



MID-ATLANTIC GROUP

2022–2023 Seed Exchange Catalog

The 29th annual edition of the Seed Exchange Catalog includes 768 seed donations contributed by 59 gardeners, from beginners to professionals. Approximately 72 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. This year was a difficult year for collecting some seeds, as summer drought was experienced by many in the mid-Atlantic area.

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. Our sincere thanks to our donors—they make this Seed Exchange possible.

Axel, Laura 3132 (7a)
Baccari, A. 5011 (6a)
Bartlett, John 45 (6b)
Bartram's Garden/
Katie Jacoby 9975 (7a)
Berger, Clara 65 (6b)
Biderman/Barron 43 (6)
Bittmann, Frank 2937 (6a)
Bowditch, Margaret 84 (6b)
Boylan, Rebecca 2137 (6b)
Bricker, Matthew 2429 (6)
Carey, Jenny Rose 1918 (6b)
Cresson, Charles 199 (7)
Creveling, Beth 200 (7)
Cyphers, Barry 1181 (7a)
Doblmaier, Susan 2515 (6b)
Doering, Alice 239 (7a)
Egbertson, Melissa 3397 (6b)
Ellis, Barbara 269 (7)
Farley, Alice 1751 (7a)
Gannon, Griffin 3651 (6b)
Garnett, Polly 318 (6b)
Gregg, John 3001 (7)
Henry Foundation 1170 (7)
Horesh, Maureen 1656 (6b)
Jellinek, Susan 1607 (7a)
Jenkins Arboretum/
Helen Standen 9985 (7a)
Kushner, Annette 522 (7a)
Labash, Kim 1228 (7a)
Lockhart, Bruce 1224 (5)
Mackey, Janet 2497 (7a)
Maher, Carole 3176 (7a)
Mahony, Peter 590 (7a)
Malocsay, Jan-Paul 592 (6)
McGowan, Brian 3666 (5)
McShane, Nadeen 627 (6b)
Mitchell, Donald 1244 (4b)
Nachlas, Sally 2621 (6)
Perron, William 3321 (6)
Plant Delights 32 (7b)
Robinson, Barbara 797 (6b)
Roper, Lisa/Chanticleer 9968 (7a)
Rosenblum, Mark 1715 (8b)
Roskoph, Zane 3645 (7a)
Schenck, Andy 2892 (7a)
Scofield, Connie 1585 (5b)
Shaw, Jill 3156 (7a)
Silberstein, Steve 3436 (7a)
Sirbaugh, Nora 3107 (6b)
Standen, Helen 3178 (7a)
Stonecrop Gardens 118 (5a)
Streeter, Mary Ann 926 (6a)
Tracey, Katherine/
Avant Gardens 951 (6b)
Umphrey, Catherine 965 (7a)
Urffer, Betsy 1939 (6b)
Wave Hill Gardeners 9976 (6b)
Weaver, George 2517 (7)
Whitesell, Steve 1017 (5b)
Wiedorn, Gillian 1020 (7)
Wisniewski, Kay 2185 (4b)

HOW TO USE THIS CATALOG

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

Plant Code *Botanical name.*

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

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

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

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

Botanical name abbreviations

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

Plant types abbreviations

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

Plant name synonyms

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

GERMINATION CODES, METHODS

Pretreatment

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

Frz Freeze the seed for the period noted.

NST No special treatment.

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

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

Light Requirements

BC Barely cover seeds.

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

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

SS Surface sow.

Temperature

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

C Cool, approximately 50° to 60°F.

R Refrigerate after sowing.

OW Overwinter outdoors.

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

Germination Time

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

Special Notes

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

Rtp Resists or resents transplanting.

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

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

REFERENCE MATERIALS

Nomenclature

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

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

Germination

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

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

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

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

Park Seed Company; *Success With Seed*.

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

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

- Abe0050** *Abelmoschus manihot* ORNAMENTAL OKRA, SUNSET HIBISCUS An. Sun. 6+ x 3'. Summer-Fall.
0065 Pale yellow, hibiscus-like blooms with burgundy center to 3½'. Tall (up to 6') and lovely, with its tissue paper flowers. A heat tolerant summer annual. Zone 6b *Berger*
0199 Pale yellow with maroon centers. Evenly moist soil, likes heat. Self-sows. Blooms with asters. Zone 7 *Cresson*
- Abe2000** *Abelmoschus sagittifolius* ARROWLEAF ABLEMOSCHUS Annual. 6'. Full sun-partial shade. Summer.
2515 Deep-pink to red flowers with a white center. Stunning! The leaves are quite different from *A. manihot*. Germ: NST. Zone 6b *Doblmaier*
- 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*
- Act3100** *Actaea simplex Atropurpurea Group 'Brunette'* BUGBANE Per. PtShade. 4 x 2'. Fall.
0797 White flowers. Zone 6b *Robinson*
- Ade0200** *Adenophora confusa* COMMON LADY BELLS Per. Sun/PtShade. 2½ x 2'. Summer.
1585 Blue-violet flowers. Blooms from midsummer into September. Will grow in almost any soil. Germ: NST; SIS. Zone 5b *Scofield*
- Adl0050** *Adlumia fungosa* CLIMBING FUMITORY, CLIMBING BLEEDING HEART Bien. PtShade. 6-8'. Summer-Fall. Zone 4a-8b.
2497 Zone 7b *Mackey*
3436 Light pink blooms. Rosette the first year and 6' vine with flowers & seed the second summer. Germ: OW, SS, SIS. Flowers early summer the second year from seed. Zone 7a *Silberstein*
- Aes0060** *Aesculus glabra* OHIO BUCKEYE Tree. Sun/PtShade. 20-40 x 20-40'. Spring.
1228 Zone 7a *Labash*
- Aet0050** *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*
- Aet1900** *Aethionema saxatile* BURNT CANDYTUFT, CANDY MUSTARD Per. Sun/PtSun. 10-12". Spring. Zone 6a.
0199 Spikes of tiny pink flowers in May, above a loose mat of greyish foliage. This will self-sow in your rock garden. Zone 7 *Cresson*
- Aga2600** *Agastache foeniculum* ANISE HYSSOP Per. Sun/PtSun. 3-5' x 1-2'. Summer. Zone 4-8.
1228 Blue flower. Uses: medicinal, culinary, edible flower. Bees love it. Germ: Needs warm soil. Zone 7a *Labash*
3178 Purple flowers. Seeds around. Deer resistant. Germ: CMS 30 days; SS; R; OW. Zone 7a *Standen*
- 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 6 *Creveling*
1228 Whitish, yellow flower. Uses: medicinal, culinary. Bees love it. Germ: Needs warm soil. Zone 7a *Labash*
- Aga2830** *Agastache nepetoides* YELLOW GIANT HYSSOP Per. Sun/PtShade. 4-6 x 1-3'. Late Summer. Zone 2-8.
2429 Tall and self-supporting. Yellow flowers. Good winter interest. Zone 6 *Bricker*
- Aga3700** *Agastache rupestris* SUNSET HYSSOP, LICORICE MINT Per./Subshrub. Sun. 3 x 3'. Summer-Fall. Zone 5-9.
1244 Fragrant grey-green foliage. Orange flowers attract hummingbirds mid-summer to early fall. Well-drained soil. Zone 4b *Mitchell*
1607 Apricot and lavender bloom. Attracts hummingbirds, bees, and butterflies. Licorice-scented foliage. Germ: SS. NST. Zone 7a *Jellinek*
3321 Apricot and lavender bloom. Attracts hummingbirds, bees, and butterflies. Licorice-scented foliage. Germ: SS. NST. Zone 6 *Perron*

Agastache - Alophia

- Aga4100** *Agastache* species / hybrid
1244 *Agastache cana* x *A. rupestris*. Seed collected from various hybrid plants in my garden with long flower spikes. 3-4' x 3-4'. Aromatic foliage. Attracts hummingbird mid-summer to early fall. Flower color from rose-pink to orange. Well-drained soil, full sun. Germ: NST Zone 4b *Mitchell*
- Aga5430** *Agave x loferox* 'Hacksaw' Per. Sun. 3' x 5'. Zone 7b-10b.
0032 Our first named clonal selection from our *Agave* 'Stairway to Heaven' hybrid seed strain. Dark blue-green leaves, each edged with black-burgundy hacksaw-like, tiny teeth. Zone 7b *Plant Delights*
- Age0700** *Ageratina altissima* WHITE SNAKEROOT Per. Sun/PtShade. 60 x 6". Midsummer-Fall. Zone 3-8.
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*
- Alc0050** *Alcea rosea* (all colors) HOLLYHOCK Bien./Per. Sun. 2 x 2'; from 6-8' in bloom. Summer.
0797 Rose-colored flowers. Zone 6b *Robinson*
- Alc1600** *Alcea rosea* 'Nigra' BLACK HOLLYHOCK Bien. Sun. 1½ x 1½'; from 6-7' in bloom. Summer.
2515 Maroon/Black flowers. Mixed it with the yellow flowers of *Abelmoschus manihot* and it made a stunning backdrop. Germ: NST. Zone 6b *Doblmaier*
- 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. Zone 6b *Robinson*
- All4010** *Allium cepa* var. *proliferum* EGYPTIAN WALKING ONION Bulb. Sun/PtShade. 2'. Spring-Summer.
0269 These hardy perennial onions produce clumps of small shallot-like bulbs in the ground, which can be dug in fall. Their most interesting characteristic is the clusters of bulbils produced on top of the flowering stems instead of flowers. Purplish bulbils range from to about ½". Eventually, the clusters topple over and the bulbils root, allowing the plant to walk to a new spot in the garden. Consider staking plants to preserve their unusual sculptural appearance and manage their spread. Bulbils have a nutty, oniony flavor. Germ: NST. These are bulbils, not seeds. Plant in full sun with other perennial crops or in the garden as living sculpture! Zone 7 *Ellis*
- 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. Zone 5b *Scofield*
- All5300** *Allium flavum* YELLOW ONION, ORNAMENTAL ONION PerBulb. Sun/PtShade. 4-6 x 8"; to 8" in bloom. Spring-Summer.
0199 Bright yellow flowers. Silvery blue-green foliage. Zone 7 *Cresson*
- 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. Zone 5b *Scofield*
- All6900** *Allium schubertii* PerBulb. Sun. Zone 5-8.
2937 Pale purple blooms. Loose, open flower heads approach 12" across on short stalks. Makes an interesting, long-lasting, dried flower. Zone 6a *Bittmann*
- 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*
- All8300** *Allium tuberosum* GARLIC CHIVES, CHINESE CHIVES Per. Sun. 10-20 x 6"; to 2' in bloom. Summer-Fall.
0239 White star-like 2" umbels. Blooms late, and good for late summer interest. Cut off flowers when they fade to curtail self-sowing. Germ: NST; SIS. Zone 7a *Doering*
1020 White flowers. Late bloomer with pleasing seed heads. Culinary and ornamental. Germ: NST; SIS. Zone 7 *Wiedorn*
- Alo1500** *Alophia drummondii* PROPELLER FLOWER; PINWOODS 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*
- Ama1080** *Amaranthus cruentus* TASSEL FLOWER An. Sun. 7-8'. Summer.
0797 Dark purple flowers and foliage. Prefers hot, sandy, or gravelly soil. Best SIS early. Germ: BC; SIS. Zone 6b *Robinson*
- Ama1500** *Amaranthus* 'Hopi Red Dye' An. Sun. 3-4 x 2'. Summer-Fall.
1918 Burgundy flowers. This tall, ancient, half-hardy annual has burgundy stems, leaves and drooping feathery panicles. Grow from seed planted in place. Good cut flower. Germ: NST, SIS. Sow directly in spring or fall. Zone 6b *Carey*
2937 Red blooms. Zone 6a *Bittmann*
- Amm1050** *Ammi visnaga* An. Sun. 3-4 x 2'. Summer.
0200 White flowers. Plant looks like Queen Anne's Lace, but foliage is ferny. Great for arrangements. Germ: SIS. Self-sows. Zone 6 *Creveling*
- Amo3300** *Amorpha fruticosa* FALSE INDIGO Perennial Shrub. Full Sun. Spring. 4'-12' tall. Zone 4-9.
0592 This was offered in 2019-2020. I would have chosen the much shorter *A. canescens* not offered till 2020-2021. *A. fruticosa* might be seen as a tall shrub stand-in for a quick small tree casting a welcome bit of feathery shade. But, my two were so lithe and leaning they needed support. The other had to go - amazing root run deep and far-reaching. Be advised. Zone 6 *Malocsay*
- Ams0050** *Amsonia hubrichtii* BLUE STAR, ARKANSAS AMSONIA Per. Sun/PtShade. 3 x 3-4'. Spring.
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 few years. Deer do not browse. Germ: CMS; OW. Zone 6b *Doblmaier*
- Ams0250** *Amsonia illustris* OZARK BLUE STAR Per. Sun/PtShade. 4' x 18". Late Spring-Early Summer.
2515 Blue flowers with willow-like foliage. Similar in appearance to *A. tabernaemontana* except the leaves are shinier. Zone 6b *Doblmaier*
- Ams0270** *Amsonia illustris* 'Seventh Inning Stretch' SEVENTH INNING STRETCH BLUESTAR Per. Full sun to part shade. 3'.
Spring. Zone 4a-9b.
2515 Blue flowers in May while the leaves are emerging. Green leaves in summer. Fall color is a butter yellow. In a wet area of my garden and doing fine. Germ: NST; OW. Winter seed sowing works best. Zone 6b *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. Deer do not browse. Germ: CMS; OW. Zone 6b *Doblmaier*
- Ams2050** *Amsonia tabernaemontana* BLUE STAR Sun/PtShade. 2 x 1½'. Spring/Summer.
1228 Steel blue flowers. Cut flowers. Bees love it. Germ: Moisten seed and soil for 4 weeks. Zone 7a *Labash*
3107 Pale blue flowers. Slow to germinate. Native plant. Germ: Scfy. Time: 4-6 weeks. Zone 6b *Sirbaugh*
- And2000** *Andropogon gerardii* BIG BLUESTEM PerGrass. Sun. 6'.
2937 These are seeds from 'Red October', a big bluestem with foliage and stems which turn purple in late summer and then change to scarlet once temperatures drop. Even if the seedlings turn out to be plain green, it's still a nice tall grass. Zone 6a *Bittmann*
- And2500** *Andropogon virginicus* BROOMSEDGE Per. Sun/PtShade. 2-4 x 1-2'. Fall. Zone 5-8.
2429 Zone 6 *Bricker*
- Ane6500** *Anemone virginiana* Per. Sun/PtShade. 2 x 1'; to 30" in bloom. Late Spring. Zone 2-8.
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. 4-6' x 2-3'. Summer. Zone 5-9.
0951 Wine-red flowers. Great architectural form. Biennial with wine umbels in late Summer. Zone 6b *Tracey*

Angelica - Aquilegia

- 9976 Dark purple flowers. Very ornamental biennial which can self sow. Striking flower heads, grows to 4-5' tall in our Flower Garden. Deer resistant. Germ: Just cover. Pre-chill for 2 weeks. Zone 6b *Wave Hill Gardeners*
- Ang1900** *Angelica japonica* Per. Sun/PtSun. 18" up to 5' in bloom. Summer. Zone 7a-9b.
0032 Zone 7b *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*
- Ani5000** *Anisodonteia jultii* CAPE MALLOW Per. Full Sun. 5'. Summer. Zone 7-11.
1715 Pink flowers. Germ: W; D; Maximum germination time: 90 days. Zone 8b *Rosenblum*
- Ant0050** *Anthemis tinctoria* Per. Sun. 1½-2 x 1-1½'. Spring-Fall.
0592 Yellow blooms. Quick from seed, prolific self-sower, low dense foliage makes pleasing ground-cover, especially if spent bloom stalks are cut as flowers fade. Always a few thrusting up after early summer flush. Nosegay mainstay. Petals folded over let you know where crab spiders get their start in life, growing through greenish to perfect match yellow. Zone 6 *Malocsay*
- Ant2000** *Antbericum 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*
- 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. Zone 7a *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.
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*
- Aqu2400** *Aquilegia flabellata* 'Nana' Per. Sun/PtShade. 8". Summer.
0522 Lilac-purple and white flowers. 6-8" dwarf Aquilegia. Nodding, bell-shaped flowers. Good for trough or rock gardens. Zone 7a *Kushner*
- Aqu2680** *Aquilegia fragrans* 'Fragrant Fantasy' FRAGRANT COLUMBINE Per. Partial shade to full shade. 18" tall. Spring. Zone 5-8.
0522 Mixed colors - creams, yellows, and whites. A truly scented Aquilegia. Zone 7a *Kushner*
- Aqu4000** *Aquilegia* species (individual colors) COLUMBINE Per. Sun/PtShade. 2 x 1'. Spring.
0084 Double, white flowers. Comes true from seed. 2' height. Partial shade. Zone 6b *Bowditch*
0318 Blue and white flowers to 2' tall. Will self-sow. Zone 6b *Garnett*
1751 Deep-blue flowers. The garden tour group loved these Columbines! Zone 7a *Farley*
- Aqu4750** *Aquilegia viridiflora* 'Atropurpurea' COLUMBINE Per. Shade. 2-3' tall. Late Spring. Zone 3-8.
0522 Chocolate purple flowers. Sturdy 24-36" Columbine. Source: Far Reaches. Zone 7a *Kushner*
- Aqu5000** *Aquilegia vulgaris* EUROPEAN COLUMBINE Per. Sun/PtShade. 2 x 1½'. Spring-Summer.
1918 Mostly pink flowers. Short-lived perennial. Tall stems for cutting. Dangling flowers with spurs. At home in cottage gardens and mixed borders. Blooms May. Germ: SIS. Zone 6b *Carey*
- Aqu5905** *Aquilegia vulgaris* (double, pink) COLUMBINE Per. Sun/PtShade. 15 x 18"; to 30" in bloom. Spring.
0522 Shell pink flowers. Bell-shaped pink flowers with a white edge. 18-24" x 18". Zone 7a *Kushner*

- Aqu5929** *Aquilegia vulgaris* (pink) COLUMBINE Per. Sun/PtShade. 12 x 12"; to 2' in bloom. Late Spring-Early Summer.
0522 Pink flowers. Gray-green foliage with short-spurred pink flowers. Lovely old-fashioned plant that gently self-sows to form colonies. If isolated, keeps true to color. Germ: CMS; W; or SIS. Zone 7a *Kushner*
- Ara2090** *Aralia cordata* JAPANESE SPIKENARD Per. PtSun. 3-6 x 3-6'. Summer. Zone 4a-8b.
0032 White blooms. Germ: OW, SS, NST. Zone 7b *Plant Delights*
- Arg1000** *Argemone albiflora* WHITE PRICKLY POPPY An/Bi. Sun/PtSun. 2-3' x 1-2'. Summer. Zone 7-9.
9976 White bloom. Likes hot and dry locations. Growing in our Lavender Bed at Wave Hill. Self-sows when happy. Deer/Drought tolerant. All parts of this plant are poisonous. Germ: Direct sow inside; 1/8" depth; late Spring. Zone 6b *Wave Hill Gardeners*
- Arg2100** *Argemone ochroleuca* MEXICAN PRICKLY POPPY, DEVIL'S FIG Annual. 3'. Full sun. Summer.
9968 Pale yellow flowers. Late summer annual with prickly foliage and large blooms, 1.5' T, 1.5 W. Tolerates high heat and drought. Germ: WMS. SIS. Zone 7a *Roper/Chanticleer*
- Arg2203** *Argemone platyceras* PRICKLY POPPY, CRESTED POPPY Annual/Perennial. Full Sun. 2'-3' tall. Summer
9968 White flowers. Short lived perennial, often grown as an annual, Sun, well drained soil, 2.5" T, 1.5"W, Large, pure white flowers are 4-5" across, bloom from spring-fall. Foliage is finely cut, gray-green, and prickly. Can seed in. hardy from 6a-9a. Germ: Warm and moist (64F-72) for 2-4 weeks, then cold (25F-39) for 4-6 weeks, after germination(41F-54). L. SS. SIS. Zone 7a *Roper/Chanticleer*
- Ari0600** *Arisaema dracontium* GREEN DRAGON, AMERICAN WAKE-ROBIN, DEVIL'S PULPIT Per. Pt/Full Shade. 1-3' x 1-1½'.
Spring. Zone 4-9.
9985 7-15 leaflets, otherwise similar to Jack in the Pulpit. Additionally, fruiting structure is more colorful and longer lasting. Visitors frequently ask about this plant. Germ: CMS, 90 d. Keep moist and refrigerated till sowing. Zone 7a *Jenkins Arboretum*
- Ari2500** *Arisaema heterophyllum* COBRA LILY Per. PtShade. 2-3½ x 1'. Spring. Zone 5-9.
2429 An easy, taller jack-in-the-pulpit with the flower held above the horseshoe-shaped leaf. Zone 6 *Bricker*
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*
- Ari4010** *Arisaema sikokianum* Per. PtShade/Shade. 1½-2½'. Spring.
0592 Bloom: Green/maroon with bold white knob spadix. Dramatic, outlandish, lovely. One of my three has the foliage splash variegation. Germ: I got 30 day germination with the baggie method at room temp. Zone 6 *Malocsay*
- 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*
- Aro1300** *Aronia x prunifolia* RED CHOKEBERRY Shrub. Sun/PtShade. 10 x 8'. Spring.
0045 White flowers. A natural hybrid (A. melancarpa x A. arbutifolia), this native shrub has cluster of burgundy-wine colored berries in autumn. Comes true from seed. Should be much better known. Germ: NST. Zone 6b7a *Bartlett*
- Art2500** *Artemisia annua* SWEET ANNIE An. 4-6 x 3'.
1228 Zone 7a *Labash*
- 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*
- Aru3010** *Aruncus aethusifolius* DWARF GOAT'S BEARD, KOREAN GOAT'S BEARD Per. Sun/PtShade. 6 x 10". Summer.
0318 Zone 6b *Garnett*

