



MID-ATLANTIC GROUP

# 2019–2020 Seed Exchange Catalog

The 26<sup>th</sup> annual edition of the Seed Exchange Catalog includes 868 seed donations contributed by 54 gardeners, from beginners to professionals. Over 126 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'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](mailto:seedexchange@hardyplant.org).

Susan Doblmaier..... Seed Exchange Chair  
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and Proofreader

## Our Seed Donors

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

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## HOW TO USE THIS CATALOG

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

**Plant Code** *Botanical name.*

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

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

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

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

### Botanical name abbreviations

<b>f.</b>	form
<b>subsp.</b>	subspecies
<b>syn.</b>	synonym, alternate name
<b>var.</b>	variety

### Plant types abbreviations

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

## 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 Plant List (<http://www.theplantlist.org/>) and Royal Horticultural Society Horticultural Database (<http://apps.rhs.org.uk/horticulturaldatabase/>).

Additional resources are the *List of Names of Perennials: International Standard 2005–2010*; the *Encyclopedia of Perennials from the AHS*, edited by Graham Rice; and the *Manual of Annuals, Biennials and Half-Hardy Perennials*, by A. Armitage. A portion of the plants were further referenced in the *American Horticultural Society A–Z Encyclopedia of Garden Plants* (1997, Brickell) and the *Index of Garden Plants* (1994, Griffiths).

### Germination

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

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

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

Park Seed Company; *Success With Seed*.

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

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

### Illustrated Books

We have been asked to recommend some books with good color photos. Many of the plants in this year's Seed Exchange Catalog are illustrated in one or more of the following:

Brickell and Zuk; *The American Horticultural Society A-Z Encyclopedia of Garden Plants*. (1997)

Ferguson; *Right Plant, Right Place*. (2005)

Harper & McGourty; *Perennials: How To Select, Grow & Enjoy*. (1985)

Hay and Syngé; *The Color Dictionary of Flowers and Plants*. (1991)

Kohlein and Menzel; *Color Encyclopedia of Garden Plants and Habitats*. (1994)

Phillips and Rix; *The Random House Book of Perennials*, 2 volumes. (1991)

Tenenbaum, ed.; Taylor's Guides, a series of volumes, including Annuals, Perennials, Bulbs, Groundcovers, and Trees.

- Abe0010** *Abelmoschus esculentus* 'Burgundy' OKRA An. Sun. 4-6 x 2'. Summer.  
**5082** Pale yellow flowers Germ: Scfy: Scarify; nick, chip, or file seed coat Soak: Soak in water overnight BC: Barely cover seed  
 BH: Bottom heat soil, 70-80F. Germination takes 2-12 days. Start plants in doors 4-6 weeks before last frost or direct sow 2-4  
 weeks after last expected frost. Plant 2" apart 1/2" deep in rich soil. Zone 6b *Smith, C*
- Abe0050** *Abelmoschus manihot* ORNAMENTAL OKRA, SUNSET HIBISCUS An. Sun. 6+ x 3'. Summer-Fall.  
**0199** Pale yellow with maroon centers. Evenly moist soil, likes heat. Self-sows. Blooms with asters. Zone 7 *Cresson*  
**0522** Yellow. A back-of-the-border plant. Pale lemony yellow flowers (like tissue paper) with red inside. Best photo and  
 description found in Wayne Winterrowd's ~Annuals for Connoisseurs. ~ Germ: Soak, 1 hr in lukewarm water before  
 sowing; BC; BH, 5-30 d; soaking is essential. *Kushner*  
**2515** Pale yellow bloom, with a maroon eye. Nice looking plant with yellow flowers. Interesting seed heads and leaves on  
 this easy to grow annual. Germ: NST. Zone 6 *Doblmaier*  
**9975** Clear pale yellow Hibiscus type flowers with deep burgundy eyes. A mid - late blooming annual in our region if direct  
 sewn. 5' tall & 3' wide with unique seed pods. Provide a full to mostly sunny location and a well-drained soil for the best  
 results. Germ: D; W; NST; 14 days or less germination time. *Bartram's Garden*
- Ach0150** *Achillea grandifolia* Per. Sun. 3 x 2'. Summer.  
**1939** White Yarrow *Urffer*
- Acm0050** *Acmella oleracea* EYEBALL PLANT, TOOTHACHE PLANT, PARA CRESS TenPer. Sun/PtShade. 12-18 x 12-15". Summer-Fall.  
 Zone 9b-11.  
**0043** Red centered yellow ball. Fun plant that will seed around. Chewing on the leaves will make your mouth numb! Germ:  
 SIS *Biderman/Barron*  
**5082** Perennial in zones 10-11. Annual in zones 2-9. Yellow flowers. Plants are low growing but spread wide-mounding.  
 Chew leaves for numbing effect. Germ: NST: No special treatment Start seeds indoors 6-8 weeks for last frost or direct sow  
 1/4" deep in ground after last frost. Zone 6b *Smith, C*
- Act0900** *Actaea racemosa* BLACK COHOSH, BUGBANE, FAIRY CANDLE, BLACK SNAKEROOT Per. PtShade. 7 x 2'. Summer.  
**0926** White flowers born in wands in July above handsome foliage. Germ: Cycle: WMS 3mo, CMS 3mo. *Streeter*
- Act2000** *Actaea simplex Atropurpurea Group* BUGBANE Per. PtShade. 4 x 4'; from 6-7' in bloom. Fall.  
**0318** Fragrant, white flowers in September. Foliage dark purple. Turns dark green in fall. From plant acquired as 'Hillside  
 Black Beauty'. *Garnett*
- Adl0050** *Adlumia fungosa* CLIMBING FUMITORY, CLIMBING BLEEDING HEART Bien. PtShade. 6-8'. Summer-Fall.  
**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*
- Aes0500** *Aesculus pavia Eco Dwarf Form* RED BUCKEYE Shrub/Tree. Sun/PtShade. 9 x 15'. Early Summer.  
**0199** Red blooms. Nice dwarf form. Clear red blooms early May with dogwoods, azaleas, camassia. Yellow fall color. 9' tall in  
 15 years. Best in part shade. Found in Walker County, NW Georgia by Don Jacobs of Eco Gardens. Zone 7 *Cresson*
- Aga1000** *Agapanthus africanus* AFRICAN LILY Tender bulb. Full sun-partial shade. 1-1/2'-2' tall. Early summer.  
**2621** Blue Flowers, TP, best when pot-bound. Attractive foliage, showy blooms mid through late summer. May not bloom  
 first year. Germ: NST Zone 6 *Nachlas*
- Aga2000** *Agastache 'Astello Indigo'* Per. Sun. 2'. Zone 6-9.  
**1277** Blue-purple blooms. Root beer scent, Very attractive to bees and butterflies. Zone 6a *Haas*
- Aga2600** *Agastache foeniculum* ANISE HYSSOP Per. Sun. 3-5 x 1-2'. Summer.  
**1918** Perennial. Grows 2-4' high. Foliage and pale purple composite flowers are fragrant. Blooms in midsummer to early fall.  
 Full sun-part shade in well-drained soil. Will tolerate dry site once established. Attractive to hummingbirds and bees. Germ:  
 NST. *Carey*  
**3178** Purple flowers. Seeds around. Deer resistant. Germ: CMS 30 days; SS; R; OW. *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 7 *Creveling*

## Agastache - Allium

1999 Lavender flowers. 2003 All American Selection Flower Winner. Grown from seed obtained in the 2018 HPS exchange. Pollinator magnet, visited by bees, butterflies and hummingbirds. Germ: Soak for 24 hours in warm water then sow at 70F for germination in 14 to 21 days. BC. W. Zone 8a *Norfolk Botanical staff*

- Aga3700** *Agastache rupestris* SUNSET HYSSOP, LICORICE MINT Per./Subshrub. Sun. 3 x 3'. Summer-Fall.  
0965 Zone 7a *Umpbrey*
- Aga5450** *Agave x loferox* 'Stairway to Heaven' Per. Sun. 3 x 4-5'. Zone 7-10.  
0032 Parentage: *Agave lophantha* x (*Agave x pseudoferox* 'Logan Cahoun') Germ: BC, SS, NST. *Plant Delights*
- Aga5500** *Agave lophantha* TenPer. Sun. 11-18"  
0032 'Band Aid'. Yellow blooms. Wild collected in Mexico near San Jose at 6,800' elevation. AIM-25. *Plant Delights*
- Agr2000** *Agrimonia gryposepala* Per. Sun/PtShade. 5 x 1'. Summer.  
0239 Great yellow color accent for woodland. Yellow flowers are "fireworks"-like! Germ: BH; BC; NST; 2 wk. May reseed a little in garden. Zone 6 *Doering*
- Alc0050** *Alcea rosea* (all colors) HOLLYHOCK Bien./Per. Sun. 2 x 2'; from 6-8' in bloom. Summer.  
0965 Bright pink flowers. Old fashioned, single flowered biennial. Zone 7a *Umpbrey*
- Alc1900** *Alcea rosea* (pink, single) HOLLYHOCK Bien. Sun. 2 x 2'; from 6-8' in bloom. Summer.  
0926 *Streeter*
- 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. *Scofield*
- All4500** *Allium christophii* STAR OF PERSIA PerBulb. Sun. 1 x 1'; to 18" in bloom. Summer.  
1017 Violet flowers. Easy June-blooming bulb from seed. Large 8-10" stary spherical flowers on 18-24" stems. Zone 5b *Whitesell*
- 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*
- All7510** *Allium senescens* subsp. *montanum* var. *glaucum* PerBulb. Sun. 4 x 8". Summer.  
0199 Pink flowers. August bloom above gray-green glaucous foliage. An easy rock garden plant and strong enough for other uses among low-growing plants. Zone 7 *Cresson*
- All8100** *Allium thunbergii* ORNAMENTAL ONION Bulb. Sun/PtShade. 6-12 x 6-9". Fall. Zone 4-9.  
0199 Deep pink flowers. A clumping onion with bunches of narrow leaves all season, topped with 12" stems with deep pink flowers in Autumn. Zone 7 *Cresson*
- All8170** *Allium togashtii* 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 6 *Doering*  
1020 White flowers. Late bloomer with pleasing seed heads. Culinary and ornamental. Germ: NST; SIS. Zone 7 *Wiedorn*

