMROSE Per./Bien. Sun. 3 x 1'. Summer.
0199 Soft yellow flowers flushed with pink. Biennial forming narrow leaved rosettes, then lax sprawling branched stems 2-3' long. 4" soft yellow blooms, evening to following morning for 3 months. Spent flowers become peachy red enhancing the effect. This is a Zone 7 *Cresson*
- Oph0500** *Ophiopogon jaburan* 'Vittatus'
0032 Source: Duncan & Davies *Plant Delights*
- Oph1200** *Ophiopogon umbraticola* MONDO GRASS Per. PtSun/Shade. 10". Summer. Zone 5-8.
0199 White blooms. New miniature Chinese species with tufts of very narrow foliage. Stalks of white flowers in June are followed by round cobalt blue fruit in autumn. Has been making the rounds under the erroneous name ~O. Chingii. ~ Zone 5. Zone 7 *Cresson*
- Opu1600** *Opuntia macrorhiza* PLAINS PRICKLY PEAR Per. .5'-1'. Full sun. Late Spring. Zone 3-9.
0199 Yellow flowers. A very hardy cactus from the North American plains. Spectacular yellow flowers with red centers in May-June. The showy long spines are actually a friendly gesture, providing warning before you accidentally contact the insidious tiny spines! Zone 7 *Cresson*
- Orb1050** *Orbexilum pedunculatum* var. *psoralioides* 'Nash' SAMPSON'S SNAKEROOT Per. Sun/Pt. Sun. 18". Late Spring.
Zone 6-9.
0032 Terminal spikes of tiny lavender flowers. Little known Baptista relative. *Plant Delights*
- Orl1000** *Orlaya grandiflora* WHITE LACEFLOWER, MINOAN LACE An.
0065 White flowers. A special plant! Germ: BC; Direct sow early spring. Seed germinates between 55-70 *Berger*
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 6 *Malocsay*
3666 White. 18" x 18". Nice filler, self sows. Zone 5 *McGowan*
- Orn0500** *Ornithogalum longibracteatum* FALSE SEA ONION TenBulb. Sun. 2-3'. Summer.
0926 Bulbils. Racemes of green and white flowers from bowiea-like bulb with floppy foliage. Small bulblets pop out of the sides of the bulb. Weird, but fascinating. Not hardy. *Streeter*
- Orn1050** *Ornithogalum saundersiae* TenBulb. Sun. 5'. Late Summer.
1999 White with a black eye. Dramatic, deciduous bulb from South Africa grows 4 feet tall and produces erect rosettes of stiff, shiny leaves and clusters of star-shaped, long-lasting white flowers with striking black ovaries in the center. Ideally suited for cutting, it prefers sandy or rocky soil in full sun. Germ: According to the Ontario Rock Garden site: "Give sown seeds several weeks @ 20°C to imbibe water (perhaps even germinate!), then expose to fluctuating outdoor winter temperatures including freezing for 3 months. Gradually increase light and temperature in spring." Zone 8a *Norfolk Botanical staff*

Ornithogalum - x Pardancanda

- Orn1500** *Ornithogalum sintenisti* 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*
- Pae3600** *Paeonia obovata* Per. Sun/PtShade. 2-3 x 2-3'. Late Spring.
0200 Pink, single flowers. Gorgeous seedpods, can be slow to germinate. Germ: CMS. Zone 7 *Creveling*
- Pae4500** *Paeonia ostii* TREE PEONY Per. Sun/PtShade. 5 x 10'. Spring. Zone 4-8.
0032 Source: US National Arboretum *Plant Delights*
3001 White flowers. A woody paeonia, once listed as a cultivar of ~*P. suffruticosa*.~ To 3-5 x 3-5'. Germ: Soak: 24 hr; Cycle: Start warm for root development, then cold for leaf, or start outdoors. May require treatment for double dormancy. Zone 7 *Gregg*
- Pap0350** *Papaver atlanticum* MOROCCAN POPPY Per. Sun. 8-12 x 12"; to 2' in bloom. Summer.
0592 Light orange blooms. Nice persistent rosette. Keeps blooming in spurts. Germ: SIS. Self-sows occasionally, despite competition. Zone 6 *Malocsay*
- Pap0480** *Papaver dubium* LONG-HEADED POPPY Annual. Full Sun. 18" tall. Summer.
0199 Salmon-orange flowers. Similar to *P. rhoeas* but with smaller flower. Allow some seeds to fall since plants are short-lived. Zone 7 *Cresson*
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*
- Pap2320** *Papaver rhoeas* (red, burgundy) CORN POPPY, FLANDERS POPPY An. Sun. 12-18 x 12-15". Summer.
0592 Very rich red, scarlet blooms. Germ: SIS. Self-sowing annual, happy anywhere. Zone 6 *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*
- Pap3250** *Papaver somniferum* (coral, double) CARNATION POPPY An. Sun. 4 x 1'. Summer.
0318 Deep-coral, double flowers. Germ: L; SS; SIS; Rtp. *Garnett*
- Pap3270** *Papaver somniferum* (coral, single) OPIUM POPPY An. Sun. 4 x 1'. Summer.
0318 Germ: SS; SIS. *Garnett*
- 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. *Robinson*
- Pap3550** *Papaver somniferum* (mixed colors) BREADSEED, OPIUM, CARNATION POPPY An. Sun. 2-4 x 1'. Summer.
0239 Mixed, mostly pink blooms. Sow in the snow with the ~*Consolida ambigua*~ for a wonderful color combination of filler plants. Germ: SIS. In winter, sow seeds where colorful display is wanted. What could be easier or more rewarding? Zone 6 *Doering*
- Pap3650** *Papaver somniferum* (pink, double) OPIUM POPPY An. Sun. 4 x 1'. Summer.
0592 Fully double pink blooms. Striking. Germ: SIS. Rtp. SIS ASAP for bloom in June, self-sowing thereafter. Zone 6 *Malocsay*
- Par1650** *Paradisea lusitanica* ST. BRUNO'S LILY PerBulb. Sun.
0199 White blooms. Small lily-like flowers along a tall spike. Strappy leaves at the base. Forms a clump in a sunny location with good drainage. A rare plant in cultivation and often confused with its close relative, ~*Anthericum*.~ Southern Europe. 5' tall. Zone 7 *Cresson*
- Par1900** *x Pardancanda norristii* CANDY LILY Per. Sun. 1½ x 1'. Summer.
0045 Various colors. An easy perennial Iris hybrid. To 2' tall, clump forming. Very hardy. Sometimes self sows. I have nary seen a poor colored plant. Germ: NST. Zone 6b7a *Bartlett*

- Par3000** *Paris quadrifolia*
0199 Green flowers. Widely spread trillium relative throughout Eurasia. This is the easiest species of Paris to grow. Rich soil. Likes lime but thrives on my acid soil. Germ: Sow at 64-71°F for 2-4 wk, move to 24-39°F for 4-6 wk, move to 41-53°F for germination. (From Seed Germination Database--Perennials O to Z, www.tomclothier.hort.net.) Zone 7 *Cresson*
- Par4010** *Parthenium integrifolium* WILD QUININE Per. Sun/PtShade. 2-4 x 1-2'. Summer-Fall.
3397 White flowers. 2-3ft, full sun. Very dense cauliflower-like blooms keep appearance for 2-3 months. Tolerates wet clay. Pollinators love. Zone 6b *Egbertson*
- Pas0500** *Passiflora caerulea* BLUE PASSIONFLOWER Vine. 10'-25'. Full sun-partial shade. Summer. Zone 7-9 (with protection to zone 6).
1939 Light-blue flowers. Germ: BH: 8 weeks. Germination 30-45 days. Zone 6b *Urffer*
- Pas1050** *Passiflora incarnata* MAYPOPS, HARDY PASSIONFLOWER Per. Vine. Sun. 20'. Summer.
0199 Purple-blue flowers. Native herbaceous vine with a very tropical appeal. Blooms July-September. Edible fruit in fall, tasty citrus-flavored juice. Zone 7 *Cresson*
0269 Purplish blue and white blooms. A native vine that climbs by tendrils, this species reaches 6' and spreads as far. Plants bear 3-5-lobed leaves and 3"-wide flowers in mid to late summer. Blooms are followed by edible, oval, green to yellow fruit. Plants spread by root suckers to cover a wide area. They die to the ground in winter and are very late to emerge in spring (late May in my garden), so mark their locations. Sun to part shade with average soil. Use on a trellis or for covering spoil areas. Germ: CMS. Soak: 2 d, W, OW, Zone 7 *Ellis*
- Pas1200** *Passiflora maliformis* SWEET CALABASH, SWEET CUP, CONCH APPLE Annual Vine. to 33'. Full sun. Summer.
1999 Purple and white flowers. Fast-growing vine climbs by tendrils; has fragrant flowers and edible fruit. Not winter hardy, but makes a decent conservatory plant. Germ: Scarify with sandpaper then soak in warm water for 48 hours, then sow at 70-85°F. Germination can take up to 4 months. BH. Zone 8a *Norfolk Botanical staff*
- Pat1300** *Patrinia intermedia* Per. Sun/PtSun. 15 x 15". Spring-summer.
0199 Yellow Flowers. This shorter species makes an attractive rock garden plant. Airy branched stems of yellow flowers above basal foliage. Blooms Mid-May into summer. Good here with morning sun and afternoon shade. Mountains of western China and central Asia. Zone 7 *Cresson*
- Pat1500** *Patrinia monandra* Per. Full sun-partial sun. 4'. Summer. Zone 6.
0199 Yellow flowers. (syn: *P. punctiflora*) Chinese perennial with a basal rosette of jagged pinnate foliage that produces a tall spike with masses of tiny soft yellow flowers in late summer. Zone 7 *Cresson*
- Pat2100** *Patrinia villosa* Per. PtShade. 15 x 12". Summer.
0951 White flowers. *Tracey*
- Pav2800** *Pavonia lasiopetala* TEXAS SWAMP MALLOW TenPer. Sun/PtShade. 2 x 2'. Summer.
1999 Intense bubblegum pink with a golden yellow staminal column. Versatile, long-blooming perennial subshrub grows 2 to 4 feet tall, is not fussy about soil or moisture content and thrives in sun or part shade. Velvety, heart-shaped leaves perfectly set off the intense bubblegum pink miniature hibiscus-like flowers which open in the morning and shutter by early afternoon. Visited by hungry Hairstreaks, Skippers and bees, it serves as a larval host plant to the Common Checkered Skipper (*Pyrgus communis*). Germ: Soak in hot (not boiling) water for 48 hours, then sow at 70°F, expect germination in 3 weeks. Zone 8a *Norfolk Botanical staff*
- Pel2050** *Peltoboykinia watanabei* Per. PtShade/Shade. 18 x 18". Late Spring.
0239 Yellow blooms. Great plant for the woodland. Large green leaves enliven the woodland. The bloom appears in late spring and is a pale yellow, bell-shaped flower. Unusual and interesting perennial for light shade/shade. Germ: W, NST. Zone 6 *Doering*