Asclepias - Baptisia

- Asc0030** *Asclepias angustifolia* 'Sonoita' Per. Sun/PtSun. 24". Summer. Zone 7b-10b.
0032 Amsonia-like foliage, topped from May through September (NC) with terminal clusters of flowers that emerge as blush pink buds opening white. Zone 7b *Plant Delights*
- Asc0100** *Asclepias curassavica* BLOODFLOWER, BLOODY MILKWEED TenPer. Sun. 3-4 x 1-1½'. Summer-Fall.
0043 Red/Yellow flowers. Great monarch attractor/food. Can be cut back for rebloom after the caterpillars feed. Zone 6 *Biderman/Barron*
0627 Bright orange, red, yellow flowers, silky seedbeds; so cheerful! Zone 6b *McShane*
- Asc0150** *Asclepias curassavica* 'Silky Gold' BLOODFLOWER, BLOODY MILKWEED TenPer. Sun. 4 x 1'. Summer-Fall. Zone 8-11.
2621 Zone 6 (2021) Red orangey yellow blooms. Attracts monarchs. Deer and rabbit resistant. Origin HPS'21. Germ: CMS. Soak seeds in hot water for 24 hours. Surface sow. Zone 6 *Nachlas*
- Asc2500** *Asclepias incarnata* SWAMP MILKWEED Per. Sun. 3-4' x 2-3'. Summer. Zone 3-6.
3156 Pink flowers. Tolerates moist soil conditions. Zone 7a *Shaw*
9985 Germ: Winter sow or 30 CMS. Lightly cover with sand/germination mix. Zone 7a *Jenkins Arboretum*
- Asc2750** *Asclepias incarnata* 'Ice Ballet' SWAMP MILKWEED Per. Sun. 4 x 4'. Summer-Fall.
0951 White flowers. White form of swamp milkweed. Zone 6b *Tracey*
- Asc2900** *Asclepias incarnata* 'Large Marge' SWAMP MILKWEED Per. 4'-5'. Full sun. Summer.
0522 Pink flowers. A winner in the wilder garden. Taller than the straight species. 4'-5' tall. Branching stems. Small flowers followed by attractive seed pods. Zone 7a *Kushner*
- Asc3700** *Asclepias syriaca* COMMON MILKWEED Per. 2-4'.
1228 Pinkish-mauve flowers. Uses: Garment trade and medicinal. Butterflies and other wildlife like it. Germ: CMS: 3-6 weeks. Zone 7a *Labash*
1918 Dusky lilac flowers. Native perennial for wet areas and wild gardens. Host plants for monarch butterflies. Can be aggressive. Flowers are lilac scented. Fabulous seed pods. Germ: SIS. Zone 6b *Carey*
- Asc4010** *Asclepias tuberosa* MILKWEED, BUTTERFLY WEED Per. Sun. 2-3 x 1-2'. Summer-Fall.
2517 Drought tolerant native. Monarch caterpillar host plant with orange flowers. Germ: Germ: 60 days; SIS. Zone 7 *Weaver*
- Asi1050** *Asimina triloba* PAWPAW TREE Shrub/Tree. Sun/PtShade. 20 x 20'. Spring.
0045 Purple flowers in early Spring. Paw Paw can be trained to a single trunk or allowed to become a one-main thicket. Fruit can be wonderfully fragrant. Germ: SIS about 5' apart; Be patient; makes a deep taproot. Zone 6b7a *Bartlett*
- Asp0400** *Asperula orientalis* BLUE WOODRUFF Annual. Full sun to partial shade. 12" tall.
0084 Lavender-blue flowers. Easily grown annual in partial shade. Very floriferous. Good in containers. 12" high Zone 6b *Bowditch*
- Ast5000** *Aster tataricus* TATARIAN ASTER Per. Sun. To 6' or more in bloom. Fall. Zone 4-8.
1228 Lavender flowers with yellow eye. Uses: Medicinal and cut flower. Bees and Butterflies like it. Germ: Warm soil - do not let dry out. Zone 7a *Labash*
- Ast5600** *Astilbe biternata* FALSE GOAT'S BEARD Per. PtShade/Shade. 2 x 2'; to 3' in bloom.
9985 White flowers in spring. Adds height and a light green hue to the shade garden. Germ: Winter sow. SS. Zone 7a *Jenkins Arboretum*
- Ast5700** *Astilbe chinensis* var. *pumila* CHINESE ASTILBE Per. PtShade/Shade. 9-30 x 9-12". Summer.
0318 Lavender flowers in July-August. Prefer moist shade. Zone 6b *Garnett*
- Bap0050** *Baptisia alba* WHITE FALSE INDIGO Per. Sun. 3-4 x 2-3'. April to May. Zone 5-8.
0118 White blooms. Grows in dry woods from North Carolina to Florida. A sparsely branched, bush-like, herbaceous perennial with trifoliate, bluish-green, glaucous leaves. Dark flower stems give rise to erect racemes of small, white, pea-like flowers, up to 2' in length. Blooms in spring. The large, oblong, inflated seed pods are initially green but turn black, extending the show. Sun/partial shade. Germ: Soak: 4 d, W, L. Zone 5a *Stonecrop Gardens*

- 3156 White flowers. Seedlings will not bloom until 2-3 years. Tap rooted, so not easily transplanted once established. Zone 7a *Shaw*
- Bap0100** *Baptisia* 'American Goldfinch' FALSE INDIGO Per. Sun. 3' x 3'. Zone 4-9.
3397 Very dense growth with many flower heads, may flop in heavy rain so staking is advised. Yellow blooms with green stems, tan seed pods. Germ: Scfy. CMS 10 days. Zone 6b *Egbertson*
- 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 6 *Creveling*
1585 Early summer, bright blue blooms, like blue sweet peas, are followed by light green, 1 1/2" seed pods. Germ: C. Germinates easily, but first winter is difficult. Zone 5b *Scofield*
2185 Big, bush-like perennial over time. Blooms in Spring, then sets seed in decorative seed pods. Resents transplanting. Germ: 70d. D. Zone 4b *Wisniewski*
3107 Zone 6b *Sirbaugh*
3645 Purple blooms. Germ: CMS: 10 d, Scfy. Zone 7a *Roskopf*
- Bap1400** *Baptisia bracteata* CREAM WILD INDIGO, CREAM FALSE INDIGO, LONG-BRACT WILD INDIGO Per. 2-2.5' x 2-2.5'. Full Sun to part shade. Late Spring. Zone 3-9.
3666 Pale Yellow flowers. Flowers grow horizontally below the leaves, plant at front of border. Germ: Scarify seed and soak for 30 minutes. Zone 5 *McGowan*
- Bap2300** *Baptisia nuttalliana* NUTTALL'S WILD INDIGO Per. Sun/Pt.Sun. May. Zone 5-9.
3666 Pale yellow. 18" x 18". Germ: Scarify seed and soak for 30 minutes. Zone 5 *McGowan*
- Bap2490** *Baptisia tinctoria* YELLOW WILD INDIGO Per. Sun/PtSun. 2-3' x 2-3'. Early summer. Zone 3-9.
9976 A native of dry, open woods and clearings in sandy soil, this drought tolerant perennial grows 2-3' tall and has attractive grey-green leaves. Germ: Soak and chip seeds; sow 1/4" deep. Zone 6b *Wave Hill Gardeners*
- Beg1050** *Begonia grandis* subsp. *evanstiana* HARDY BEGONIA Per. PtShade/Shade. 2 x 1 1/2'. July to October. Zone 6-9.
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 7a *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. Zone 6b *Garnett*
0522 Pink flowers on shade-loving perennial. Blooms July-October. 18-24" tall. Good companion to hostas and ferns. Zone 7a *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. *evanstiana* var. *alba* HARDY BEGONIA Per. PtShade/Shade. 2 x 1 1/2'. Late Summer-Fall. Zone 6-9.
0522 White flowers on shade-loving perennial. Blooms July-October. 18-24" tall. Appreciates damp soil. Good companion to hostas, ferns, and other shade plants. Zone 7a *Kushner*
- Beg1100** *Begonia grandis* subsp. *evanstiana* 'Heron's Pirouette' HERON'S PIROUETTE HARDY BEGONIA Per. PtShade/Shade. 15". Late Summer-Fall. Zone 5-9.
3107 Zone 6b *Sirbaugh*
- Beg2500** *Begonia sutherlandii* TUBEROUS BEGONIA TenPer. PtShade. 1 x 1 1/2'. Summer.
0592 Small light orange blooms with gold anthers. Slow from bulbils (formed in leaf axils) but steady on from there. Graceful spilling from pot. Germ: NST Zone 6 *Malocsay*
- Ber1955** *Berkheya purpurea* Per. Sun. 2-2.5'. Summer. Zone 7a-10.
3001 Drought tolerant South African plant. Prickly winged stems, dark green leaves, and lavender blooms with dark centers. Germ: NST. W. Zone 7 *Gregg*
9968 Pale lilac flowers. Grow in full sun, well drained soil. Germ: W; BC; Maximum germination time: 21-30 days; NST. Zone 7a *Roper/Chanticleer*

Berlandiera - Caesalpinia

- Ber1960** *Berlandiera lyrata* CHOCOLATE FLOWER Per. Sun. 1-2' x 1-2'. Summer to frost. Zone 4-10.
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. Zone 7b *Plant Delights*
- Big1000** *Bigelowia nuttallii* NUTTALL'S RAYLESS GOLDENROD Per. Full sun. 10-15" tall. Late summer. Zone 5a-9b.
9968 Yellow flowers. Herbaceous perennial reaching only 10-15" tall. This plant grows best in dry soils and full sun. Plants form tufts of threadlike evergreen foliage beneath bright yellow sprays of flowers in late summer. Germ: BC; NST; Surface sow and cover lightly with sand; Germinates in warm conditions. Zone 7a *Roper/Chanticleer*
- Boe0100** *Boehmeria platanifolia* SYCAMORE LEAVED FALSE NETTLE Per. Sun/PtShade. 5'. Zone 5-9.
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*
2802 Underused plant for the shade garden. Great foliage plant! With an added bonus of white flowers in late Summer. Zone 7a *Schenck*
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 7a *Doering*
- Bra0900** *Brassica juncea* 'Red Giant' RED GIANT MUSTARD GREENS Bien. Sun/Pt.Shade. 12-16 x 12-16" Cool season. Zone 2-11.
0043 Great for garden color. Add leaves to salad or cook for a great spicy cabbage green taste. Will seed around if you let it. Germ: NST, SIS Zone 6 *Biderman/Barron*
- 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. Zone 6b *Garnett*
0951 Blue-violet flowers. Native annual that I wouldn't be without. Blooms all summer into fall. May self sow. Zone 6b *Tracey*
3666 Blue flower. Very nice long-blooming filler plant. Zone 5 *McGowan*
- Bup1100** *Bupleurum griffithii* THROUGHWAX An. Sun./PtShade. 30 x 12". Summer.
2621 Neat, angular structure when young, then it is a gold green weaver. Nice in fresh and dry arrangements. Full sun, moderate moisture. Germ: C, NST. Can direct sow in autumn. Zone 6 *Nachlas*
- Bup1400** *Bupleurum rotundifolium* THROW-WAX An. Sun. 2 x 1'. Summer.
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*
- Cae0100** *Caesalpinia gilliesii* HARDY BIRD OF PARADISE TREE Shrub. Sun. 10' tall. Summer
0199 This tropical looking legume is a shrub with mimosa-like foliage, bearing clusters of yellow flowers with long red stamens, starting in early summer. From Argentina and Uruguay. Rated Zone 8 but has survived recent winters with no damage. Pollinated at night by hawk moths. Zone 7 *Cresson*

- Cal0070** *Calamintha nepeta* subsp. *nepeta* Per. Sun. 1-1.5' x 1-2'. Summer. Zone 5-7.
3651 Bushy yet compact, clad in small, ovate, greyish-green leaves. Long-blooming, lilac to white, axillary spikes of minute bilabiate flowers. Can spread, modestly, by seed and rhizomes. A quintessential pollinator plant. Reasonably drought-tolerant. Europe. Germ: BC. W. NST. Zone 6b *Gannon*
- 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*
1181 Low maintenance deciduous shrub. Fruit attracts birds. 3'-6' tall and wide. Full sun to light shade. Showy purple fruit, most abundant in full sun. Germ: NST. Zone 7a *Cyphers*
- Cal4250** *Calycanthus floridus* COMMON SWEETSHRUB, CAROLINA ALLSPICE, STRAWBERRY BUSH Shrub. 6-9 x 6-12'. Spring. Late Spring. Zone 4-9.
3156 Seedlings look like green butterflies. Zone 7a *Shaw*
- 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*
- Cam0320** *Camellia chekiangoleosa* CAMELLIA Shrub. Sun/PtShade. 7-10'. Late Winter-Early Spring.
0199 Red blooms. This new Chinese species, similar to japonica is equally hardy and tends to bloom a bit earlier in spring with large single flowers. This is the typical scarlet red form. Seems to easily hybridize with japonica. Zone 7 *Cresson*
- Cam0325** *Camellia cuspidata* CAMELLIA Shrub. PtSun. 6-9' Zone 7-9.
0199 White blooms. This Chinese species is valued for its profuse small white flowers 1" wide among leaves to 3" long. Although generally less hardy, this is descended from the hardiest form in the Yellow Mountains in Anhwei Province. Zone 7 *Cresson*
- Cam0335** *Camellia japonica* (from Korea) Shrub. PtShade. 15 x 10'. Spring.
0199-B Red flowers. Seed from superior, named clones selected from the hardy Korean japonicas. Deep red, single flowers with yellow stamens. Spring blooming but often open some flowers in November. Generally larger flowers and more compact habits. Probably zone 6a, at least. Zone 7 *Cresson*
- Cam0345** *Camellia japonica* 'Korean Fire' Tree. PtSun. 10-15' x 5-8'. Spring. Zone 6-9.
3176 Red flowers. Attractive slow growing evergreen shrub never damaged by cold. Starts blooming in February. Germ: Seeds were stored moist in the refrigerator. Zone 7a *Maber*
- Cam0350** *Camellia oleifera* TEA-OIL CAMELLIA Shrub. Sun/PtShade. 15+ x 15+'. Fall.
3436 White blooms. Hardy at least to 6b. Flowers in fall. Sun to part or light shade in well-drained soil. Morning sun ideal. Germ: CMS: 60 d, BH, 40 d. One of the hardiest camellias. Ultimately a large, tree-like shrub. Zone 7a *Silberstein*
- Cam0390** *Camellia oleifera* hybrid TEA-OIL CAMELLIA Shrub. PtShade. 12 x 10'. Fall.
0199 (semi-double, pinwheel, rose pink) Parents with semidouble rose pink blooms with narrow petals. Bloom mid-October through November. Seedlings will vary. Zone 7 *Cresson*
- Cam0400** *Camellia oleifera* hybrid (light pink, dark eye) TEA-OIL CAMELLIA Shrub. PtShade. 12 x 8'. Fall.
0199 Parent plant with flat, single, light pink blooms with a darker eye. Light pink flowers stand out against dark foliage. Tall upright habit. Mid-October through November. Very hardy. Seedlings will vary. Zone 7 *Cresson*
- 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*
- Cam0510** *Camellia oleifera* hybrid (anemone-form, white, fragrant) FALL-BLOOMING CAMELLIA Shrub. 8 x 5'. Fall.
0199 Large white flowers with a tuft of shorter petals in the center. Sweeter fragrance than most fall bloomers Seedlings will vary. Zone 7 Zone 7 *Cresson*

Camellia - Capsicum

- Cam0730** *Camellia sasanqua* SASANQUA CAMELLIA Tree. 6-14' tall and 5-7' wide. FS-PS. Zone 7-9.
3436 White or light pink flowers in Fall. Broadleaved evergreen. From hardier hybrids. Germ: CMS 30 days. Zone 7a Silberstein
- Cam0800** *Camellia sinensis* 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 sinensis* '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
- Cam0900** *Camellia sinensis* var. *sinensis* TEA PLANT Tree. 6-12' tall and 4-8' wide. FS-PS. Zone 6-9.
3436 White flowers in Fall. Broadleaved evergreen. Germ: CMS 30 days. Zone 7a Silberstein
- Cam4490** *Campanula pendula* PENDULOUS BELLFLOWER Per. Sun/PtSun. 18-24" x 18-24". Summer. Zone 6-9.
9976 White bloom. Herbaceous perennial growing up to 1 - 2' tall. Short-lived but easy from seed in our Alpine House troughs and walls. Germ: Sow on surface. Needs light for germination. May need cold stratification. Zone 6b Wave Hill Gardeners
- Cam5800** *Campanula trachelium* BATS-IN-THE-BELFRY, THROATWORT Per. Sun/PtShade. 3 x 1'. Summer.
0797 Long-lasting, deep blue flowers. Low foliage and tall flower stalks. Germ: NST. Zone 6b Robinson
1585 Blue flowers. Upright plant. Blooms for several weeks starting in midsummer. Zone 5b Scofield
- Cam6010** *Campsis radicans* TRUMPET VINE Vine. 30'+. Full Sun to part shade. Summer. Zone 4-9.
1715 Yellow flowers. Germ: W; L; SS; Maximum germination time: 75 days. Zone 8b Rosenblum
- Cam7010** *Campylotropis macrocarpa* Shrub. Sun/PtShade. 4 x 3'. Summer.
0045 Soft blue/pink flowers in Sept-Oct on a 5 x 4' shrub. I've grown it in shade for the past 30 years. Not well known. Not difficult. Seems very hardy. Germ: L, NST. Germination time: a couple of months. 60 d. Zone 6b7a Bartlett
0592 Light purple blooms in late summer. Quietly pretty. Lespedeza thunbergii on a diet. Zone 6 Malocsay
2802 Lavender flowers. Relative of Lespedeza. Zone 7a Schenck
- Can5100** *Canna x generalis* An. Sun. 3-6'.
2937-A Rose blooms. Seed is from 'Cannanova Rose' and should be a similar color and around 4-5' tall. Rhizome. Germ: Scfy, Soak. File through seed coat, soak in water, keep at a warm room temperature and change water daily. Once germination is obvious plant in soil. Zone 6a Bittmann
- Can5300** *Canna hybrid* CANNA LILY TenPer. Sun/PtSun. 4 x 2'. Summer-Fall.
2802 Small orange flower with yellow splashes. This plant has been hardy in my garden and comes back yearly. Germ: Nick seed. Zone 7a Schenck
- 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. Zone 7a Bartram's Garden
- Cap1050** *Capsicum annuum* 'Basket of Fire' BASKET OF FIRE PEPPER Annual. Full sun. 12". Summer.
2517 Hot, edible, ornamental pepper that thrives in heat and low humidity. It grows to a mature height of 12" and spreads with cascading branches to 20" wide. This plant has showy orange fruit with yellow overtones that fade to red as well as pointy light green leaves throughout the season from mid-summer to early fall. 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

- Cap1600** *Capsicum annuum* 'Hot Pops Purple' HOT POPS PURPLE ORNAMENTAL HOT PEPPER Annual. Full sun. 8". Summer. 0965 White flowers. Pea-sized fruit start purple then age to orange. Nice 12" x 12" bush. Zone 7a *Umpbrey*
- Cap1610** *Capsicum annuum* 'Kung Pao' KUNG PAO PEPPER Annual. Full sun. 3-4'. Summer. 2515 White flowers. The slightly hot peppers were abundant from August to frost. Germ: NST; BH. Zone 6b *Doblmaier*
- Cap1950** *Capsicum annuum* 'Midnight Fire' ORNAMENTAL PEPPER An./TenPer. Sun/PtSun. 12-14" x 12-16". Zone 9-11. 2515 White flowers. The edible, hot, ornamental peppers start green, then eventually turn red. The red fruits look fabulous with the darker foliage. Germ: NST; BH. Zone 6b *Doblmaier*
- Cap2100** *Capsicum annuum* 'Purple Flash' ORNAMENTAL PEPPER An./TenPer. 18-24 x 18". Summer-Fall. 0269 Handsome ornamental pepper with brilliant dark purple foliage splashed with paler purple and white. Small fruits mature from black to red. Full sun. Plants are 15 to 20 inches tall and wide. Germ: BH. Sow as you would any other pepper, 6-8 wk before the last frost date, and transplant after danger of frost once the soil has warmed up. Zone 7 *Ellis*
- 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*
- Cap2250** *Capsicum annuum* 'Sedona Sun' ORNAMENTAL PEPPER An. Sun. 9-12 x 14-16". Summer-Fall. 0965 White flowers. 1/2" fruit starts out cream and turns yellow, then orange on a very compact plant to 12". Zone 7a *Umpbrey*
2517 Masses of distinctive lemon yellow and carrot orange fruit put on a brilliant, multicolor display. 12" annual. Germ: NST. Zone 7 *Weaver*
- Cap2850** *Capsicum annuum* 'Shishito' SHISHITO PEPPER Annual. Full Sun. 2' tall 5011 Germ: BH; plant @1/4" deep; NST; Maximum germination time: 10-14 days. Zone 6a *Baccari*
- 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*
- 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. Zone 7a *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*
- Car2500** *Carex muskingumensis* PALM SEDGE Sedge/Grass. Sun/PtShade. 2½ x 1½'. Summer. Zone 4-9. 3178 Germ: NST. I winter sow. Zone 7a *Standen*
- Car3500** *Caryopteris divaricata* BLUE MIST SHRUB Per. Sun/PtShade. 3-6 x 5'. Fall. 0118 Violet-blue flowers with light green, aromatic foliage. Spikes of open, hooded flowers in late August. Germ: W; BC. Zone 5a *Stonecrop Gardens*
- 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*
- Cel0430** *Celosia argentea* (Cristata Group) 'Dracula' DRACULA CELOSIA Annual. Full sun. 18". Summer. 2515 Wine colored flowers and leaves are reddish if grown in full sun. A large Celosia flower that looks great for Halloween. Started a few plants in the Spring, but then grew a few more over the summer to have fresh plants for later in the growing season. Does not need staking unless transplanted too many times. Germ: NST. Zone 6b *Doblmaier*