- Alo0500** *Aloe branddraatenstis* ALOE TenPer. Sun. 4-6" x 12-18". Midwinter. Zone 9b-11.  
1999 Red-orange blooms. Zone 8a *Norfolk Botanical staff*
- Als0500** *Alstroemeria psittacina* PERUVIAN LILY Per. Sun/PtShade. 3 x 1½'. Summer-Fall.  
0592 Muted red/green combination. Quiet beauty for close-up appreciation in place or picked. Hardy for me in Pittsburgh well mulched, out of wind's way. Survives root competition from tree-size pussy willow Germ: NST Zone 6 *Malocsay*
- Aly1200** *Alyssoides utriculata* BLADDERPOD Per. Sun. 18-24". Late Spring/Early Summer.  
2515 Yellow flowers on drought-tolerant, spring-blooming perennial. Interesting seedpods. Germ: W, NST. Zone 6 *Doblmaier*
- Ama1090** *Amaranthus cruentus* 'Hot Biscuits' PRINCE'S FEATHER An. Sun. 4-5'. Summer-Fall.  
2937 Cinnamon orange blooms. 4-6' tall, long blooming. The warm buff orange seed heads look good in the autumn garden. Zone 6a *Bittmann*
- Ama1500** *Amaranthus* 'Hopi Red Dye' An. Sun. 3-4 x 2'. Summer-Fall.  
1918 A tall, 4-6' and up to 8' annual with plume-like deep magenta-red inflorescences. The stems and leaves are similarly colored. Young leaves are good in salads and the seeds are edible too. Full sun. Germ: NST, SIS. Sow directly in spring or fall. *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 7 *Creveling*  
0592 Greenish blooms. Shorter airy likeness to Queen Anne's Lace but quite distinctive. Good for bouquets. Germ: SIS Zone 6 *Malocsay*
- Amo3300** *Amorpha fruticosa* FALSE INDIGO Perennial Shrub. Full Sun. Spring. 4'-12' tall. Zone 4-9.  
1999 Fragrant spikes of dark purple blossoms with striking orange anthers. Larval Host plant for the Silver-spotted Skipper, Epargyreus clarus, and Gray Hairstreak, Strymon melinus. Deer and drought resistant shrub provides nectar for bees, butterflies, moths and beetles. Good for erosion control. Germ: To scarify, soak in hot tap water, let stand in water for 24 hours, repeat process on seed that did not imbibe. CMS for 2 weeks, then sow at 70F; 1 to 3 months germination time; W. Zone 8a *Norfolk Botanical staff*
- Ams0050** *Amsonia hubrichtii* BLUE STAR, ARKANSAS AMSONIA Per. Sun/PtShade. 3 x 3-4'. Spring.  
1999 Pale milk glass blue. Fabulous three-season perennial plant is deer and rabbit resistant. Not fussy about soil and really shines in autumn when the foliage turns butternut yellow. Best used en masse. After blooming plants can be cut back by half to improve appearance. Germ: CMS at 40 for 60 days, then sow at 70. Expect germination in three months. Zone 8a *Norfolk Botanical staff*
- Ams0300** *Amsonia jonesii* JONES BLUESTAR Per. Sun. 6-12". Spring. Zone 4.  
2515 Shorter amsonia that enjoys the same conditions as ~A. hubrichtii~. Paler blue flowers. Zone 6 *Doblmaier*
- Ams1900** *Amsonia tabernaemontana* 'Storm Cloud' BLUE STAR Perennial. Full sun to Partial shade. 2'-3' tall. Spring.  
2515 Blue flowers in the Spring. Great fall color. Stems of plant are nearly black and the leaves have a lighter veining. Germ: OW. Zone 6 *Doblmaier*
- Ang1050** *Angelica gigas* KOREAN ANGELICA Bien./Per. PtShade/Shade. 6-8 x 2-3'. Summer.  
0118 Maroon blooms. Biennial to 5'. This terrific Barry Yinger introduction from Korea and Japan is a stunner. Dramatic, deep maroon, spherical flowerheads emerge from red-flushed, bulbous, leafy sheaths above glossy green, dissected foliage. The afternoon sun intensifies the color and lends this plant another dimension. Please note that insects, especially hornets, also find it irresistible. Sun/partial shade. Germ: CMS: 50 d, Cycle: keep pan at 25-39° for 6-8 wk, the 60° until germination, C, OW, BC. Zone 5a *Stonecrop Gardens*  
0965 Dark red/burgundy blooms. A valuable biennial for dramatic late summer color. Grows 3' tall and takes full sun or part shade. Zone 7a *Umpbrey*
- Ant0050** *Anthemis tinctoria* Per. Sun. 1½-2 x 1-1½'. Spring-Fall.  
0592 Yellow blooms. Adding these bright daisies to my ersatz meadow. Bloom first yr from seed. Zone 6 *Malocsay*

## Anthriscus - Arisaema

- Ant3050** *Anthriscus sylvestris* 'Ravenswing' BLACK COW PARSLEY Bien. Sun. 2½ x 2'. Spring-Summer.  
0065 White blooms. Select dark leaved plants. Germ: OW; NST. *Berger*  
0965 Tall, white flowers on perennial chervil. While the early summer umbels are just the icing on the cake, the plant is primarily grown for its purple-black ferny foliage, complements spring pastels. Excellent in spring. Suffers in summer heat. Germ: SR. Zone 7a *Umpbrey*
- Ant4020** *Antirrhinum hispanicum* Per. Sun. 1 x 1-2'. Spring and Fall. Zone 5a-8b.  
0199 Semi-hardy perennial or annual with mounds of fuzzy gray foliage about a 1 x 1'. Pink flowers with a yellow lip all summer. Sun and good drainage, preferably a loose gritty soil, but adaptable. Remarkably hardy and self sows. Zone 7 *Cresson*
- 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*
- Aqu4000** *Aquilegia* species (individual colors) COLUMBINE Per. Sun/PtShade. 2 x 1'. Spring.  
0318 Blue and white flowers to 2' tall. Will self-sow. *Garnett*  
1277 Blue blooms Zone 6a *Haas*
- Aqu5000** *Aquilegia vulgaris* EUROPEAN COLUMBINE Per. Sun/PtShade. 2 x 1½'. Spring-Summer.  
0199 White, pink, blue, purple flowers. A dependable classic garden plant for May bloom. Zone 7 *Cresson*  
0522 Deep purple blooms in late spring through early summer with gray-green foliage. Source: Niche Gardens. Germ: CMS or SIS. *Kushner*  
0592 Bloom: Long established happenstance mix, short and tall, favoring blues (some with white) & occasional pink or white. Here when I came in 2013, steady ever since. Now that sawfly is a major problem, nice to have volunteers for plenty of pushback. Germ: NST Zone 6 *Malocsay*
- Aqu5300** *Aquilegia vulgaris* 'Hedgeleigh Bicolor' COLUMBINE Bien. PtShade. 25 x 12". Spring.  
0199 Blue with white center flowers on a self-supporting plant. Shorter than the species. A selection of Charles Cresson that breeds true. Zone 7 *Cresson*
- Aqu5905** *Aquilegia vulgaris* (double, pink) COLUMBINE Per. Sun/PtShade. 15 x 18"; to 30" in bloom. Spring.  
0032 Light pink, double flowers. *Plant Delights*
- Aqu5929** *Aquilegia vulgaris* (pink) COLUMBINE Per. Sun/PtShade. 12 x 12"; to 2' in bloom. Late Spring-Early Summer.  
0199 Pink flowers. I think this is a particularly attractive shade of old rose pink. Zone 7 *Cresson*  
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. *Kushner*
- Arc1600** *Arctotis fastuosa* CAPE DAISY An. Sun. 12x18" Summer  
0592 White with complex inner band; occasionally yellow. Striking bloom, lovely grey-white pubescent foliage. Good soil on the dry side. I find it well worth the space/caution required by its sprawl. Conditioned, picks well. Closes when overcast/night. Germ: SIS after frost. BC. Zone 6 *Malocsay*
- 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; SIS; Surface sow in situ and press into ground. Zone 7a *Roper*
- Ari0600** *Arisaema dracontium* GREEN DRAGON, AMERICAN WAKE-ROBIN, DEVIL'S PULPIT Per. Sun/PtShade. 1-3 x 1-1½'. Summer. 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*

- Ari2010** *Arisaema flavum* Per. PtShade. 18". Summer.  
3321 Pale yellow flowers. Cute, smaller Arisaema, good for rock gardens. Germ: Soak for 7 days; SS; W; SR; Best in moist well drained compost dressed with grit in sealed container with clear top. Zone 6 *Perron*
- Ari2500** *Arisaema heterophyllum* COBRA LILY Per. PtShade. 2-3½ x 1'. Spring.  
0199 One of the easiest species to grow. Leaves divided into more than a dozen narrow segments. Typical jack-in-the-pulpit flower. Red fruit along with yellow fall foliage. Zone 7 *Cresson*  
2429 An easy, taller jack-in-the-pulpit with the flower held above the horseshoe-shaped leaf. Zone 6 *Bricker*
- 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*
- Ari4040** *Arisaema triphyllum* Per. Shade. Spring.  
3321 Green/purple flowers, red berries. Germ: Soak in water for 7 days; SS; 30-60 days to germination; W; SR; Best in moist well drained compost dressed with grit in sealed container with clear top. Arisaema seeds decline rapidly after a year if not refrigerated in storage. Zone 6 *Perron*
- 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*
- Art2650** *Artemisia lactiflora* WHITE MUGWORT Per. Sun. 4-5'. Late Summer/Early Fall. Zone 3-8.  
0199 In August, the white, plummy flowers are most welcome. Finely cut foliage is green. Zone 7 *Cresson*
- Aru3010** *Aruncus aethusifolius* DWARF GOAT'S BEARD, KOREAN GOAT'S BEARD Per. Sun/PtShade. 6 x 10". Summer.  
0318 *Garnett*  
3666 White flowers. Nice foliage, very hardy and trouble free. Germ: CMS. Zone 5 *McGowan*
- Asc2500** *Asclepias incarnata* SWAMP MILKWEED Per. Sun. 4 x 2'. Summer.  
0507 White form. Monarch food. Zone 7 *Kolo*
- Asc3700** *Asclepias syriaca* COMMON MILKWEED Per. 2-4'.  
2937 Zone 6a *Bittmann*  
5082 White blooms. Germ: SR. Zone 6b *Smith, C*
- Asc4010** *Asclepias tuberosa* MILKWEED, BUTTERFLY WEED Per. Sun. 2-3 x 1-2'. Summer-Fall.  
0001 Orange flowers *Anonymous*  
0507 Flowers are a wonderful true orange. Zone 7 *Kolo*  
1607 Orange flower color. Germ: CMS at least 30 days. Zone 7a *Jellinek*  
1999 Screaming orange. Native, drought tolerant, tap-rooted perennial wildflower is a caterpillar host plant for the Monarch butterfly (*Danaus plexippus*). Consorts well with Callirhoe. Germ: CMS at 40 for 60 days, then sow at 70. Expect germination in 3 weeks. BC. W. RTP: Resents transplanting. Best success is achieved by using a soil mix that has over 50% perlite and using tall pots to accommodate the tap root. Zone 8a *Norfolk Botanical staff*  
3178 Orange flowers. Germ: CMS 30 days; R; OW. *Standen*  
5082 Orange/yellow flowers Germ: Can sow seeds outdoors in fall or start indoors. Scatter seeds evenly over surface and press into soil. Cover them lightly with 1/4" of soil and moisten surface. Place inside plastic bag and refrigerate for 6 weeks. Then move seeds to area with a steady temp of 70-75 degrees. Leave in bag until seedlings emerge. Zone 6b *Smith, C*
- Asi1050** *Asimina triloba* PAWPAW TREE Shrub/Tree. Sun/PtShade. 20 x 20'. Spring.  
2429 Maroon flowers. Small, native tree with edible fruit, tropical foliage. Germ: CMS: 90 d. Long taproot. Seedlings emerge mid- to late summer. Zone 6 *Bricker*  
3436 Reddish-brown blooms. About 7 yr from seed to flowering. Seeds from large-fruited trees. Need 2 trees for good fruit set. Thrives in part shade and moist soil. Small tree that will sucker with maturity. Mature trees/suckers difficult to move. Animal resistant, except for the fruit. Shake nearly ripe fruits from tree and they will usually ripen on counter. Germ: CMS: 60 d, 40 d. Leaves have strong scent when bruised. Fruit ripe when soft. Black means over-ripe. Zone 7a *Silberstein*