Pennisetum - Persea

- Pen0250** *Pennisetum glaucum* 'Purple Majesty' CATTAIL, BULRUSH MILLET An. Grass. Sun. 3-4'. Summer-Fall.
1999 Insignificant flowers, but seed heads are a very showy purplish-brown and attract birds. Fast-growing annual ornamental grass comes true from seed. Has striking purple foliage and flowers; a favorite food of songbirds. Grow in groups for best effect. Seed heads make wonderful fall decorations. Germ: Soak: 24 hr. Soak in warm water for 24 hr prior to sowing. C, 21 d. Young plants are green. Stem and mid-rib of the foliage first turn purple after 6-8 leaves have developed. Zone 8a *Norfolk Botanical staff*
- Pen1600** *Penstemon albidus* WHITE PENSTEMON, WHITE BEARDTONGUE Perennial, 8-12", Late Spring, Full Sun
0084 White flowers. Native perennial with late spring to early summer bloom time. Zone 6b *Bowditch*
- Pen2200** *Penstemon canescens*
2515 Pale violet flowers. This penstemon tolerated extremely dry conditions under an overhang this summer and the foliage still looked fresh in the Fall. Would look great in a rock garden setting. Germ: W, NST. Zone 6 *Doblmaier*
- Pen2500** *Penstemon* 'Dark Towers' BEARD TONGUE Per. Sun. 1½ -3 x 1-2'. Summer. Zone 3-8.
0269 Pink and white flowers. Bears 2 1/2- to 3' panicles of showy pink flowers in summer above glossy semi-evergreen bronze-red leaves and stems. Self sows, and while seed of this hybrid do not come exactly true, the seedlings resemble the parents. Tolerates heat. Needs average, well-drained soil. Germ: OW. Zone 7 *Ellis*
- Pen3000** *Penstemon digitalis* FOXGLOVE, BEARD TONGUE Per. Sun/PtShade. 4 x 1½'. Summer.
2497 White tubular flowers on strong tall stems flower early summer. Native to east coast. Dark green rosettes overwinter. Zone 7b *Mackey*
2937 Pale pink blooms. Seed are collected off 'Dark Towers', a pink-flowering hybrid with dark purple foliage. Hopefully some of the seedlings will share their parent's good looks. Zone 6a *Bittmann*
3397 Pink flowers. 2'-3'ft, late spring, full sun, Red stems, dark green leaves, benefits from some staking to prevent flopping after bloom. Zone 6b *Egbertson*
- Pen3050** *Penstemon digitalis* 'Husker Red' FOXGLOVE, BEARD TONGUE Per. Sun/PtShade. 4 x 1'. Summer.
0199 White flowers. Small tubular white flowers over beet red foliage in May-June. An easy native perennial and a welcome addition to the other early perennials. Zone 7 *Cresson*
- Pen4550** *Penstemon hirsutus* var. *pygmaeus* DWARF BEARD TONGUE, DWARF PENSTEMON Per. Sun/PtShade. 3-4 x 12".
Summer.
1607 Lavender/pink flowers. Germ: SS; W. Zone 7a *Jellinek*
- Pen5180** *Penstemon pseudospectabilis* ROSY DESERT BEARDTONGUE, CANYON PENSTEMON Per. Sun. 2-3'. Spring.
2515 Fuchsia colored flowers. Bloomed in early summer. Started the seeds of this about 3 years ago and it finally bloomed this year. Saw it at Longwood Gardens this summer and realized what it was, since I lost its plant tag. Zone 6 *Doblmaier*
- Pen5300** *Penstemon smallii* SMALL'S BEARDTONGUE Per. Sun/PtShade. 6 x 6"; to 1' in bloom. Spring-Summer. Zone 6-8.
1277 White blooms with pink overtones. A very nice dependable penstemon for our area, though not very flashy. Germ: CMS 90 d. Zone 6a *Haas*
- Pen5600** *Penstemon tenuis* Per. Sun/PtSun. 18 x 12". Early Summer.
2515 Lovely purple flowers on this smaller Penstemon. Place multiples in the front of the border. Bloomed from mid-summer till frost on seed started this year. Zone 6 *Doblmaier*
- Pen9000** *Pentapetes phoenicea* COPPER CUPS An. Sun. 5 x 3'. Summer.
9975 Scarlet Orange flowers. Linear deep green, heavily-lobed leaves branching off a central strong stem featuring attractive, orange-red, mallow-like small flowers. Germ: Scfy. BH. Sow seeds indoors 6-8 weeks before last frost date at 75° F. Soak seeds in hot water for 12-24 hours. *Bartram's Garden*
- Per1500** *Persea borbonia* REDBAY, SWEET BAY, SILK BAY, RED BAY PERSEA, LAUREL TREE Shrub/Tree. PtShade. 36-72'. May-June.
3436 Inconspicuous blooms. Native from lower Delmarva to the Gulf coast. Fast-growing broadleaved evergreen for sun or light shade and moist to occasionally flooded. Avocado genus. Leaves are bayleaf-scented and taste. No damage at zero. Wind resistant, but can break in heavy snow/ice. Germ: CMS: 30 d, BH, 40 d. May not need cold stratification. Zone 7a *Silberstein*

- 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 7a *Silberstein*
- Per2650** *Persicaria orientalis* 'Shiro-gane Nishiki' PRINCE'S FEATHER An. Sun. 6-7 x 2-3'. Summer-Fall.
3436 Pink blooms. Scatter seed outdoors on mineral soil in fall to germinate in spring. Deer resistant. 7-8'. Showy
variegated leaves and hanging clusters of flowers late summer-frost. Germ: R, OW, SS, SIS. Zone 7a *Silberstein*
- Per3250** *Persicaria virginiana* 'Painter's Palette' JUMPSEED Per. Sun. 2-3+ x 2-4'. Late Summer-Fall.
0269 Tiny, almost insignificant red flowers in fall, but this plant is grown for its handsome green leaves splashed with cream
and maroon. Comes true from seed. Germ: CMS: 40 d, OW, SIS. Zone 7 *Ellis*
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 7a *Silberstein*
- Per2250** *Petunia integrifolia* An. Sun. 1 x 2-3'. Summer-Fall.
0592 Rambling interweaver. Doesn't self-sow for me. Purple/magenta flowers have silken sheen nice to catch sight of, even
straggling at season's end. Responds to judicious trimming. Picks well. Zone 6 *Malocsay*
- Peu1400** *Peucedanum verticillare* HOG'S FENNEL, MILK PARSLEY Per. Sun/PtSun. 6-10 x 2-3'. Summer.
0592 RHS says it is monocarpic after 4 or 5 months. Plant Delight plant set in fall worked its monster magic next summer
then cashed it. Handsome striate hollow stems, umbellate seed heads. If I had a spacious wild garden on the moist side and
not so long in the tooth I's SIS and praise monocarpic to the skies. Zone 6 *Malocsay*
- Pfe1000** *Pfeiffera monacantha* Indoor. Annual. Branches up to 18" long.
1999 Orange flowers. Delightful, slow-growing epiphytic cactus hailing from the rainforests of Argentina and Bolivia, it has
small orange flowers and fruit. Makes a fine hanging basket subject. Not hardy. Germ: Barely press seed into soil, then cover
with grit. Germination will occur in two weeks at 70°F. Seed loses viability quickly, sow upon receipt. Zone 8a *Norfolk*
Botanical staff
- Pha0200** *Phacelia bipinnatifida* FERNLEAF PHACELIA Bien. PtShade/Shade.
3176 Purple blooms. Spring blooming biennial native to Southeastern U.S. Will self-seed in shade or part shade. Makes a
stunning display in the woodlands at Mt. Cuba Center. Germ: NST. Zone 7a *Maber*
- Pha0300** *Phalocallis coelestis* GOBLET FLOWER Bulb. 3'-4'. Full sun. Summer. Zone 7b-10.
3645 Sky-blue flowers. Zone 7a *Roskoph*
- Phl0050** *Phlomis casbmeriana* 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*
- Phl0060** *Phlomis* 'Edward Bowles' HYBRID JERUSALEM SAGE Per/Shrub. Sun. 3 x 3'. Summer. Zone 7b-10b.
0199 Yellow blooms. Per/Shrub. Sun. 3 x 3'. Summer. Felty grey green foliage. Hybrid of ~*P. fruticosa* ~ x ~*P.*
russeliana ~ named for famed English gardener E. A. Bowles. Combines the shrubby habit with larger leaves and flower
spikes. Root hardy here for foliage only, or grow in a pot and move into cool garage for winter for a blooming summer
shrub. Likes heat, sun and drought. Seedlings may gravitate toward either parent. Zone 7 *Cresson*
- Phl0065** *Phlomis fruticosa* JERUSALEM SAGE Shrub. 2'-4'x3'-5'. Full sun. Summer. Zone 8-10.
0199 Yellow flowers. Tender Mediterranean shrub with fuzzy grey leaves that hold up well in our summer climate. Short
spikes of bright yellow flowers in early summer. Can be grown as a non-blooming perennial in colder climates or grow in a
pot to take in. I have had success in a protected site, covered with a Styrofoam box. I'm rather partial to this plant! Zone 7
Cresson
- Phy0800** *Physostegia virginiana* OBEDIENT PLANT Per. Sun/PtShade. 3 x 2+'. Late Summer-Fall.
3397 Pinky-purple flower color. Spreads steadily by rhizomes. Will stand sturdily most of the season but benefits from
staking early on so it won't flop at the end when the flowers bloom. Can tolerate wet feet. Zone 6b *Egbertson*