Centratherum - Clematis

- 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 7a *Doering*
1918 Creamy white flowers. Native shrub that can grow 6-10' tall. Decorative spherical flowers are a fun feature. Also attracts pollinators. Wet site tolerant. Perfect for a rain garden, shrub border or wild area. Germ: SIS. Zone 6b *Carey*
- Cep1250** *Cephalaria gigantea* GIANT YELLOW SCABIOSA Per. Sun/PtShade. 3 x 3'; to 7' in bloom. Summer.
3666 Pale yellow flowers. 4 to 5' tall. Summer bloom time. Germ: CMS. Zone 5 *McGowan*
- Cep2300** *Cephalotaxus sinensis* CHINESE PLUM-YEW Tree. 50'-65 tall. Zone 7.
2802 Started as a seedling. The plant is now 4-5' tall and producing seeds. May be able to withstand colder temperatures. Zone 7a *Schenck*
- Cer1300** *Ceratobeca triloba* SOUTH AFRICAN FOXGLOVE An. Sun. 4-6 x 2½'. Summer-Fall.
0592 Pink trumpets, handsome foliage, very quick to bloom from seed. Zone 6 *Malocsay*
- Ces2000** *Cestrum* species ORANGE PEEL CESTRUM
3436 Orange blooms. 5-6' high. Germ: SR. Shrub which dies back in mid 20s and flowers on new wood. Easily hardy in zone 7 with a little mulch. Zone 7a *Silberstein*
- Che2000** *Chelone glabra* TURTLEHEAD Per. PtShade. 2-3 x 2'. Summer-Fall.
0318 Pink flowers. Likes moisture. Will self-sow if happy. Zone 6b *Garnett*
- 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. Small enough for most gardens.
Germ: Cycle: warm/cold; May not germinate until 2nd spring. Zone 6b7a *Bartlett*
- Cir1050** *Cirsium discolor* FIELD THISTLE, PASTURE THISTLE Biennial. Sun. Up to 7-10' in flower. Zone 3-9.
3651 Blooms: light pink. Basal rosettes of narrow, lobed leaves form in the first season, giving rise to a towering stalk in late summer of its second season, up to 10' in height, bearing thistle flowers 2" across with tufts of pastel disk florets emerging from a tight weave of involucre bracts. Distinguished from invasive members of its genus by hoary to tomentose leaf undersides and leaf margins with comparably few spines. Mesic to dry conditions. Eastern N. America. Germ: CMS 60d. BC. NST. Zone 6b *Gannon*
- Cit1150** *Citrus trifoliata* 'Flying Dragon' BITTER ORANGE Tree. Sun/PtShade. 4-6 x 12-15'. Spring/Summer. Zone 6-10.
3436 White flowers. Very spiny. Flowers with *Cornus florida*. Contorted growth. Germ: CMS 30 days. Zone 7a *Silberstein*
- Cle0850** *Clematis campaniflora* Vine. Sun. 6-20'. Summer.
0199 White flowers, tinted pale lilac. Masses of small viticella-like flowers in June and July. Zone 7 *Cresson*
- Cle2650** *Clematis fremontii* FREEMONT'S LEATHER FLOWER Per. Sun. 12". Zone 4-7.
0032 Zone 7b *Plant Delights*
- 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*
2429 Zone 6 *Bricker*
- Cle3450** *Clematis* 'Helios' Vine. Sun/PtShade. 6'. Summer.
0199 Climbing vine with golden yellow nodding flowers beginning early summer and repeating later. Fluffy seed heads. A good form of ~*C. tangutica*~. Sun. Zone 7 *Cresson*

- Cle3600** *Clematis heracleifolia* TUBE CLEMATIS Per. Sun/PtShade. 2½ x 3'. Summer. Zone 3-8.
9976 Shrubby Clematis with rich tubular blue flowers in midsummer. Will slowly self-sow in the garden, but not excessively so. Growing in our Flower Garden and Wild Garden in sun to part shade. Deer and black walnut tolerant. Germ: Slow and irregular germination, sow outside in pots or pre-chill for 3 months. Zone 6b *Wave Hill Gardeners*
- Cle3800** *Clematis hexapetala* Vine. Sun. 25 x 3-4'. Summer.
1607 White bloom. Pruning group 3. Non-climbing. Germ: CMS 90d. Zone 7a *Jellinek*
3321 White bloom. Pruning group 3. Non-climbing. Germ: 90d CMS Zone 6 *Perron*
- Cle3830** *Clematis hexapetala* 'Mongolian Snowflakes' MONGOLIAN SNOWFLAKES SIX-PETALED BUSH CLEMATIS Per. Sun. 18". Zone 4a-7b.
0032 The stems are laden near the tips with hundreds of six-petaled (i.e. hexapetala) white flowers from spring through summer...a truly amazing perennial. Zone 7b *Plant Delights*
2137 White flowers. Non-climbing Clematis blooms all summer with small, white flowers. 1-1/2'-sized plant forms a nice groundcover with thick, pinkie-sized leaves. Germ: CMS for 90 days. Zone 6b *Boylan*
- Cle4450** *Clematis* 'Lemon Beauty' Vine. Sun/PtShade. Spring.
0199 Yellow blooms. Hybrid related to ~*C. alpina*~ with large early light lemon yellow flowers in April/May. Zone 7 *Cresson*
- 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*
- 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. 6-4'. Early Summer-Early Fall. Zone 4-8.
0239 Plum to purple blooms. Long-blooming climber, June to October. Flowers are nodding and bell-like. Prune late winter or early spring. Blooms on new growth. Germ: CMS, OW, SIS. Zone 7a *Doering*
0522 Plum purple flowers. A nonstop bloomer for months. Dainty, ribbed, bell-shaped flowers. Zone 7a *Kusbner*
- Cle6100** *Clematis terniflora* SWEET AUTUMN CLEMATIS Vine. Sun. 12-15'. Fall.
1228 White flowers. Cut flower. Pruning group 1. Germ: WMS. Zone 7a *Labash*
- Cle6150** *Clematis texensis* SCARLET CLEMATIS, TEXAS CLEMATIS Vine. Sun/PtShade. Summer-Fall. 15 x 1½'. Summer.
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*
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*
- Cle6490** *Clematis vineacea* 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*
- Cle6500** *Clematis viorna* VASEVINE PerVine. Shade/PtShade. 6-12'. Summer. Zone 4-8.
1607 Purplish pink bells on this Southeastern native vine. Summer bloomer. My plants were grown from seeds I received from the HPS Seed Exchange. Zone 7a *Jellinek*
3666 Violet flower. Great southern clematis for growing through shrubs. Germ: CMS Zone 5 *McGowan*
9985 Fall seed structure is decorative. Native. Germ: Soak 24 hours then sow outside (sowing in fall is preferred). These seeds were warm stratified 30 days then kept cold since 11/24. Zone 7a *Jenkins Arboretum*
- Cle7300** *Cleome hassleriana* SPIDER FLOWER An. Sun. 5-6 x 3'. Summer-Fall.
0043 Mixed pink and purples. Will seed around, but easy to weed or move to where you want them (when small). Zone 6 *Biderman/Barron*

Cleome - Cosmos

- 0239 Pink blooms. Great mid to late summer bloomer for the back of the garden. East to grow and, best of all, deer resistant. Germ: SIS, SS, NST. Zone 7a *Doering*
- 1918 Pink and white/Purple and white flowers. Tall annual that blooms continuously from June to frost. This has an odor when touched and spines that deter deer browse. Airy in the flower bed. Germ: SIS. Zone 6b *Carey*
- Cle7600** *Cleome serrulata* ROCKY MOUNTAIN BEE PLANT An. Sun. 2½-3 x 1½'. Summer.
3666 Purple flower. Zone 5 *McGowan*
- Cle7700** *Cleome* species SPIDER FLOWER An.
2185 Great annual for sites with a little shade, a little moisture. Tall, white, and self seeds in place. Germ: W. NST. Zone 4b *Wisniewski*
- Cod5050** *Codonopsis tubulosa* PerVine. Sun/PtShade. 8'. Summer.
0239 White flowers with muted blue-purple inner markings. Good vine for late summer-fall bloom. Nodding bell-shaped flower has beautiful interior. Wonderful vine to grow over a deck railing or over an evergreen shrub near a terrace. Place so that viewers can look up into the lovely, nodding flowers. Germ: BH; BC; NST. Self-sows somewhat but not invasively. Zone 7a *Doering*
- Col1400** *Collinsonia canadensis* HORSEBALM Per. PtShade. 2-4 x 1-3'. Late Summer. Zone 4-8.
0032 Germ: CMS, Cycle. BC, NST. Zone 7b *Plant Delights*
- Con0700** *Conoclinium coelestinum* BLUE MISTFLOWER Per. Sun/PtShade. 24-36". Midsummer-Fall. Zone 5-10.
0590 Very vigorous. Lots of blue-violet flowers first year. Grew in bottomless pot sunk in the garden. 18" - 24" height. Source HPS 2022. Germ: NST. SIS Zone 7a *Mahony*
1918 Blue flowers. Spreading native perennial. Blooms midsummer to early fall. Looks similar to annual Ageratum. Will seed in - so use in a wild garden. Germ: SIS. Zone 6b *Carey*
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. Germ: SIS Zone 6b *Egbertson*
9976 Native perennial, resembling Ageratum when in bloom in late Summer. Spreads stoloniferously and by self-sowing, but not a problem for us at Wave Hill. Zone 6b *Wave Hill Gardeners*
9985 Zone 7a *Jenkins Arboretum*
- Con1050** *Consolida ajacis* LARKSPUR An. Sun. 4 x 1'. Late Spring-Summer.
0043 Mix- light blue, pink, dark blue, white. Really great massed for middle summer show. Seeds around. Germ: SIS Zone 6 *Biderman/Barron*
0239 Mostly blue, some white flowers. Wonderful filler for perennial garden. Germ: SS; SIS late winter where color is desired. Zone 7a *Doering*
- Con1100** *Consolida ajacis* (blue) LARKSPUR An. Sun. 4 x 1'. Late Spring-Summer.
2621 Clear blue flowers. Dislike the heat. Germ: CMS 30 d, C, NST. Can scatter direct 2 wk before last frost. Zone 6 *Nachlas*
- Con1180** *Consolida ajacis* (purple blooms) GIANT LARKSPUR Annual. Full Sun. 2-4' tall. Summer.
0522 Purple blooms. Zone 7a *Kushner*
- Cor1830** *Coreopsis tinctoria* PLAINS COREOPSIS An. Sun. 12-18" x 15-18". Summer.
2621 Dwarf Red Plains Coreopsis with red flowers, lacy leaves. Tolerates poor soil, med moisture to wet. Blooms Sum-Fall when trimmed. Often self seeds. Great filler. Germ: NST, SS, SIS Zone 6 *Nachlas*
- Cor2530** *Cornus capitata* EVERGREEN DOGWOOD Evergreen. Full sun to part shade. 20-40' x 20-40'. Early summer. Zone 8-9.
2802 Creamy white to pale yellow flowers. Small tree that survives in my yard. Zone 7a *Schenck*
- 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. Zone 6b *Robinson*
2497 Zone 7b *Mackey*
- Cos2600** *Cosmos sulphureus* 'Cosmic Orange' An. Sun. 2-3 x 2-3'. Summer-Fall.
0627 Bright yellow-orange flowers. Self-sows. Zone 6b *McShane*

- Cot0800** *Cotoneaster franchetti* ORANGE COTONEASTER Shrub. Sun/PtShade. 10'. Spring.
0199 White blooms. One of my favorite cotoneasters from SW China with semi-evergreen grey-green foliage and orange fruit. Gracefully arching branches on a free-standing shrub also make a good espalier. Zone 7 *Cresson*
- Cra1270** *Crambe maritima* SEA KALE Per. Sun. 2-3'. Late Spring/Midsummer. Zone 5-9.
0951 White blooms. Tough plant for sunny, well-drained soil. Beautiful blue cabbage leaves and sprays of white flowers in June. Zone 6b *Tracey*
- Cyc0700** *Cyclamen coum* (mixed forms)
0045 Pink to white blooms. A wonderful plant for late winter, flowering February-April. Plant where you can see them. They may naturalize. Super foliage. Probably at least 5A hardy. Does not like wet feet. Germ: Wash seed, soak overnight. Give complete darkness at 59-60 degrees for 28 days. Then uncover. Transplant at one year. Zone 6b7a *Bartlett*
2429 Zone 6 *Bricker*
- Cyc1500** *Cyclamen graecum*
2429 Variable and intricately patterned foliage. Tender, but easy in a pot with some protection. Zone 6 *Bricker*
- Cyc1700** *Cyclamen bederifolium* Per. Shade. 5 x 5". Fall.
0045 Pink or white blooms. A truly wonderful fall-blooming geophyte for light to moderate shade. They need dry feet. May naturalize. Germ: Soak overnight; C; D; 18 mo. Sow with grower grit. Hold seedlings in pot until after first dormancy. For germination, see ~Genus Cyclamen: In Science, Cultivation, Art and Culture, ~ by Brian Mather. Zone 6b7a *Bartlett*
2429 Zone 6 *Bricker*
- Cyc3000** *Cyclamen persicum* CYCLAMEN Per. Shade. 6 x 10". Winter. Zone 8-10.
0199 Pink blooms. Bulb. Silver-marbled, heart-shaped leaves. Doubtful outdoor hardiness, but makes a good plant for a cool windowsill. Summer dormant. My parent plant is 30 years old. Zone 7 *Cresson*
- Cyn0215** *Cynoglossum amabile* 'Mystery Rose' CHINESE FORGET-ME-NOT An. Sun/PtShade. 9-12". Spring-Summer.
0797 Pink, rose blooms. Zone 6b *Robinson*
- Cyp1900** *Cyperus involucratus* 'Baby Tut' UMBRELLA PLANT, UMBRELLA PAPYRUS, UMBRELLA PALM TenPer. Sun/PtShade. 18-24".
0065 Not hardy, but occasionally lives over. Germ: W; NST. Zone 6b *Berger*
- Cyr3000** *Cyrtanthus elatus* SCARBOROUGH LILY, GEORGE LILY, FIRE LILY Bulb. Partial Shade. 18". Summer. Zone 10.
0522 Pink flowers. A South African bulbous flowering plant. I grow mine in a greenhouse, but could sit indoors in a sunny window. Source: Lazy S Nursery. Zone 7a *Kushner*
- Dal1070** *Dalea purpurea* PURPLE PRAIRIE CLOVER Per. Sun. 1-3' x x 1-1.5'. Summer. Zone 3-8.
0032 Zone 7b *Plant Delights*
- Dan1050** *Danae racemosa* POET'S LAUREL Shrub. PtShade/Shade. 3 x 3'. Summer. Zone 6-9
0522 Greenish yellow bloom. Notable for its waxy green leaves. Evergreen with orange berries in the autumn. Favored by floral arrangers. Zone 7a *Kushner*
- Dat4000** *Datura* 'Evening Fragrance' DOWNY THORN APPLE Per. Sun/PtShade. 4-6'. Late Spring/Early Summer.
2515 Blue-green leaves and fragrant white flowers. Zone 6b *Doblmaier*
- Del1550** *Delphinium exaltatum* TALL LARKSPUR Per. Sun. 6 x 1½'. Summer.
0199 Blue-purple blooms. This native wildflower produces spikes of blue to purple flowers in late spring to early summer. Prefers afternoon shade in our hot summers. Zone 7 *Cresson*
- Dia0800** *Dianthus barbatus* 'Nigrescens' Bien. Sun. 1-2 x 2'. Late Spring-Summer.
2621 Well drained to gravelly, drought tolerant. Deep maroon cluster from mound of glossy green leaves. Fragrant and excellent cut flower from HPS21. Germ: Lightly cover, damp, at room temp. Zone 6 *Nachlas*
- Dia0900** *Dianthus barbatus* 'Sooty' Bien. Sun. 1-2 x 2'. Late Spring-Summer.
1017 Deep red-black flowers. Charming biennial, sometimes persists longer. Zone 5b *Whitesell*
- Dia4970** *Dianthus microleptis* Per. Sun. 2-3". Spring. Zone 4-7.
1607 Light pink bloom. Germ: Room temp 65-70deg. Zone 7a *Jellinek*

Dicentra - Elephantopus

- Dic4650** *Dicentra torulosa* An./TenPer. Vine. Sun/PtShade/Shade. 12'. Summer.
0797 Lacy vine with small yellow flowers. Climbs up through shrubs. Self-sows everywhere. Germ: NST; BC; W. Zone 6b
Robinson
- Dic5020** *Dictamnus albus* var. *purpureus* GASPLANT Per. Sun/PtShade. 2-3 x 2½'. Late Spring-Summer.
1228 Zone 7a *Labash*
- Dig1090** *Digitalis ferruginea* 'Gelber Herold' COPPER FOXGLOVE, RUSTY FOXGLOVE Bien./Per. Sun/PtShade. 1 x 1½'; to 2' in bloom. Summer.
1224 Rusty yellow flowers. Germ: NST. Zone 5 *Lockhart*
- Dig2500** *Digitalis grandiflora* PERENNIAL FOXGLOVE, YELLOW FOXGLOVE Per. Sun/PtShade. 1-1½ x 1'; from 2-3' tall in bloom. Late Spring-Summer.
0797 Germ: BC; SIS. Zone 6b *Robinson*
- Dig3500** *Digitalis lutea* STRAW FOXGLOVE Per. PtShade. 6-12" x 12"; from 1-2' in bloom. Late Spring-Summer. Zone 3-9.
0118 Creamy Yellow blooms. Perennial to 2½'. 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
0797 Yellow flowers. Germ: BC; SIS. Zone 6b *Robinson*
- Dig4050** *Digitalis purpurea* FOXGLOVE Bien./Per. PtShade. 2 x 2'; from 4-6' in bloom. Early Summer.
1918 Purple-pink-white flowers. This classic cottage garden biennial plant should be sown in mid to late spring for bloom the following year. Spires of tubular flowers loved by bumblebees. Germ: SIS. Zone 6b *Carey*
- Dig4150** *Digitalis purpurea* 'Alba' WHITE FOXGLOVE Bien./Per. Sun/PtShade. 2 x 2'; from 3-6' in bloom. Summer.
0084 White biennial that is probably from 'Snow Thimble' I had from Annie's Annuals in CA. Zone 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, then WMS. Zone 7a *Labash*
2429 Zone 6 *Bricker*
- Dip1050** *Dipsacus fullonum* TEASEL Bien. Sun/PtShade. 4-6' x 1-2'. Summer-Fall. Zone 3-8.
0797 Buff-colored flowers. Zone 6b *Robinson*
3321 Green blooms with lilac bands. Zone 6 *Perron*
- 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. Zone 7a *Bartram's Garden*
- Ech0050** *Echinacea pallida* PALE PURPLE CONEFLOWER Per. Sun. 2-3' x 1-1.5'. Early summer. Zone 3-10.
2497 Slender drooping pale pink-purple rays surround a reddish cone. Flowers several weeks before E. purpurea. Average to dry soil. Native to central U.S. Germ: CMS. Zone 7b *Mackey*
- Ech0250** *Echinacea purpurea* PURPLE CONEFLOWER Per. SunPt/Sun. 2-5' x 1.5-2'. Summer-Fall. Zone 3-8.
2185 Warm pink with orange cone. One of the old reliables of the garden. Germ: W. NST. Zone 4b *Wisniewski*
- Ech0500** *Echinacea purpurea* 'Alba' WHITE CONEFLOWER Per. Sun/PtShade. 3-5 x 3-4'. Summer-Fall.
1020 White flowers. Zone 7 *Wiedorn*
- Ech1400** *Echinacea* 'Cheyenne Spirit' CONEFLOWER Per. Sun/PtSun. 1-2½ x 1-2'. Summer. Zone 4-9.
0590 Gold, yellow, orange, red, purple. Zone 7a *Mabony*
- Ech3500** *Echinops tjangschanicus* TJANSCHAN GLOBE THISTLE Per. Sun. 5'. Summer. Zone 6-9.
3651 Blooms: bright blue. Upright herbaceous perennial to 5', from the Tien Shan Mountain range in Central Asia, a formidable species with silvery blue spheres of flowers atop sturdy stalks of alternate, grey-green, thistle-like leaves, leaving behind attractively spiny seedheads. Mesic to dry conditions. Germ: BC. NST. Zone 6b *Gannon*
- Ele0450** *Elephantopus carolinianus* ELEPHANT'S FOOT Per. Sun/PtShade. 2-3 x 2-3'. Late Summer-Fall. Zone 4-9.
3178 Zone 7a *Standen*

- Els1050** *Elsholtzia 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 7a *Doering*
- 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*
- Eri0100** *Erica arborea* TREE HEATH Evergreen. Full sun to part shade. 8-12' x 4-6'. May. Zone 7-9.
1715 White flowers. Germ: W; L; SS; Maximum germination time: 75 days. Zone 8b *Rosenblum*
- Eri1290** *Erigeron philadelphicus* PHILADELPHIA FLEABANE Biennial. Sun. 2-2.5' x 1-1.5'. Spring. Zone 2-7.
3397 Widespread biennial US Native Daisy with white ray flowers with > 150 petals, central yellow disk, many flowers per stem. Medium wet soils. Part shade. Valuable to native bees. Germ: SIS or W,L Zone 6b *Egbertson*
- Eri3000** *Eriogonum allenii* SHALE BARRENS BUCKWHEAT Per. Sun/PtSun. 16". Summer Zone 5-9.
0199 Yellow blooms. One of the few eastern native buckwheats. A low drought tolerant perennial for sunny well drained sites, perfect for a rock garden. Dark green paddle-like foliage and masses of small bright yellow flowers. From the seed strain marked as 'Little Rascal'. Zone 7 *Cresson*
- Ery3010** *Eryngium giganteum* MISS WILLMOTT'S GHOST Bien. Sun. 3 x 1'. Summer.
1017 Steel blue. Strong architectural form. Nice silver foliage. Zone 5b *Whitesell*
3666 White and silver flower. Best sown in place in fall or winter. Zone 5 *McGowan*
9968 Silver-white flowers. Architectural plant. Full sun. Well-drained soil. Germ: Pretreatment: 65-70 for 2-4 weeks then 25-40 for 4-6 weeks or sow outdoors in late Summer to Fall Zone 7a *Roper/Chanticleer*
- Ery3500** *Eryngium leavenworthii* An. Sun. 3 x 3; to 3' in bloom. Summer-Fall.
0592 As with all Eryngiums, structure is the mainstay, though by August this annual puts on a brilliant show of steely blue. The donor in 2020-2021 suggested late-autumn-early spring CMS 8-10 weeks with possible 2nd moist stratification. Here it self-sowed so liberally I'm confining it to one area where it serves very well, with a much more slender profile than the 3'x3' spread. As noted there, splendid for picking - just do wear gloves. Germ: CMS: 8-10 weeks; SIS; RTp. Zone 6 *Malocsay*
9968 Blue-purple flowers. Annual. Sun, well-drained, average soil, 2' T, 2' W. Great cut flower. Foliage is blue-grey. Germ: CMS: 8-10 weeks sown in late autumn-early spring. May require a 2nd moist/cold stratification. Zone 7a *Roper/Chanticleer*
- 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. Zone 6b *Robinson*
- Ery4400** *Eryngium ravenelii* 'Charleston Blues' RAVENEL'S SWAMP RATTLESNAKE MASTER Per. Sun/PtSun. 30". Zone 4a-8b.
0032 Small basal rosette of 1' long linear leaves, which, starting for us in mid-August, is topped with 30" tall flowering stalks, each ending in branched antennae-like clusters of 6-10 blue fuzzy, thumb-sized ball flower heads...a superb pollinator plant. Zone 7b *Plant Delights*
- Ery5250** *Eryngium yuccifolium* RATTLESNAKE MASTER Per. Sun. 4 x 2'. Summer/Fall.
2429 Germ: CMS: 90 d. Zone 6 *Bricker*
- Ery5300** *Eryngium yuccifolium* 'Kershaw Blue' BUTTON ERYNGO, RATTLESNAKE MASTER Per. Sun/PtShade. 30". Late Summer. Zone 4a-8b.
0032 A1SC-002. Green blooms. Seeds from a plant from Kershaw, SC. This is a seed strain which comes true to type. Germ: BC, SS, NST. Zone 7b *Plant Delights*
- Ery5400** *Eryngium x zabelii* 'Big Blue' SEA HOLLY Per. Sun. 18-24". Summer. Zone 5-9.
0199 Blue blooms. Most impressive 4"-wide, steely blue flowers. Good drainage and drought tolerant. Zone 7 *Cresson*
- Euo1050** *Euonymus americanus* HEARTS A BUSTIN', AMERICAN STRAWBERRY BUSH Shrub. PtShade. 4-6' x 4-5'. Spring. Zone 6-9.
0045 Pink flowers. Grown for decorative seed heads in autumn. A less common native. Germ: Maximum germination time: 2 years. Zone 6b7a *Bartlett*