## Asparagus - Baptisia

- Asp0250** *Asparagus schobertoides* Per. Sun. 1-3 x 2'. Summer.  
0199 White flowers on a fine textured perennial to 2' tall with yellow fall color and small red fruit on female plants. My plant originated from wild collected seed in Korea by Morris Arboretum in 1984. Zone 7 *Cresson*
- Asp0550** *Asphodeline lutea* 'Italian Gold' KING'S SPEAR Per. Sun. 3-4 x 1-2'. Spring. Zone 6-9.  
0032 Yellow blooms. Germ: W, BC, NST. *Plant Delights*
- Ast0300** *Aster ageratoides* JAPANESE ASTER Per. Sun/PtShade. 18 x 24". Fall.  
0199 White blooms. This Japanese aster has been going around American nurseries under wrong name of ~Gymnaster savatieri~ (an early summer bloomer) for some years, but this is its true ID! Masses of moderate size white daisies Sept-Nov over clean, disease-free, dark green foliage. Long-lasting cut flower!! Spreading by rhizomes, so you could have lots to cut. Zone 7 *Cresson*
- Ast1350** *Aster divaricatus* WHITE WOOD ASTER Perennial. Pt. Sun/Shade. 2' tall. Late Summer.  
0199 White flowers. Reliable woodland aster for dry shade. Native. Zone 7 *Cresson*
- Ast1450** *Aster drummondii* Per. Sun/PtShade. 5'. Fall.  
0199 Pale lavender flowers. Branched, dense racemes of numerous, small pale lavender to near white daisies in October. Quite showy and rare. Native. Zone 7 *Cresson*
- Ast2650** *Aster lateriflorus* Per. Sun/PtSun/PtShade. 2-4 x 4'. Fall.  
0199 White. A blizzard of tiny white daisies in October. Local native for dry shade, but will grow anywhere. A clumper. Can be cut back in midsummer to make plants shorter. Self-sows freely. Zone 7 *Cresson*  
2429 Zone 6 *Bricker*
- Ast3000** *Aster lnartifolius* Per. Sun/PtShade. 2 x 1'. Late Fall.  
0199 Blue. Good drainage, even sandy. Drought tolerant. Excellent for planting in wall to cascade out. Pinch midsummer for branching. Many narrow leaves along stem. Zone 7 *Cresson*
- Ast4470** *Aster oblongifolius* '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*
- Ast4870** *Aster sericeus* WESTERN SILVERY ASTER Perennial. Sun/Pt. Sun. 1'-2' tall. Fall.  
0199 Violet purple flowers. This perennial with silvery-grey foliage comes from central North America. Provide dryish well-drained soil and do not crowd with other plants. Zone 7 *Cresson*
- Ast5700** *Astilbe chinensis* var. *pumila* CHINESE ASTILBE Per. PtShade/Shade. 9-30 x 9-12". Summer.  
0318 Lavender flowers in July-August. Prefer moist shade. *Garnett*
- Ast5900** *Astilbe* species Per. Sun/PtShade. 2 x 4'. Summer.  
1277 Mixed flowers, 2' tall. Prefers shade. Germ: CMS 90d. Zone 6a *Haas*
- Ast6100** *Astilbe thunbergii* var. *okuyamae* Per. PtShade/Shade. 12-18 x 18; to 2' in bloom. Summer.  
0199 White flowers. Rare Japanese native with unique light green, quilted foliage on darker petioles. Unique and a personal favorite! Virtually nonexistent in western gardens. My source imported it in the 1980s but lost it years ago. Zone 7 *Cresson*
- Bac1050** *Baccharis halimifolia* GROUNDSEL BUSH, HIGHTIDE BUSH Shrub. Sun. 5-12 x 5-12'. Fall.  
0199 White blooms. A woody shrub in the daisy family with heads of fluffy white flowers in late summer. Takes poor soils in sun to part sun. To 10' or treat as cut back shrub. Zone 7 *Cresson*
- Bap0050** *Baptisia alba* WHITE FALSE INDIGO Per. Sun. 3-4 x 2-3'. Late Spring-Summer.  
2515 White flowers. Smaller than the newer *Baptisia australis* cultivars. Loves dry conditions. Germ: Slow to grow from seed. Zone 6 *Doblmaier*
- Bap1050** *Baptisia australis* BLUE FALSE INDIGO, PLAINS FALSE INDIGO Per. Sun. 3-5 x 2-4'. Early Summer. Zone 3-9.  
0200 Blue. Shrub-sized plant with blue-green foliage. Blue-black seedpods follow flowers. Zone 7 *Creveling*  
1020 Blue flowers with interesting seedpods. Long-lived plant. Resents transplanting. Germ: NST. Zone 7 *Wiedorn*  
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. *Scofield*



- Bap1250** *Baptisia australis* var. *minor* BLUE FALSE INDIGO Per. Sun. 24 x 30". Spring-Summer.  
0199 Blue flowers. Similar to the species but small growing with larger flowers. Zone 7 *Cresson*  
1999 Spires of purple lupine-like flowers. Fabulous dwarf native perennial grows 3 feet tall and has blue-green, pea-like foliage followed by spikes of lavender-purple flowers in spring. Flowers attract butterflies, hummingbirds, and bees. Long-lived plant is tap-rooted so resents disturbance. Tolerant of drought and salt-spray. Host plant for many butterflies including the Wild Indigo Duskywing, Eastern Tailed- Blue, Orange Sulphur, Clouded Sulphur, Frosted Elfin, and Hoary Edge. Takes time to establish but worth the wait. Hardy in Zones 4–9. The inflated, charcoal-black seed pods are an interesting addition to flower arrangements. Germ: CMS. First scarify by pouring boiling water over seeds. Soak overnight. Repeat process for any seeds that have not imbibed water. After scarification, CMS for 30 days at 40°. Germination commences when seeds are returned to 70°. RTP: Resents transplanting. Can be sown in situ in fall for germination the following spring Zone 8a  
*Norfolk Botanical staff*
- Bee1000** *Beesia deltophylla* BEESIA Per. Shade/pt shade. 1.5 x 2'. Mid to late spring. Zone 7.  
0522 White. Tibetan evergreen groundcover for part to full shade. Lovely heart-shaped, glossy, deep green leaves. Flowers on 12" stalks in mid to late spring. *Kushner*
- Beg0200** *Begonia boltviensts* TenPer. Sun/PtSun. 20 x 24". Summer-Fall. Zone 9a-11.  
1277 Grow outside in summer and use as houseplant in winter. Likes good drainage. Cascading habit. Orange flowers. Zone 6a *Haas*
- Beg1050** *Begonia grandis* subsp. *evanstiana* HARDY BEGONIA Per. PtShade/Shade. 2 x 1½'. Late Summer-Fall.  
0239 Soft pink flowers. Lovely late, long-flowering, shade-loving begonia that spreads around a little. A very welcome addition to any shade garden. Germ: W; BC; SIS; NST; 12 d. Store dry and sow seeds at 70°F. Seeds germinate in 10-12 d. Can be sown in situ. Zone 6 *Doering*  
0318 Pink flowers in September with interesting hanging, winged seed capsule. Wonderful filler, which seeds around prolifically, but provides color in early fall, when most everything else is fading. Deer do like it. *Garnett*
- Beg1100** *Begonia grandis* subsp. *evanstiana* 'Heron's Pirouette' HERON'S PIROUETTE HARDY BEGONIA Per. PtShade/Shade. 15". Late Summer-Fall. Zone 5-9.  
1607 Pink flowers. Masses of deep pink, nearly 12"-long flower clusters, followed by warm pink seed heads. Prefers well-drained soil and bright shade. Zone 7a *Jellinek*
- Beg2500** *Begonia sutherlandii* TUBEROUS BEGONIA TenPer. PtShade. 1 x 1½'. Summer.  
0522 Clear orange. Splendid pot plant. Good light orange flowers. Overwinter in pot. Slow starter but worth the wait. Germ: L; BH. *Kushner*  
0592 Small light orange blooms with gold anthers. Slow from bulbils (formed in leaf axils) but steady on from there. Graceful spilling from pot. Germ: NST Zone 6 *Malocsay*  
0965 Orange flowers. These are bulbils that form on the mature plant. From one single bulbil, a large plant can grow in one season. Pot up with bulbil just covered, then keep warm and moist until growth starts. Combined with a donation from Annetta Kushner, who offered the plant last year. Zone 7a *Umpbrey*
- Ber1975** *Berlandiera pumila* 'Chocololic' SOFT GREEN EYE CHOCOLATE FLOWER Per. Sun. 36". Spring-Fall Zone 7-9.  
0032 2" yellow daisy flowers emit a chocolate fragrance- especially in the morning. A seed strain from Lee Co. Texas. *Plant Delights*
- Bes0030** *Beschorneria decosteriana* x *B. septentrionalis*  
0032 *Plant Delights*
- Bes0050** *Bessera elegans* TenBulb. Sun. 18"-24" in bloom. Summer. Zone 8.  
0199 Red flowers. Clusters of pendant scarlet red flowers atop wirey stems in late summer. Skinny leaves. This summer-growing Mexican native is heat tolerant and a joy in bloom. Overwinter the pot dry indoors and forget about it until warm weather in spring! Zone 7 *Cresson*
- Bid0300** *Bidens aristosa* TICKSEED SUNFLOWER An. Sun. 1-4'. Late Summer.  
1277 Yellow flowers. I spread the seeds where I want them in late winter. Will self-sow. Wonderful wild garden background plant. Prefers wet soil, but grows anywhere. Can be cut back to keep plants shorter. Zone 6a *Haas*