Physostegia - Primula

- Phy1100** *Physostegia virginiana* ssp. *praemorsa* SOUTHERN OBEDIENT PLANT, FALL OBEDIENT PLANT Per. 3'-6'. Partial Shade. Fall.
3561 Pink flowers. Drought-loving, non-suckering and with larger flowers than the species, syn. P. v. var. *speciosa*. Germ: CMS: 60 days. *Gorman*
- 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 7a *Silberstein*
- Pil1000** *Pilosella officinarum* MOUSE-EAR HAWKWEEED Per. Sun/PtSun. 8-12' tall. Early Summer. Zone 6-9.
0199 Forms a grey foliated 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 12-15". Summer.
0318 Blue flowers. *Garnett*
1277 Blue flowers, 2'. Zone 6a *Haas*
1607 Purple-blue flowers. Zone 7a *Jellinek*
- Pla4000** *Platycrater arguta* Shrub. PtShade/Shade. 3 x 3'. Early Summer-Early Fall.
3001 White flowers on hydrangea relative. Blooms early summer to September. Nice in the woodland garden. Germ: W; L. Zone 7 *Gregg*
- Ple1800** *Plectranthus scutellarioides* COLEUS Annual. .5'-3' tall. Partial shade-full shade. Summer.
3397 Blue flowers. 2ft tall, Parent had big chartreuse leaves with maroon and bright red centers, but seedlings will vary. Be surprised! Zone 6b *Egbertson*
- Pol0250** *Polanisia dodecandra* DWARF CLEOME An. Sun. 2 x 1½'. Summer-Fall.
0592 White flowers with orange anthers overcame my dislike of the sticky, skunky downside of ~Cleome hassleriana~. Long-lasting in bouquets--not for nosing. Zone 6 *Malocsay*
0797 White flowers. Germ: BC; SIS. *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 7a *Silberstein*
- Pol2700** *Polygonatum biflorum* SOLOMON'S SEAL Per. PtShade/Shade. 1-5 x 3'. Spring/Summer.
0926 White flowers with green tips. Graceful arching woodlander with pendant flowers followed by blue fruit. Propagation slow, but worth the wait. Do not let the seed dry out before sowing keep moistGerm: CMS; Cycle 40°--70°--40°--70°; Sow ASAP. *Streeter*
- Por3050** *Portulaca grandiflora* MOSS ROSE An. Sun. 4-6 x 8-12". Summer.
0592 Mixed colors, some doubles. Old-time enamel dishpan darling does better in larger amounts of decent ground so long as it's well drained. I like its cheerful vulgarity and the way bees wild and honey circle round inside in an ecstasy of busyness. Volunteers freely. Germ: NST. Zone 6 *Malocsay*
- Pot2150** *Potentilla* species CINQUEFOIL Per. Sun. 1½ x 1½'. Summer.
0592 Soft yellow wilding, nice stray wanderer for informal areas. Self-sows but not to excess. Zone 6 *Malocsay*
- Pot2450** *Potentilla thurberi* CINQUEFOIL Per. Sun/PtShade. 1½ x 1'. Spring/Summer.
0592 Quiet but people notice its bits of rich red. Doesn't self-sow for me. Germ: NST Zone 6 *Malocsay*
- Pri2000** *Primula japonica* JAPANESE PRIMROSE, FAIRY PRIMROSE Per. PtShade. 12-15 x 15-18"; to 18-24" in bloom. Spring.
1228 Useful for cut flowers. Great plant for pollinators. Germ: SS. *Labash*
- Pri2100** *Primula japonica* 'Miller's Crimson' JAPANESE PRIMROSE Per. Sun/PtShade. 2 x 1'. Spring.
0199 Red flowers. The easiest candelabra species. Zone 7 *Cresson*
- Pri2270** *Primula japonica* (peppermint striped) JAPANESE PRIMROSE Per. Sun/PtShade. 2 x 1'. Spring.
0199 This is the easiest candelabra primrose species to grow in the mid-Atlantic. Pink and white peppermint striped flowers, blooming the whole month of May. Came from Dick Lighty's garden & I've never seen it or reference to it elsewhere. Zone 7 *Cresson*

- Pri3350** *Primula veris* COWSLIP, ENGLISH COWSLIP Per. PtShade. 6-10 x 6-10". Early Spring.
1228 Cut flowers. Great pollinator plant. Germ: CMS; SS. *Labash*
1277 Yellow blooms. A cheerful and dependable spring primrose. Germ: OW, CMS 90 d. Zone 6a *Haas*
- Psc1000** *Pseudogynoxys chenopodioides* MEXICAN FLAME VINE TenVine. Sun. 6-12 x 3-6'. Summer- Fall. Zone 9-10.
0200 Bright orange blooms on gorgeous, tender perennial, from cuttings, 10-15'. Cultivar 'Rio'. Germ: BH; L. Zone 7
Creveling
- Pul1040** *Pulsatilla vulgaris* PASQUE FLOWER Per. Sun. 6 x 12". Spring.
3666 Purple. 12" x 12". Good in very dry soil. Zone 5 *McGowan*
- Pyc1050** *Pycnanthemum muticum* MOUNTAIN MINT Per. Sun. 2½ x 1½'. Summer-Fall.
1228 Uses: Culinary, dried flower, and cut flower. Bees love it. Germ: WMS. *Labash*
- Pyc1070** *Pycnanthemum pilosum* HAIRY MOUNTAIN MINT, AMERICAN MOUNTAIN MINT Per. Full sun-part shade. 1'-3' tall.
White flowers July to September. Zone 4-8.
3561 Flower color white. My most popular plant with solitary bees & wasps, cut some halfway back for extended bloom & delicious tea. Germ: W; SS; Maximum germination time 14 days: NST. *Gorman*
- Pyc4000** *Pycnostachys urticifolia* BLUE WITCHES HAT Houseplant - zone 9,10; Full sun; 1'-3' tall; Fall to Spring.
1999 Terminal spikes of intense cobalt blue flowers open from the bottom up, giving the appearance of a witch's hat.
Native to South Africa, hedgehog sage blooms from late fall to early spring. Makes an exceptional houseplant if fertilized regularly. Flowering is dependent on short day length. Can be hard pruned if necessary; plants will still bloom if days are short. Germ: Soak in hot (not boiling) water for 24 hours; repeat procedure for any seeds that have not imbibed water, then sow at 70° F for germination in 7 to 21 days; W; Can flower first year from seed. Zone 8a *Norfolk Botanical staff*
- Que3000** *Quercus texana*
0032 *Plant Delights*
- Rab1000** *Rabdosia longituba* Per. Sun/PtSun. 5 x 2'; to 6' in bloom. Fall.
0199 Blue flowers. Japanese native with tubular blue flowers in branched clusters at the nodes all along the stem in late September to October. White seedlings occur. Lovely supported by adjacent shrubs. Height 4-5'. Zone 7 *Cresson*
- Rat3000** *Ratibida columnifera* MEXICAN HAT Per./An. Sun. 3-5 x 2'. Summer.
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 6 *Malocsay*
2504 Yellow form- pure yellow flowers. 3' tall. Germ: Sow in situ. *Mills, M*
- Res1500** *Reseda luteola* Bien. Sun/PtSun. 2-5 x 1'. Late Spring-Summer.
0118 Yellow blooms. Long, meandering, slender spikes of small, yellowish flowers top narrow, lance-shaped leaves. Annual/biennial to 5'. Sun. Germ: W, SS. Zone 5a *Stonecrop Gardens*
- Rha0500** *Rhapidophyllum bystrix* NEEDLE PALM, BLUE PALMETTO Palm. Sun/PtShade. 5 x 5'. Summer.
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*
- Ric1160** *Ricinus communis* 'Carmencita' CASTOR BEAN An. Sun. 5-6+ x 5'. Summer.
0200 Maroon and white blooms, bold bronzy leaves on tropical, poisonous plant. Will self-sow. Germ: SIS. Zone 7 *Creveling*
- Ric1230** *Ricinus communis* 'Carmencita Red' CASTOR BEAN TenPer. Sun. 6-9'. Summer.
0590 Red blooms. Seed from 2015-16 Seed Exchange. Zone 7a *Mabony*
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 6
Doblmaier
- Ric1400** *Ricinus communis* *Laotian Red*
0032 *Plant Delights*

Ricinus - Sabal

- Ric1500** *Ricinus communis* 'New Zealand Purple' PURPLE CASTOR BEAN Shrub. Sun. 6-10'. Late Summer/Early Fall. Zone 8a-11.
2515 Red blooms. Have propagated the seed of this plant for a long time. Love this plant for a taller accent in containers. All parts of the plant are poisonous. Germ: BH. Start plants by the end of February to have sturdier plants in May. Zone 6
Doblmaier
- Rid1000** *Ridolfia segetum* 'Goldspray' COW PARSLEY Annual. 3'-4' x 2'. Full sun-partial shade. Summer.
2621 Acid Yellow flowers. HHA Seldom seen in cultivation, dill-like glabrous leaves 3-4'x2'w, full sun, med moisture, well drained summer thru fall. Germ: D. W. NST. Zone 6
Nachlas
- Roh1050** *Robdea japonica* NIPPON LILY, SACRED LILY Per. PtShade/Shade. 12-18". Spring. Zone 6-10.
3001 Slow-growing Asian broadleaf shade perennial to about 14". Forms clumps over time. Mature plants produce red berries in late fall. Germ: CMS 2 mo. Zone 7
Gregg
- Ros5300** *Rosa roxburghii* CHESTNUT ROSE Shrub, 6-8 x 6-8'. Zone 6-9.
0926 Pink double flowers becoming very ornamental, bright yellow, prickly hips. Germ: CMS: 3-5 mo. Do not let seed dry out. *Streeter*
- Ros5400** *Rosa rugosa* RUGOSA ROSE Shrub. Sun. 4-6'. Summer-Fall.
0926 Fragrant dark pink flowers in summer, followed by large prickly hips on a hardy, tough shrub rose with very prickly stems. Worth the prickles! From Isle au Haut, Maine. *Streeter*
- Rub1000** *Rubus lastostylus* var. *hubeensis* GHOST BRAMBLE Shrub. 5'. Full sun-partial shade. Zone 5.
0199 Cream flowers. Arching glaucous white stems are most noticeable in winter. Flowers and fruit are not noteworthy. Of the various white stemmed raspberries, this is one of the most rarely seen species in cultivation. From a wild collection in Hubei province, China in 1980. Zone 7
Cresson
- Rud1850** *Rudbeckia fulgida* var. *sullivantii* 'Goldsturm' Per. Sun. 12 x 12"; to 2' in bloom. Summer-Fall.
1277 A workhorse of a plant. Blooms almost all summer and into fall. Zone 6a
Haas
- Rud5100** *Rudbeckia triloba* BLACK-EYED SUSAN, BROWN-EYED SUSAN Bien./Per. Sun/PtShade. 5 x 3'. Summer-Fall.
1939 Yellow flowers. Native plant. Three-lobed basal leaves. Germ: BH: 6-10 days; NST; SIS; SR. Zone 6b
Urffer
- Rud5200** *Rudbeckia triloba* 'Prairie Glow' BROWN-EYED SUSAN Per. Sun. 3½ x 1'.
1224 Yellow/red flowers. Germ: NST. *Lockhart*
2937 Burnt orange petals with yellow tips blooms. An annual, biennial, or short lived perennial depending on its mood, the 5' plants will have a range of fully yellow to completely orange 2" flowers. Zone 6a
Bittmann
- Rue0300** *Ruellia caroliniensis* CAROLINA WILD PETUNIA, HAIRY PETUNIA Per. Sun/PtShade. 6-36 x 6-9". Summer. Zone 6-10.
0199 Pinkish purple blooms. Upright clumps 1-2' tall. June-August bloom. Tolerates dry shade. Zone 7
Cresson
- Rue1040** *Ruellia humilis* WILD PETUNIA Per. Sun/PtShade. 1 x 1'. Summer.
1277 Blue-violet flowers. Perennial. Mine only got to 1'. Nice plant. Zone 6a
Haas
- Rum0150** *Rumex sanguineus* var. *sanguineus* BLOODY DOCK Per. Sun. 15-18 x 15-18".
3397 Tiny green flowers. 1ft tall clumps of tropical-looking foliage with brilliant red veins. Remove inconspicuous flowers to prevent ready self-sowing. Germ: NST. SIS. Zone 6b
Egbertson
- Rut1010** *Ruta graveolens* COMMON RUE Per. Sun. 2 x 2'. Summer.
0951 Yellow flowers. *Tracey*
1228 Cut flower. Butterflies love it. Popular with potters for the leaf. Germ: WMS. *Labash*
- Sab0100** *Sabal miamiensis* *Papay form*
0032 Source: Mike Papay *Plant Delights*
- Sab0400** *Sabal blackburniana* CABBAGE PALMETTO Palm. Sun/Pt. Shade. 30'. Summer. Zone 8-11.
0032 *Plant Delights*
- Sab0450** *Sabal x brazoriensis*
0032 *Plant Delights*