Eupatorium - Fatsia

- 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*
- 2802 Native Euonymus. Lovely seed capsules in the Fall. Not deer resistant. Zone 7a *Schenck*
- 3156 Green insignificant flowers. Grows best in light shade. Zone 7a *Shaw*
- 9985 Fall seed pods are most decorative. Flowers are insignificant. Native. Germ: Clean carefully as berry has chemical inhibitor. Soak and rinse for several days and rub clean. 2 year cycle or WCW (90 days each). These seeds have been warm stratified and are ready for cold cycle. 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*
- Eup5550** *Euphorbia corallitoides* Per. Sun. 2 x 2'.
0951 Yellow flowers. Self sows on our property, but don't consider it a nuisance. Blooms throughout the years with a strong flush in Fall to December. Zone 6b *Tracey*
- Eup5570** *Euphorbia corollata* : EUPHORBIA MARILANDICA, TITHYMALOPSIS OLIVACEA Per. Sun. ½-3'. Early Summer-Early Fall. Zone 4-7.
0951 White flowers. Self sown plants do best! Blooms July-August. Prairie native. Zone 6b *Tracey*
0965 White blooms. Very slow to get started and looks pathetic in pots (which is probably why it is hard to find in the trade), but once in the ground for a while, it is wonderful. Bloomed for practically the entire summer this year, with grey-green foliage on 24" plants. A meadow plant, it likes lots of sun. Zone 7a *Umpbrey*
- Eup5650** *Euphorbia cyathophora* FIRE-ON-THE-MOUNTAIN, SUMMER POINSETTIA, MEXICAN FIRE PLANT An. Sun. 2½'. Summer-Fall.
9976 A good filler plant which self-sows, but easy to pull out where not wanted. Develops red bracts in late Summer. Growing in our Wild Garden. Germ: Direct sow in pots or in pots 1/8" deep. Zone 6b *Wave Hill Gardeners*
- Eup6400** *Euphorbia heterophylla* TenPer. Sun/PtSun. 24-36 x 24-36". Summer. Zone 9a-11.
0199 Yellowish green flowers. The main attraction of this Central American annual is the red flower bracts, a muted version of its relative, the poinsettia. Vigorous bushy plants reach 2-3' in Sun/PtShade. Seed overwinters in the garden. Zone 7 *Cresson*
- Eup6900** *Euphorbia marginata* SNOW-ON-THE-MOUNTAIN An. Sun/PtShade. 3'. Summer-Fall.
2621 White flowers. Bright white margins on leaves lights up the late summer garden. Tolerates poor soil. Deer resistant. Sap may irritate. Dislikes transplant. Long lasting in a vase. Germ: W. NST. Germination erratic. Prolific self seeder. Zone 6 *Nachlas*
- 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. Zone 7a *Kushner*
3436 Yellow blooms. Cherry red seed capsules in fall are showy. Germ: Shade tolerant small tree. Zone 7a *Silberstein*
- Eut0010** *Euthamia graminifolia* GRASS-LEAVED GOLDENROD, FLAT-TOP GOLDENTOP, LANCE-LEAVED GOLDENROD Per. Full sun. 2-4'. July to September. Zone 3-9.
2802 Yellow flowers. Tolerates wet sites. Zone 7a *Schenck*
- Eut0550** *Eutrochium purpureum* JOE PYE WEED Per. Sun/PtShade. 6-7 x 3'. Summer-Fall.
0200 Purple-rose flowers attract butterflies. Native Plant Zone 6 *Creveling*
- Fag1000** *Fagus grandifolia* AMERICAN BEECH Tree. Sun. 50-70 x 50-70'. Spring.
0522 Native to the eastern US. Zone 7a *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*
- Fil0590** *Filipendula camtschatica* 'Summer Snow' SUMMER SNOW KAMTSCHATKA MEADOWSWEET Per. Sun/PtSun. 6-10' x 6-10'. Zone 3a-8a.
0032 Zone 7b *Plant Delights*
- Foe1700** *Foeniculum vulgare* 'Purpureum' FENNEL Per. Sun. 4-6'. Summer. Zone 5+.
0118 This Sweet Fennel has gorgeous purple-bronze, feathery foliage. Fine, straw-yellow umbels contrast beautifully with the anise-scented leaves. A great foil in the flower garden. Germ: SS. W. NST. Zone 5a *Stoncrop Gardens*
- Fri2120** *Fritillaria messanensis* ssp. *gracilis* SLENDER-LEAF BALKAN FRITILLARY Per. Sun/PtSun. 16". Zone 7a-9b.
0032 Zone 7b *Plant Delights*
- Fri3500** *Fritillaria verticillata* PerBulb. Sun/Pt.Shade. 2'. Spring Zone 6-8.
0032 Bell-shaped white flowers checkered green or brown. Zone 7b *Plant Delights*
- Fuc1020** *Fuchsia hatschbachii* LADY'S EARDROPS Woody. Sun/PtShade. 2-3 x 2-3'. Summer-Fall.
0199 Red and purple flowers. Another hardy species similar to *F. magellanica* but with narrow 4" glossy leaves and a graceful vase-shaped habit. Grow outdoors as a hardy perennial and mulch in winter for extra protection. Lots of tasty purple-black fruit. Previously offered as *F. regia*, a similar species. SW Brazil. My favorite hardy 7 fuchsia! Zone 7 *Cresson*
- Gal2010** *Galtonia candicans* 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*
- Gel1050** *Gelasine elongata* GELASINE Per. Sun/PtShade. 2'. Early Summer.
0032 Purple/bright blue flowers. Germ: BC, NST. Zone 7b *Plant Delights*
- Gen0500** *Gentiana andrewsii* BOTTLE GENTIAN, CLOSED GENTIAN Per. PtShade. 1-2' x 1-1.5'. Summer-Fall. Zone 3-8.
0199 Blue flowers. A treasured wildflower for partial shade in moist well drained soil. Zone 7 *Cresson*
1918 Blue flowers. Short, native perennial with interesting closed flowers the bumblebees wriggle themselves into. Wetland or moist soil. Sun/part shade. Germ: SIS. Zone 6b *Carey*
9985 Blue flowers. Germ: CMS 90 d, R, SS. Zone 7a *Jenkins Arboretum*
- Gen1680** *Gentiana daburica* Per. PtShade. 16 x 10". Late Summer.
0199 Foot wide basal rosettes of long narrow leaves produce lax stems of deep true blue flowers with white throats in late summer. Easy to grow in well drained lime free soil. Zone 7 *Cresson*
- 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*
- Gla0973** *Gladiolus tristis* MARSH AFRIKANER TenCorm. Sun/Pt.Shade. 1.5-2-5'. Late Winter-Spring. Zone 8-9.
0045 Yellow/straw. South African winter flowering Glad to 30". Quickly fills a pot with flowering corms. A pot of them in a cool greenhouse is a great treat for winter flowers. Germ: Maximum germination time: 150 days; NST. Zone 6b7a *Bartlett*
- Gla1050** *Glaucium flavum* HORNED POPPY Per. Sun. ½ x 1-2'; to 1" in bloom. Summer.
0199 Zone 7 *Cresson*
3666 Orange and salmon flower. Long period of heavy flowering of 2 inch blooms. Best sown in place in fall Zone 5 *McGowan*
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/Chanticleer*
- Gla1070** *Glaucium 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/Chanticleer*

Gomphocarpus - Helleborus

- Gom0400** *Gomphocarpus physocarpus* PUFFER FISH MILKWEED, SWANPLANT An. Sun/PtShade. 4-6 x 2'. Summer.
1228 Zone 7a *Labash*
3107 White flowers. Mostly grown for autumn arrangements because of distinctive hairy ball seed pods. Zone 6b *Sirbaugh*
- Gos0055** *Gossypium herbarium* 'Albe Red Variegated' COTTON Annual. 2-3'. Full sun. Summer. Zone 10.
0590 Burgundy, pink, cream flowers. Great foliage. 24". Source HPS 2022. Germ: NST. Zone 7a *Mabony*
2515 Pink flowers. The leaves were less variegated this year, instead more blotches on the red foliage. The highlight is the cotton bolls. Germ: NST. Zone 6b *Doblmaier*
- 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 6b *Doblmaier*
- Gos0550** *Gossypium thurberi* 'Mt. Lemmon' Per. Sun/PtShade. 4'. Zone 8-10.
0032 Germ: D, NST. Zone 7b *Plant Delights*
- 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*
- Hab2350** *Habranthus martinezii* 'Mini Cherry' RAIN LILY TenBulb. Sun. 8". Summer.
0522 White and pink flowers. White flowers with petals brushed in pink. Source: Lazy S Nursery. Zone 7a *Kushner*
- Hab2550** *Habranthus robustus* 'Russell Manning' Bulb. Summer.
0522 Large lavender pink blooms are horizontal and trumpet-shaped on this rainlily. I grow in pots. Zone 7a *Kushner*
- Hal2050** *Halestia carolina* 'UConn Wedding Bells' CAROLINA SILVERBELL Tree. White flowers. Full sun to full shade. 25' tall x 20' wide. Zone 5-8.
1017 White flowers. Selection with larger flowers. Zone 5b *Whitesell*
- Hel0150** *Helentium autumnale* SNEEZEWEED Per. Sun/PtShade. 3-5 x 1½'. Fall.
0200 Yellow/orange flowers. Nice late bloomer. Zone 6 *Creveling*
9985 Germ: SS. We sow ours in fall in and let it winter outside Zone 7a *Jenkins Arboretum*
- Hel0770** *Helentium* 'Sahin's Early Flowerer' SAHIN'S EARLY FLOWERER SNEEZEWEED Per. Full sun. 30"x30". Summer. Zone 3-8.
0065 Orange flowers. Zone 6b *Berger*
- Hel4000** *Heliopsis helianthoides* OX EYE Per. Sun. 3-6 x 2-3'. Midsummer-Fall.
0269 Orange-yellow blooms with darker centers in summer. A 3-6' native aster-family plant for average to dry soil in full sun. Attract butterflies and is suitable for meadow plantings. Germ: CMS 30 days or OW; Maximum germination time 10-20 days. Zone 7 *Ellis*
- Hel5350** *Helleborus foetidus* Per. Sun/PtShade. 2½ x 1½'. Winter-Spring.
9976 A solid perennial, mostly evergreen except in harshest winters here in New York. Slow growing, self-sows moderately. Dotted around our Wild Garden. Deer tolerant. All parts of this plant are poisonous. Germ: Can be slow to germinate. Sow 1/8" deep in well-drained soil outside. Zone 6b *Wave Hill Gardeners*
- Hel5450** *Helleborus foetidus* (Hungarian form) BEARPAW STINKING HELLEBORE Per. Sun/PtShade. 2½ x 1½'. Winter-Spring.
0199 Greenish flowers with a red edge. Characterized by glaucous foliage and longer, narrower leaf segments. Native near Sopron, Hungary. Zone 7 *Cresson*
- 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*
- 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*

- 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*
- 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*
- Hem2450** *Hemerocallis hybrid* HYBRID DAYLILIES Per. Sun. 2-3 x 2'. Summer.
1939 Yellow flowers. Blooms late Spring into Summer. Likes good garden soil. Germ: BH; W; OW; NST. Zone 6b *Urffer*
- Heu1050** *Heuchera americana* 'Dale's Strain' Per. PtShade. 10 x 12"; to 1½' in bloom. Early Summer. Zone 4-9.
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. Germ: SIS, NST, W Zone 6b *Egbertson*
- Heu2800** *Heuchera villosa* HAIRY ALUMROOT Per. Sun/PtShade. 1½ x 1'; to 2' in bloom. Late Summer-Fall.
1918 Creamy-white flowers. Grown for its vaguely maple-leaf shaped leaves. Foamy inflorescences on thin stems rise above the foliage in late summer. Great native for part-shade or sun. Not eaten by deer. Germ: SIS. Zone 6b *Carey*
- Heu2850** *Heuchera villosa* 'Autumn Bride' Per. Sun/PtShade. 1½ x 1'; to 2½' in bloom. Summer.
1607 Zone 7a *Jellinek*
- Heu2900** *Heuchera villosa* 'Purpurea' NATIVE CORAL BELLS Per. PtShade. 1 x 1'. Summer-Fall.
0318 Creamy, off-white flower. Takes drought well. Zone 6b *Garnett*
- Heu4090** *Heucherella* sp. FOAMY BELLS Per. Partial shade. 18" tall. Late spring-early summer. Zone 4-9.
0200 Pink flowers. Lovely woodland self-seeder. Zone 6 *Creveling*
- Hib0300** *Hibiscus cocctneus* SWAMP HIBISCUS, SCARLET MALLOW Per. Sun. 5-10 x 3-4'. Summer-Fall. Zone 6a-9b.
3645 Red blooms. Germ: Scfy, BH, W, NST. Zone 7a *Roskoph*
- Hib0600** *Hibiscus dasycalyx* NECHES RIVER ROSE MALLOW Per. Sun. 6 x 3'. White. Summer. Zone 7-9.
3001 White flower with red eye. Very limited distribution to three small populations in Texas. Deeply dissected leaves and can have dark stems and petioles. Avoid overly dry. A striking plant. Germ: Max. germination time 14 days. W. NST. Zone 7 *Gregg*
- Hib0800** *Hibiscus grandiflorus* SWAMP ROSE-MALLOW Per. Sun. 6-8'x 4-6'. Summer-Fall. Zone 8-11.
9975 Large, showy light pink blooms adorn this herbaceous, shrub-like, perennial. Lovely silver blue foliage. Prefers moist soil though ours has done just fine in an inconsistently moist area. Expect blooms late August – October. Germ: NST Zone 7a *Bartram's Garden*
- Hib1500** *Hibiscus laevis* HALBERD-LEAF ROSE MALLOW 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. Zone 7a *Bartram's Garden*
- Hib2000** *Hibiscus moscheutos* PINK ROSE-MALLOW Per. Sun. 3-7' x 2-4'. Late Summer. Zone 5-9.
9985 Pink or white blooms. Attracts hummingbirds. Germ: Scfy. We winter sow ours, but cold period not required. Zone 7a *Jenkins Arboretum*
- 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. Zone 6b *Berger*

Hieracium - Ilex

- Hie0600** *Hieracium 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*
- Hip1000** *Hippeastrelia* hybrid HIPPEASTRELIA TenBulb. Full sun to part shade. 12". Spring. Zone 7a-10b.
0045 Red flowers. A cross of *Hippeastrum* and *Sprekelia*. Dramatic red flowers on a tender bulb. Zone 6b7a *Bartlett*
- Hos0700** *Hosta* 'Frances Williams' (sport or seedling) Per. PtShade/Shade. 12 x 24". Spring.
0590 White flowers. 18" tall x 36" wide approx. All gold foliage. Same leaf texture as *Frances Williams*. Zone 7a *Mabony*
- 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*
- 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*
- Hyd3600** *Hydrangea quercifolia* OAKLEAF HYDRANGEA Shrub. PtShade. Summer. Zone 5-9.
1918 Creamy-white flowers. Seed collected from an exceptionally large-leaved and large-flowered plant that self-sowed at Northview. At least 6 feet tall. Good fall color. Native. Winter interest exfoliating bark. Seed for birds. Easy and adaptable. Germ: NST. SIS. Zone 6b *Carey*
- Hyd4030** *Hydrangea serrata* (early light blue) Shrub. Sun/PtShade. 4 x 4'. Summer/Fall.
0199 Light blue flowers. Earlier blooming, lighter blue. A much admired color on a well formed, compact plant. Evenly moist soil. This is called ~*H. macrophylla*~ var. ~*megacarpa*~ by Ohwi in *Flora of Japan*. It is the predominant wild form on Hokkaido. (~*H. serrata*~ is considered a variety of ~*H. macrophylla*~ by some botanists.) Zone 7 *Cresson*
- Hyl2000** *Hylotelephium* 'Herbstfreude' AUTUMN JOY STONECROP Per. Full sun. 2'x2'. Fall. Zone 3-9.
1939 Pink flowers. Likes sun and some shade. Germ: BH; BC; NST. Zone 6b *Urffer*
- Hyp1250** *Hypericum frondosum* 'Sunburst' GOLDEN ST. JOHN'S WORT Shrub. Sun/PtShade. 2-4 x 2-4' +. Summer.
2515 Started this from HPS seed three years ago and it finally bloomed! Well worth the wait with stunning yellow flowers. I grow my plant in wetter soil than most plant descriptions state it should be in. Zone 6b *Doblmaier*
- 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*
- Hyp1550** *Hypericum x inodorum* ST. JOHN'S WORT Shrub. Sun/PtShade. 3-5 x 3-5'. Summer-Fall. Zone 6-9.
2937 Flowers are on the small side (¾") and a typical hypericum yellow, but the real attraction are the bright berries which soon follow. The long-lasting berries are commonly used in cut flower arrangements. Zone 6a *Bittmann*
- 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*
- 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*

- Ill1000** *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*
- Ill1950** *Illicium floridanum x mexicanum* ANISE-TREE Shrub. Shade/PtShade. 8-10'. Late Spring-Early Summer.
0199 Red flowers. The advantage of this hybrid is that the *I. mexicanum* parent gives it an almost everblooming habit. Otherwise, it looks like a fine form of *I. floridanum*. Lovely evergreen foliage is deer resistant. Zone 7 *Cresson*
- Ill2000** *Illicium floridanum x mexicanum* 'Woodland Beauty' ANISE-TREE Shrub. Shade/PtShade. 8-10'. Late Spring-Early Summer. Zone 7b-10a.
0522 Purple-red flowers. 6' zone 7 shrub. A cross between *Illicium floridanum* 'Alba' and *I. mexicanum*. Blooms on and off from Spring to Autumn. Flowers are ray-shaped. Source: Rarefind Nursery. Zone 7a *Kushner*
- 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*
- Ind2100** *Indigofera pseudotinctoria* 'Rose Carpet' DWARF FALSE INDIGO Shrub. Sun/PtShade. 1 x 1½'. Summer.
0199 Pink flowers. Unique dwarf form descended from wild collection in Korea and selected by Polly Hill. Rarely seen. Good ground cover. Prune hard early spring. Drought tolerant and long blooming. Zone 7 *Cresson*
- Inu2370** *Inula belentum* ELECAMPANE Per. Sun. 3-6' x 2-3'. Summer. Zone 3-7.
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*
- Inu2550** *Inula magnifica* Per. Sun. 7 x 4'. Summer.
3666 Yellow flower. Magnificent. Zone 5 *McGowan*
- Ion1000** *Ionactis linarifolius* 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.
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*
- Ipo2950** *Ipomoea quamoclit* CYPRESS VINE, STAR GLORY An. Vine. Sun. 6-20'. Summer.
0592 Tiny red trumpet flowers. Delicate foliage mitigates for-reaching ambitions. Really lovely. Beloved of hummingbirds. Volunteers freely - easy to weed. Germ: NST; SIS. 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** *Ipomopsis rubra* STANDING CYPRESS, SCARLET GILIA, SKYROCKET An./Bien. Sun/PtShade. 6" spread; 2-3' in bloom. Spring-Summer.
1244 2-5' tall spikes bloom in July. Bright red flowers, always acts as biennial in my garden. Attracts hummingbirds. Germ: NST Zone 4b *Mitchell*
3645 Bright red flowers. Zone 7a *Roskoph*
- Iri0750** *Iris chrysographes* BLACK IRIS Per. Sun. 18-24".
3645 Dark maroon flowers. Zone 7a *Roskoph*