## Bletilla - Callicarpa

- Ble2400** *Bletilla ochracea* 'Rickey' CHINESE GROUND ORCHID Per. PtSun/PtShade. 12-18". Spring.  
0199 Yellow flowers with petal reverse brushed with red. Smaller flowers and stature than ~*B. striata*~. This has been hardy for several years for me. From Xichang Mountains, China. Bletilla are the easiest orchid to grow from seed. Germ: Cycle. Zone 7 *Cresson*
- Ble2500** *Bletilla striata* HARDY ORCHID Per. PtShade. 8-12". Spring.  
0199 Pinkish-purple blooms. The easiest garden orchid and the easiest orchid from seed. I find it drought tolerant even with morning sun. Germ: W, L. Sow seed on chopped sphagnum, sterilized in boiling water. Set pot in saucer of water. Zone 7 *Cresson*
- Boe0100** *Boehmeria platanifolia* SYCAMORE LEAVED FALSE NETTLE Per. Sun/PtShade. 5'. Zone 5-9.  
1999 Insignificant white flowers. A tall (to 5 feet), deciduous perennial plant with bold, architectural foliage lends a tropical flair to the shady garden. Caterpillar host plant for the Red Admiral (*Vanessa atalanta*), Question Mark (*Polygonia interrogationis*) and Comma (*Polygonia c-album*) butterflies. Perfect plant for folks who want to raise butterflies in shady areas. Grown from seed Boe0100 obtained from HPS 2018 exchange. Germ: BC, W, NST. Zone 8a *Norfolk Botanical staff*  
2137 White flowers. *Boehmeria platanifolia* makes a 5' tall x 4' wide texturally enchanting clump of upright stems, clothed with fascinatingly bold, deeply-incised green leaves, each attached to the stem by a bright red petiole. The top of the stems are adorned in late summer with floral stalks that look like limp pipe cleaners.. Germ: BC: Barely cover seed. Maximum germination time (in days): 3 months. W: Room temperature, 65-70F. NST: No special treatment. Zone 6b *Boylan*
- Boe0150** *Boehmeria sieboldiana* SIEBOLD'S FALSE NETTLE Per. Sun/PtShade. 3-5'. Midsummer. Zone 7-10.  
3001 Asian herbaceous perennial, relative to our stinging nettle, though this one doesn't sting. To 5-6'. Nice texture in the shade garden. Can take sun. Part shade to shade gives dark green leaves. Hardier than the zone 7 usually given to it. Will self-seed, but not aggressively so. Germ: NST. Zone 7 *Gregg*
- Bol1500** *Boltonia asteroides* 'Snowbank' Per. Sun. 3-4 x 3'. Summer-Fall.  
0239 White flowers. Cultivar probably doesn't come true from seed, but seedlings may be nice anyway. A wonderful addition to the garden for late flowers. Easy to grow. Germ: Soak 1 d, W; BC; NST; 10 d. Zone 6 *Doering*
- Bro1050** *Browallia americana* JAMAICAN FORGET-ME-NOT, BUSH VIOLET An. Sun/PtShade. 2 x 2'. Late Summer-Fall.  
0239 Blue flowers. Lovely color. A weaver type of annual for garden. Germ: NST; W; SIS. Zone 6 *Doering*  
0318 Blue flowers. Self-sows. Germ: NST; W; SIS. *Garnett*
- 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*
- Cac0035** *Cacalia hastata tanakae* Per. PtShade. 6'. Late Summer/Fall.  
2137 White blooms. Strong, erect stems reach 4-6' tall in bloom. Small, soft white, bottlebrush flowers bloom mid-season. Gorgeous variegated foliage! Germ: W, BC, NST. Zone 6b *Boylan*
- Cal2150** *Callicarpa acuminata* BLACK BEAUTYBERRY, MEXICAN BEAUTYBERRY Shrub. Sun/Light Shade. 6-8 x 6-8'. Fall berries. Zone 8-10. Possibly 7 with winter mulch..  
0032 White flowers followed by dark purple (or sometimes white) fruit. Native to Latin America. *Plant Delights*
- Cal2450** *Callicarpa dichotoma* BEAUTYBERRY Shrub. Sun/PtShade. 4-5 x 4-5'. Summer.  
0045 Purple, insignificant blooms. Grown for large crop of purple berries in August-October that persist along the stems until birds or cold drop them. Small purple axillary flowers. The easiest and hardest of the beautyberries. Best in background of garden. Germ: NST. Zone 6b7a *Bartlett*
- Cal2500** *Callicarpa dichotoma* f. *albifructa* WHITE BEAUTYBERRY Shrub. Sun/PtShade. 5 x 5'. Summer.  
0045 White blooms. Attraction is crop of white berries, down to the ground, in August-October. Fast growing. Put in the background for seasonal effect. Germ: NST. Zone 6b7a *Bartlett*
- Cal2550** *Callicarpa dichotoma* 'Issai' BEAUTYBERRY Shrub. Sun/PtShade. 4-5 x 4-5'. Summer.  
1277 Pale pink flowers. Zone 6a *Haas*

- Cal4110** *Caltha palustris* var. *major* GIANT MARSH MARIGOLD, KING CUP Per. PtSun/PtShade. 2½ x 4'.  
0199 Yellow blooms. Formerly ~*C. polypetala*. ~ Truly remarkable Caucasian species for its lush bold appearance with larger leaves and flowers, blooming before our native species, continuing 2 mo. Spreads moderately by rooting stems and can reach out into a pond. According to legend, it entered British gardens when a gardener with itchy fingers pinched it from the Vatican Gardens many years ago, so I call it "The Pope's King Cup"! Mine came from Beth Chatto in the 1990s. Zone 7  
*Cresson*
- Cal4200** *Calycanthus chinensis* SWEETSHRUB Shrub. 10'.  
0032 *Plant Delights*
- Cal4300** *Calycanthus floridus* 'Athens' CAROLINA ALLSPICE, COMMON SWEETSHRUB, STRAWBERRY BUSH Shrub. PtShade. 5-8 x 6-10'. Summer.  
2137 Greenish-yellow blooms. An attractive form offering medium green foliage and unique, greenish-yellow flowers that emit a fruity fragrance. Distinct among sweetshrub cultivars. 5-8'. Germ: W, 90 d. Zone 6b *Boylan*
- Cam0050** *Camassia cusickii* CAMASS LILY Bulb. Sun/PtShade. 2½'. Spring.  
0199 Light blue flowers in May. Beautiful grayish-green foliage. Native to the west. Interplant with daffodils. Evenly moist soil, tolerates very wet clay, but grows anywhere soil is moist until June. Zone 7 *Cresson*
- Cam0220** *Camassia leichtlinii* 'Pink Stars' Bulb. Full Sun/Pt Shade. 3'. Spring.  
0199 Pink flowers. Clear pink is a new color break for camassia! Zone 7 *Cresson*
- Cam0230** *Camassia leichtlinii* ssp. *suksdorfii* (Caeruleae Group) CAMASSIA Perennial Bulb. Full Sun-Partial Shade. 2-1/2'-4' tall. Spring.  
0507 Pale silvery blue flowers. Zone 7 *Kolo*
- Cam0335** *Camellia japonica* (from Korea) Shrub. PtShade. 15 x 10'. Spring.  
0199 Deep red, single flowers with yellow stamens. Spring blooming but often opens some flowers in November. Parent plants grown from seed collected wild on Sochong Island off the north coast of Korea, coldest habitat of the species. The hardiest ~*C. japonica*, ~ at least a half zone hardier (probably zone 6a, at least). After 40 years, these are becoming small trees here. Zone 7 *Cresson*
- Cam0345** *Camellia japonica* 'Korean Fire' Tree. PtSun. 10-15' x 5-8'. Spring. Zone 6-9.  
3176 Red flowers. Attractive slow growing evergreen shrub never damaged by cold. Starts blooming in February. Germ: Seeds were stored moist in the refrigerator. Zone 7a *Maber*
- Cam0800** *Camellia stnensis* TEA PLANT Shrub. PtShade. 5 x 5'. Fall.  
0199 White flowers with prominent yellow stamens. You can make real tea from the young shoots, but most people will just enjoy the scented white flowers of this small rounded shrub Sept-Nov. In fact, the origin of this plant was a tea experiment station in northern Japan. Germ: Seed has been refrigerated in moist peat. Sow immediately upon receipt. Should germinate soon in a warm location. Zone 7 *Cresson*
- Cam0850** *Camellia stnensis* 'Rosea' TEA PLANT Shrub. PtShade. 5 x 5'. Fall.  
0199 Striking pink flowers with prominent red stamens Sept-Nov. Spring shoots are beet red, fading to dark green for summer. Germ: Seed has been refrigerated in moist peat. Sow immediately upon receipt. Should germinate soon in a warm location. Zone 7 *Cresson*
- Cam1000** *Camellia* 'Survivor' FALL-BLOOMING CAMELLIA Shrub. 8 x 5'. Fall.  
0199 White flowers with faint tint of pink on edges. One of the hardiest of fall blooming ~*C. oleifera*~ hybrids with compact midsize habit. Seedlings will vary. Zone 7 *Cresson*
- Cam5000** *Campanula* 'Ringsabell Mulberry Rose' RINGSABELL MULBERRY ROSE BELLFLOWER Per. PtSun. 6-15 x 15-18". Spring. Zone 5-9.  
3397 Purple/red flowers. Drooping, less than 8" tall. Vigorous grower, spreads steadily. Great for the edge of a rock garden. Rabbit and vole resistant. Zone 6b *Egberton*
- Cam5800** *Campanula trachelium* BATS-IN-THE-BELFRY, THROATWORT Per. Sun/PtShade. 3 x 1'. Summer.  
1585 Blue flowers. Upright plant. Blooms for several weeks starting in midsummer. *Scofield*

## Campsis - Capsicum

- Cam6000** *Campsis grandiflora* 'Morning Calm' CHINESE TRUMPETCREEPER PerVine. Sun. 15 x 15'. Mid-summer. Zone 6-9.  
0200 Peach-apricot flowers. Better behaved and more floriferous than the species. Zone 7 *Creveling*
- Cam7000** *Campthobeca acuminata* HAPPY TREE, CAMPTOTHECA, CANCER TREE, TREE OF LIFE Tree. 40' +. Sun/PtSun. Zone 8a-11.  
1999 White blooms. Quoting from Sheffield's Seeds: "A fast growing tree in its first 10 yr, its main attraction is its foliage, the leaves being large [5"], glossy & strongly ribbed; on new growth flushes they are pale pinkish bronze. In summer this tree bears stalked, spherical heads of tiny white flowers close to the branch tip, followed in autumn, by enlarged heads of curious yellow-green, sharply angled fruit which finally turn brown before falling. Trunk is usually straight with gray bark and spreading lateral branches." Germ: CMS: 30 d, Soak: 24 d, Cycle: Scarification: Soak in water, let stand in water for 24 hr. Stratification: cold stratify for 30 d. Germination: sow seed 3/8" deep, 21 d. Zone 8a *Norfolk Botanical staff*
- 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 summer. Quietly pretty. *Lespedeza thunbergii* on a diet. Zone 6 *Malocsay*
- Can5100** *Canna x generalis* An. Sun. 3-6'.  
2937-A Rose blooms. Seed is from 'Cannanova Rose' and should be a similar color and around 4-5' tall. Rhizome. Germ: Scfy. Zone 6a *Bittmann*
- Can5350** *Canna indica* INDIAN SHOT Tender Perennial. Full Sun. 5' tall. Summer.  
9975 Red flowers. Tender perennial, easily started from seed growing upwards of 6 feet with slender red flowers blooming through October. Germ: Scfy; D; BH; 7-14 days germination time. *Bartram's Garden*
- Can6200** *Canna warscewiczii* TenPer. Sun.  
1277 Robust species canna. Attractive to hummers. Red/orange flowers. Zone 6a *Haas*
- Cap1115** *Capsicum annuum* 'Black Olive' BLACK OLIVE ORNAMENTAL PEPPER An. Sun. 12-24 x 12". Summer-Fall. Zone 9-11.  
2517 Grown for fruit and dark foliage. Small fruit (under 2") changing from purple/black to red. Extremely hot; not recommended for eating. Germ: NST. Zone 7 *Weaver*
- Cap1120** *Capsicum annuum* 'Black Pearl' ORNAMENTAL PEPPER An. Sun. 12-20 x 12-18". Summer-Fall.  
2517 Grown for foliage and fruit/small pepper not flowers particularly. Black leaves with small, round, hot, black fruit maturing to red. Annual. Germ: NST. Zone 7 *Weaver*
- Cap1300** *Capsicum annuum* 'Calico' ORNAMENTAL PEPPER An. Sun. 12-18 x 12-16".  
0269 Tender perennial grown as an annual and ranging from 18-24" tall. Handsome foliage splashed with purple and white. Dark cone-shaped peppers mature to red. Handsome in containers. Germ: BH. Sow as you would any other pepper, 6-8 wk before the last frost date, and transplant after danger of frost once the soil has warmed up. Zone 7 *Ellis*
- Cap1350** *Capsicum annuum* 'Chilly Chili' ORNAMENTAL PEPPER An. Sun. 12 x 12-15". Summer-Fall.  
2517 Grown mostly for attractive 2-2½" tapering fruit. Fruit begins greenish yellow, gradually turning orange and maturing to red. Annual. Germ: NST. Zone 7 *Weaver*
- Cap1800** *Capsicum annuum* 'Medusa' ORNAMENTAL PEPPER An. Sun. 8-10 x 6-8". Summer-Fall.  
2517 A dwarf, naturally compact ornamental pepper with dark foliage and 2-2½" edible fruit, ranging from ivory to yellow, orange, and bright red. Germ: NST Zone 7 *Weaver*
- Cap2100** *Capsicum annuum* 'Purple Flash' ORNAMENTAL PEPPER An./TenPer. 18-24 x 18". Summer-Fall.  
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*  
2515 Light purple blooms. This ornamental pepper has purple and white-splashed leaves. Peppers are edible and hot. Start 6-8 wk before transplanting, just like any other edible pepper. Zone 6 *Doblmaier*
- Cap2250** *Capsicum annuum* 'Sedona Sun' ORNAMENTAL PEPPER An. Sun. 9-12 x 14-16". Summer-Fall.  
2515 White flowers. Small peppers that are hot and change colors when mature to yellows and oranges. Germ: Start seed about 10 weeks before hardening off. Zone 6 *Doblmaier*