- Sab0530** *Sabal minor* 'Chipola Dwarf' CHIPOLA DWARF SCRUB PALMETTO PALM Palm. Sun/Light Shade. 2 x 5'. Summer. Zone 7-10.
0032 Dwarf form of Southeast US native, bush palmetto. Source: Hayes Jackson *Plant Delights*
- Sab0540** *Sabal minor* 'High Springs'
0032 *Plant Delights*
- 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 7a *Silberstein*
- Sab0580** *Sabal minor* 'McCurtain' DWARF PALMETTO, BLUESTEM PALMETTO, BLUE PALM Palm. Sun/PtShade. 4-6 x 4-6'.
Spring-Summer. Zone 6-7.
0032 Cream flowers. Cv. is more vigorous than species. *Plant Delights*
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 hardiest member of the palm family. Shrubby fan palm; no trunk. Zone 7a *Silberstein*
- Sab0700** *Sabal minor* 'Wakulla Dwarf' WAKULLA DWARF SCRUB PALM Palm. Sun to Light Shade. 18" x 3'. Summer. Zone 7-10.
0032 Dwarf. Evergreen. 3' tall seed stalk in late summer. *Plant Delights*
- 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.
1277 Sky blue. Can grow tall- to 5'. Should be cut back so it can bush out. Zone 6a *Haas*
2515 Lovely light blue salvia. Drought tolerant. Native to central US. A real bee magnet. Zone 6 *Doblmaier*
- Sal1100** *Salvia coccinea* 'Brenthurst' An. Sun. 20-30 x 12". Summer-Fall.
0318 Pink. An. Sun. 20-30 x 12". Summer-Fall. *Garnett*
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. *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 6 *Malocsay*
- Sal1250** *Salvia coccinea* 'Lady in Red' SALVIA An. Sun/PtSun. 3-4 x 2'. Summer-Fall.
0200 Red blooms all summer. Hummingbirds love it. Germ: NST. Zone 7 *Creveling*
1277 Red flowers. Airier than ~S. splendens~. Germ: NST, W. Zone 6a *Haas*
- Sal1750** *Salvia forskaooblei* Per. Sun/PtShade. 1½ x 1½'. Summer.
1607 Blue-violet flowers. Germ: L. W. Zone 7a *Jellinek*
2515 The violet-blue and white flowers are stunning on this long-blooming salvia. Bloomed the first year from seed. Zone 6 *Doblmaier*

Salvia - Salvia

- Sal1760** *Salvia glabrescens* Per. PtShade. 2 x 3'. Fall. Zone 5a-7b.
0199 Pink/purple blooms. Per. PtShade. 2 x 3'. Fall. Pink or purple flowers bicolored with white. Seed from Ed Bowens hybrids between the species and var. robustum combining compact habit with larger flowers. An improvement over older cultivars. Zone 7 *Cresson*
- Sal2100** *Salvia greggii* 'Hardy Pink' TenPer. Shrub. Sun. 1½ x 2'. Summer.
2515 Bright, pink flowers. Seed collected from a friends house outside of Austin, TX a few years ago. The plants surprise me and keep coming back. My plants bloom in midsummer to frost and arch. Zone 6 *Doblmaier*
- Sal2350** *Salvia guaranitica* ANISE-SCENTED SAGE An./TenPer. Sun/PtShade. 5 x 2'. Summer-Fall.
0318 Deep, strong, true blue flowers. *Garnett*
0522 Brilliant, true-blue flowers. Blooms for months. *Kushner*
0590 Blue flowers. Collected from some cobalt blue and medium blue specimens. Zone 7a *Mabony*
- Sal3290** *Salvia* 'Madeline' MEADOW SAGE Per. Sun/PtSun. 24". Summer. Zone 5a-8b.
2515 Bicolor purple/white flowers are delightful in late spring for about a mo. Loves dry conditions in my garden. Germ: NST. Zone 6 *Doblmaier*
- Sal3370** *Salvia nutans* NODDING SAGE Per. Sun/PtSun. 48". Early Summer Zone 6-8.
0032 Pendent clusters of purple flower. Tolerant of heat and humidity. *Plant Delights*
- Sal3600** *Salvia roemeriana* Per. Sun/PtSun. 18 x 24". Late Spring.
2515 Red flowers. Bloomed from May to June and intermittently to frost. Small plants made a bold statement in the front of the border. Group three together for more impact. Likes a drier soil. Zone 6 *Doblmaier*
- Sal3850** *Salvia patens* 'Blue Angel' BLUE ANGEL GENTIAN SAGE Per. Sun. 24-28". Mid-Summer to frost.
1277 Ultramarine blue flowers. Park's, where I purchased this seed, lists it as Zone 8. I have grown it now for several years in a protected spot by my polyhouse, and I am zone 6A! Try it. Germ: BH. Zone 6a *Haas*
- Sal4050** *Salvia penstemonoides* GIANT RED TEXAS SAGE Per. Sun/PtShade. 3-5' x 12". Summer-Fall. Zone 6a-9b.
2515 Fuchsia-colored blooms. Native wildflower. Germ: NST. Zone 6 *Doblmaier*
- Sal4250** *Salvia reptans* West Texas form COBALT SAGE Perennial. Full sun to Partial shade. 3' tall. Summer.
2515 Blue flowers (need I say any more??) on slightly arching stems of this Salvia. Planted this with the annual *Abelmoschus manihot* and it was stunning in late Summer/early Fall. Zone 6 *Doblmaier*
- Sal4890** *Salvia splendens* 'Louie's Orange Delight' TenPer. Sun/PtShade. 18-24 x 18-24". Summer-Fall.
0199 Orange blooms. Nonhardy bushy annual that blooms continuously, even in winter as a houseplant. Easy from seed or cuttings. I couldn't do without this in my hot color border summer to fall, 2-3' tall and wide in rich soil and sun. Apparently this is the true form rather than the red thing under this name in garden centers. Comes true from seed. Zone 7 *Cresson*
0965 Vermillion/orange flowers. This is not a marigold orange but a near red. A brilliant addition to the summer/fall garden. From Charles Cresson seed which I have had trouble germinating in the past,. These seeds are from plants started by A. Kushner. Germ: BC. Zone 7a *Umpbrey*
- Sal4910** *Salvia splendens* 'Peach' An. PtShade. 3-4 x 3'. Summer-Fall.
0522 A tall coral peach salvia. Mine grew to 5' and started blooming in June-October. *Kushner*
- Sal4940** *Salvia* 'VanHouttei' SALVIA Annual. 2'-4'. Full Sun. Summer.
0951 Pink/peach flowers. *Tracey*
- Sal5150** *Salvia tillifolia* An. Sun. 36-48 x 24-36". Late Summer-Early Fall.
2515 Purplish blue blooms. Lovely salvia that blooms all summer long with deadheading. I've tried this plant in containers and in garden beds and it does much better in the ground. The original seed was from the 2013-14 HPS Seed Exchange. Will reseed. Germ: W, NST. Zone 6 *Doblmaier*
- Sal5300** *Salvia uliginosa* BOG SAGE An./TenPer. Sun. 4-6 x 3'. Late Summer-Fall. Zone 6a-10b.
2515 Blue flowers. Can tolerate a wet site. Flowers later in the summer. Zone 6 *Doblmaier*

- San0100** *Sanguisorba armena* Per. Sun/PtShade. 3-4'. Late Spring/Early Summer.
0199 White blooms. Large glaucous 3' foliage resembles ~*Melanthus major*. ~ Nodding, white, bottle-brush flower spikes in early summer. Probably best with part sun and moist soil. Turkish native. Zone 7 *Cresson*
- San1200** *Sanguisorba officinalis* GREAT BURNET Per. Sun. 2½ x 2-3'. Late Spring-Early Summer. Zone 4-8.
0590 Deep red, bottlebrush or catkin-like blooms. 3-4 x 2-2½'. Zone 7a *Mabony*
- San1400** *Sanguisorba obtusa* JAPANESE BURNET Per. Sun/PtShade. 2½ x 2'. Summer-Fall.
0199 Spikes of pink bottlebrush blooms July to Sept. Enjoys rich organic soil. Similar to ~*S. hakusanensis*~, but later bloom. Japan. Zone 7 *Cresson*
0507 Pink flowers. Striking foliage and blossoms, but it never quite delivers for me. In theory, a striking plant. Kolo. Zone 7 *Kolo*
- San1850** *Sanguisorba tenuifolia* 'Purpurea' Per. Sun/PtShade. 4-6 x 1½'. Fall.
1999 Elongated spikes of burgundy-red, bottlebrush-like flowers are set off by dramatic, shiny green pinnately compound foliage. Excellent cut flowers. To be reliably perennial, Japanese burnet should be grown in full sun and have sharp winter drainage. Hardy in Zones 4 to 8. Plants often turn yellow in the autumn. Germ: CMS: 90 d. Soak: 24 hr. Soak seeds in warm water for 24 hours then cold/moist stratify for 90 d. Germination will commence in 7-14 d when seeds are returned to 70°F. W. Zone 8a *Norfolk Botanical staff*
- San3050** *Sanvitalia* species An.
0592 Tiny golden daisies with greenish centers. May be *S. procumbens*. All sprawl with dainty grace. Fairly good, well-drained ground or containers. Germ: SIS; Under lights, be careful of disturbing roots. Zone 6 *Malocsay*
- 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. *Scofield*
- Sar1400** *Sarcococca orientalis* WINTER BOX Shrub. 4'. Zone 6-9.
0199 White flowers. December bloom! Relatively new species from China. Surprisingly hardy. Rounded evergreen shrub with fragrant white flowers from pinkish buds. Takes heavy shade. Black fruits ripen the following autumn. Zone 7 *Cresson*
- Sar2010** *Saruma henryi* UPRIGHT WILD GINGER Per. PtShade/Shade. 12-18 x 15-18". May-June. Zone 4-8.
0084 Clear light yellow blooms. Asian perennial for partial shade blooms in May and June. Attractive heart-shaped leaves add interest. Seeds around a bit, but not excessively. Germ: C, NST. Zone 6b *Bowditch*
0199 Yellow flowers. Charming shade plant with heart-shaped leaves. Flowers at least 2 months in spring, or longer in cool weather. Sows itself into interesting places without becoming weedy. Zone 7 *Cresson*
- Sau1050** *Sauromatum venosum* VOODOO LILY TenBulb. PtShade. 1½'. Spring/Summer.
3321 Spathe is burgundy with gold flecks and spadix is black. Great tropical looking plant 3' tall with huge hand shaped leaf on a black spotted stem, starts out late in Spring with huge tongue-like spathe which emits the smell of horse manure for 1 day, but leaves lasts until frost. Germ: Soak 1 day. Have accidentally germinated seeds by leaving pots with seeds mixed in compost of other plants outside or in cold frames during winter. Zone 6 *Perron*
- Sax1000** *Saxifraga pensylvanica* EASTERN SWAMP SAXIFRAGE Per. Sun/Shade. 3'. Spring.
0199 Greenish yellow flowers. Basal rosettes produce tall spikes of small flowers in May-June. Native plant adapted to sun or shade in constantly moist locations. Zone 7 *Cresson*
- Sca1500** *Scabiosa crenata* DWARF SCABIOSA
1277 Charming blue scabiosa flowers on 8" stalks arising above 4" mounds of green foliage. Great trough or rock garden plant. Needs dry conditions. Perennial; sun. Germ: CMS: 90 d. Zone 6a *Haas*
- Sca2400** *Scadoxus* 'Konig Albert' ('King Albert') Bulb.
0199 Red blooms. German hybrid ~*S. puniceus*~ x ~*S. multiflorus*~ ssp. ~*katherinae*~ Bright red flowers. Spherical flower heads, 2' high in summer. Wide, nearly evergreen foliage. Red berries, fall/winter. Easy tropical pot plant. Warm or cool and nearly dry in winter, like clivia. Likes my shaded patio in summer. Zone 7 *Cresson*