Iris - Kosteletzkya

- 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 Zone 7a *Kushner*
0965 Orange flowers. Tough, easy perennial for sunny locations in the midsummer garden. Zone 7a *Umphrey*
1181 Spotted orange flowers. 2-3' tall and 1-2' wide. Low maintenance, drought tolerant herbaceous perennial. Sword shaped leaves. Late summer seed pods. Zone 7a *Cyphers*
1228 Spotted orange flowers. Uses: Medicinal and cut flower. Germ: WMS. Zone 7a *Labash*
- Iri1060** *Iris domestica* 'Hello Yellow' YELLOW BLACKBERRY LILY Per. Sun/PtShade. 1 x 1'. Summer.
0522 Lovely, clear yellow flowers. Zone 7a *Kushner*
- Iri1070** *Iris domestica* hybrid
3107 Pale yellow-orange flowers mottled with spots. Zone 6b *Sirbaugh*
- 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. May flowers are lavender with darker veins and yellow/buff petal bases. 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.
0522 Reddish-purple flowers. A dwarf spuria iris. Spring blooming. 12-16" tall. Grass-like leaves. Smells like ripe plums. Good trough plant. Source: Putnam Hill Nursery. Zone 7a *Kushner*
- Iri3300** *Iris pseudacorus* YELLOW FLAG IRIS Per. Sun. 2 x 2'; to 3' in bloom. Spring.
1020 Yellow flowers. Good native for damp areas. Very vigorous. Germ: NST. Zone 7 *Wiedorn*
- Iri6300** *Iris tectorum* JAPANESE ROOF IRIS Per. Sun/PtShade. 12 x 36"; to 18" in bloom. Spring.
0522 Purple blooms in spring. Even when not in bloom, a worthy plant. Strong foliar presence. Zone 7a *Kushner*
- Isa1050** *Isatis tinctoria* DYER'S WOAD Bien./Per. 3-4'. Late Spring.
9968 Yellow flowers. Herbaceous biennial. Likes moist, but well-drained soils in full sun. Achieves best growth in moderately alkaline to neutral soil conditions. Produces large taprooted basal rosettes. Readily self-seeds. Sow seed in Spring or late Summer. Can be a noxious weed. Germ: NST. Zone 7a *Roper/Chanticleer*
- Kal1050** *Kalimeris incisa* BLUE STAR ASTER Per. Sun/PtShade. 2 x 1'. Late Summer-Fall. Zone 5-9.
0239 Lavender blooms through most of summer into early fall. Very dependable and ornamental for a long time! Germ: CMS; BH; BC. Zone 7a *Doering*
- Kei1000** *Ketskeia japonica* var. *bondoensis* Per. PtShade. 24-36 x 18-24". Summer/Fall.
0199 White flowers. Rare Japanese native for lightly shady woodland location. 2-3' tall with clean, green foliage, numerous flower spikes Sept-Oct. Mint family with scented foliage. Zone 5 hardiness. Zone 7 *Cresson*
- Kit1010** *Kitabelia vittifolia* Per./Shrub. 2 x 3'; from 4-5' in bloom. Spring-Summer.
2802 White flowers. Leaves look grape-like or hibiscus-like. Can tolerate tough areas of the garden. Zone 7a *Schenck*
- Koe1000** *Koelreuteria paniculata* GOLDEN RAIN TREE Tree. Sun. 30-40 x 30-40'. Summer.
0045 Pleasant small tree, flowers yellow in summer, decorative with inflated seedpods in autumn. Good tree for a small garden. Germ: WMS: 40 d. Zone 6b7a *Bartlett*
0627 Zone 6b *McShane*
- Kos1250** *Kosteletzkya virginica* VIRGINIA MALLOW, SEASHORE MALLOW Per. Sun. 4-5' x 3'. Late Summer-Fall. Zone 6-9.
0522 Pink flowers. Best planted in groupings, as these are not meant to be specimen plants. Have mine planted in bogs alongside Joe-Pye weeds and pink ~*Asclepias incarnata*~. Germ: NST; BH 7-10d. Zone 7a *Kushner*
2497 2" Pink blooms. Prefers moist soil. Grows well and flowers in deciduous shade. Nice to find a showy pink flower that tolerates shade. East coast native. Germ: OW. Zone 7b *Mackey*

- 9985 Native. Germ: Soak in warm water 2 days then sow. Zone 7a *Jenkins Arboretum*
- Kos1300** *Kosteletzkya virginica* 'ACE Basin' SEA SHORE MALLOW Per. Sun/PtSun. 4-5 x 2'. Summer. Zone 5a-10b.
0032 Pink blooms. Seed from a garden plant whose origins are from the ACE Basin Reserve (named for the converging Ashepoo, Combahee, and Edisto rivers) in SC. Germ: W, BC, NST. Zone 7b *Plant Delights*
- Lab1050** *Lablab purpureus* HYACINTH BEAN An. Vine. Sun. 9'+. Summer-Fall.
1181 Rose-purple, pink and white flowers. 10-20' tall ornamental vine. Blooms summer to frost. Germ: NST. Zone 7a *Cyphers*
- 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 6 *Creveling*
0590 Clean white flowers. Vigorous and floriferous. 9'+. Source HPS 2022. Germ: NST. SIS. Zone 7a *Mahony*
- Lac1300** *Lachenalia reflexa* YELLOW SOLDIER, CAPE COWSLIP TenPer. 8". Summer. Zone 9-11.
0045 Yellow blooms in fall on a small tender South African bulb. Pretty as a group in a pot. There are 100 or more species of Lachenalia. L. reflexa is an easy one to try first. Germ: Sow or grow in grit to keep seed well drained. Zone 6b7a *Bartlett*
- 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.
0522 Pink. I love annual ~Lathyrus odoratus, ~ but it peters out in the heat. This sweetpea never disappoints as it rambles along fences or through spent perennials. Germ: Scfy or soak in tepid water overnight; D; W/C, 14 d; Sow ASAP. Armitage says seeds sown in spring may not bloom until next year. Transplant when seedlings reach 3-5 leaf stage. Zone 7a *Kushner*
2802 Pink flowers. Seed obtained from Barry Yinger's garden. Zone 7a *Schenck*
- Les2300** *Lespedeza thunbergii* 'Edo Shibori' Shrub. Sun. 6 x 5'. Summer.
0522 Bi-colored flowers, pink and white. A stunning bush clover. On arching canes. Full sun. Blooms late summer and early Autumn. Elegant, 5' x 7'. Source: Broken Arrow Nursery. Zone 7a *Kushner*
- Les2500** *Lespedeza thunbergii* 'White Fountain' BUSH CLOVER Shrub. Sun. 3-6'. Summer.
0522 Pure white, pea-shaped flowers. Semiwoody plant reaching 3-6' in growing season with arching blue-green stems. Source: Montrose Nursery. Germ: Scfy or Soak 8-15 min; T; 10-14 d. Soaking in hot water for 8-15 min softens the hard seed coat. Zone 7a *Kushner*
- Leu0500** *Leucanthemella serotina* 'Herbststern' GIANT DAISY Per. Full sun. 5-6' x 2-3'. Late summer-autumn. Zone 5-9.
0065 White flowers. Zone 6b *Berger*
- Leu4010** *Leucosceptrum stellipilum* Per. PtShade. 1½ x 1½'. Fall.
0199 Spikes of lavender flowers in October. Bushy Chinese woodlander. Tolerates dry shade. Zone 7 *Cresson*
- Lev1050** *Levisticum officinale* LOVAGE Per. Sun/PtSun. 3 x 2'; to 6' in bloom. Summer. Zone 4-8.
1918 Yellow-green flowers. Short lived perennial herb. Young leaves have a parsley flavor. Host for swallowtail caterpillars. Tall plant 4-6'. Germ: SIS. Zone 6b *Carey*
3651 Blooms: greenish yellow Upright herbaceous perennial to 7', an overlooked culinary herb of graceful stature, favored for the spicy celery-like flavor of its ternate, bright green leaves. Globose umbels appear in early Summer. Longer lived than many of its kin in the Apiaceae. Good textural and structural presence in a border. Full sun and mesic soil; E. Mediterranean. Germ: Cover 1/4". NST. Zone 6b *Gannon*

Liatris - Lilium

- Lia0500** *Liatris aspera* ROUGH BLAZING STAR Per. Sun. 2-5 x 1½'. Summer-Fall. Zone 3-8.
9968 Purple flowers. Herbaceous perennial. Grows to 2-5' in full to part sun and medium to dry soils. Distinctive among other Liatris for having white bud scales. Germ: CMS; Scfy. Zone 7a Roper/Cbanticleer
9976 Lavender pink, purple bloom. Late summer blooming native, differing from other Liatris species by its rough appearance and rounded, out-flaring involucre bracts. Grows 2-3' tall. Tolerant of poor soils, drought, summer heat and humidity. Germ: Direct sow in Fall. Requires 30 days of moist stratification. Zone 6b Wave Hill Gardeners
- Lia1650** *Liatris microcephala* 'White Sprite' WHITE SPRITE APPALACHIAN BLAZING STAR Per. Sun. 24". Zone 4b-8b.
0032 Forms a 2' tall x 3' wide deciduous mound of radial spikes, each clothed with very narrow green foliage, giving a delightfully airy appearance. Zone 7b Plant Delights
- Lia1830** *Liatris punctata* DOTTED BLAZING STAR Per. Sun. 1-2'. Pink, purple. Late Summer-Fall. Zone 4-9.
3666 Summer blooming dwarf Liatris. Good for the rock garden. Zone 5 McGowan
- Lia1850** *Liatris pycnostachya* PRAIRIE BLAZINGSTAR, KANSAS GAYFEATHER, DENSE-SPIKED BUTTON SNAKEROOT Per. Sun. 5-6'. Summer-Fall.
0032 Purple blooms. Collected from: GH12 NE Collected on: 8/31/18 Zone 7b Plant Delights
9968 Pink/purple flowers. Herbaceous perennial. Found in dry prairies. This highly ornamental Liatris bears many stalkless flowers along its 2-5' stem. Plant in full sun in moist-dry soils. Germ: CMS; Scfy; BC. Zone 7a Roper/Cbanticleer
- Lia2250** *Liatris scariosa* subsp. *nieuwlandii* NIEUWLAND'S BLAZING STAR Per. Sun. 36 x 18". Late Summer-Fall.
0032 Reddish-purple flowers. Franklin Co. Zone 7b Plant Delights
- 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 7a 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
- Lig1300** *Ligularia japonica* Per. PtShade. 4 x 1; from 5-6' in bloom. Summer.
3666 Yellow flower. We grow it for the beautiful large leaves. Needs good moisture. Does well in dense shade. Germ: CMS Zone 5 McGowan
- Lig1340** *Ligularia japonica* 'Chinese Dragon' Per. PtShade. 3 x 4'. Summer. Zone 4-8.
0522 Yellow-orange blooms on nice-clumping, cutleaf variety. Perfect bog plant. Mine bloomed in mid-June on 4' spikes. Source: Plant Delights. Zone 7a Kushner
- Lil1400** *Lilium candidum* MADONNA LILY Bulb. Sun/PtSun. 3-6' x 1. Summer.
0269 White flowers. Showy lily with spikes of fragrant white trumpets in summer. Neutral to alkaline soil. Full sun to part sun. Well drained soil. Germ: W; L; Maximum germination time: 2-4 weeks. Zone 7 Ellis
- Lil1570** *Lilium concolor* GOLDEN CONCOLOR LILY Per. Sun. 1.5-2' Zone 3a-8b.
0032 Source: Shikoku Gardens. Yellow Flower. Zone 7b Plant Delights
- Lil1590** *Lilium dalbansonii* TURK'S CAP LILY, MARTAGON LILY, MOUNTAIN LILY, EUROPEAN WOOD LILY PerBulb. Sun/PtShade. 3-5'. Summer.
0199 Wine red blooms. A tough, long-lived, drought tolerant, and very virus resistant Lily for part sun to shade. A hybrid with L. hansonii which adapts it to our climate. June blooming and dormant by mid-summer. Zone 7 Zone 7 Cresson
- Lil1595** *Lilium dalbansonii* 'Sutton Court' TURK'S CAP LILY, MARTAGON LILY MOUNTAIN LILY, EUROPEAN WOOD LILY PerBulb. Sun/PtShade. 3-5'. Summer.
0199 Orange blooms with wine spots. A tough, long-lived, drought tolerant, and very virus resistant Lily for part sun to shade. A hybrid with L. hansonii which adapts it to our climate. June blooming and dormant by mid-summer. Zone 7 Cresson

- Lil1650** *Lilium duchartrei* MARBLED TURK'S CAP LILY, MARBLED MARTAGON LILY Bulb. Full sun to part shade. 2-4'. Early Summer.
3645 White to pale purple flowers. Zone 7a *Roskopf*
- Lil1700** *Lilium formosanum* FORMOSA LILY, TAIWAN LILY PerBulb. Sun/PtShade. 6-8 x 1½'. Late Summer-Fall. Zone 6+.
0032 Giant form. Germ: BC. Zone 7b *Plant Delights*
- Lil1710** *Lilium formosanum, dwarf form* DWARF FORMOSA LILY Per. Full sun to part shade. 2-3' tall. August. Zone 5-8.
1918 White flowers. Trumpet-shaped flowers in August in a short version of this Taiwanese Lily. Easy from seed. Germ: SIS.
Zone 6b *Carey*
- Lil1950** *Lilium henryi* HENRY'S LILY PerBulb. Sun/PtShade. 2-10' x 8". Summer-Fall.
0199 Yellow-orange. A great long-lived, virus-resistant garden lily. An easier woods lily than *L. martagon*. Zone 7 *Cresson*
- Lil2000** *Lilium hybrid* LILY PerBulb. Sun. 6 x 2'. Summer.
0045 Yellow/red flowers. Yellow interior and a dark red exterior. Germ: Easy. Epigeal immediate germination; NST; Maximum germination time: 90 days. Zone 6b7a *Bartlett*
- Lil3010** *Lilium pardaltnum* TIGER LILY, PANTHER LILY, LEOPARD LILY Per. Full sun-partial shade. 6-8'. late Spring - mid-summer. Zone 5-8.
1715 Orange flowers with black spots and blotches. Germ: Outdoor 1 year - start in Sept., then 40 degrees for 6 weeks; L; SS; Maximum germination time 410 days. Zone 8b *Rosenblum*
- Lob1250** *Lobelia cardinalis* CARDINAL FLOWER Per. Sun/PtShade. 1-3 x 1+'. Summer-Fall.
0239 Red flower spike. Plant does best in moist sunny areas. Germ: BH; BC; NST. Do not allow germinating seed to dry out. Open pollinated. Zone 7a *Doering*
0318 Red flowers. Germ: SIS. Zone 6b *Garnett*
1607 Bright red flowers attract hummingbirds. Prefers sunny, moist conditions, but also does well in my drier garden in part sun. Zone 7a *Jellinek*
3321 Red blooms. Great hummingbird attractor. Zone 6 *Perron*
- Lob1600** *Lobelia inflata* INDIAN TOBACCO An. Full/PtSun. 1-2' x 1'
3397 Inconspicuous native annual. Host to Least Kipper butterfly, wasps, and flies. Readily reseeds. Blue bloom. Germ: SS. CMS 60 days. Zone 6b *Egbertson*
- 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. Zone 6b *Robinson*
1918 Blue flowers. Short-lived native perennial. Upright spikes in mid-summer. Good for rain gardens, wild areas, or borders. Pollinated by long-tongued bees. Germ: NST. SIS. Zone 6b *Carey*
3436 Blue, occasionally white blooms. Germ: SS, SR. Zone 7a *Silberstein*
- Lun0050** *Lunaria annua* MONEY PLANT, HONESTY Bien. Sun/PtShade. 3 x 1'. Spring.
0043 Dark blue/purple or white blooms. This is a biennial. When sides of seed pod are removed and seeds taken it can be used in dried arrangements, Zone 6 *Biderman/Barron*
0522 White flowers. 3' x 1'. Blooms in Spring. Zone 7a *Kushner*
1918 Purple flowers. Lovely biennial for a cottage garden. Honey scent. Good for bees. Germ: SIS. Zone 6b *Carey*
- 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. Zone 7a *Kushner*
- 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. Zone 7a *Kushner*

Lupinus - Manihot

- Lup2500** *Lupinus polyphyllus* LUPINE Per. Sun. 2 x 1'. Summer.
0084 Blue, pink or white flowers. Spiky perennial with mostly lavender-blue blooms in early summer. 2-3' tall. Prefers cool summers and poor soil. Zone 6b *Bowditch*
- Lyc3050** *Lychnis coronaria* ROSE CAMPION, CATCHFLY An./Bien./Short-lived Per. Sun/PtShade. 2-3 x 1-1½'. Summer. Zone 4-8.
1181 White/pink flowers. Low maintenance perennial. Full sun. Summer-blooming. 3' tall. Zone 7a *Cyphers*
2621 Med moisture but tolerates dry. Magenta-rose flowers on 30" wands in early summer. Attractive basal clumps of silver foliage. Germ: Cover lightly, damp, room temp. Zone 6 *Nachlas*
- Lyc3250** *Lychnis coronata* 'Orange Sherbet' Per. Sun/PtSun. 12-18 x 12-15". Late Spring-Midsummer. Zone 5a-9b.
0199 Orange blooms. Clumps of rounded habit, 1 x 1'. Long bloom time since it is reputedly sterile, but did produce this seed. Good early to midsummer bloom display over light green foliage. Unlike many Lychnis, a good perennial. Zone 7 *Cresson*
- Lyc3300** *Lychnis flos-cuculi* RAGGED ROBIN, CUCKOO FLOWER Per. Sun/PtShade. 1-2 x 1-2'. Summer.
0522 Wide, star-shaped, rose pink flowers with deeply cut petals on a herbaceous perennial that blooms May-June. Wild flower garden plant. Source: Chiltern Seeds. Germ: BC, L. Zone 7a *Kushner*
- Lyc3550** *Lychnis* 'Lipstick' MALTESE CROSS Per. Sun/PtSun. 18-24 x 15". Summer. Zone 4-8.
0199 Orange-red flowers above bronzy-purple foliage in early summer. Nearly dormant late summer. Zone 7 *Cresson*
- Lyc9000** *Lycoris chinensis* YELLOW SPIDER LILY Per. Sun. Summer. Zone 5-9.
0522 Golden-yellow flowers. 28" tall Chinese Lycoris. Stunning. August bloomer. Zone 7a *Kushner*
- Lys1000** *Lysimachia atropurpurea* PURPLE LOOSESTRIFE Per. Sun/PtSun. 1½ x 1½'; to 2½' in bloom. May to September. Zone 4-8.
2621 Short-lived perennial. Claret red to dark purple blooms in slender, curving, terminal spikes. Silver green foliage. Med-wet but great drainage. Germ: Long (60-90d), erratic. SS. Damp, warm and/or CMS. Zone 6 *Nachlas*
- Lys1750** *Lysimachia minortensis* 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*
- Mag1400** *Magnolia grandiflora* 'Victoria' SOUTHERN MAGNOLIA Tree. Sun/PtSun. 30 x 25'. Spring. Zone 6a-9b.
0045 White flowers. A smaller, hardy cultivar of *M. grandiflora*. Long bloom period. Evergreen, but not bothered by heavy snow here. Germ: NST. Maximum germination time: 90 d. Zone 6b7a *Bartlett*
- Mag1650** *Magnolia macrophylla* BIG LEAF MAGNOLIA, UMBRELLA TREE Tree. Sun/PtShade. 30 x 30'. Summer. Zone 5-8.
3436 White flowers. Grow in sun/pt. shade. Germ: CMS 60 days; W; NST. Zone 7a *Silberstein*
- Man2100** *Manfreda virginica* AMERICAN AGAVE Per. Sun. 2 x 2-4'; to 6' in bloom. Summer. Zone 6-9.
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** *Manihot 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*

- Mar1350** *Marshallia caespitosa* BARBARA'S BUTTONS Per. Sun/PtShade. 1-1½ x ½-1'. Spring. Zone 5-8.
0239 Bloom color- white with hint of pink. Shade and deer tolerant. Native plant with early summer bloom and low attractive foliage in growing season. Germ: NST. SR. Zone 7a *Doering*
- Mec0050** *Meconopsis cambrica* WELSH POPPY Per. PtShade. 1½ x 1'. Spring-Fall.
0797 Zone 6b *Robinson*
- Mel3050** *Melanthium virginicum* BUNCH FLOWER Per. Sun. 3 x 2'; to 5' in bloom. Summer.
2429 Zone 6 *Bricker*
- 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*
1228 Zone 7a *Labash*
- Mir1400** *Mirabilis jalapa* 'Limelight' FOUR O'CLOCK An./TenPer. Sun. 2'. Summer.
3666 Chartreuse leaves with hot pink flowers. What more can I say? Zone 5 *McGowan*
- Mir1450** *Mirabilis jalapa* 'Orange Crush' FOUR O'CLOCKS Annual. 2'x2'. Full sun. Summer
1017 Pale orange flowers. Wonderful long-blooming annual. Holds up well to heat and drought. Zone 5b *Whitesell*
3666 Orange flowers. Germ: Sow in Spring. Zone 5 *McGowan*
- 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*
- Mon1650** *Monarda* 'Jacob Cline' SCARLET BEEBALM
1228 Hot red flowers. Uses: Medicinal, culinary, edible flowers, cut flowers, and dried flowers. Great plant for pollinators.
Germ: WMS. Zone 7a *Labash*
- Mus0800** *Muscari armeniacum* 'Valerie Finnis' GRAPE HYACINTH Bulb. .5" x .5". Full Sun-Partial Shade. Mid-Spring. Zone 4-8.
0522 Pale lavender blue flowers. Stunning soft color in a Muscari. Mildly fragrant. Zone 7a *Kushner*
- Nan0050** *Nananthus vittatus* Per. Sun/PtSun. 4 x 12". Zone 9b-11b.
0032 Zone 7b *Plant Delights*
- Nic0050** *Nicandra physaloides* SHOO FLY PLANT, APPLE OF PERU An. Sun. 3 x 1'. Summer-Fall.
3132 Blue flowers. Germ: BC in Spring. SIS. Zone 7a *Axel*
- Nic0200** *Nicandra physaloides* 'Splash of Cream' VARIEGATED SHOO FLY PLANT An. Sun. 39" x 12". Summer.
0239 Bloom color- light blue. Germ: NST. BC. Zone 7a *Doering*
- Nic0600** *Nicotiana langsdorffii* FLOWERING TOBACCO An. Sun. 2 x 3'. Summer.
0200 Limegreen flowers on 2', summer-blooming annual. Zone 6 *Creveling*
0797 Lime green/chartreuse flowers born in tall, graceful wands. Self-sows. Germ: BC; SIS. Zone 6b *Robinson*
- Nic0900** *Nicotiana mutabilis* FLOWERING TOBACCO An. Sun/PtShade. 5-6'. Summer.
0239 Great vertical structure with lovely pink flowers. Does self-sow moderately, but actually a pleasant surprise! Germ: NST. Zone 7a *Doering*
- 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 6 *Creveling*
2497 Zone 7b *Mackey*