- 2517** Masses of distinctive lemon yellow and carrot orange fruit put on a brilliant, multicolor display. 12" annual. Germ: NST.  
Zone 7 *Weaver*
- Car0120** *Cardiocrinum cordatum* Bulb. PtShade. 3-4'. Late Summer.  
3666 White flowers. Bulb, 4 to 5 years to bloom from seed, be patient. Germ: CMS. Zone 5 *McGowan*
- Car0750** *Cardiospermum halicacabum* LOVE-IN-A-PUFF, BALLOON VINE An. Vine. Sun. 12'. Summer.  
9975 White flowers. Annual twining vine with pleasing leaves, most notable for lantern-esque inflated, green, papery seed capsules. Germ: Scfy; D; 14-21 days germination time; W; SIS; Sow in pots or direct 1/4" deep. *Bartram's Garden*
- Car2500** *Carex muskingumensis* PALM SEDGE Sedge/Grass. Sun/PtShade. 2½ x 1½'. Summer.  
2429 Germ: NST Zone 6 *Bricker*
- Car2620** *Carex prasina* DROOPING SEDGE Perennial grass. Up to 2 1/2' tall.  
3177 Sun or shade. Dry woodlands. 8 inches at flowering. 18 inches by summer. Germ: NST Zone 7 *Gibson*
- Car2650** *Carex scaposa* CHINESE PINK FAIRY SEDGE Per. PtShade. 12 x 12". Summer/Fall.  
0199 A truly "flowering" sedge. Plumes of pink flowers stand above clumps of wide green leaves in midsummer and again in September. Even attracts honey bees. Woodland with moderately moist soil. From China and northern Vietnam. Zone 7  
*Cresson*
- Car3450** *Caryopteris x clandonensis* STERLING SILVER BLUEBEARD Shrub. Sun/PtSun. 2-3 x 2'. Aug-Sept. Zone 5-9.  
0199 Shrub. Sun/PtSun. 2-3 x 2'. Aug-Sept. The most silver-foliaged caryopteris I have seen, so an asset all summer long. Bright blue flowers. Not so easy to find, but seedlings seem to come pretty true. Prune hard in spring. Zone 7 *Cresson*
- 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*  
1277 Zone 6a *Haas*
- Cea1040** *Ceanothus americanus* NEW JERSEY TEA Shrub. Sun/PtShade. 3 x 3-4'. Summer.  
0199 White blooms. An easy compact deciduous shrub widely native in the Eastern US that tolerates our summers and drought. Give it decent drainage. More people need to try this. Good rock garden background plant too. Was used as a tea substitute. Zone 7 *Cresson*
- Cel0850** *Celosia argentea* (Spicata Group) COCKSCOMB, WHEAT CELOSIA An. Sun. 4 x 4'. Summer-Fall.  
9975 Slender pink tipped spike flowers. Prefers full sun to grow 4' t Can be direct sown or started 6-8 weeks before last frost. If DS will bloom into November. Germ: BC; BH; SIS; 14-21 days to germinate; Will self seed. *Bartram's Garden*
- 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 sows freely in Pittsburgh. Zone 6 *Malocsay*
- Cep0550** *Cephalanthus occidentalis* BUTTONBUSH Shrub. Sun/Pt. Shade. 8'. Summer.  
0239 White blooms. Native plant with interesting flowers, seed head, and bark. Prefers moist areas, but is happy with average water and soil. Flowers are an excellent source of nectar for butterflies in the summer. Considered an important plant for butterfly nectar. Germ: W, NST, SR, 14d. Zone 6 *Doering*  
9985 White flowers. Germ: W, NST. Zone 7a *Jenkins Arboretum*
- Cep2300** *Cephalotaxus sinensis* CHINESE PLUM-YEW Tree. 50'-65 tall. Zone 7.  
3436 Shade-tolerant, deer resistant, small coniferous tree with 1" needles. Resembles Taxus, large seeds. Germ: CMS. Zone 7a *Silberstein*
- Cer1300** *Ceratotheca triloba* SOUTH AFRICAN FOXGLOVE An. Sun. 4-6 x 2½'. Summer-Fall.  
2515 Zone 6 *Doblmaier*
- Cer2050** *Cercis canadensis* EASTERN REDBUD, JUDAS TREE Tree. Sun/PtShade. 30 x 30'. Spring.  
1939 Magenta flowers. Blooms before its heart-shaped leaves open. Germ: CMS; SCFY; or SIS. *Urffer*

## Ceropegia - Chrysanthemum

- Cer3090** *Ceropegia africana* subsp. *barklyi* Vine. PtSun. Zone 10a-11.  
0199 Green blooms. Tropical epiphytic trailing vine for hanging pot. Small green heart-shaped leaves with gray veins. Milkweed family. Uncertain about ID, may just be a different leaf form of ~*C. linearis*~ subsp. ~*woodii*.~ Zone 7 *Cresson*
- Cer4000** *Ceropegia linearis* subsp. *woodii* STRING OF HEARTS Vine. Houseplant. Summer-Fall.  
0199 Green blooms. Tropical epiphytic trailing vine for hanging pot. Small green rounded heart-shaped leaves with prominent gray veins. Leaves are more rounded and grayer than ~*C. africana*~ subsp. ~*barklyi*.~ Milkweed family. Zone 7 *Cresson*
- 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*
- Cha0150** *Chaenomeles japonica* 'Sargentii' DWARF JAPANESE QUINCE Shrub. Sun/PtShade. 2 x 4'. Spring.  
0199 Orange blooms. Rare heirloom dwarf variety. Can also make a moderate size espalier reaching 4'. Lovely with yellow daffodils. Yellow fruit in fall. Zone 7 *Cresson*
- Cha0620** *Chamaecyparis thyoides* WHITE CEDAR Tree. Sun/Pt.Shade. 30-50 x 30-40'. Zone 4-8.  
1277 Non-flowering easily grown evergreen. Zone 6a *Haas*
- Cha1050** *Chasmanthium latifolium* NORTHERN SEA OATS PerGrass. Sun/PtShade. 3 x 2'. Summer/Fall.  
1999 Seed heads change from green to copper as they age. A U.S. native grass that thrives in shade. Adored by flower arrangers and is a caterpillar host plant for the Northern Pearly-Eye (*Enodia anhedon*) and the Clouded Skipper (*Lerema accius*). Prodigious self-sower; useful for erosion control. Germ: CMS at 40 for 60 days, then sow at 70 . Expect germination in three weeks. Zone 8a *Norfolk Botanical staff*
- Che2000** *Chelone glabra* TURTLEHEAD Per. PtShade. 2-3 x 2'. Summer-Fall.  
0199 White flowers. This mildly rhizomatous eastern native is ideal for moist meadows and woodland gardens. Zone 7 *Cresson*  
0318 Pink flowers. Likes moisture. Will self-sow if happy. *Garnett*
- Che2200** *Chelone lyonii* PINK TURTLEHEAD Per. Sun/PtShade. 3-4 x 2'. Summer.  
0199 Clusters of pink tubular turtle-head shaped flowers in August are a nice companion to asters. About 3' tall. Germ: NST. Zone 7 *Cresson*
- Che2300** *Chelone lyonii* 'Hot Lips' TURTLEHEAD Per. Sun/PtShade. 3-4 x 2'. Summer.  
3397 Hot pink flowers. Sturdy plant looks great all year and makes bright pink flowers that show up well in deep shade. Zone 6b *Egberton*
- Che2400** *Chelone lyonii* 'Tiny Tortuga' TURTLEHEAD Per. Sun/Pt.Shade. 12-16" x 8-10". Late Summer-Fall. Zone 4-9.  
3397 Hot pink flowers. 2'-3' tall. Zone 6b *Egberton*
- Che2600** *Chelonopsis yagiharana* Per. Sun/PtShade. 12 x 18". Summer-Fall.  
0199 Deep pink flowers. ~*Chelonopsis*~ means "~-*Chelone*~-like," an apt description for this rare August-October bloomer with clean foliage on outwardly arching stems. From Dan Hinkley. Zone 7 *Cresson*
- Chi0750** *Chimonanthus praecox* WINTERSWEET, JAPANESE ALL-SPICE Shrub. Sun/PtShade. 10-15 x 8-12'. Winter.  
0522 Germ: SR. *Kushner*
- Chr0500** *Chrysanthemum carinatum* PAINTED DAISY An. Sun. 9-12x6". Summer-Fall.  
0592 Yellow or white with red basal zone. Dislikes heat/humidity. Mine sulk, then recover somewhat. Still working on doing right by them, having an idiot liking for all daisies. Germ: SIS-early May? Zone 6 *Malocsay*
- Chr0800** *Chrysanthemum indicum* Per. Sun. 2'. Summer-Fall. Zone 5-9.  
0592 Golds, yellows, pinks, red/russet. Some beautiful petal shapes. Blooms splendidly from March sowing under lights. Bittmann's mix, grows tall for me. I rogue out colors I don't care for. Indispensable for cutting/giving. Survives about 50% in Pittsburgh. I plan to mulch with more pinestraw. Germ: NST Zone 6 *Malocsay*

**2937-B** These should produce wide, bushy plants without pinching, and colors should range from yellow to orange, pinks, and reds. The seeds were collected from 'Mammoth' strain mums which were originally bred in Minnesota for cold hardiness. Zone 6a *Bittmann*