Scadoxus - Setaria

- Sca2500** *Scadoxus multiflorus* subsp. *katherinae* BLOOD LILY, SEA EGG, POWDER PUFF TenBulb. PtShade. 12-24 x 9-18". Spring-Summer.
0199 Bright red flowers. Spherical flower heads, 2' high in summer. Wide, nearly evergreen foliage. Red berries, fall. Easy tropical pot plant. Warm or cool and nearly dry in winter, like clivia. Likes my shaded patio in summer. South African fall. Zone 7 *Cresson*
- Sca7200** *Scabiosa graminifolia*
0032 Germ: Source: Mike Kintgen *Plant Delights*
- Sci1010** *Scilla autumnalis* AUTUMN SCILLA Bulb. Sun/PtShade. 2"; to 12" in bloom. Summer-Fall.
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 5a *Stonecrop Gardens*
3321 Pink-purple blooms. Great late season color. Zone 6 *Perron*
- Sci2020** *Scilla scilloides* (late form) CHINESE SCILLA Bulb. Sun/PtShade. 2'. Summer-Fall.
0199 Often grown under the misnomer ~*S. numidica*~, this late blooming form is a bit huskier and deeper in color. Self-sows vigorously in the rock garden, so deadhead. Try near early colchicums. Blooms August-September. Zone 7 *Cresson*
- Scu4010** *Scutellaria incana* DOWNY SKULLCAP Per. Sun/PtShade. 2-3 x 2'. Summer-Fall.
0199 Light blue. Attractive gray-green foliage. The combination of light blue flowers and gray foliage is charming, particularly in dry moderate shade under white pine or beech, which it seems to prefer to my richer flower borders. Zone 7 *Cresson*
1017 Blue flowers in midsummer. July-blooming self-supporting 24-30" perennial. Very robust and welcome, but can seed around when happy. Zone 5b *Whitesell*
1580 Medium blue flowers. Lovely blue flowers in late June, early July. 30" high, sun to part shade. Germ: NST. SS. SIS. 14-180 max. germ. time. Zone 6-7 *Romenesko*
2515 Blue flowers and gray foliage is attractive together. Does not reseed for me. Germ: NST. Zone 6 *Doblmaier*
9985 Blue blooms. Native. Germ: CMS: 90 d. Zone 7a *Jenkins Arboretum*
- Scu4400** *Scutellaria ovata* HEART-LEAF SKULLCAP Per. 12 -28". Late Spring-Early Summer.
0199 Blue-purple blooms. A pretty plant with blue-green leaves, spreading by rhizomes. Tolerates poor dry soils. Southeastern US. Zone 7 *Cresson*
- Scu6000** *Scutellaria suffruticosa* TEXAS SKULLCAP Per. 10 x 13". Spring. Zone 7.
0199 Reddish pink blooms. Despite the name, a Mexican native tolerant of heat and humidity. Spring bloom continues sporadically through summer on a compact plant 8" tall. Has created an attractive slowly spreading mass in my rock garden. Zone 7 *Cresson*
- Sen1800** *Senna hebecarpa* WILD SENNA Per. Shade. 4-6 x 2½'. Summer.
0199 Yellow flowers. Branched heads of yellow pea-shaped flowers. Self-sows in my meadow. Tropical appearance. Native. Zone 7 *Cresson*
- Sen2010** *Senna marilandica* WILD SENNA Per. Sun/PtShade. 3-6 x 2-3'. Summer-Fall.
0797 Yellow flowers. Self-sows gently for me. May need CMS. *Robinson*
1277 Yellow flowers. Blooms spring to fall. Zone 6a *Haas*
- Ses1000** *Sesame indicum* SESAME Annual. 3'. Full sun-partial shade. Summer.
2515 Interesting annual that produces edible sesame seeds. White flowers all summer. Remove the seed heads in August or when they open or look ripe and place in a paper bag upside down. Drought tolerant. Germ: NST. Zone 6 *Doblmaier*
- Ses1200** *Sesbania drummondii* RATTLEBOX, POISONBEAN Shrub. Sun. 15-20'. Mid-Spring, blooms repeatedly. Zone 8-11.
1999 Yellow blooms with red streaks. Large deciduous shrub. Fine pinnate foliage. Decorative seedpods. POISONOUS. Zone 8a *Norfolk Botanical staff*
- 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 7a *Silberstein*

- Sho1000** *Shortia x intertexta* 'Leona' HYBRID OCONEE BELLS Per. 6"-12". Partial shade. Spring. Zone 5-7.
0199 Pale pink flowers. This hybrid of our native *S. galacifolia* and the Japanese *S. uniflora* was created in Washington state around 1970 and has proven more vigorous and easier to grow than our persnickety native species. It rarely produces seed here, so don't miss this chance! Provide acidic consistently moist organic soil with good drainage. A North facing site with bright light, but no direct sun, is ideal. Zone 7 *Cresson*
- Sil0050** *Silene armeria* SWEET WILLIAM CATCHFLY, NONE-SO-PRETTY An./Bien. Sun/PtShade. 12-24" in bloom. Summer.
0199 Pink flowers. Rosettes of narrow, glaucous leaves produce airy sprays of tiny, hot pink blooms, perfect among perennials. Allow to self sow and it will always be there. Zone 7 *Cresson*
0797 Hot pink blooms. Germ: SIS; NST. Self-sows. *Robinson*
- Sil0210** *Silene carolinianum var sherryi* 'Short and Sweet' WILD PINKS, CATCHFLY Per. Sun/PtShade. 6-8". Late Spring-Early Summer. Zone 4-7.
2515 Pink flowers that are showy for about a month and a half in Spring in partial shade. Seed obtained from the HPS Seed Exchange 3 years ago and this was the first year it flowered. Zone 6 *Doblmaier*
- Sil1600** *Silene ovata* BLUE RIDGE CATCHFLY Per. Sun/PtSun. 12-60 x 12-20". Summer/Fall. Zone 7-8.
0032 *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*
1277 Red flowers. Grow on the dry side. Very similar to ~*Silene virginica*~, Fire Pink. Zone 6a *Haas*
- Sil2010** *Silene species* CAMPION, CATCHFLY Per. Sun. 8-15 x 12"; to 24" in bloom. Late Spring-Summer.
0592 Vivid pink flowers. Dainty self-sower, no great shakes, just nice to have around. When it tires, I weed it out; volunteers are apt to appear any time. Somewhat winter hardy. Picks well. Germ: SIS, NST. Pleasant self sower. Zone 6 *Malocsay*
- Sil2650** *Silene uniflora* 'Compacta' ROCK CAMPION, CATCHFLY Per. Full/PtSun. Zone 3-9.
3666 White/pink. 12" x 12". Good in very dry soil. Zone 5 *McGowan*
- Sil2700** *Silene virginica* Per. Sun/PtShade. Spring.
1277 Zone 6a *Haas*
- Sil4200** *Silphium mobriti* SHAGGY ROSINWEED Perennial. Sun/Pt Sun. 2'-5' x 3'. Late Summer.
0199 Yellow flowers. The allure of this plant is the soft lemon-yellow flowers in late summer on branched stalks above large basal leaves. A respite from the many mustard yellow Autumn daisies. A southeastern US native. Zone 7 *Cresson*
- Sil4260** *Silphium perfoliatum* CUP PLANT Per. Sun/PtShade. 8 x 4'. Summer-Fall.
1017 Yellow blooms. Tall, late summer color. Generally stands without staking. Coarse texture, good for a meadow. Zone 5b *Whitesell*
9985 Zone 7a *Jenkins Arboretum*
- Sil4370** *Silphium terebinthinaceum* ROSIN WEED, PRAIRIE DOCK Per. Sun. 1-2'; from 6-8' in bloom.
0032 *Plant Delights*
- Sis0750** *Sisyrinchium angustifolium* BLUE-EYED GRASS Per. Sun/PtShade. 10-12 x 8-12"; to 15" in bloom.
1277 Zone 6a *Haas*
- Sis1650** *Sisyrinchium striatum* Per. Sun/PtShade. 20". Early Summer.
0199 Cream flowers with yellow centers on tall spikes over a long period. A Chilean native that is hardy in mild winters, but persists by self-sowing. Iris-like foliage. Charming. Zone 7 *Cresson*
- Sol0750** *Solanum lycopersicon* 'Hagan's Little Yellow' HAGAN'S LITTLE YELLOW CHERRY TOMATO Ann. 5'x2'-3'. Full sun. Summer.
0199 Yellow blooms. A good tasting yellow cherry tomato that is truly crack resistant, even after a rain! Prolific all summer. An heirloom, originally from Seed Savers where you can get the full story. Indeterminate. Zone 7 *Cresson*