Nigella - Orlaya

- Nig1050** *Nigella damascena* LOVE-IN-A-MIST An. Sun. 8-12 x 8-12"; 12-18" in bloom. Summer.
0239 Bloom color- white. Self sows freely but pleasantly. Germ: NST. SIS, Zone 7a *Doering*
1918 Blue flowers. Easy, cool season annual that produces stems for cutting and interesting seed pods for dried arrangements. Germ: SIS. Zone 6b *Carey*
- Nig1100** *Nigella damascena* 'Albion Black Pod' LOVE IN A MIST Annual. Full Sun. 1'-2' tall. Summer.
3666 White flowers. Seed pods turn dark maroon. Self sows but not weedy. Zone 5 *McGowan*
- Nig1290** *Nigella damascena* 'Cramers' Plum' LOVE-IN-A-MIST An. Sun. 8-12 x 8-12". Summer.
2621 White flowers in late spring with feathery foliage. Plum-purple, striped pods are great in arrangements. Self sows.
Germ: NST. Direct sow early spring. Zone 6 *Nachlas*
- Nol1190** *Nolina microcarpa* BEARGRASS, SACAUISTA Per. Sun. 6-7 x 4-6'. Early-Midsummer. Zone 5-10.
0032 Plant Sources from Corduroy Creek, AZ Collection Number: KJS 333. Zone 7b *Plant Delights*
- Nys0300** *Nyssa sylvatica* BLACK GUM TREE, TUPELO Tree. Sun/PtShade. 70 x 30'.
0627 Brilliant scarlet autumn foliage. A lovely native tree. Zone 6b *McShane*
- Oen1400** *Oenothera biennis* EVENING PRIMROSE, FOUR O'CLOCK, GERMAN RAMPION Bien. Sun. 5'. Late Spring.
1918 Yellow flowers. This tall biennial native plant has evening-fragrant yellow flowers that attract interesting moths. Seeds are eaten by goldfinches in the fall. Germ: NST. SIS. Zone 6b *Carey*
- Oen2650** *Oenothera stricta* EVENING PRIMROSE Per./Bien. Sun. 3 x 1'. Summer.
0199 Lemon 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. At dusk you can actually watch the flowers open! Zone 7 *Cresson*
- Oen2670** *Oenothera stricta* 'Sulphurea' EVENING PRIMROSE Per. Sun/PtSun. 3'. Summer. Zone 5-9.
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. At dusk you can actually watch the flowers open! Zone 7 *Cresson*
- Oph0500** *Ophtopogon jaburan* 'Vittatus'
0032 Source: Duncan & Davies Zone 7b *Plant Delights*
- Oph1200** *Ophtopogon umbraticola* MONDO GRASS Per. PtSun/Shade. 10". Summer. Zone 5-8.
0032 Zone 7b *Plant Delights*
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 7 *Cresson*
- Orb1050** *Orbexilum pedunculatum* var. *psoralitoides* '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. Zone 7b *Plant Delights*
- Orl1000** *Orlaya grandiflora* WHITE LACEFLOWER, MINOAN LACE An.
0592 White blooms. Basal rosette nicely fine, flowers shed less than Queen Anne's Lace in bouquets. A second sowing adds fall freshness. Deer do like it. Does transplant young. Germ: NST, SIS. Zone 6 *Malocsay*
1918 White flowers. 2-3' tall hardy annuals with lacy white flowers. Does best sown in fall or early Spring for May-June flowering. Germ: SIS. Zone 6b *Carey*
2429 White blooms. Germ: NST. Zone 6 *Bricker*
9968 White umbels with large white exterior flowers. Annual. Blooms in summer and self-sows moderately. Suitable as a cut flower Germ: Direct seed encouraged. If transplanting, chill seed for 1-2 weeks. Seeds should germinate rapidly. If germination does not occur after 3-4 weeks, and addition 1-2 week cooling period is recommended. Zone 7a *Roper/Chanticleer*

- Oxy0200** *Oxypetalum caeruleum*
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*
- Pac3000** *Packera aurea* SENECEO, GOLDEN GROUNDSEL, RAGWORT Per. Sun/PtShade. ½-2½ x ½-1½'. Spring. Zone 3-8.
3397 Zone 3-8, 6" x 6" Native groundcover, blooms well in shady moist areas and self seeds to make nice clumps, may be evergreen in mild spot. Germ: CMS 60 days. Zone 6b *Egbertson*
- Pac3600** *Paeonia obovata* Per. Sun/PtShade. 2-3 x 2-3'. Late Spring. Zone 5-8.
0200 Pink, single flowers. Gorgeous seedpods, can be slow to germinate. Germ: CMS. Zone 6 *Creveling*
- Pac4500** *Paeonia ostii* TREE PEONY Per. Sun/PtShade. 5 x 10'. Spring. Zone 4-8.
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*
- Pac4900** *Paeonia rockii* Per. Sun. 7'. Summer.
1224 Pink flowers. Germ: CMS: 90 days; OW. Zone 5 *Lockhart*
- Pac4990** *Paeonia suffruticosa* TREE PEONY Shrub. Sun/PtShade. 4-5 x 4-5'. Late Spring.
1224 Single pink flowers. Germ: CMS: 90 days; OW. Zone 5 *Lockhart*
- Pac7500** *Paeonia anomala ssp. veitchii* VEITCH'S PEONY Per. Sun. 2 x 2'. Early Summer. Zone 6a-8b.
1224 Pink flowers. Germ: CMS 90 days; OW. Zone 5 *Lockhart*
- Pan0610** *Panicum virgatum* 'Dallas Blues' BLUE SWITCHGRASS PerGrass. Sun. 3-4'. Summer.
2937 A large grass with bluish foliage and pinkish blooms. Low germination rate, but the ones which do sprout also have a nice bluish color. Zone 6a *Bittmann*
- Pap0350** *Papaver atlanticum* MOROCCAN POPPY Per. Sun. 8-12 x 12"; to 2' in bloom. Summer. Zone 5-7.
2621 Papery orange with attractive fuzzy leaves. Tap rooted so difficult to transplant, best direct sow. Tolerates low fertility, heat, and drought. Germ: NST. Best sown direct in early spring. Zone 6 *Nachlas*
- 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*
- Pap2250** *Papaver rhoeas* CORN POPPY, FLANDERS POPPY An. Sun. 2-3 x 1'. Summer.
2621 Bright cheery red. Deadhead to encourage longer bloom. Origin HPS'19. Germ: SIS, RTp; Best Autumn sown. Zone 6 *Nachlas*
- Pap2320** *Papaver rhoeas* (red, burgundy) CORN POPPY, FLANDERS POPPY An. Sun. 12-18 x 12-15". Summer.
0592 Mostly scarlet, some carmine flowers. All gorgeous. Germ: SIS. Self-sowing annual, happy anywhere. Zone 6 *Malocsay*
- Pap2350** *Papaver rufifragum* SPANISH POPPY Per. Sun. 3 x 8"; to 18" in bloom. Summer.
9968 Orange flowers. Papery orange flowers on wirey stems to 18-24" with gray-green foliage. Blooms spring through summer. Full sun, well-drained soil. Will self-sow. Germ: W, BC, SS, SIS. Surface sow seed and cover with fine grit to seeds depth. Zone 7a *Roper/Chanticleer*
- Pap2800** *Papaver somniferum* (all colors) OPIUM POPPY An. Sun. 4 x 1'. Summer.
3666 Pink and salmon flowers. Zone 5 *McGowan*
- Pap3250** *Papaver somniferum* (coral, double) CARNATION POPPY An. Sun. 4 x 1'. Summer.
0318 Deep-coral, double flowers. Germ: L; SS; SIS; Rtp. Zone 6b *Garnett*
- Pap3270** *Papaver somniferum* (coral, single) OPIUM POPPY An. Sun. 4 x 1'. Summer.
0318 Germ: SS; SIS. Zone 6b *Garnett*
- Pap3450** *Papaver somniferum* 'Lauren's Grape' CARNATION POPPY, OPIUM POPPY An. Sun. 2-4 x 1'. Summer.
0084 Grape-purple flowers. Attractive glaucous foliage sets off purple flowers. Annual that reseeds. Germ: SIS. Sow outdoors spring or fall. Zone 6b *Bowditch*

Papaver- Pedimelum

- 0797 Various, pale purple flowers. Germ: BC; SIS early spring. Zone 6b *Robinson*
- Pap3465** *Papaver somniferum* 'Sissinghurst White' POPPY Annual. Full sun. 2'. Summer.
0951 White Opium Poppy! Zone 6b *Tracey*
- Pap3550** *Papaver somniferum* (mixed colors) BREADSEED, OPIUM, CARNATION POPPY An. Sun. 2-4 x 1'. Summer.
0043 Pink and purple mix, double and single. Seeds around. We collect some seeds and throw them out after the last snow
Zone 6 *Biderman/Barron*
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 7a *Doering*
- Pap3750** *Papaver somniferum* (pink, single) An. Sun. 4 x 1'. Summer.
0043 Pinks- Double and single with different shades. Seeds around. We collect some seeds and throw them around after the last snow. Zone 6 *Biderman/Barron*
- Par1960** *x Pardancanda norristii* 'Wine and Yellow Roses' CANDY LILY Per. Sun/PtSun. 3'. Summer. Zone 5-9.
0199 Yellow and magenta pink flowers. Three feet tall, branched stems, flowering in midsummer. I'm intrigued by the color combinations in the candy lily hybrids and the possible variations among seedlings. Zone 7 *Cresson*
- Par2010** *Pardantbopsis dichotoma* VESPER IRIS Per. Sun. 3-4 x 1½-2'. Summer-Early Fall.
0032 Collected on: 8/14/18. Zone 7b *Plant Delights*
- Par4010** *Parthenium integrifolium* WILD QUININE Per. Sun/PtShade. 2-4 x 1-2'. Summer-Fall. Zone 4-8.
0239 Bloom color- white. Self sows moderately. A native plant that attracts many bees and wasps. Germ: NST. Zone 7a *Doering*
3178 White flowers. Germ: CMS 60 days; R; OW. Zone 7a *Standen*
- Pas0500** *Passiflora caerulea* BLUE PASSIONFLOWER Vine. 10'-25'. Full sun-partial shade. Summer. Zone 7-9 (with protection to zone 6).
1939 White flowers. Vine grows 20-35' long. Sun or light shade. Moist, rich soil. Germ: BH: 8 weeks. Germination 30-45 days. OR sow seeds outdoors after all frost. Zone 6b *Urffer*
- Pas1050** *Passiflora incarnata* MAYPOPS, HARDY PASSIONFLOWER Per.Vine. Sun/PtSun. 6-8' x 3-6'. Summer. Zone 5-9.
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*
- Pat1500** *Patrinia monandra* Per. Full sun-partial sun. 4'. Summer. Zone 6.
2429 Zone 6 *Bricker*
9968 Yellow/chartreuse flowers. Biennial, short-lived perennial. Produces umbels of yellow flowers at 3-5'. Persisting seed-heads add long season in interest. Grow in wide range of soils in part-full sun. Will self sow freely. Germ: NST. Zone 7a *Roper/Chanticleer*
- Pat2100** *Patrinia villosa* Per. PtShade. 15 x 12". Summer.
0951 White flowers. Umbels of white flower are very attractive to pollinators. Showy seed heads tinged with pink. Zone 6b *Tracey*
- Pav2000** *Pavonia brasilienis* BRAZILIAN ROCK ROSE Per. Sun/PtSun. 2-3' x 2-3'. Summer. Zone 7a-10b.
0032 Zone 7b *Plant Delights*
- Pav2800** *Pavonia lasiopetala* TEXAS SWAMP MALLOW TenPer. Sun/PtShade. 2 x 2'. Summer.
0032 Pink flowers. Zone 7b *Plant Delights*
- Ped2000** *Pedtomelum piedmontanum* 'Columbia' DIXIE MOUNTAIN BREADROOT Per. Sun. 36". Zone 7b-9b.
0032 A rare North American native baptisia relative. In our garden, each 3' tall x 3' wide clump is adorned in June with hundreds of terminal clusters of tiny lavender flowers, creating a lovely effect, as well as being a feast for native bees and butterflies. Zone 7b *Plant Delights*

- Pen1600** *Penstemon albidus* WHITE PENSTEMON, WHITE BEARDTONGUE Perennial, 8-12", Late Spring, Full Sun
0239 White flowers in early summer. Foliage is a low green rosette all summer. Germ: CMS; 40 days germination time; BC; W; NST. Zone 7a *Doering*
- Pen2500** *Penstemon* 'Dark Towers' BEARD TONGUE Per. Sun. 1½ -3 x 1-2'. Summer. Zone 3-8.
2515 Wine-red stems and wine-red leaves. Flowers are pale pink. Keeps its leaf color all season. Zone 6b *Doblmaier*
- Pen3000** *Penstemon digitalis* FOXGLOVE, BEARD TONGUE Per. Sun/PtShade. 4 x 1½'. Summer.
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*
9985 White blooms. Germ: OW; L, SS; NST; 30 d. Zone 7a *Jenkins Arboretum*
- Pen3050** *Penstemon digitalis* 'Husker Red' FOXGLOVE, BEARD TONGUE Per. Sun/PtShade. 4 x 1'. Summer.
3107 Pink-tinged white flowers. Distinctive dark red-green leaves. Zone 6b *Sirbaugh*
- Pen4800** *Penstemon murrayanus* SCARLET BEARDTONGUE Per. Sun. 8 x 12"; to 3' in bloom. Zone 5-9.
0199 Scarlet red flowers. This drought tolerant native from Louisiana to Texas takes our heat and humidity but requires good drainage. The somewhat lax flower spikes, arising from a small rosette, bear the tubular scarlet flowers among glaucous grey-green perfoliate leaves. A welcome sight in mid-summer. Zone 7 *Cresson*
1244 4-5' x 2' Native to south central US. Only red-flowered Penstemon not from western US or Mexico. Blue-green perfoliate leaves set off orange-red flowers. July blooms attract hummingbirds. Well-drained soil. Germ: CMS Zone 4b *Mitchell*
- Pen5190** *Penstemon Red Rocks*™ RED ROCKS HYBRID BEARDTONGUE Per. Sun. 18 x 15". Summer.
2515 Bright pink flowers. Wonderful addition to the perennial border. Since it is a hybrid, it may not come true from seed. Zone 6b *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. Zone 7a *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 podadenta* 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.
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*
- Per3300** *Persicaria virginiana* 'Lance Corporal' JUMPSEED Per. Sun/PtSun. 2-3 + x 2-4'. Late Summer-Fall. Zone 3-8.
9976 Eye-catching red bloom. Eastern North American native which is an upright, clump-forming, herbaceous perennial bearing ovate bright green leaves, with the cultivar having a prominent, dark red to black, chevron-shaped mark in the center of each leaf. (Cultivar may not come true from seed.) Zone 6b *Wave Hill Gardeners*
- Pet2200** *Petunia exserta* Per. Sun/PtSun. 2 x 2'. Summer. Zone 9b-11.
2515 Red flowers. Zone 6b *Doblmaier*

Peucedanum - Potentilla

- Peu1400** *Peucedanum verticillare* HOG'S FENNEL, MILK PARSLEY Per. Sun/PtSun. 6-10 x 2-3'. Summer.
1918 Greeny-chartreuse flowers. This short-lived perennial umbellifer rises to 8' tall. Easy to grow in a dry garden. Pollinators love it. Germ: SIS; RTp. Zone 6b *Carey*
- 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*
- 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*
- Phl0200** *Phlomis tuberosa* JERUSALEM SAGE Per. Sun/PtSun. 2-4' x 1.5-2'. Summer. Zone 6-9.
1017 Lavender flowers. 30"-36" tall, upright, June blooming. Zone 5b *Whitesell*
- Phl0800** *Phlomis lanata* SMALL JERUSALEM SAGE Shrub. 1-2 x 2'. Sun. Summer. Zone 8-10.
0199 Yellow Flowers. This is a miniature version of *P. fruticosa*, with 1" wooly leaves. Makes an interesting container plant with spring-early summer flowers. Endemic to Crete. Prefers Mediterranean conditions with good drainage. Zone 7 *Cresson*
- Phy0800** *Physostegia virginiana* OBEDIENT PLANT Per. Sun/PtShade. 3 x 2 +'. Late Summer-Fall. Zone 3-9.
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. Germ: CMS 60 days. Zone 6b *Egbertson*
- 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*
- Phy1400** *Phytolacca americana* 'Sunny Side Up' POKEWEED Per. Sun/PtShade. 4-6'. Late Spring-Midsummer.
0032 White blooms with dark purple berries to 7' tall. Zone 7b *Plant Delights*
- Pla2000** *Platycodon grandiflorus* BALLOON FLOWER Per. Sun/PtShade. 2-3' x 1-1.5'. Summer. Zone 3-8.
0318 Blue flowers. Zone 6b *Garnett*
1181 Blue flowers. Full sun to part sun. Summer-blooming. 2'-3' tall perennial Zone 7a *Cyphers*
1607 Purple-blue flowers. Zone 7a *Jellinek*
- Pla2110** *Platycodon grandiflorus* 'Albus' WHITE BALLOON FLOWER Per. Sun/PtShade. 2 x 1'. Summer.
0239 White flowers. Lovely addition to perennial garden. Flower shape gives unusual texture to garden. Germ: SR. L. W. Zone 7a *Doering*
- Pol0250** *Polanisia dodecandra* DWARF CLEOME An. Sun. 2 x 1½'. Summer-Fall.
0797 White flowers. Germ: BC; SIS. Zone 6b *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*
- Pon0000** *Poncirus trifoliata*
0045 White flowers in Spring can be dramatic. Small, odd scented oranges in autumn. Spines on stem to stop anything charging. Germ: NST; CMS: 40+ days.; Sow immediately upon receipt. Zone 6b7a *Bartlett*
- Pos2110** *Podophyllum peltatum* MANY-FLOWERED CHINESE MAYAPPLE Per. PtShade/Shade. 24". Zone 5b-8b.
0032 Picture our native mayapple, *Podophyllum peltatum*, on 2' tall glaucous stems, lessen the indentation of each 13" wide leaf...oh yes, and make the plant a clumper, not a runner. Deer-resistant. Zone 7b *Plant Delights*
- Pot2010** *Potentilla rupestris* CINQUEFOIL Per. Sun. 15 x 15". Spring.
0199 White flowers. Floriferous. Seeds generously, so deadhead plants some. Easy, reliable, and attractive in perennial border or rock garden. The perfect cottage garden plant, as it mingles with its companions. Zone 7 *Cresson*

- Pot2450** *Potentilla thurberi* CINQUEFOIL Per. Sun/PtShade. 1½ x 1'. Spring/Summer.
0199 From the Southern US and Mexico comes this easy, long-blooming perennial with sprays of deep red small flowers. Best in an open sunny location with good drainage. About 18" tall. Zone 7 *Cresson*
- Pro1000** *Proboscidea louisianica* DEVIL'S CLAW, RAM'S HORNS, UNICORN PLANT An. Sun. 1-2 x 3-5'. Summer-Fall.
1228 Zone 7a *Labash*
- Pse2000** *Pseudolarix amabilis* GOLDEN LARCH Tree. Sun. 20-60'. Zone 4-8.
0522 Foliage color is chartreuse/yellow. A tree deserving of good placement to enjoy its elegant structure. Deciduous. Golden needles in the autumn. Mature trees at 60'. Amazing cones. Zone 7a *Kushner*
- Pul1040** *Pulsatilla vulgaris* PASQUE FLOWER Per. Sun. 6 x 12". Spring.
3666 Purple. 12" x 12". Good in very dry soil. Germ: CMS Zone 5 *McGowan*
- Pun1000** *Punica granatum* 'Hardy Russian' POMEGRANATE Shrub. Sun. 6-15'. Late Summer.
0199 Orange blooms. Yes, it is true, a winter hardy pomegranate that will bear edible, tasty fruit in the Delaware Valley that ripens October-November. The bright orange flowers in early to late summer and yellow fall color might be enough for some. One of several hardier forms from the region of southern Russia. Zone 7 *Cresson*
- Pyc1050** *Pycnanthemum muticum* MOUNTAIN MINT Per. Sun. 2½ x 1½'. Summer-Fall.
1228 Pale pinkish green flowers. Uses: Culinary, dried flower, and cut flower. Bees love it. Germ: WMS. Zone 7a *Labash*
- Pyr5000** *Pyrus communis* 'Seckel' SECKEL PEAR SmTree. Sun. 10-15' x 8-12'. Zone 5-8.
1228 Zone 7a *Labash*
- Rat3000** *Ratibida columnifera* MEXICAN HAT, LONG-HEADED CONEFLOWER Per. Sun. 1-3' x 1-1.5'. Summer. Zone 4-9.
2621 Drooping yellow rays around a long brown cone from May-August. Drought tolerant, attractive, easy care. Zone 6 *Nachlas*
- Rat3500** *Ratibida pinnata* GRAY-HEADED CONEFLOWER Per. Sun. 3-5' x 1½-2'. Summer-Fall. Zone 3-8.
3178 Blooms June to August. Attracts Butterflies. Tolerates drought and clay soil. Deer leave mine alone. Germ: 30 CMS. I winter sow. Zone 7a *Standen*
- 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 hystrix* 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*
- Ric1200** *Ricinus communis* 'Carmencita Pink' CASTOR BEAN An. Sun. 6 x 3'. Summer.
2515 Pink flowers. All parts of this plant are poisonous. Leaves are large with a slightly reddish tint. Quite a bold statement in the garden. Germ: BH. Zone 6b *Doblmaier*
- Ric1230** *Ricinus communis* 'Carmencita Red' CASTOR BEAN TenPer. Sun. 6-9'. Summer.
0965 Salmon-red flowers. Burgundy-tinged foliage on tall (6'-9') plants. Loves summer heat. Magnificent! Germ: BH. Zone 7a *Umpfrey*
- Ric1300** *Ricinus communis* 'Impala' CASTOR BEAN An. Sun. 5 x 3'. Summer.
1656 Red/burgundy palm shaped leaves, showy spiky seed pods. Can be directly sown. These are invasive in tropical regions but fine here in Zone 6. They will die down at the first light frost. They are fast growing, from seed to 6 feet tall in a season. The pretty beans are poisonous if ingested!! The poison ricin is made from an extract of these seeds. The plants origins are from Africa or Asia. Zone 6b *Horesb*