- Cit1050** *Citrus trifoliata* TRIFOLIATE ORANGE, HARDY ORANGE Shrub/Tree. Sun. 8-20 x 8-15'. Spring. Zone 5-9.  
0045 White blooms in spring, followed by small, oranges in fall. A large, fairly coarse shrub with wicked spines. Pretty foliage. Fast growing. Flowers in 4-5 yr from seed. Germ: Citrus seed loses viability quickly. Sow immediately. Zone 6b7a *Bartlett*
- Cit1150** *Citrus trifoliata* 'Flying Dragon' BITTER ORANGE Tree. Sun/PtShade. 4-6 x 12-15'. Spring/Summer. Zone 6-10.  
1999 Fragrant white flowers blooms. A high percentage of seedlings exhibit contorted form. Fruit used in jams and jellies, deer-resistant, slow-growing, semi-dwarf. Germ: CMS: 60 d, Cycle: Seedlings sprout in 7-14 d after 60 d moist stratification. Zone 8a *Norfolk Botanical staff*
- Cle0120** *Clematis addisonii* ADDISON'S LEATHER FLOWER Per. Vine. Sun/PtShade. 3 x 3'. Summer.  
2137 Lavender flowers. Native, small herbaceous scrambler with blooms all summer. Perfect for the perennial border or rock garden. Germ: W; 90 d. Remove seed tails to aid in germination. Zone 6b *Boylan*
- Cle0850** *Clematis campaniflora* Vine. Sun. 6-20'. Summer.  
0199 White flowers, tinted pale lilac. Masses of small viticella-like flowers in June and July. Zone 7 *Cresson*
- Cle3200** *Clematis glaucophylla* Vine. Sun/PtShade. 12+'. Summer.  
0199 Pink and creamy yellow flowers. Pendant, urn-shaped flowers in mid to late summer with glaucous green foliage. A desirable southeast U.S. native. Zone 7 *Cresson*
- Cle3250** *Clematis glaucophylla* 'Panhandler' PANHANDLER WHITELEAF LEATHER FLOWER Vine. Sun/PtShade. 12+'. Summer. Zone 6-10.  
0032 Lavender bell flowers from June-October followed by attractive silvery seed heads. This form is from the Florida panhandle. *Plant Delights*
- Cle3300** *Clematis texensis* 'Gravetye Beauty' Vine. Sun. Summer.  
2137 Red blooms. Each miniature tulip-like flower is borne on a long stem and consists of 4-6 rich deep red tepals opening to a striking star shape. ~Clematis~ 'Gravetye Beauty' is best grown through ground covers, vertically in shrubs, or on a tuteur. Spectacular classic variety. Germ: Cycle: Sow @ 68°F for 6 wk, then place @ 40°F for 6 wk, then slowly raise temperature to 50°F for 6 wk. If there is no germination, repeat the cycle. This mimics fall sowing outdoors for spring germination. Remove tails as they inhibit germination. Zone 6b *Boylan*
- 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*  
0592 Yellow. From Cresson. Here it climbed 12-15 feet in part day shade, unideal soil. Zone 6 *Malocsay*
- 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 ladakhiana* 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*
- Cle5130** *Clematis ochroleuca* 'Bald Knob' OCHRE CLEMATIS, CURLY HEADS PerShrub. Sun/PtShade. 24 x 8". Spring.  
0269 White flowers. Herbaceous clematis, 15: by 15" with small, creamy white, urn-shaped flowers with recurved petal tips. Flowers are followed by fuzzy seed heads. Germ: BC; OW Zone 7 *Ellis*
- Cle5350** *Clematis pitcheri* LEATHERFLOWER, BLUEBELL Vine. PtShade. 10'. Summer.  
0032 Resembles ~C. pitcheri~, but may not actually be it. *Plant Delights*

## Clematis - Clethra

**2137** Purple blooms. ~Clematis pitcheri~ is a little known but fabulous native vine, ranging from Iowa south to Texas. The scrambling 6' tall vine, with opposite trifoliate leaves, mingles unobtrusively through shrubs or small trellises. The dainty, pendent, purple bell-shaped flowers with recurved tips adorn the vine from mid-May through September. ~Clematis pitcheri~ is also a good hummingbird haven. Germ: Cycle: Sow @ 68°F for 3 mo, then place @ 20°F for 3 mo. Remove tails as they inhibit germination. Zone 6b *Boylan*

**Cle5360** *Clematis pitcheri* hybrid LEATHERFLOWER, BLUEBELL Vine. PtShade. 10'. Summer.

**0199** Purple, nodding, bell-shaped flowers. This very attractive native clematis hybrid was discovered by Carol Lim in a Broomall garden and blooms all summer. Probably ~C. pitcheri~ x ~C. crispa~. Zone 7 *Cresson*

**Cle5620** *Clematis 'Rooguchi'* Per. Vine. Sun/PtShade. 6 x 4'. Early Summer-Early Fall.

**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 6 *Doering*

**0522** Plum purple flowers. A nonstop bloomer for months. Dainty, ribbed, bell-shaped flowers. *Kushner*

**Cle5700** *Clematis serratifolia* PerVine. Sun/PtShade. 8-15 x 2-4'. Summer-Fall. Zone 5-8.

**0199** Soft yellow flowers. A climber to 10' with nodding scented yellow flowers. Needs more consistent moisture than some yellow clematis. Said to be the only yellow clematis with a lemon scent. Late summer bloom followed by fluffy seed heads. Germ: NST. Zone 7 *Cresson*

**Cle6150** *Clematis texensis* SCARLET CLEMATIS, TEXAS CLEMATIS Vine. Sun/PtShade. Summer-Fall. 15 x 1½'. Summer.

**0199** Carmine-red flowers. Spherical lantern-shaped flowers, from early summer through September, look like strawberries. Can be allowed to sprawl over shrubs, roses, or on a fence, where it is perhaps the most admired plant in the garden. It likes hot, sunny, dry conditions. Difficult species to obtain. Zone 7 *Cresson*

**0269** Red blooms with creamy yellow inside. A showy summer-blooming species, ~C. texensis~ dies to the ground in winter, but has been reliably perennial in Zone 7. I grew my plants from HPS/MAG Seed Exchange seed from Charles Cresson's garden. The flowers are jug-shaped with four petal-like sepals and about 1" long. Leaves are pinnate with oval leaflets. Vines climb to about 9' and cling by twining leafstalks. Germ: OW, SIS. 365 d. Patience is required for germination. Sow seed in pots and mulch with fine gravel. Then leave the pots in a protected spot outdoors. Water as necessary, and be prepared to wait 1-2 yr for germination. This plant is worth the wait! Zone 7 *Ellis*

**1607** Rosy red, bell-shaped flowers of thick substance on a 6-10' vine. Blooms June-September. My plant from the 2003-04 Seed Exchange. One of my favorites. Zone 7a *Jellinek*

**Cle6500** *Clematis viorna* VASEVINE Vine. Sun/PtShade. Summer.

**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*

**Cle7320** *Cleome hassleriana 'Cherry Queen'* SPIDER FLOWER An. Sun. 5-7 x 2'. Summer.

**5082** Light pink blooms. Annual but will reseed. Germ: BH, L, 10 d. SR. Keep soil moist until seeds sprout. Zone 6b *Smith, C*

**Cle7500** *Cleome hassleriana 'Violet Queen'* SPIDER FLOWER An. Sun. 24 x 40". Summer.

**0043** Darker purple than most. Great with other cleome or by itself. Will seed around, but easy to weed or move to where you want them (when small). *Biderman/Barron*

**Cle8500** *Clerodendron trichotomum* HARLEQUIN GLORY BOWER Shrub. Sun/PtShade. 10 x 10'. Summer.

**0118** Cymes of fragrant white flowers with prominent stamens in late summer, followed by magenta seedpods opening to expose metallic blue berries. Germ: CMS, 4wk; BC; C, 3mo. Zone 5a *Stonecrop Gardens*

**0522** White flowers. Eye-catching shrub with fragrant white flowers followed by metallic blue fruit that sit in a red, star-like base. Germ: L; W; 1-3mo. *Kushner*

**Cle9000** *Clethra acuminata* CINNAMON CLETHRA Shrub/Tree. PtShade. 12 x 12'. Summer.

**3666** White flowers. Fragrant, shade tolerant, exfoliating bark, flowers in July and August. Zone 5 *McGowan*

**9985** Zone 7a *Jenkins Arboretum*

**Cle9250** *Clethra alnifolia 'Ruby Spice'* SUMMERSWEET, SWEET PEPPERBUSH Shrub. PtShade. 8 x 8'. Summer-Fall.

**1277** Pink flowers. Zone 6a *Haas*



- Cle9300** *Clethra barbinervis* JAPANESE CLETHRA Shrub. Sun/PtShade. 15-20 x 10'. Summer.  
3666 White flowers. Fragrant, shade tolerant, exfoliating bark, flowers in July and August, attracts butterflies and bees. Zone 5  
*McGowan*
- Cli3650** *Clitoria ternatea* 'Flore Plena' BUTTERFLY PEA Annual Vine. Full Sun. Summer. 10'-15' long.  
1999 Intense cobalt blue pea-like flowers. Well-behaved, twining annual vine with to-die-for double blue flowers that can be made into a tea, or used as a natural food dye to color rice cakes or desserts. It is also a caterpillar host plant for the Silver-spotted Skipper ( *Epargyreus clarus* ) butterfly. Cool party trick: Add some lemon juice to the blue tea and it instantly turns pink! Germ: Soak in hot tap water overnight then sow at 70 to germinate in 7 to 14 days. Prefers to grow on at cooler temperatures (55 to 60 )Zone 8a *Norfolk Botanical staff*
- Cli4000** *Clivia miniata* NATAL LILY TenPer. PtShade. 30 x 30". Spring-Summer.  
0199 Lemon-yellow flowers. Self-pollinated seed from 'Sir John Thouron'. Will come true. Germ: Sow immediately. Zone 7  
*Cresson*
- Cod2010** *Codonopsis lanceolata* POOR MAN'S GINSENG, BONNET BELLFLOWER PerVine. Sun/PtShade. 3-8'. Late Summer-Fall.  
0199 Green, spotted with maroon inside. Twining vine that thrives in our hot summers; perennial that dies to ground in winter. Resembles the cup and saucer vine, but hardy. Korean form. My plant from wild collection on Ullung Island, Korea.  
Zone 7 *Cresson*  
0507 Zone 7 *Kolo*
- Col1400** *Collinsonia canadensis* HORSEBALM Per. PtShade. 2-4 x 1-3'. Late Summer. Zone 4-8.  
0032 SE15-106a Germ: CMS, Cycle. BC, NST. *Plant Delights*  
0199 Light yellow Flowers. For woodland or woods edge with smallish fragrant flowers and light citrus scent to crushed foliage. Native. Zone 7 *Cresson*
- Con0700** *Conoclinium coelestinum* BLUE MISTFLOWER Per. Sun/PtShade. 24-36 x 6". Midsummer-Fall. Zone 5-8.  
3397 Blue flowers. Native pollinators love it, tons of bloom in September and October. Can tolerate wet feet. Zone 6b  
*Egberton*
- 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  
*Biderman/Barron*
- Con1100** *Consolida ajacis* (blue) LARKSPUR An. Sun. 4 x 1'. Late Spring-Summer.  
0199 Blue blooms. This classic annual self-sows and blooms in June on tall 5-6' plants. I think the blue strain is the most useful color, complementing everything else. Sow late winter in situ. Zone 7 *Cresson*
- Con1150** *Consolida ajacis* (Pink) LARKSPUR An. Sun. 4 x 1'. Late Spring-Summer.  
0043 Should be just pink from plant volunteer in a different part of the garden. Germ: SIS *Biderman/Barron*
- Con2700** *Convolvulus laciniata* PerVine. 6-8'. Late Summer.  
0507 Mottled purple, white, and green. A must. Will climb modestly to 6-8'. Its strange pendulous bells appearing in mid to late summer. Zone 7 *Kolo*
- Cor1700** *Coreopsis leavenworthii*  
0965 Gold 3/4" flowers on wiry plants, bloom all summer long. Delicate and delightful Florida wildflower. Zone 7a *Umphrey*
- Cor1800** *Coreopsis species* Per. Sun. 1 1/2 x 1 1/2-2'; to 2 1/2' in bloom, but flops. Summer.  
1939 Small yellow. Full sun. *Urffer*
- Cor2700** *Cornus elliptica* EVERGREEN DOGWOOD Shrub. Sun/PtShade. 15-20 x 12-15'. Summer. Zone 7-9.  
1999 ~*Cornus elliptica*~ is an evergreen to semi-evergreen dogwood that is native to China. It was introduced to the U.S. in 1980 by Ted R. Dudley of the U.S. National Arboretum. It is hardy in USDA Zones 6-8. Small tree blooms in early summer. The edible fruit, collected in late September or early November, is used in making jellies and jam. Germ: CMS: 90 d, Soak: 1 d, Cycle: Soak seeds overnight in warm water then cold, moist stratify for 90 d. Plants germinate when returned to 70°F in 21 d. Zone 8a *Norfolk Botanical staff*