Solanum - Sporobolus

- Sol1250** *Solanum quitoense* NARANJILLA, LULO, SPINY TOMATO TenPer. Sun. 6-8 x 4'. Summer-Fall. Zone 9b-11.
0269 White insignificant blooms. This is an 8' shrub from South America that is grown as a tender perennial. White 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. Germination is similar to tomatoes, but plants take up to 12 mo to begin fruiting, so for fruiting plants, grow them in containers and overwinter in a greenhouse or indoors. Germ: BH, BC; Germination time is unknown, but 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. Zone 7 *Ellis*
- Sol1450** *Solidago bicolor* SILVERROD Per. Sun/PtShade. 1-3'. Summer-Fall.
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 caesia* WREATH GOLDENROD Per. PtShade/Shade. 2'. Fall.
1607 Yellow flowers. Can take shade, flowers in loose clusters in leaf axils. Germ: CMS: 90 - 140 days, then shift to 70F for germination. Zone 7a *Jellinek*
- Sol2250** *Solidago odora* ANISE-SCENTED GOLDENROD Per. Sun/PtShade. 24-60 x 12". Late Summer-Fall. Zone 5-9.
1607 Zone 7a *Jellinek*
2497 Yellow flowers. Dark green anise-scented foliage. Native to east coast. Zone 7b *Mackey*
- Sol2500** *Solidago ptarmacoides* UPLAND WHITE ASTER Per. Sun/PtShade. 12 x 12". Summer.
0951 White blooms. Rare in nursery lists, but an easy, always attractive, August-blooming aster with basal clumps of linear foliage and sprays of small white flowers on 15-24" stems. Likes hot, dry, sunny sites. Nice as a cut flower. Germ: BC; NST. *Tracey*
- Sop1050** *Sophora davidii* Shrub. Sun. 8 x 10'. Spring-Early Summer.
0045 Light indigo blue/white, pealike blooms in spring. Dark green pinnate foliage, shrub is 8 x 10' after 25 yr. Not well known. A bit of good blue in the spring. Germ: Scfy. A hard seed coat: pour water over seed and let that sit overnight (water will cool). Sow immediately. Sow under grit, maybe ¼-½". May be slow to germinate. 2 yr. Germination is sporadic. Zone 6b7a *Bartlett*
0199 Lavender-blue flowers. This central Chinese shrub tolerates heat, drought and humidity, perfect for the "new climate". Clusters of pea-like flowers in May. Finely textured compound foliage all summer. Prune occasionally to keep dense. Zone 7 *Cresson*
0269 White with pale blue blooms. Native to southwestern China, this is a spiny shrub that can reach 6-8' high and wide, although with pruning it can be kept smaller. Plants feature pinnate, 4"-long, blue-green leaves and 6"-long clusters of small pealike flowers in late spring. They add attractive, lacy texture to shrub borders. Full sun, but tolerates part shade. Rich, well-drained soil. Established plants tolerate heat and drought. Germ: Scfy, Soak, W, BC. Scarify seeds then soak overnight before sowing. Plants should germinate in a couple of weeks. Zone 7 *Ellis*
- Spi1250** *Spigelia marilandica* INDIAN PINK Per. Shade/PtShade. 1-2 x 1-2'. Spring-Summer. Zone 5-9.
0199 Zone 7 *Cresson*
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 *Garnett*
1277 Zone 6a *Haas*
2504 Small vertical cones of red with yellow start at end. 30". Mature plant will have 15 or more stalks. Midsummer; this strain typically reblooms. Good drainage, mixed sun/shade. Never try to divide a large plant; it's fatal. Germ: No experience since it self sows; suggest scattering in situ immediately upon receipt to mimic natural cycle. *Mills, M*
- Spo1250** *Sporobolus wrightii* DROPSEED PerGrass. Sun.
0032 *Plant Delights*

- Sta2010** *Stachys albotomentosa* HILDAGO STACHYS, 7-UP PLANT TenPer. Sun. 1½ x 3'. Summer-Fall.
0199 Salmon flowers. Woolly gray foliage. Not quite hardy, but worth the extra trouble. Easy from cuttings or division. Great summer pot plant or add to mixed border. Seedlings vary in depth of color. Originally collected near Hidalgo, in Eastern Mexico, by Yucca Do Nursery. Zone 7 *Cresson*
- Sta3200** *Stachys minima* DWARF BETONY Per. Sun/PtShade. 6-12 x 15-18". Spring-Summer.
1607 Pink-purple flowers. Rosettes of crinkly leaves bear 4-6" spikes of pink-purple flowers in early to midsummer. Plants do well in full sun and well-drained soil. Easy to grow. Zone 7a *Jellinek*
- 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. *Scofield*
- Sta3600** *Stachys spathulata* DWARF BETONY Per. Full/PtSun. 6-12" x 15-18". June to July. Zone 5-8.
3666 Zone 5 *McGowan*
- Sta5010** *Stachyurus praecox* Shrub/Tree. PtShade. 12 x 10'. Late Winter-Early Spring.
1999 Unique, dangling chains of creamy primrose yellow winter flowers reminiscent of a string of pearls. Blooms appear before the leaves, adding drama. Choice vase-shaped winter-blooming shrub. Provides much needed nectar for bees and other early pollinators. A mature specimen in peak bloom is a sight to remember. Germ: BC 30 days, W, NST. Zone 8a *Norfolk Botanical staff*
- Sta8750** *Staphylea trifolia* AMERICAN BLADDERNUT Shrub. Sun/PtShade. 10-15 x 6-8'. Spring.
1277 Zone 6a *Haas*
- Ste1400** *Stewartia rostrata* Shrub. Sun/PtShade. 15-25'. Spring. Zone 6-7.
3666 White with pink blush. 20' to 30'. Fast growing and flowering, good fall color. Zone 5 *McGowan*
- Sto2000** *Stokesia laevis* STOKES ASTER Per. Sun/PtShade. 6 x 8"; to 12-18" in bloom. Summer.
1607 Blue flowers. Zone 7a *Jellinek*
3321 Some blue, some yellow blooms. Late summer bloomer, easy to raise from seed. Germ: W, SR. Zone 6 *Perron*
- 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 7 *Creveling*
- Sty0500** *Stylophorum diphyllum* CELANDINE POPPY Per. PtShade/Shade. 1-1½ x ½-1'. Spring.
1228 Beautiful planted under trees. Germ: WMS. *Labash*
- 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*
- Sym0050** *Symphoricarpos orbiculatus* CORALBERRY Shrub. 2'-5' x 4'-8'. Full Sun-Partial Shade. Summer Zone 2-7.
1228 Wildlife plant. *Labash*
- Sym0150** *Symphyotrichum cordifolium* BLUE WOOD ASTER Per. PtShade. Late Summer-Fall.
0269 Pale blue or white daisies with yellow centers. A native aster that bears very pale blue or white starry, 3/4" flowers in early to mid fall on 2-5' plants. Plants are best in average to dry soil and thrive in full sun to part shade. Pinch in late spring to encourage bushy growth. Good for butterflies and other pollinators. Germ: OW. Zone 7 *Ellis*
- Sym0200** *Symphyotrichum drummondii* Per. Sun/PtShade. 5'. Fall.
0199 Pale lavender flowers. Branched, dense racemes of numerous, small pale lavender to near white daisies in October. Quite showy and rare. Native. Zone 7 *Cresson*
- Sym0450** *Symphyotrichum laevis* SMOOTH ASTER Per. Sun. 2.5-3' x 2-2.5'. Fall. Zone 4-8.
3540 Zone 7 *Rifici*
- Sym0610** *Symphyotrichum novae-angliae* NEW ENGLAND ASTER Per. Sun. 3 x 2'. Fall.
3540 Germ: CMS: 90 d Zone 7 *Rifici*

Symphyotrichum - Thalictrum

- Sym0680** *Symphyotrichum oblongifolium* 'Fanny' Per. Sun/PtShade. 3-6 x 3'; depends on fertility. Fall.
0199 Purple-blue flowers. Unbelievably hardy freeze-proof flowers and foliage. In full bloom with green foliage at Thanksgiving. Looks like New England aster. You won't believe it! Native. Zone 7 *Cresson*
- Sym0730** *Symphyotrichum pilosum* FROST ASTER Per. Sun/PtSun. 2-3 x 1'. Summer-Fall.
3397 White flowers. 2' high by 3 ft wide, arching stems covered in long lasting 1" white daisies, 20 petals surrounding yellow centers, in late Sept-October. Zone 6b *Egbertson*
- Sym0850** *Symphyotrichum sericeum* WESTERN SILVERY ASTER Perennial. Sun/Pt. Sun. 1'-2' tall. Fall.
0199 Violet purple flowers. This perennial with silvery-grey foliage comes from central North America. Provide dryish well-drained soil and do not crowd with other plants. Zone 7 *Cresson*
- Syn1500** *Syneilesis palmata* Per. PtShade/Shade. 15". Summer.
3321 White blooms. grown more for foliage than flower. Woodland plant. Germ: Cycle: fluctuating temps outside for 3 mo, then raise temps and increase light, OW, SR. Zone 6 *Perron*
- Syn1550** *Syneilesis palmata* 'Kikko' KIKKO SHREDDED UMBRELLA PLANT Per. PtSun/PtShade. 12-18". Zone 4-8.
1580 Creamy white, insignificant flowers. Grown for its lacy foliage with distinct yellow veins evident from spring to mid summer. Seedlings come true with yellow veins. Germ: BC. SIS. Zone 6-7 *Romenesko*
- Tal1150** *Talium 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°. *Kushner*
- Tal1260** *Talium 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. *Kushner*
3436 Pink blooms with little reddish brown fruits. Annual that self sows. Germ: W, SS, NST. Zone 7a *Silberstein*
- Tan2010** *Tanacetum parthenium* FEVERFEW Per. Sun. 8-10"; to 2' in bloom. Summer.
1228 Uses: Cut flower and medicinal. Germ: Moist soil. *Labash*
- Tax1250** *Taxodium distichum* BALD CYPRESS Tree. Sun. 50-70 x 20-30'.
1277 Deciduous conifer to 120'; sun; tolerates swampy ground. Mature dry cones should be broken apart. Separation of cone fragments from seed is difficult and both are often sown. Germ: CMS 90 d. Five minute ethyl alcohol soak prior to CMS. Zone 6a *Haas*
- Tha1500** *Thalictrum aquilegifolium* MEADOW RUE Per. PtShade. 3 x 1½'. Late Spring/Early Summer.
1277 Yellow-striped bloom with white stamens. Zone 6a *Haas*
- Tha1800** *Thalictrum* 'Elin' MEADOW RUE Per. Full Sun - Partial shade. 5-8' tall. Summer to Fall. Zone 4-9.
0522 Lavender flowers with yellow stamens. A cross between *T. flavum* var *glaucium* and *T. rochebrunianum*. One of the tallest Thalictrums. Blue/grey leaves. Purple-tinged stems. Source: Putnam Hill Nursery. *Kushner*
- Tha2550** *Thalictrum luctidum* Per. Sun/PtShade. 3½ x 1½'; to 7' in bloom. Summer.
1277 Pale yellow flowers, elegant foliage. Tall (to 6'). Zone 6a *Haas*
- Tha3650** *Thalictrum rochebrunianum* LAVENDER MIST, MEADOW RUE Per. Sun/PtShade. 1-2 x 2'; from 3-7' in bloom. Summer.
0592 Lilac flowers. Towering yet dainty in foliage and flower. Give shade in really hot places. Self-sows where happy. Germ: NST. Zone 6 *Malocsay*
1277 Lavender flowers. Tall, airy, and delicate looking see-through plant with pretty, blue-green foliage. Zone 6a *Haas*
1580 Light lavender, airy sprays of flowers on tall plants 5-7' high, part shade. Self-sows once established. Germ: NST. OW. BC. 15-50 days max. germ. time. Zone 6-7 *Romenesko*
2497 Light lavender blooms with soft yellow centers. A tall, beautiful, airy perennial with interesting flowers. Zone 7b *Mackey*
- Tha3800** *Thalictrum rochebrunianum* var. *grandisepalum* PDN#01A-C
0032 PDN#01A-C. Garden Location: ~Xylosoma japonicum~ Seed Source for Plant: GBG131 Seed Collected: 9/11/17; 10/24/17 *Plant Delights*