Ricinus - Ruta

- 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 6b *Doblmaier*
- Roh1050** *Robdea japonica* NIPPON LILY, SACRED LILY Per. PtShade/Shade. 12-18". Spring. Zone 6-10.
0032 Zone 7b *Plant Delights*
- Ros3250** *Rosa* 'Geranium' (moyesii hybrid) Woody. Sun. 12 x 10'. Summer.
0199 Red flowers. Highly valued for large, bottle-shaped, waxy, red hips in fall. Masses of single red flowers early June. Large fountain-shaped shrub. Grow with a native clematis for summer. Zone 7 *Cresson*
- Ros4850** *Rosa palustris* SWAMP ROSE Shrub. FS. 3-6' x 3-6'. Summer. Zone 4-9.
3397 2' x 3' native rose. Spreads readily by suckers. Blooms early June. Pink single petals with yellow stamens, orange rose hips. Germ: Scfy. Cycle CMS 60 days, 80 deg F 60 days, CMS 60 days. Zone 6b *Egbertson*
- 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. A bulletproof rose. From Isle au Haut, Maine. Germ: CMS: 3-5 mo. Do not let seed dry out. Zone 6a *Streeter*
- Ros6010** *Rosa virginiana* Shrub. 3-6 x 2-3'. Spring-Summer. Zone 3-8.
0269 Zone 7 *Ellis*
- Rud3500** *Rudbeckia laciniata* CONEFLOWER Per. Sun. 2 x 2'; from 4-6' in bloom. Summer-Fall.
9985 Light yellow petals, green disk. Tall plant that may need support when heavy with blooms. Does not seed in as readily as other rudbeckias. Green disk rather than brown. Adapts to a variety of light conditions. Germ: CMS: 30 d, NST. I winter sow this species. Zone 7a *Jenkins Arboretum*
- Rud4050** *Rudbeckia maxima* GIANT CONEFLOWER Per. Sun/PtShade. 6-7' x 2'. Summer. Zone 4-9.
0951 Yellow flowers. Great bold silver-blue foliage. Native to South Central US. Tall stems in midsummer bearing yellow daisies with tall cones. Zone 6b *Tracey*
1224 Yellow flowers. Germ: NST; W. Zone 5 *Lockhart*
9985 Yellow and brown blooms. Large glaucous basal leaves, tall sturdy stems, and extra long conical brown disks in the center of yellow petals. No need to stake or cut back in early summer to avoid flopping plants. Germ: W. NST. We winter sow this species and it does well. Zone 7a *Jenkins Arboretum*
- Rud4900** *Rudbeckia subtomentosa* SWEET CONEFLOWER Per. Sun. 4'. Late Summer/Early Fall.
9985 Yellow and brown blooms. Larger blooms than ~R. triloba~ and the deer leave it alone. Large clumps of basal leaves make a presence even after the blooms are finished in the fall. Can tip in late spring to keep shorter. Germ: CMS: 30 d. I winter sow mine, good germination. Zone 7a *Jenkins Arboretum*
- Rud5100** *Rudbeckia triloba* BLACK-EYED SUSAN, BROWN-EYED SUSAN Bien./Per. Sun/PtShade. 5 x 3'. Summer-Fall.
1224 Yellow flowers. Germ: NST; W. Zone 5 *Lockhart*
1918 Yellow flowers with a brown center. Native, short-lived perennial. Self sows. Left alone by deer. Flowers for months. Seed eaten by birds like goldfinches. Germ: NST. SIS. Zone 6b *Carey*
1939 Yellow flowers. Native plant. Three-lobed basal leaves. Germ: BH: 6-10 days; NST; SIS; SR. Zone 6b *Urffer*
- Rum0010** *Rumex acetosa* SORREL Per. 1.5-2' x 1.5-2'. Full sun. Summer. Zone 3-7.
1228 Zone 7a *Labash*
- Rut1010** *Ruta graveolens* COMMON RUE Per. Sun. 2 x 2'. Summer.
1228 Yellow flowers. Cut flower. Butterflies love it. Popular with potters for the leaf. Germ: WMS. Zone 7a *Labash*
1585 Greenish-yellow flowers. Attractive leaves are many-lobed and dusky blue-green. Plant looks good all season. Seems to prefer lean, sandy soil. Germ: NST; SIS. Zone 5b *Scofield*

- 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.
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. Zone 7b *Plant Delights*
- Sac2000** *Saccharum ravenae* RAVENNA GRASS Per. Sun. 6-12' x 4-6'. Fall. Zone 5-9.
9976 This ornamental grass grows quite tall and erect, a structural statement in the garden. Forms clumps which typically grow 9-12' tall and 4-6' wide. Similar in appearance to the less hardy Pampas grass. Germ: Just cover, needs light to germinate. Zone 6b *Wave Hill Gardeners*
- 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*
9968 White flowers. Grow in full sun. Well-drained soil. Blooms in June. Biennial/short-lived perennial. Germ: W; BC; Maximum germination time: 7-14 days; NST. Zone 7a *Roper/Chanticleer*
- Sal1100** *Salvia coccinea 'Brenthurst'* An. Sun. 20-30 x 12". Summer-Fall.
0522 Peachy pink flowers. Betsy Clebsch observes this will come true from seed if no other ~S. coccinea~ cross pollinates the plants. Wonderful filler plant. Deadheading promotes bloom. Germ: L; W, 10d. Zone 7a *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*
- Sal1150** *Salvia coccinea 'Coral Nymph'* CORAL NYMPH TROPICAL SAGE An. Sun. 3-4 x 1-2'. Summer-Fall.
2515 White with coral lower lip. Great annual that combines well with other flowers. Does well in containers, as well as in the ground. Zone 6b *Doblmaier*
- Sal1380** *Salvia darcyi 'Pscarl'* VERMILLION BLUFFS MEXICAN SAGE Per. Sun/PtSun. 36-40" x 20-30". Fall. Zone 5b-10.
1244 Sticky, fragrant, pale green foliage. Red flowers attract hummingbirds from August until frost. Blooms first year from seed. Dies back in winter. Well-drained soil, full sun. Germ: NST Zone 4b *Mitchell*
- Sal2350** *Salvia guaranitica* ANISE-SCENTED SAGE An./TenPer. Sun/PtShade. 5 x 2'. Summer-Fall.
0318 Deep, strong, true blue flowers. Zone 6b *Garnett*
0522 Brilliant, true-blue flowers. Blooms for months. Zone 7a *Kushner*
- 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. Zone 7b *Plant Delights*
0951 Violet-blue flowers. Balkan Meadow Sage, Nodding Sage. Late Spring bloomer with nodding spires. Zone 6b *Tracey*

Salvia - Scabiosa

- Sal3600** *Salvia roemeriana* CEDAR SAGE Per. Sun/PtSun. 18 x 24". Late Spring. Zone 7-11.
1244 Red flowers bloom in spring. Summer blooms are cleistogamous and don't open. Not hardy for me (zone 4), but easy as an annual. Germ: NST Zone 4b *Mitchell*
- Sal3870** *Salvia patens* 'Patio Sky Blue' Sun.
0084 Pale true blue blooms on a low (12") tender perennial. Excellent in containers. Sun lover. Zone 6b *Bowditch*
- Sal4500** *Salvia sclaria* var. *turkestanica* CLARY SAGE Bien. Sun. 30 x 18"; to 36" in bloom. Spring-Summer.
0199 White/pink flowers. Striking tall spikes of white flowers with pink tinged bracts. Large basal leaves. Should self-sow. Zone 7 *Cresson*
- 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. Zone 7a *Kushner*
- San0770** *Sangutsorba bakusanensis* hybrid KOREAN BURNET Per. Sun/PtSun. 2-3' x 2-3' Zone 4-8.
2137 Deciduous blue-green basal rosette of foliage from which emanates 3' flower stalks of fluffy pink wands starting in mid-summer. Germ: Sow @ 20°C. If seed does not germinate within 3 months, try 4°C for 1-2 months, then 20°C again Zone 6b *Boylan*
- San0800** *Sangutsorba bakusanensis* 'Lilac Squirrel' KOREAN BURNET Per. Sun/PtSun. 1-2' x 1-2'. Zone 4-8.
2137 Deciduous blue-green basal rosette of foliage from which emanates 3' flower stalks of fluffy pink wands starting in mid-summer. Germ: Sow @ 20°C. If seed does not germinate within 3 months, try 4°C for 1-2 months, then 20°C again Zone 6b *Boylan*
- San1400** *Sangutsorba 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*
- San1500** *Sangutsorba* 'Pacific Pewter' Per. Sun/PtSun. Zone 4-8.
2137 Deciduous blue-green basal rosette of foliage from which emanates 3' flower stalks of fluffy pink wands starting in mid-summer. Germ: Sow @ 20°C. If seed does not germinate within 3 months, try 4°C for 1-2 months, then 20°C again. Zone 6b *Boylan*
- San1850** *Sangutsorba tenuifolia* 'Purpurea' Per. Sun/PtShade. 4-6 x 1½'. Fall.
0199 Small, deep maroon bottlebrushes atop tall branched stems are a great companion to late perennials. Zone 7 *Cresson*
- Sap1000** *Saponaria officinalis* SOAPWORT, BOUNCING BET
1585 White flowers, tinged with pink. Open flower heads on angled 18" stalks. Intensely fragrant at night. Leaves produce a gentle lather (useful near an outdoor faucet). Germ: NST. Zone 5b *Scofield*
- 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.
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*
0522 Yellow flowers. Related to Asarum, and Saruma is a play on that name. Splendid addition to the shade garden edge. Felty leaves. When well sited will bloom off and on for months. Zone 7a *Kushner*
- Sau1050** *Sauromatum venosum* VODOO LILY Per/Bulb. PtShade. 2-2.5' x 2-3'. Spring/Summer. Zone 6-10.
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*
- Sca1800** *Scabiosa ochroleuca* DAINTY SCABIOSA Per. Sun. 2½ x 2'. Summer-Fall.
2621 Cream to yellow flowers. 3x3' Dainty wiry stems and flowers profusely in late summer. Sun and fertile soil. Self seeds. Drought tolerant. Cut to 1" in winter. Zone 6 *Nachlas*

- 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*
- Sci1100** *Scilla hyacinthoides* HYACINTH SQUILL Per. Bulb. Full Sun to Part Shade. Spring. 1'-3' tall. Zone 4-8.
9968 Sky blue to pale lavender flowers. Blooms end of May into June. Rosettes appear in late winter adding interest early in the season. Germ: W; BC; Maximum germination time: 30 days; NST. Zone 7a *Roper/Chanticleer*
- Sci2000** *Scilla scilloides* SILLY SQUILL Bulb. Sun/PtShade. 15". Summer. Zone 6a-9b.
9976 Soft pinky-mauve bloom. Rarely seen small bulb which blooms in late summer. Self-sows, but easy to control. Looks best in masses. Grows in our Wild Garden. Germ: Direct sow or just cover in peaty soil. Zone 6b *Wave Hill Gardeners*
- Sci2010** *Scilla scilloides* (early form) CHINESE SCILLA Bulb. Sun/PtShade. 2'. Summer.
0199 Summer dormant until bloom in August. Very hardy. Best in at least part sun. May seed very freely. Zone 7 *Cresson*
- Scu4010** *Scutellaria incana* DOWNY SKULLCAP Per. Sun/PtShade. 2-3 x 2'. Summer-Fall. Zone 5-8.
2621 Best in dryish soil. Small lavender- blue "snapdragons" in close, packed spikes. Silver green leaves. Spreads slowly. Origin HPS'12. Germ: Slow and erratic. Direct in fall or CMS, keep moist. Zone 6 *Nachlas*
- Scu4400** *Scutellaria ovata* HEART-LEAF SKULLCAP Per. 12 -28". Late Spring-Early Summer.
0199 Blue-purple blooms. A pretty plant with blue-green leaves which remain all summer. Can there be a more charming native woodlander? Spreading by rhizomes. Tolerates poor dry soils. Southeastern US. Zone 7 *Cresson*
- Sen1800** *Senna hebecarpa* WILD SENNA Per. Sun/PtShade. 4-6 x 2½'. Summer. Zone 4-8.
0199 Yellow flowers. Branched heads of yellow pea-shaped flowers. Self-sows in my meadow. Tropical appearance. Native. Zone 7 *Cresson*
2515 Yellow flowers and interesting foliage attracted many neighbors to ask what was that plant. Native. Germ: NST. Zone 6b *Doblmaier*
- Sen2010** *Senna marilandica* WILD SENNA Per. Sun/PtShade. 3-6' x 2-3'. Summer-Fall. Zone 4-9.
0797 Yellow flowers. Self-sows gently for me. May need CMS. Zone 6b *Robinson*
- 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*
- Sid4000** *Sideroxylon lycitoides* BUCKTHORN BULLY Shrub/SmTree. Sun. Zone 8a-9a.
1170 Southeastern US native. Deciduous shrub in our area. Edible purplish black fruit in fall is attractive to birds. Good in naturalized area. Prefers moist soil but adaptable. Zone 7 *Henry Foundation*
- Sid4500** *Sideroxylon tenax* TOUGH BULLY Shrub/SmTree. 25-35'. Sun/PtSun. Zone 8a-10b.
1170 Germ: Scarify, followed by stratification for 30-60 days at 40 degrees. Zone 7 *Henry Foundation*
- Sil0050** *Silene armeria* SWEET WILLIAM CATCHFLY, NONE-SO-PRETTY Per. Sun/PtShade. 12-24" in bloom. Summer. Zone 5-8.
0797 Hot pink blooms. Germ: SIS; NST. Self-sows. Zone 6b *Robinson*
2621 Bright rose pink tiny (<1/2") flowers cover the plant mid summer. Med moisture but tolerates dry soil. Bright spots of color that pop up from volunteers. Germ: Can start indoors in winter or sow in situ early spring. Zone 6 *Nachlas*
- Sil1600** *Silene ovata* BLUE RIDGE CATCHFLY Per. Sun/PtSun. 12-60 x 12-20". Summer/Fall. Zone 7-8.
0032 Zone 7b *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*
3645 Red flowers. Zone 7a *Roskoph*
- Sil2550** *Silene suecica* ALPINE CAMPION Per. Sun. 4-5". White, pink, purple. Summer. Zone 2a-8b.
3666 Deep pink. Germ: CMS Zone 5 *McGowan*

Silene - Sporobolus

- Sil2700** *Silene virginica* Per. Sun/PtShade. Spring.
2515 Red flowers. Blooms for me in June. Germ: NST; OW. Zone 6b *Doblmaier*
- Sil4200** *Silphium mobrii* SHAGGY ROSINWEED Perennial. Sun/Pt Sun. 2'-5' x 3'. Late Summer. Zone 5-9.
0199 Yellow flowers. The allure of this plant is the soft lemon-yellow flowers from mid-summer to October on branched stalks above large basal leaves. A respite from the many mustard yellow Autumn daisies. A southeastern US native. Zone 7
Cresson
0951 Soft yellow flowers. Long blooming native. Great seed heads. Zone 6b *Tracey*
- Sil4260** *Silphium perfoliatum* CUP PLANT Per. Sun/PtShade. 8 x 4'. Summer-Fall. Zone 3-9.
0269 Zone 7 *Ellis*
9985 Zone 7a *Jenkins Arboretum*
- Sil4370** *Silphium terebinthinaceum* ROSIN WEED, PRAIRIE DOCK Per. Sun. 1-2'; from 6-8' in bloom.
0032 Zone 7b *Plant Delights*
- Sol0700** *Solanum lycopersicon* '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*
- Sol1250** *Solanum quitoense* NARANJILLA, LULO, SPINY TOMATO TenPer. Sun. 6-8 x 4'. Summer-Fall. Zone 9b-11.
2802 Spiky plant with tomato-like flowers. The flowers turn into orange fuzzy fruit later in the season. Specimen plant.
Zone 7a *Schenck*
- Sol1450** *Solidago bicolor* SILVERROD Per. Sun/PtShade. 1-3'. Summer-Fall. Zone 5a-10a.
0199 White flowers. The only white-flowered goldenrod species. White flowers born in terminal spikes. Easy native. Originally from Eastern Shore of Maryland in dry shade, clay soil on a wood's edge. Zone 7 *Cresson*
- Sol1500** *Solidago caesia* WREATH GOLDENROD Per. PtShade/Shade. 2'. Fall. Zone 4-8.
0199 Yellow flowers. Tolerant of dry shade. A good nonspreading goldenrod for dry shade that looks great in fall with woodland asters Zone 7 *Cresson*
- Sol1600** *Solidago elliotii* Per. Sun/PtSun. 3'. Late Summer.
0199 Yellow flowers. This coastal salt tolerant species holds promise as a garden plant. Clump forming. September bloom. From Polly Hill Arboretum. Zone 7 *Cresson*
- 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. Maximum germination time: 100 days. 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.
0318 Part shade. Will bloom into fall if deadheaded. Native. Seeds in. Requires well drained, but moisture retaining soil. Amend soil with organic matter. Germ: CMS, 2-3 months Zone 6b *Garnett*
- Spo1050** *Sporobolus heterolepis* 'Rhoda' Per.Grass
0032 Zone 7b *Plant Delights*

- Sta3300** *Stachys officinalis* BETONY Per. Sun/PtShade. 12-18 x 12-18"; to 2' in bloom. Summer.
1585 Mix of rose pink, deep purple, and mauve flowers. Blooms for several weeks in summer. Spires to 24" bloom over bright green rosettes. Zone 5b *Scofield*
- Ste1050** *Stewartia pseudocamellia* JAPANESE STEWARTIA Tree. Sun. 20-40+ x 20'. Summer.
0239 White flowers. Germ: OW; seed can take several years to germinate; Rtp. Zone 7a *Doering*
3666 White flower. Packed damp in room temperature should be planted and stored at 30-40 F. Zone 5 *McGowan*
- 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. Germ: Packed damp in room temperature. Should be planted and stored at 30-40 F. Zone 5 *McGowan*
- Sto2000** *Stokesia laevis* STOKES ASTER Per. Sun/PtShade. 1-2' x 1-1.5'. Summer. Zone 5-9.
0269 Zone 7 *Ellis*
- 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 6 *Creveling*
- Sty1050** *Stylophorum lasiocarpum* 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*
- Sty4800** *Styrax americanus* AMERICAN SNOWBELL Shrub. Sun/PtShade. 10 x 10'. Spring.
2429 Zone 6 *Bricker*
- Sty5020** *Styrax japonicus* JAPANESE SNOWBELL Tree. Sun. 25 x 20'. Spring. Zone 5-9.
0522 White. Good specimen tree with fragrant, pendulous blossoms. Interesting structure. Germ: SR. Zone 7a *Kushner*
- Sty5130** *Styrax japonicus* 'Carillon' JAPANESE SNOWBELL Tree. Sun/PtShade. 8-12 x 12'. Summer.
2137 A small weeping Japanese Snowbell with white flowers and prominent yellow anthers. Germ: Use repeated cycles of 20°C, then 4°C for 3 months each. Germination is very prolonged Zone 6b *Boylan*
3436 White, hanging bell-like flowers. Germ: CMS; Seed collected from weeping variety. At least some seedlings will exhibit weeping growth. Needs to be staked to desired height. Zone 7a *Silberstein*
- Sty5150** *Styrax japonicus* 'Emerald Pagoda' Tree. Sun/PtShade. 20-30 x 20-30'. Spring-Early Summer. Zone 5-9.
0522 White flowers. A J. C. Ralston introduction from South Korea. Has larger leaves and flowers than the species. Good article on styraxes in June 2014 issue of the RHS ~The Plantsman~. Zone 7a *Kushner*
- Sty5160** *Styrax japonicus* 'Evening Light' SmTree/Shrub. Sun/PtSun. 6-12' x 4-12'. Zone 5a-9b.
2137 A small Japanese Snowbell with glossy purple foliage. Germ: Use repeated cycles of 20°C, then 4°C for 3 months each. Germination is very prolonged. Zone 6b *Boylan*
- Sty5240** *Styrax japonicus* 'Pink Chimes' Tree. Sun. 20'. Spring.
3436 Light-pink flowers. Germ: CMS; May or may not come true from seed. Zone 7a *Silberstein*
- Sty5300** *Styrax japonicas* var. *fargessii* STYRAX JAPONICUS Tree. Sun. 25 x 20'. Spring. Zone 5-9.
2802 Understory tree. Beautiful white flowers in Spring. Fruit hangs down in late summer. Zone 7a *Schenck*
- Sym0050** *Symphoricarpos orbiculatus* CORALBERRY Shrub. 2'-5' x 4'-8'. Full Sun-Partial Shade. Summer Zone 2-7.
1228 Pinkish-white flowers. Wildlife plant. Zone 7a *Labash*
- Sym0100** *Symphyotrichum* 'Blutenregen' ASTER Per. Sun/PtShade. 18-30 x 24". October. Zone 4-8.
0199 Light blue blooms. Per. Sun/PtShade. 18-30 x 24". October. An explosion of small light blue flowers with pink centers in early fall. A hybrid by famed German horticulturist Karl Foerster involving *A. cordifolia*, *A. ericoides*, and *A. lateriflorus*. Zone 7 *Cresson*
- Sym0610** *Symphyotrichum novae-angliae* NEW ENGLAND ASTER Per. Sun. 3 x 2'. Fall. Zone 4-8.
1918 Pink or purples flowers. This tall, perennial, native, fall-blooming aster is good for late season pollinators, cut flowers, and native plantings. Mixed colors. 6' or more unless Chelsea chopped. Germ: SIS. Zone 6b *Carey*
3178 Adds color to fall garden. Native that supports many pollinators Germ: 60 CMS Zone 7a *Standen*

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*
- Sym0850** *Symphyotrichum sericeum* WESTERN SILVERY ASTER Perennial. Sun/Pt. Sun. 1-2' tall. Fall. Zone 4-8.
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. A new look in asters! Zone 7 *Cresson*
- Sym0900** *Symphyotrichum shortii* SHORT'S ASTER Per. Sun/PtShade. 2-4'. Midsummer-Fall. Zone 3-8.
2429 A woodland aster with bright purple flowers. Zone 6 *Bricker*
- Tag1010** *Tagetes* 'Cinnabar' (Great Dixter Strain) MARIGOLD An. Sun. To 36". Summer.
0592 Rusty red with golden reverse. The cinnabar/gold does predominate, but as the weeks go by sports a number of delightfully eccentric departures reminiscent of used to be called 'Harlequin'. It does get tall but is worth supporting. Great for giveaway bouquets. Like any marigold, it looks best if dead-headed regularly. Germ: NST. Zone 6 *Malocsay*
- Tag1100** *Tagetes linnaeus* 'Burning Embers' MARIGOLD Annual. 2-3'x1.5'. Full sun. Summer-Fall.
1607 Mahogany-red, edged in gold. My plants grown from seed received in last year's seed exchange. Germ: NST. Zone 7a *Jellinek*
3321 Flower is mahogany-red, edged in gold. My plants grown from seed received in last year's seed exchange. Germ: NST. Zone 6 *Perron*
- 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°. Zone 7a *Kushner*
- Tal1250** *Talium paniculatum* JEWELS OF OPAR, FAMEFLOWER An. Sun. 1 x 2'; to 3' in bloom. Summer.
9976 Self-sowing annual; perennial in zone 8 and up. This is the more uncommon green-leaf form/straight species, just as persistent as the gold cultivar when happy. Seed pods are shades of orange, red, brown, gold and gray. Germ: Direct sow in Spring. Just cover in well-drained soil Zone 6b *Wave Hill Gardeners*
- 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. Zone 7a *Kushner*
3436 Pink blooms with little reddish brown fruits. Annual that self sows. Germ: W, SS, NST. Zone 7a *Silberstein*
- Tep1000** *Tepbroxia virginiana* GOAT'S RUE Per. Sun. 1-2'. Summer. Zone 3-9.
0032 Prairie Moon form. Zone 7b *Plant Delights*
- Tha1510** *Thalictrum aquilegifolium* 'Album' MEADOW RUE Per. White flowers. Full sun to partial shade. 2'-3' tall x 2' wide. Zone 5-8.
1017 White flowers. Early, profuse-blooming Meadow Rue. Zone 5b *Whitesell*
- Tha1600** *Thalictrum chelidonti* Per. PtShade. 1-2 x 2'; from 3-7' in bloom. Summer. Zone 5-9.
1181 Lavender flowers. Perennial for sun or part shade. 2 feet tall. Summer bloom. Zone 7a *Cyphers*
- Tha2150** *Thalictrum flavum* subsp. *glaucum* YELLOW MEADOW RUE Per. Sun/PtShade. 3-4 x 2'. Summer. Zone 5-8.
2621 Germ: Plant out in fall: cold, warm, very difficult. Zone 6 *Nachlas*
- Tha3470** *Thalictrum pubescens* KING OF THE MEADOW Per. Shade/PtShade. 3-7 x 2-3'.
1017 Creamy white flowers. Tall sturdy perennial tolerating partial shade. Very elegant plant. Indispensable. Native. Great foliage and flower. Zone 5b *Whitesell*
- Tha3650** *Thalictrum rochebruneanum* LAVENDER MIST, MEADOW RUE Per. Sun/PtShade. 1-2 x 2'; from 3-7' in bloom. Summer. Zone 4-7.
0239 Bloom color- soft lilac. Delicate, tall accent to shade garden. Highly self sows. Germ: NST Zone 7a *Doering*
2497 Light lavender blooms with soft yellow centers. A tall, beautiful, airy perennial with interesting flowers. Zone 7b *Mackey*
2621 Lavender bloom Jul-Sept. Moderate water. Deer tolerant. Zone 6 *Nachlas*