## Corydalis - Daphne

- Cor5700** *Corydalis sempervirens* PALE CORYDALIS, ROCK HARLEQUIN Bien. Sun/PtShade. 3 x 2'. Summer.  
2621 Pink and yellow flowers. HA/HB prefers shade, medium moisture. Delicate flowers, glaucous foliage, reseeds. Germ: CMS 2 weeks. Zone 6 *Nachlas*
- Cos2300** *Cosmos species* An./Per. Sun.  
0215 Orange flowers. Perennial for me. Original seed from India. Germ: NST Zone 7b *DeMarco*
- Cos2830** *Cosmos sulphureus* 'Mona's Orange' An. Sun. Summer-Fall.  
3666 Orange flowers, sometimes has red streaking. Very nice easy annual, grows about 4'. Zone 5 *McGowan*
- Cot1050** *Cotoneaster salicifolius* 'Henryi' WILLOWLEAF COTONEASTER Sun. 15 x 15'. Late Spring/Summer.  
0199 White blooms. Rare and impressive evergreen fountain-shaped shrub to 10+' tall and wide. Abundant bright red fruit in fall. Dry shade or sun. Introduced from England by Styer Nursery decades ago, but no longer available. Zone 7 *Cresson*
- Cra1270** *Crambe maritima* SEA KALE Per. Sun. 2-3'. Late Spring/Midsummer. Zone 5-9.  
0592 White blooms. Leaves very large, expansive--I remove those that lose their luster. Large, long-lasting cloud of fragrant bloom in spring. Gently crack husk before sowing. Zone 6 *Malocsay*
- 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. Germ: Soak overnight; C; D; 2 yr. Grow with grit/gravel. Transplant after dormancy. Germination may be slow. Zone 6b7a *Bartlett*
- Cyc1700** *Cyclamen hederifolium* 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*
- Cyc1800** *Cyclamen hederifolium* (silver leaves with pink blooms)  
3321 'Silver Cloud'. Fall, pink blooms with silver leaves. Zone 5 hardy. Germ: Soak: 1 d, WMS, W, D. 90 d. Zone 6 *Perron*
- Cyn0250** *Cynara cardunculus* CARDOON, ARTICHOKE THISTLE Per. Sun. 5 x 4'. Summer/Fall. Zone 7b+.  
1999 Large purple thistle-like flowers. A hardy (in Zones 7-10) perennial with jagged, silvery foliage that provides an imposing, architectural presence to the garden. Great cut flower, but you'll have to fight the bees and butterflies who relish the nectar. This sculptural plant received the Royal Horticultural Society's Award of Garden Merit. Germ: Soak in hot water overnight; repeat procedure for any seeds that have not imbibed water, then sow at 70°, expect germination in 14 to 21 days, W. Zone 8a *Norfolk Botanical staff*
- Cyp1200** *Cypella berbertii* HERBERT'S GOBLET FLOWER Bulb. Sun/Pt.Sun. 20". Spring-Summer Zone 7-9.  
0032 Yellow-orange goblet-shaped flowers. Little-known but easy to grow South American bulb. *Plant Delights*
- 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. *Berger*
- Cyr4000** *Cyrtanthus mackenii* IFABA LILY TenPer. PtShade. 12-18".  
0045 Yellow blooms on prolific and easy South African bulb ~Amaryllidaceae. ~ Hardiness 7b-8? Fast clumping, winter-spring. Quickly makes a potful. Germ: NST. Warm- room temperature, 65-70°, 3 mo Zone 6b7a *Bartlett*
- Dal1060** *Dalea lastatbera* PURPLE DALEA Per. Sun. 4-12" Spring Zone ?.  
0032 Purple. Prairie legume native to Texas. Bluish-green leaves. Heat and drought tolerant and attractive to native bees. *Plant Delights*
- Dan1050** *Danae racemosa* Shrub. PtShade/Shade. 3 x 3'. Summer.  
0199 Insignificant blooms on a graceful evergreen perennial/shrub in the asparagus family. Bright red fruit in fall. Thrives in dry shade. Hardier than the books say. Zone 7 *Cresson*
- Dap2400** *Daphne mezereum* f. *alba* FEBRUARY DAPHNE Shrub. Sun/PtShade. 4 x 3'. Winter-Spring.  
3321 White blooms very early in year, very fragrant. Germ: Scfy, Soak; R. 180 d. Zone 6 *Perron*

- Dap3000** *Daphniphyllum btimalaense* subsp. *macropodium* Shrub/Tree. PtShade. 20 x 15-20'. Spring.  
0199 Small insignificant flowers. Highly deer resistant evergreen ~Rhododendron maximum~like shrub . Tolerates dry shade, moderate drainage, or even sun. What more? Still scarce in nurseries. Blue-black fruit. Dioecious. This is hand-pollinated seed. Zone 7 *Cresson*
- Dat0050** *Datisca cannabina* FALSE HEMP Per. Sun. 5-6 x 3-4'. Summer-Fall.  
0118 Yellow blooms. An imposing herbaceous plant from India with graceful arching stems and finely divided foliage. A midsummer bloomer with ornamental tassel-like yellow flowers in racemes. This herb yields a yellow dye often used for silks. We have enjoyed it in a pot and now love it in the garden. Sun. Germ: W, BC. Zone 5a *Stonecrop Gardens*
- Dat4200** *Datura species* ANGEL'S TRUMPET An. Sun. 3-4 x 2-5'. Summer.  
0965 Pale yellow flowers. Offered last year. Misnamed as 'golden' when the color is quite a pale yellow. Lovely and fragrant. Zone 7a *Umpfrey*
- Dau3000** *Daucus carota* QUEEN ANNE'S LACE Bien. Sun/PtShade. 24-36 x 9-12". Summer. Zone 3-9.  
5082 White blooms. Germ: SR, NST. Store seeds for up to a year in a baggie if not immediately planted after harvesting. Zone 6b *Smith, C*
- Dau3050** *Daucus carota* 'Dara' FLOWERING CARROT, ORNAMENTAL WILD CARROT Bien. Sun. 2-3'. Summer. Zone 2-7.  
0965 Variable pink, burgundy, ivory, and white blooms. This carrot flowers the first year from direct seeding. The variable flowers add a quaint feel to gardens and bouquets. Seeds donated by Half Acre Flower Farm. Zone 7a *Umpfrey*
- Del0900** *Delosperma sutherlandii* SUTHERLAND HARDY ICE PLANT Per. Sun. 4-6" x 2'. Summer Zone 6-10.  
0032 Vibrant purplish-pink flowers. Needlelike foliage. Drought tolerant. *Plant Delights*
- Dia0800** *Dianthus barbatus* 'Nigrescens' Bien. Sun. 1-2 x 2'. Late Spring-Summer.  
2937 Deep maroon/chocolate. A biennial or short lived perennial who's dark flowers look best alongside lighter colors or gray foliage. Zone 6a *Bittmann*
- Dia2500** *Dianthus deltoides* MAIDEN PINK Per. Sun. 2½ x 2'. Summer.  
0199 Pink blooms. A low mat-forming perennial with deep pink flowers in spring. Easier to grow than many dwarf pinks. Zone 7 *Cresson*
- Dia3000** *Dianthus* 'Feuerhexe' CHEDDAR PINK, MOUNTAIN PINK Per. Sun. 6". Spring. Repeat Bloomer.  
2937 Cheddar pink blooms. Seed from 'Firewitch', produces dwarf to very dwarf plants with bloom colors ranging from pink to magenta to salmon. Zone 6a *Bittmann*
- Dia4650** *Dianthus japonicus* Bien. Sun. 8-10". Spring-Summer.  
0199 Deep pink flowers. Cottage garden type plant. Persists by self-sowing but well behaved. Zone 7 *Cresson*  
1999 Small clusters of lilac-pink flowers. Weird evergreen dianthus with rosettes of glossy leathery leaves that turn a satisfying shade of ox-blood red in autumn. Useful for sandy soils. Seems to prefer part shade in the South. Tolerates coastal conditions; needs excellent drainage. Germ: W, NST. Zone 8a *Norfolk Botanical staff*
- Dia4700** *Dianthus knappii* 'Yellow Harmony' Per. Sun/PtShade. 12-18". Midsummer/Early Fall. Zone 3-9.  
2515 Yellow flowers in early to midsummer. Can take a drought tolerant location. Started from seed obtained from HPS/MAG seed exchange in 2016 and started to bloom the first yr. Germ: NST. Zone 6 *Doblmaier*
- Dia5050** *Dianthus nitidus* CARPATHIAN GLOSSY PINK Per. Sun/Pt.Shade. 5-9" Late spring-Summer Zone 6-8.  
0032 Pink flowers with red veins. Fragrant. Mound forming with glossy leaves. *Plant Delights*
- Dia5300** *Dianthus petraeus* Per. Sun/Pt Shade. 6-12". Summer Zone 5-8.  
0032 White to pale pink flowers are clove scented. Mounded cushions of grey-green leaves. *Plant Delights*
- Dia6600** *Dianthus superbis* 'Alba' FRINGED PINK, SUPERB PINK Perennial. Full Sun. 1-1/2'-2' tall. Spring  
9968 White flowers. Per. Sun, Good drainage, 16"-20"T, 8"W, Spring. This dianthus has delicate fringed white petals held above the foliage blooming in early summer. The flowers are sweetly fragrant. It will re-bloom if cut back to basal foliage. Narrow gray-green leaves are held on vertical stems. Germ: WMS 14-30 days; SS; C; 30 days germination time. Zone 7a *Roper*