- The0100** *Thelesperma burridgeanum* BURRIDGE'S GREENTHREAD An. Sun. 2x1'. Summer.
0592 Maroon with yellow edge. Foliage seems sparse to excess, yet it mounts a nonstop show of rounder, stouter Coreopsis daisies. Charming in nosegay bouquets. Germ: SIS Mid May Zone 6 *Malocsay*
- The2050** *Thermopsis villosa* SOUTHERN LUPINE, CAROLINA LUPINE Per. Sun/PtShade. 4-7 x 2-4'. Late Spring-Summer.
0032 Source: NC Botanical Garden *Plant Delights*
0627 Cool, pale-yellow, sweetpea-like flowers. Pea-like foliage is attractive. Distinctive back-of-the-border plant. Usually doesn't need staking. It grows for me in a garden that has become quite shady. It still blooms, usually at about 5.5 feet!
Germ: NST. *McShane*
1277 Yellow flowers. Does not tend to flop. Zone 6a *Haas*
2504 Bright yellow stalks of flowers in early summer, similar to true lupines. Full to part sun. Dislikes competition.
Germ: No experience growing from seed; Lady Bird Johnson Wildflower Center says to cover seeds with boiling water then let cool in the water for 12-plus hours. Sow when ground has warmed. Slow to establish. *Mills, M*
- Tia0800** *Tiarella cordifolia* FOAMFLOWER Per. PtShade. 8". Spring.
1277 White blooms. Attractive foliage, usually with dark markings, spikes of white flowers in spring. Lovely ground cover in woodland. Germ: CMS 90 d. Zone 6a *Haas*
- Tit0050** *Titbontia rotundifolia* MEXICAN SUNFLOWER An. Sun. 4-6 x 1'. Summer-Fall.
0797 Bright orange flowers. A very tall, showy annual. *Robinson*
- Tit2260** *Titbontia rotundifolia* 'Torch' MEXICAN SUNFLOWER An. Sun. 4-6 x 1'. Summer-Fall.
0965 Brilliant orange-red flowers. A butterfly magnet and a great color contrast with true blues. Germ: W. Zone 7a *Umpbrey*
- Tra9000** *Tragopogon dubius* YELLOW SALSIFY An./Bien. Sun. 2-3'. Summer.
0199 Yellow blooms. Tall-branched upright stalks with narrow blue-green leaves topped by lemon yellow dandelion flowers followed by large dandelion-like seedheads. A European native. Germ: I sowed it directly in the garden. Zone 7 *Cresson*
- Tri2000** *Tricyrtis formosana* 'Sinonome' TOAD LILY Per. PtShade/Shade. 40". Fall.
0318 Flowers white with maroon spots. Branched, arched stems. October blooms that are more at terminals and more spreading, upright than ~*T. hirta*~. *Garnett*
- Tri3000** *Tricyrtis hirta* TOAD LILY Per. PtShade/Shade. 1½ x 1½'. Fall. Zone 4-8.
0239 White flowers with red-purple spots along arching stems. Zone 6 *Doering*
1277 White with purple-spotted flowers. Perennial. Shade. Late blooming, 2'. Zone 6a *Haas*
- Tri3050** *Tricyrtis hirta* 'Dr. Hirao's Strain' TOAD LILY Perennial. Pt Shade. 30" x 2'. Fall.
0199 White flowers. Superior floriferous strain developed by Dr. Hirao, Japanese plant breeder in the mid-20th Century. Zone 7 *Cresson*
- Tri3100** *Tricyrtis hirta* 'Miyazaki' TOAD LILY Per. PtShade/Shade. 4 x 2'. Late Summer-Fall.
0318 Pale lilac flowers with purple spots. Such a lovely sight small orchid-like blooms along the arching stems in September. Forms nice clumps and self-sows. Germ: CMS; Sow in cold frame in fall or early spring. Takes 6 mo to reach transplanting size. *Garnett*
- Tri3200** *Tricyrtis hirta* 'White Towers' TOAD LILY Per. 24-30". Late Summer.
1277 White flowers. Perennial. Late-blooming shade plant, 2'. Zone 6a *Haas*
- Tri3950** *Tricyrtis latifolia* TOAD LILY Per. PtShade. 3 x 1'. Early Summer.
0318 Green-yellow flowers with brown spots. More upright than arching. Blooms in July. Self-sows. Germ: SS. *Garnett*
- 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*
- Tri4650** *Tricyrtis perfoliata* TOAD LILY Per. PtShade. 1½ x 1½'. Fall.
2504 Lemon yellow flowers; foliage will burn if it gets too much sun and soil dries. *Mills, M*

Trollius - Veronica

- Tro1380** *Trollius ircuticus* SIBERIAN GLOBEFLOWER Per. Sun/PtShade. 1-2 x 1'. Spring.
0199 Orange flowers. For a wet to moist location and seems tolerant of standing water. Deep orange flowers in late spring, then dormant by late summer so be sure to mark location. A very rare species. Zone 7 *Cresson*
- Twe1050** *Tweedia caerulea* TenPer./An. Sun. Summer.
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 assure success. Zone 7 *Cresson*
- Val0100** *Valeriana officinalis* GARDEN HELIOTROPE, GARDEN VALERIAN Per. Sun. 3-5' x 2-4'. Midsummer. Zone 4-7.
0592 White. Spring into summer. Reaches up to bloom at 5-6'. Basal rosette 2' across, refreshes after bloom stalk cutdown. Prolific self-sower but seedling taproot comes up easy- mature roots dive deep. Pleasing fragrance. Pollinators very attentive. Germ: SIS early. Blooms second year. Zone 6 *Malocsay*
- Vel4250** *Veltheimia bracteata* TenBulb. Sun. 1½'. Spring.
0926 Pale-pink and green flowers. A tender South African bulb with glossy, wavy-edged foliage and flowers that resemble a pale pink kniphofia. Germ: NST. *Streeter*
- Ver0950** *Verbascum bombyciferum* MULLEIN Bien. Sun. 8 x 10"; to 5' in bloom. Summer.
3666 Campers Delight Pale Yellow 18 " x 4' Silver leaves and stem 5 Bi annual Zone 5 *McGowan*
- Ver3100** *Verbena bonariensis* PURPLE VERBENA, BRAZILIAN VERBENA TenPer. Sun/PtShade. 4 x ½'. Summer-Fall.
0318 *Garnett*
0590 Purple-magenta flowers. Easy, floriferous. Seeds a bit but wouldn't be without it. Germ: NST. Zone 7a *Mabony*
1228 Cut flower. Butterflies like it. Considered invasive in Deep South. Germ: WMS. *Labash*
2937 Zone 6a *Bittmann*
- Ver3200** *Verbena hastata* Per. Sun. 3 x 2'; to 4' in bloom. Summer.
1224 Blue flowers. Germ: CMS: 14-21 days cold then 70 degrees. BC. Max. Germ. Time: 3-5 days. *Lockhart*
2515 Attractive clump-forming verbena for the moister areas of the garden. Zone 6 *Doblmaier*
- Ver3360** *Verbena hastata* f. *rosea* ROSE VERVAIN Per. Sun. 3-4 x 1½ -2'. Summer. Zone 3-8.
1999 Candelabras of tiny pink flowers are produced on erect stems. Wonderful long-blooming native wildflower adds architectural interest to the border. Attracts a myriad of beneficial insects, including butterflies and hummingbird clearingwing moths. Germ: C, D, NST. 30 d. No pre-treatment needed. Sow seeds just below soil surface in darkness at 50°F and water. Expect germination in 7-28 d. Zone 8a *Norfolk Botanical staff*
- Ver3400** *Verbena hastata* 'Pink' Per. Sun. 3 x 2'; to 4' in bloom. Summer.
1224 Pink flowers. Germ: CMS: 14-21 days cold then 70 degrees. BC. Max. Germ. Time: 3-5 days. *Lockhart*
- Ver3500** *Verbena stricta* Per. Sun. 3 x 2'. Summer-Fall.
1999 Luminescent, elongated spikes of lavender flowers. Hoary Vervain is a larval host plant for the common buckeye butterfly, ~*Junonia coenia*~. Many other insects, including native bees, seek out the nectar. The seeds are a favorite of many small birds. Plants are drought tolerant, and non-aggressive. ~*Verbena stricta*~ thrives on dry soils and is deer and rabbit resistant. The long-blooming flowers are prized by floral designers. Germ: CMS: 60 d, BC, L, SS, 100 d. Zone 8a *Norfolk Botanical staff*
- Ver5650** *Vernonia gigantea* UPLAND IRONWEED Per. Sun. 3-5 x 2-4'; to 8' in bloom. Summer-Fall. Zone 6-8.
0951 Purple flowers. Aug-Sept blooming, 6-7' tall. *Tracey*
- Ver6050** *Vernonia noveboracensis* IRONWEED Per. Sun/PtShade. 4-7 x 2-3'. Summer-Fall. Zone 5-8.
3540 Germ: CMS: 90 d Zone 7 *Rifici*
- Ver7500** *Veronica oltensis* THYME-LEAF SPEEDWELL Per. Sun/PtSun. 4 x 12". Spring.
0199 Blue blooms. Creeping stems with tiny evergreen leaves form a dense mat between stones, in a rock garden or in a stone wall. Blue flowers in mid-spring. Native of Turkey on dry rocky slopes. Zone 7 *Cresson*