- The2050** *Thermopsis villosa* SOUTHERN LUPINE, CAROLINA LUPINE Per. Sun/PtShade. 4-7 x 2-4'. Late Spring-Summer.
0032 Zone 7b *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. Zone 6b *McShane*
- Tit0050** *Tithonia rotundifolia* MEXICAN SUNFLOWER An. Sun. 4-6 x 1'. Summer-Fall.
0592 Rich orange blooms. RHS "coarse", not a good mixer. SIS after frost gives later, fresher, lesser giants whose leaning towers are very attractive to migrating monarchs. Transplants. Picks beautifully, but do condition. Germ: SIS, NST. Zone 6
Malocsay
0797 Bright orange flowers. A very tall, showy annual. Zone 6b *Robinson*
3178 Germ: I sow indoors under lights, but can be direct sown. Zone 7a *Standen*
- Tra4000** *Trachycarpus fortunei* CHINESE WINDMILL PALM Per./Tree. Sun/PtShade/Shade. 20+ x 12'. Summer.
3436 White flowers. Hardy to 5 degrees. Easy as a juvenile, well-mulched for winter. Fully hardy in zone 8A. Older trunked plants need heavy protection most winters. Water and fertilize when young. Sun/PS. Epsom salts are beneficial. Germ: W;
Max. germination time: 30-60 days; NST. Zone 7a *Silberstein*
- Tri0700** *Trichosanthes kirtlowii* CHINESE CUCUMBER Perennial Vine. Partial sun-Full shade.
3436 White flowers. Vigorous clinging vine that will root if on the ground, producing new plants. Late-starting perennial. Can spread and take over an area. Germ: W. Zone 7a *Silberstein*
- Tri1300** *Tricyrtis dilatata* TOAD LILY Per. PtShade. 3 x 2'. Summer-Fall.
0199 White, spotted purple flower. Although botanists no longer consider this as separate from ~*T. macropoda*~, it is horticulturally distinct in leaf shape and blooms a month earlier in August. Zone 7 *Cresson*
- Tri2000** *Tricyrtis formosana* 'Sinonome' TOAD LILY Per. PtShade/Shade. 40". Fall.
0318 Flowers white with maroon spots. Branched, arched stems. October blooms that are more at terminals and more spreading, upright than ~*T. hirta*~. Zone 6b *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 7a *Doering*
- 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. Zone 6b *Garnett*
- 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. Zone 6b
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*
0239 Basically white flowers with red-purple spots. Flowers upright at end of stems. Germ: NST; BC; W; 2-3 wk. Self-sows in my garden. Zone 7a *Doering*
- Tri8010** *Triteleia laxa* 'Queen Fabiola' TRIPLET LILY, UTHURIELS'S SPEAR Per. Sun. 1-2½'. Spring.
0522 Gentian blue. These bulbs grow best on a sunny, dry bank. Long-lasting funnel-shaped flowers. Leafless stems. Zone 7a
Kushner
- Tro8500** *Tropaeolum majus* 'Moonlight' NASTURTIUM An. Sun.
0084 Pale yellow flowers. Trailing vine. Attracts pollinators. Germ: Soak seed for 12 hours, then sow. Zone 6b *Bowditch*

Tsuga - Vernonia

- Tsu0500** *Tsuga canadensis* CANADIAN HEMLOCK Tree. Shade/PtShade. 40-70' Zone 3-7.
3178 Saved from a large, old, weeping specimen. Germ: Leave for one year before pricking out. I winter sow, cover lightly with sand and have excellent germination. My first batch are only 3 years old so I cannot speak to long term success, but they are wider than they are tall at this point. Zone 7a *Standen*
- Vel4250** *Veltheimia bracteata* TenBulb. Sun. 1½'. Spring.
0045 Pink blooms on a tender South African bulb. The yellow forms are particularly fine. Can be spectacular flowers in March. Easy to grow and dramatic in flower. To 18". Probably zone 8 hardy. Plant will become large and fill a pot. Germ: BH, BC, NST. Easy to grow. Can live many years. Sow on grit. Bulbs should flower in 3-4 years. Zone 6b7a *Bartlett*
- Vel4270** *Veltheimia bracteata yellow form* FOREST LILY TenBulb. Part shade. 2'. Winter. Zone 9-11.
0045 Yellow flowers. Flowering bulb from South Africa. Easy to grow. Germ: Seed should germinate within 3 months. Bulbs form 3rd or 4th year. Zone 6b7a *Bartlett*
- Ver1010** *Verbascum chaixii* NETTLE-LEAVED MULLEIN Per. Sun. 2-3' x 2', 3-4' in bloom. Summer. Zone 5-8.
2185 Yellow bloom. Lovely tall easy plant. Short lived but self-seeds. Needs decent drainage but I grow it from partial shade to full sun. Germ: BC, D, NST. Zone 4b *Wisniewski*
- Ver3100** *Verbena bonariensis* PURPLE VERBENA, BRAZILIAN VERBENA TenPer. Sun/PtShade. 4 x ½'. Summer-Fall.
0318 Zone 6b *Garnett*
1228 Purple flowers. Cut flower. Butterflies like it. Considered invasive in Deep South. Germ: WMS. Zone 7a *Labash*
1918 Purple flowers. This short-lived, borderline hardy perennial is easy from seed. Loved by butterflies and sometimes hummingbirds. Rough stems so not bothered by deer. Germ: NST; SIS. Zone 6b *Carey*
2937 Zone 6a *Bittmann*
- Ver3200** *Verbena hastata* BLUE VERVAIN Per. Sun. 3 x 2'; to 4' in bloom. Summer. Zone 3-8.
0522 Blue-violet flowers. A good erect plant for the wild garden. Multiple stems. Candelabra-like blooms. 2-6' tall. Does best in moist beds. Zone 7a *Kushner*
2185 Likes moist sun, but in cool Vermont does OK in average soil. Statuesque but unflashy, since the flower head blooms in stages, never fully lavender blue at the same time. Underused native. Germ: Needs moist cold for a month, then sow so just slightly covered, needs light. Once established, moderately self sows for me. Zone 4b *Wisniewski*
- Ver3500** *Verbena stricta* Per. Sun. 3 x 2'. Summer-Fall.
0951 Lavender/purple flowers. Loved this for the pollinator garden. Native to Midwest. Vertical spikes of many little flowers. Zone 6b *Tracey*
- Ver4010** *Verbesina alternifolia* WINGSTEM Per. Sun/PtShade. 4-8'x 2-6' . Late Summer-Fall. Zone 4-8.
9975 Clusters of yellow aster-esque flowers bloom mid summer to fall providing high ecological value. Clump forming perennial that prefers full sun to part shade, medium to moist soil. Germ: 30 CMS Zone 7a *Bartram's Garden*
- Ver5480** *Vernonia fasciculata* IRONWEED Per. Sun/PtShade. 3-6 x 2-3'. Mid-Summer.
0199 Reddish purple flowers. Shorter, more compact, and earlier blooming (July) than other ironweeds. Zone 7 *Cresson*
- Ver5650** *Vernonia gigantea* UPLAND IRONWEED Per. Sun. 3-5 x 2-4'; to 8' in bloom. Summer-Fall. Zone 6-8.
0269 Rosy purple blooms. A large, erect native perennial typically 5-8' tall, but can grow to 10'. Cut back stems once or twice in early summer before the end of June to reduce height and encourage branching and more blooms. Showy rounded clusters of rosy purple flowers from late summer to fall. Very attractive to butterflies and pollinators. Partial to full sun; average to moist soil. Good for meadows and informal gardens. Seed collected in Ohio. Germ: SIS, NST. Plants form clumps and spread where happy. Cut off spend flower clusters to prevent self sowing if necessary. Zone 7 *Ellis*
- Ver5670** *Vernonia gigantea ssp. gigantea* 'Jonesboro Giant' JONESBORO GIANT IRONWEED Per. Full sun. 12' x 5'. Summer. Zone 5-9.
2802 Purple flowers. Quite tall, tough Ironweed that brings late season color to the garden. Zone 7a *Schenck*
- Ver6050** *Vernonia noveboracensis* IRONWEED Per. Sun/PtShade. 4-7 x 2-3'. Summer-Fall. Zone 5-8.
9985 Zone 7a *Jenkins Arboretum*

- Ver8560** *Veronicastrum virginicum* 'Album' CULVER'S ROOT Per. Sun/PtSun. 4-7 x 2-4'. Summer. Zone 3-8.
1224 Germ: SS: 50-60 Zone 5 Lockbart
- Vib0150** *Viburnum awabuki* 'Chindo' CHINDO VIBURNUM Shrub. PtShade/Shade. 15-25 x 10-15'. Spring-Summer. Zone 7-9.
0522 White flowers. Superb evergreen shrub that can grow to 12' tall. Deep green lustrous leaves. Fragrant flowers followed by heavy red berries that turn black in the autumn. Good hedge plant. Zone 7a *Kushner*
- Vib1650** *Viburnum dilatatum* 'Michael Dodge' LINDEN VIBURNUM Shrub. Sun/PtShade. 8-10 x 8-10'. Late Spring/Early Summer.
0522 Lovely linden viburnum clusters of showy golden yellow berries. Zone 7a *Kushner*
- Vib2555** *Viburnum rhytidophyllum* LEATHERLEAF VIBURNUM Evergreen Shrub. Full sun-part shade. 6'-10' tall, 6'-10' wide. White flowers in May-June. Zone 5-8.
3436 Sun or Shade. Broadleaf evergreen. Germ: CMS 60 days; W; Maximum germination time: 30-60 days. Zone 7a *Silberstein*
- Vio0500** *Viola corstica* 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*
- Vit1640** *Vitex agnus-castus* CHASTE TREE Shrub. Sun/PtSun. 12 x 12'. Summer.
1228 Blue flowers. Uses: Medicinal and cut flower. Bees and butterflies love it. Germ: WMS. Zone 7a *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 Pale steel-grey flowers. Uses: Medicinal and cut flower. Bees and butterflies like it. Germ: WMS. Zone 7a *Labash*
- Zan3200** *Zanthoxylum simulans* FLATSPINE PRICKLY ASH Shrub/Tree. 10-20 x 8-10'. Summer. Zone 5-9.
0239 White, insignificant flowers. Blooms in July. Red panicles of seed capsules open to show black seeds. Seed originally from Brooklyn Botanic Gardens tree. Spiny bark is quite ornamental. Germ: Scfy, CMS 3 mo, W, BC. Zone 7a *Doering*
- 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*
- 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. Zone 7a *Kushner*
- Zep0750** *Zephyranthes candida* RAIN LILY TenBulb. Zone 7-10.
0522 Pure white with golden stamens. Floriferous if well sited. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 7a *Kushner*
- Zep1200** *Zephyranthes citrina* RAIN LILY TenBulb. Sun. 3-4 x 8; to 6" in bloom. Spring through Fall.
0522 Bright golden yellow rain lily. 6-12". Full sun. Late season bloomer. Good container plant. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 7a *Kushner*
- Zep1400** *Zephyranthes* 'Dark Yellow' RAIN LILY TenBulb. Full sun to part shade. to 10". Summer Zone 7b-10b.
0522 Dark yellow flowers. A new floriferous dark yellow Zephyranthes from Eden Blooms. Darker than Z. citrina. A winner! Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 7a *Kushner*

Zephyranthes - Zephyranthes

- 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. Zone 7a *Kushner*
- Zep2550** *Zephyranthes fostert* 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. Zone 7a *Kushner*
- Zep2580** *Zephyranthes 'Grandjax'* RAIN LILY TenBulb. 8". Full sun to partial shade. Summer. Zone 7b-10b.
0522 Creamy-pink flowers. A cross between Z. 'Ajax' and Z. grandiflora. Vigorous bloomer. Creamy pink flowers with white stars in the center. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 7a *Kushner*
- Zep2860** *Zephyranthes 'Kathryn'* RAIN LILY Bulb. 9". Full sun. Summer. Zone 7b-10b.
0522 Medium pink flowers. Heavily flowering rain lily. A cross between 'El Cielo' and 'Big Dude'. Source: Plant Delights Nursery. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 7a *Kushner*
- Zep2900** *Zephyranthes La Bufa Rose Group 'Apertif'* GIANT PRAIRIE RAIN LILY TenBulb. Sun/PtShade. 6-10 x 4-6". Summer-Fall. Zone 7-10.
0522 Pink and white blooms. Lovely Yucca Do rain lily. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 7a *Kushner*
- Zep2950** *Zephyranthes La Bufa Rose Group 'Heart Throb'* GIANT PRAIRIE RAIN LILY TenBulb. Sun/PtShade. 6-10 x 4-6". Summer-Fall. Zone 7-10.
0522 Deep pink blooms with white eye, fading a bit. A show stopper. 2" flowers on 6" stems. Pot plant. Source: Plant Delights. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 7a *Kushner*
- 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. Zone 7a *Kushner*
- Zep3250** *Zephyranthes macrostiphon* RAIN LILY TenBulb. Sun/PtShade. 6 x 6"; from 7-12" in bloom. Summer.
0522 Deep pink blooms, similar to ~*Zephyranthes grandiflora*~, but a bit smaller. Native to Mexico. 2-3", but 14" in flower. Source: HPS Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 7a *Kushner*
- Zep3500** *Zephyranthes morrisclintii Redneck Romance Strain* RAIN LILY TenBulb. Sun. 12". Spring.
0522 Light pink flowers. A Plant Delights introduction. A cross between Z. lindleyana and Z. drummondii. An early bloomer. Cup-shaped flowers. Good container plant. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 7a *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. Zone 7a *Kushner*

- 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. Zone 7a *Kushner*
- Zep4310** *Zephyranthes* 'Rose Perfection' RAIN LILY TenBulb. Full sun. 12". Summer Zone 7b-11.
0522 Dark pink flowers. Another beauty bred by Fadjar Marta in Indonesia. Floriferous. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 7a *Kushner*
- Zep4540** *Zephyranthes* 'Star of Bethlehem' RAIN LILY TenBulb. 10" tall. Full sun. Summer. Zone 7b-11.
0522 Pumpkin-orange flowers. Outstanding new rain lily. From Indonesia's Fadjar Marta. 3" wide pumpkin-orange flowers with yellow centers and a wide yellow strip down the middle of each petal. Source: Plant Delights Nursery. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 7a *Kushner*
- Zep4600** *Zephyranthes* *Sunset Strain* RAIN LILY TenBulb. 10". Summer-Fall. Repeat Bloomer.
0522 Prolific, pale apricot blooms. Blooms more often than other varieties. Source: Yucca Do. Germ: According to the Pacific Bulb Society water sowing of seeds. Place seed in plastic container filled with cool water, cover with punctured lid or plastic wrap. Once a radical appears, remove and plant in medium. Zone 7a *Kushner*
- Zin2010** *Zinnia peruviana* An. Sun. 2 x 1'. Summer-Fall.
0592 Red flowers. Not a graceful plant (do support). Its modesty and subtle red flowers have made it my favorite Zinnia. Interesting how aging in a vase with the water kept clean transitions through shades hard to name. Nice! Zone 6 *Malocsay*
- Ziz2150** *Zizia aurea* GOLDEN ALEXANDERS Per. Sun. 2-2½'. Spring-Early Summer. Zone 3-8.
3176 Attractive yellow umbels in spring. Woodland native. Has been long lived in dry shade in my garden without spreading. Germ: CMS 60d, OW. Zone 7a *Maber*
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>Acidanthera bicolor</i> Gla0845 <i>Gladiolus murielae</i>	<i>Gladiolus bicolor</i> Gla0845 <i>Gladiolus murielae</i>
<i>Asclepias physocarpa</i> Gom0400 <i>Gomphocarpus physocarpus</i>	<i>Gladiolus callianthus</i> Gla0845 <i>Gladiolus murielae</i>
<i>Aster linariifolius</i> Ion1000 <i>Ionactis linariifolius</i>	<i>Herbertia drummondii</i> Alo1500 <i>Alophia drummondii</i>
<i>Aster novae-angliae</i> Sym0610 <i>Symphytotrichum novae-angliae</i>	<i>Hibiscus palustris</i> Hib2000 <i>Hibiscus moscheutos</i>
<i>Aster oblongifolius</i> 'Fanny' Sym0680 <i>Symphytotrichum oblongifolium</i> 'Fanny'	<i>Iris dichotoma</i> Par2010 <i>Pardanthopsis dichotoma</i>
<i>Aster sericeus</i> Sym0850 <i>Symphytotrichum sericeum</i>	<i>Kosteletzkya pentacarpos</i> Kos1250 <i>Kosteletzkya virginica</i>
<i>Aster shortii</i> Sym0900 <i>Symphytotrichum shortii</i>	<i>Lycopersicon esculentum</i> 'Polish Linguisa' Sol0700 <i>Solanum lycopersicon</i> 'Polish Linguisa'
<i>Barnardia japonica</i> Sci2000 <i>Scilla scilloides</i>	<i>Mina lobata</i> Ipo2350 <i>Ipomoea lobata</i>
<i>Belamcanda chinensis</i> 'Hello Yellow' Iri1060 <i>Iris domestica</i> 'Hello Yellow'	<i>Panicum palmifolium</i> Set2000 <i>Setaria palmifolia</i>
<i>Brodiaea laxa</i> Tri8010 <i>Triteleia laxa</i> 'Queen Fabiola'	<i>Persea littoralis</i> Per1500 <i>Persea borbonia</i>
<i>Calamint</i> Cal0070 <i>Calamintha nepeta</i> subsp. <i>nepeta</i>	<i>Phlomis tuberosa</i> Phl0200 <i>Phlomis tuberosa</i>
<i>Campanula glauca</i> Pla2000 <i>Platycodon grandiflorus</i>	<i>Polygonum virginiana</i> 'Painter's Palette' Per3250 <i>Persicaria virginiana</i> 'Painter's Palette'
<i>Cassia marilandica</i> Sen2010 <i>Senna marilandica</i>	<i>Poncirus trifoliata</i> 'Flying Dragon' Cit1150 <i>Citrus trifoliata</i> 'Flying Dragon'
<i>Cephalaria tartarica</i> Cep1250 <i>Cephalaria gigantea</i>	<i>Psoralea psoraloides</i> 'Nash' Orb1050 <i>Orbexilum pedunculatum</i> var. <i>psoraloides</i> 'Nash'
<i>Cimicifuga simplex</i> (Atropurpurea Group) 'Brunette' Act3100 <i>Actaea simplex</i> Atropurpurea Group 'Brunette'	<i>Rosa moyesii</i> 'Geranium' Ros3250 <i>Rosa</i> 'Geranium' (moyesii hybrid)
<i>Clematis</i> Aztek Cle3450 <i>Clematis</i> 'Helios'	<i>Scabiosa gigantea</i> Cep1250 <i>Cephalaria gigantea</i>
<i>Consolida ambigua</i> Con1100 <i>Consolida ajacis</i> (blue)	<i>Senecio aureus</i> Pac3000 <i>Packera aurea</i>
<i>Consolida ambigua</i> Con1050 <i>Consolida ajacis</i>	<i>Silene flos-cuculi</i> Lyc3300 <i>Lychnis flos-cuculi</i>
<i>Cypselia drummondii</i> Alo1500 <i>Alophia drummondii</i>	<i>Spilanthes oleracea</i> Acm0050 <i>Acmella oleracea</i>
<i>Dolichos lablab</i> Lab1050 <i>Lablab purpureus</i>	<i>Tamala borbonia</i> Per1500 <i>Persea borbonia</i>
<i>Emilia javanica</i> Emi2000 <i>Emilia coccinea</i>	<i>Tamala littoralis</i> Per1500 <i>Persea borbonia</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>Tigridia purpurea</i> Alo1500 <i>Alophia drummondii</i>
<i>Eupatorium rugosum</i> Age0700 <i>Ageratina altissima</i>	<i>Tweedia caerulea</i> Oxy0200 <i>Oxyptalum caeruleum</i>
<i>Eustylis purpurea</i> Alo1500 <i>Alophia drummondii</i>	<i>Zephyranthes</i> 'Labuffarosea' Zep2900 <i>Zephyranthes</i> La Bufa Rose Group 'Apertif'

HPS/MAG Seed Exchange Order Form 2022–2023

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. Only one seed packet of a genus-species combination is allowed. Members who donated five or more types of seed to this year's Exchange, as well as this year's Seed Exchange volunteers, may order 10 bonus packets.

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

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

Wyndmoor, PA, 19038. Payment required is \$25.00 if posted online or mailed. **The postmarked deadline is January 17 and the online seed catalog closes on January 19.** Orders from outside of the U.S. will have to pay for shipping, in addition to the \$25.00, and have a phytosanitary certificate.

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

Dual members of a single household may each place an order; each order requires the \$25.00 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 2022-2023 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.