- Ver7600** *Veronica prostrata* 'Nestor' PROSTRATE SPEEDWELL Per. Sun. 6 x 16". Summer.
1277 Blue blooms. Mat-forming perennial with short decumbent stems. In early summer, spike-like racemes of deep blue flowers. Germ: CMS 90 d. Zone 6a Haas
- Ver8500** *Veronicastrum virginiticum* CULVER'S ROOT Per. Sun/PtShade. 6 x 1½'. Summer/Fall.
1277 Bluish white flowers. Nice tall meadow plant. Native. Germ: CMD 3 mo. Zone 6a Haas
- Vib1100** *Viburnum x carlcephalum* 'Cayuga' KOREANSPICE VIBURNUM Shrub. Sun/Pt.Sun. 4-6' x 6-11'. April-May. Zone 5-8.
1277 Zone 6a Haas
- 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. *Kushner*
- Vib2460** *Viburnum nudum* 'Bulk' *Brandywine* POSSUMHAW VIBURNUM Shrub. Sun/PtShade. 5-12'. Spring. Zone 5-9.
1277 White blooms on 5' shrub. Zone 6a Haas
- Vio0500** *Viola corsica* Sun/PtShade. ½ x 1'. Spring-Fall.
0199 Purple-blue blooms. Per. Sun/PtShade. 6 x 12". Spring/summer. This scarce little native of Corsica and Sardinia is surprisingly tough and long blooming. Give it space to reseed and this short-lived perennial will become a permanent resident and rarely be out of bloom. A natural for rock gardens and among low perennials and bulbs. Zone 7 *Cresson*
- 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. It likes a moist woodland setting and has even moved into Zone 7 *Cresson*
- Vit1640** *Vitex agnus-castus* CHASTE TREE Shrub. Sun/PtSun. 12 x 12'. Summer.
1228 Uses: Medicinal and cut flower. Bees and butterflies love it. Germ: WMS. *Labash*
- Vit1850** *Vitex negundo* var. *heterophylla* 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 6 *Malocsay*
1228 Uses: Medicinal and cut flower. Bees and butterflies like it. Germ: WMS. *Labash*
- Zan2000** *Zantedeschia albomaculata* SPOTTED CALLA LILY Bulb. Sun/Ptshade. 2 x 2'. Summer. Zone 6-10.
0199 White flowers. White spotted arrowhead foliage. The hardiest species, happy with moist average soil in part shade and a winter mulch. Zone 7 *Cresson*
- 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 unhusked. Zone 6a *Bittmann*
- Zep0200** *Zephyranthes* 'Ajax' AJAX RAIN LILY PerBulb. Sun. 8". Summer. Zone 7b- 10b.
0522 Upfacing, straw-yellow/buttery yellow blooms turning cream. Lovely late bloomer. Cross between ~*Zephyranthes candida*~ and ~*Zephyranthes citrina*~ round leaves. 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. *Kushner*
- Zep0500** *Zephyranthes* 'Apricot Queen' RAIN LILY Bulb. Sun/PtShade. 6-12 x 3-6". Late Summer-Fall. Zone 8a-11.
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. *Kushner*

Zephyranthes - Zephyranthes

- Zep0600** *Zephyranthes 'Bali Beauty'* RAIN LILY TenBulb. Sun. 6". Zone 7b-10b.
0522 Bi-color yellow/pink blooms. Lovely rain lily. Hybrid from Indonesia. Source: hybrid of Fadjar Marta, named and introduced in 2006 by 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. *Kushner*
- Zep2100** *Zephyranthes drummondii* RAIN LILY TenBulb. Sun. 6 x 4"; to 10" in bloom. Summer.
0522 San Carlos form. Fragrant, large, pure white flowers. Early bloomer. Source: Yucca Do Nursery. I grow mine in containers. *Kushner*
- Zep2200** *Zephyranthes 'Eastern Pearl'* EASTERN PEARL RAIN LILY TenBulb. Sun. 10". Summer. Zone 7b-11.
0522 Peachy-pink blooms on a lovely bulb bred by Fadjar Marta and introduced by Plant Delights Nursery. Notable for the yellow stripes down the center of each petal. Pot 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. *Kushner*
- Zep2550** *Zephyranthes fosteri* RAIN LILY TenBulb. Sun/PtShade. 6-12". Late Summer-Fall. Zone 7b-10b.
0522 Good pink bloomer. I grow in pots. Not hardy. Source: Woodlanders. 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. *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. *Kushner*
- Zep2890** *Zephyranthes La Bufa 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*
- Zep2970** *Zephyranthes La Bufa 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. *Kushner*
- Zep3250** *Zephyranthes macrosiphon* 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*
- 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. *Kushner*
- Zep3900** *Zephyranthes primulina* 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. *Kushner*
1999 Flowers are pale lemon with a salmon- pink blush on the outer petals. Large yellow rain lily prefers full sun, is self-fertile and blooms heartily after a thunderstorm. Sow seeds immediately upon receipt as viability decreases with prolonged storage. Sow at 70°F; expect germination in two to three weeks. Germ: BC, BH, W, NST Zone 8a *Norfolk Botanical staff*

- Zep4300** *Zephyranthes 'Rose Colored Glasses'* RAIN LILY Ten. Bulb. Full Sun - Partial Shade. 8" tall. Summer.
0522 Dark pink flowers. Darker pink stripe down the outer of each round petal. 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. *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. *Kushner*
- Zin1350** *Zinnia elegans* ZINNIA Annual. Full Sun. 1'-4' tall. Summer
1020 Deep pink, tall flowers from 19-20 Seed Exchange. Germ: NST; SIS. Zone 7 *Wiedorn*
- Zin2130** *Zinnia peruviana (red form)* An. Sun. 2 x 1'. Summer-Fall.
3666 Red. 18" x18". Zone 5 *McGowan*
- Ziz2150** *Zizia aurea* GOLDEN ALEXANDERS Per. Sun. 2-2½'. Spring-Early Summer. Zone 3-8.
3397 Yellow flowers. 1' ft, 3' w bloom, flowers on long sturdy stems, good to plant in a clump, self-sows readily, transplants readily. Germ: SIS. Zone 6b *Egbertson*

Synonyms

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

<i>Alophia euryandra</i> Enn1000 <i>Ennealophus euryandrus</i>	<i>Herbertia euryandra</i> Enn1000 <i>Ennealophus euryandrus</i>
<i>Aster cordifolius</i> Sym0150 <i>Symphyotrichum cordifolium</i>	<i>Hibiscus palustris</i> Hib2000 <i>Hibiscus moscheutos</i>
<i>Aster drummondii</i> Sym0200 <i>Symphyotrichum drummondii</i>	<i>Myrica pensylvanica</i> Mor2000 <i>Morella pensylvanica</i>
<i>Aster laevis</i> Sym0450 <i>Symphyotrichum laevis</i>	<i>Ornithogalum candatum</i> Orn0500 <i>Ornithogalum longibracteatum</i>
<i>Aster linariifolius</i> Ion1000 <i>Ionactis linariifolius</i>	<i>Panicum palmifolium</i> Set2000 <i>Setaria palmifolia</i>
<i>Aster novae-angliae</i> Sym0610 <i>Symphyotrichum novae-angliae</i>	<i>Persea littoralis</i> Per1500 <i>Persea borbonia</i>
<i>Aster oblongifolius</i> 'Fanny' Sym0680 <i>Symphyotrichum oblongifolium</i> 'Fanny'	<i>Polygonum virginiana</i> 'Painter's Palette' Per3250 <i>Persicaria virginiana</i> 'Painter's Palette'
<i>Aster pilosus</i> Sym0730 <i>Symphyotrichum pilosum</i>	<i>Poncirus trifoliata</i> 'Flying Dragon' Cit1150 <i>Citrus trifoliata</i> 'Flying Dragon'
<i>Aster sericeus</i> Sym0850 <i>Symphyotrichum sericeum</i>	<i>Psoralea psoralioides</i> 'Nash' Orb1050 <i>Orbexilum pedunculatum</i> var. <i>psoralioides</i> 'Nash'
<i>Consolida ambigua</i> Con1050 <i>Consolida ajacis</i>	<i>Rhamnus caroliniana</i> Fra1000 <i>Frangula caroliniana</i>
<i>Consolida plumbea</i> Cyp1000 <i>Cypella coelestis</i>	<i>Senecio confusus</i> Pse1000 <i>Pseudogynoxys chenopodioides</i>
<i>Cypselia drummondii</i> Alo1500 <i>Alophia drummondii</i>	<i>Silene flos-cuculi</i> Lyc3300 <i>Lychnis flos-cuculi</i>
<i>Daphniphyllum macropodum</i> Dap3000 <i>Daphniphyllum himalaense</i> subsp. <i>macropodum</i>	<i>Sinocalycanthus chinensis</i> Cal4200 <i>Calycanthus chinensis</i>
<i>Disporum flavens</i> Dis6650 <i>Disporum uniflorum</i>	<i>Smilacina racemosa</i> Mai0100 <i>Maianthemum racemosum</i>
<i>Engelmannia pinnatifida</i> Eng0500 <i>Engelmannia peristenia</i>	<i>Stachys minima</i> Sta3600 <i>Stachys spathulata</i>
<i>Eupatorium coelestinum</i> Con0700 <i>Conoclinium coelestinum</i>	<i>Thermopsis caroliniana</i> The2050 <i>Thermopsis villosa</i>
<i>Eupatorium purpureum</i> Eut0550 <i>Eutrochium purpureum</i>	<i>Tamala borbonia</i> Per1500 <i>Persea borbonia</i>
<i>Eupatorium rugosum</i> Age0700 <i>Ageratina altissima</i>	<i>Tamala littoralis</i> Per1500 <i>Persea borbonia</i>
<i>Eustylis purpurea</i> Alo1500 <i>Alophia drummondii</i>	<i>Tigridia purpurea</i> Alo1500 <i>Alophia drummondii</i>
<i>Habranthus andersonii</i> Hab2750 <i>Habranthus tubispathus</i>	<i>Zephyranthes</i> 'Labuffarosea' Zep2890 <i>Zephyranthes La Bufa Rosa Group</i>
<i>Herbertia drummondii</i> Alo1500 <i>Alophia drummondii</i>	

HPS/MAG Seed Exchange Order Form 2020–2021

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.

Each member may order 25 packets of seed, limited to one packet of any particular seed/donor combination. 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.

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,

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

and sent to Mary Ann Thomas, 8600 Elliston Drive, Wyndmoor, PA, 19038. Payment required is \$20.00 if posted online or mailed. **The postmarked deadline is January 19 and the online seed catalog closes on January 21.**

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 an order; each order requires the \$20.00 regular fee and only one is entitled to the donor/volunteer bonus, if applicable.

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

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.

FIRST CHOICES LIST: Identify in alphanumeric order. <i>Please print neatly!</i>				DONOR/VOLUNTEER BONUS SEEDS: Continue listing in alphanumeric order only 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 2020–2021 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.