## Digitalis - Echinacea

- Dig2500** *Digitalis grandiflora* PERENNIAL FOXGLOVE, YELLOW FOXGLOVE Per. Sun/PtShade. 1-1½ x 1'; from 2-3' tall in bloom. Late Spring-Summer.  
1277 Pale yellow flowers. Nice foliage. A good plant and a reliable perennial. Zone 6a Haas
- Dig3020** *Digitalis lamarkckii* Per. PtShade. 3'.  
0592 No shy foxglove this--the full candelabra, sideshoot-willing too. Some wild bee is nuts for it. Bloom akin to ~D. lanata~ but showier. Self-sowing welcome since it is most often biennial. Germ: NST. Zone 6 Malocsay
- Dig3050** *Digitalis lanata* GRECIAN FOXGLOVE Bien./Per. Sun/PtShade. 2-3 x 1'. Late Spring-Summer.  
0199 White/yellow flowers. Despite the name lanata, the leaves are smooth and green. Soft yellow flowers, veined with brown and a prominent white lip surround the stem. I let it naturalize in the rock garden. Zone 7 Cresson
- Dig3500** *Digitalis lutea* STRAW FOXGLOVE Per. PtShade. 6-12 x 12"; from 1-2' in bloom. Late Spring-Summer.  
0592 Light yellow blooms, quiet, tall spikes of tiny bells. Does well in shade--even dry shade. Germ: NST. Steady self-sower. Zone 6 Malocsay  
0926 Streeter
- Dig3600** *Digitalis maritima* FOXGLOVE Per. Sun/Pt Shade. 2-3'. Early Summer. Zone 5-9.  
0032 Pink-purple flowers. Silver felted leaves. *Plant Delights*
- Dig4050** *Digitalis purpurea* FOXGLOVE Bien./Per. PtShade. 2 x 2'; from 4-6' in bloom. Early Summer.  
0926 Pinkish purple, occasionally white flowers. Old-fashioned and graceful. Germ: Seeds around helpfully. Streeter  
2621 Purple flowers. HB/HP. Grow in cool, moist, rich partial shade. Tall (4' +) grape-colored bells. Germ: Germinates cool (60) with light. Zone 6 Nachlas
- Dig4100** *Digitalis purpurea* 'Apricot Faerie Queen' Pen. Sun/PtSun. 36-48 x 18-24". Spring/Early Summer. Zone 4a-9b.  
2621 HB/HP Grow in cool, moist, rich partial shade. Tall (4' +), freckled, soft apricot flowers. Germ: Germinates cool (60) with light. Zone 6 Nachlas
- Dig4400** *Digitalis purpurea* 'Snow Thimble' HYBRID FOXGLOVE Per. PtShade. 4 x 3'. Summer. Zone 4-9.  
0084 This biennial foxglove has pure white blooms and reportedly comes true from seed. Source: Annie's Annuals in CA. Germ: C, NST, SIS. Bowditch
- Dig6050** *Digitalis thapsi* SPANISH FOXGLOVE Per. Sun/PtShade. 8-12 x 8-12; to 30" in bloom. Spring.  
0199 Pink flowers. A smaller, bushier, more perennial version of the common foxglove. Zone 7 Cresson
- Dod1110** *Dodecatheon meadia* SHOOTING STAR Per. Sun/PtShade. 6 x 10"; from 16-24" in bloom. Spring.  
1607 White/pink flower color. Germ: CMS 6-8 weeks; L; SS. Zone 7a Jellinek
- Dra0880** *Draba hispanica* SPANISH DRABA Per. Sun/Pt.Shade. 3-5". Early Spring. Zone 4-8.  
0032 Yellow. Clump forming rock garden plant. *Plant Delights*
- Dra2500** *Dracopis amplexicaulis* CLASPING CONEFLOWER Annual. Full Sun. 1-1/2'-2' tall. Summer.  
9975 Yellow flowers. Summer blooming annual reaching 24" tall, leaves clasp the stems. A favorite of the gold finches. Germ: SIS. Bartram's Garden
- Ech0025** *Echeandia texensis* TEXAS CRAGLILY Per. Sun/PtSun. 24-36". Fall. Zone 7b-10b.  
0032 *Plant Delights*
- Ech0250** *Echinacea purpurea* PURPLE CONEFLOWER Per. Sun. 4 x 1'. Summer-Fall.  
0507-B Pink. Typical coneflower, varied in color depth. Typical coneflower, but with a richer color. May be a hybrid with ~E. tennesseensis~. Zone 7 Kolo  
1020 Mauve-pink flowers. Zone 7 Wiedorn  
1277 Mauve pink. Attracts droves of butterflies. Zone 6a Haas
- Ech0500** *Echinacea purpurea* 'Alba' WHITE CONEFLOWER Per. Sun/PtShade. 3-5 x 3-4'. Summer-Fall.  
0507 White flowers. Very attractive. Zone 7 Kolo

- Ech1400** *Echinacea CHEYENNE SPIRIT* CONEFLOWER Per. Sun/PtSun. 1-2½ x 1-2'. Summer. Zone 4-9.  
5082 Red and yellow blooms. Germ: CMS: 90 d. Cycle: cold then heat mat. W, D, 15 d. Store in a cool dry dark place. Moisten paper towel, place seeds on it, place in a baggie and refrigerate for 12 wk. Then sow 2 per pot. Keep moist--avoid overwatering. Zone 6b *Smith, C*
- Ech1450** *Echinacea Sombrero Salsa Red* = 'Balsomsed' (PBR) (Sombrero Series) RED CONEFLOWER Sun. 18-24 x 22-24". Midsummer-Late Summer. Zone 4-9.  
5082 Red blooms. Deer resistant. Germ: CMS: 90 d, W, D. Store in a cool dry dark place. Moisten paper towel and put seeds on it. Seal in a baggie in the refrigerator for 12 wk. Sow 2 seeds in each pot with a thin sprinkler of soil. Cover with a baggie and keep warm. Zone 6b *Smith, C*
- Ech3250** *Echinops ritro* GLOBE THISTLE Per. Sun. 2-4 x 1-3'. Summer, reblooms. Zone 3-9.  
0926 Steel blue flowers. Taller 3-4'. Good back-of-the-border plant. Not as ferocious as most thistles. Flowers dry well. Self-sows. Germ: NST. *Streeter*
- Ele0750** *Elephantopus species* ELEPHANT'S FOOT TenPer.  
9985 Zone 7a *Jenkins Arboretum*
- Els1050** *Elsboltzia stauntonii* MINT BUSH Per. Subshrub. Sun. 3-5'. Summer-Fall.  
1277 Lavender flowers. Nice, little known shrub similar to caryopteris. Deadhead to prevent reseeding. Zone 6a *Haas*
- Emi2000** *Emilia cocctinea* 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*
- Eng0500** *Engelmannia peristentia* ENGLEMAN'S DAISY Per. Sun. 2'. Spring-Summer. Zone 5-10.  
0592 Bloomed first year from seed under lights in March. Self-reliant foliage, pleasantly informal yellow daisy and low stature make it easy to work with. Zone 6 *Malocsay*
- Eng1000** *Engelmannia peristentia* 'Bergheim' ENGLEMAN'S DAISY Per. Sun. 2'. Spring-Summer. Zone 5a-10b.  
0032 Yellow blooms. Seeds from plants grown from wild collected seed in Comal Co, TX just E of Bergheim, coll #A3T-017. Germ: W, BC, SS, NST. *Plant Delights*
- Enk1100** *Enkianthus campanulatus* REDVEIN ENKIANTHUS, FURIN-TSUTSUJI Shrub. Sun/PtShade. 6-10 x 4-6'. Late Spring. Zone 4-7.  
1939 Blooms bell-shaped cream with a red vein, red wine-colored seed covers in the fall. An ericaceous shrub. Nice red fall color. Germ: BH; NST. *Urffer*
- Eri1500** *Erigeron pulchellus* Per. Sun. 4 x 6"; to 12" in bloom. Summer. Zone 2-8.  
0199 Lavender-blue blooms. This form originally from Lycoming County, PA has darker-colored flowers than 'Lynnhaven Carpet'. Zone 5. Zone 7 *Cresson*
- Eri1550** *Erigeron pulchellus* 'Lynnhaven Carpet' ROBIN'S PLANTAIN, FLEABANE Per. Sun/PtShade. 3 x 6; to 10" in bloom. Spring.  
0199 White-tinted, pale lilac flowers. New cultivar named in 2007 by Cresson from plants originating along Lynnhaven River behind Virginia Beach. Dry shade to sun, weed-suppressing, ground cover. Dark green, hairy rosettes spread by runners. Pale lavender daisies in May. Very hardy Eastern woodland native. Zone 7 *Cresson*
- Eri1600** *Erigeron pulchellus* 'Meadow Muffin' Per. Sun/PtShade. 3 x 6; to 10" in bloom. Spring.  
0199 White, tinted pink, daisies with yellow centers in May. Rare and adaptable dense stoloniferous ground cover for dry shade or sun with dark green rosettes of hairy foliage. Differs from 'Lynnhaven Carpet' by rounder leaves in tighter rosettes. Zone 7 *Cresson*
- Ery0050** *Eryngium agavifolium* SEA HOLLY Per. Sun. 1 x 1-2; to 5' in bloom. Summer.  
0199 Greenish white blooms. Dramatic perennial for its basal spiny-edged sword-shaped leaves and 3-5' flower spikes. Zone 7 *Cresson*
- Ery0360** *Eryngium aquaticum* SWAMP ERYNGO Per. Sun. 5 x 1'. Summer.  
0032 *Plant Delights*

## Eryngium - Euphorbia

1999 Silvery-blue, thistle-like flowers. Very architectural presence. The Xerces Society for Invertebrate Conservation rates this plant as having special value for pollinators, especially for native bees. In the wild this plant grows in bogs, marshes, and ditches. It tolerates saturated soils and periodic flooding. Prized by flower arrangers. Native to Eastern North America, it can be easily grown in average soil in Zones 6 to 8. Germ: CMS: 90 d. W, BC, RTp. Zone 8a *Norfolk Botanical staff*

**Ery0370** *Eryngium aquaticum* var. *ravelellii* Per. Sun/Pt.Sun. 30". Late summer. Zone 4-8.

0032 Branched antennae-like clusters of blue fuzzy ball flower heads. *Plant Delights*

**Ery3010** *Eryngium giganteum* MISS WILLMOTT'S GHOST Bien. Sun. 3 x 1'. Summer.

0199 Stiff, silvery, prickly flower heads. A classic. Allow to self-sow. Zone 7 *Cresson*

**Ery3600** *Eryngium pandanifolium* PANDANUS LEAF ERYNGIUM, GIANT SEA HOLLY Per. Sun/PtShade. 5 x 5'. Midsummer- Mid Fall. Zone 7a-9b.

0032 Gray-green blooms on 5' plant. Germ: BC, SS, NST. *Plant Delights*

**Ery5250** *Eryngium yuccifolium* RATTLESNAKE MASTER Per. Sun. 4 x 2'. Summer/Fall.

0032 *Plant Delights*

1999 White, spherical, bristle-like blooms. Very architectural plant, attracts many pollinators, especially native bees and wasps. Foliage is decidedly yucca-like. Flowers dry well and add winter interest to the garden. Excellent cut flower. Hardy in Zones 4 to 9. Grows to 4' tall in full sun. Consorts well with echinacea. Germ: CMS: 60 d, Soak: 1 d, Cycle: Soak seeds overnight in warm water then cold, moist stratify for 60 d. Plants will sprout in 14-21 d when returned to 70°F. Light enhances germination. Zone 8a *Norfolk Botanical staff*

**Euc5300** *Eucomis comosa* 'Sparkling Burgundy' PURPLE PINEAPPLE LILY TenPer. Bulb. Sun/PtShade. 3 x 3'. Summer. Zone 7a-11.

0199 Greenish blooms. Striking purple leaves and stalks. This has proven hardy here and forms large clumps with time. I grow it in rich soil in sun. Zone 7 *Cresson*

**Euo1050** *Euonymus americanus* HEARTS A BUSTIN', AMERICAN STRAWBERRY BUSH Shrub. PtShade. 6 x 5'. Spring.

0199 Small, inconspicuous, greenish yellow flowers followed by strawberry-like fruit that splits open to show 4 or 5 red-orange seeds framed by the scarlet husk. Native understory plant. Zone 7 *Cresson*

1999 Small, inconspicuous greenish-yellow flowers followed by colorful fruit. Native to the U.S., this fine understory shrub deserves a place in every natural garden. Germ: CMS, WMS Seed requires 8-12 weeks warm followed by 8-16 weeks cold stratification and can be sown in cold frames. Zone 8a *Norfolk Botanical staff*

**Eup0700** *Eupatorium altissimum* TALL THOROUGHWORT Per. Sun/Shade. 4-6 x 2'. Late Summer-Fall.

0592 White. Native not for the faint of heart, it self-sows so...willingly. For the wilder wild gardener eager to please pollinators of every kind. It takes over where springtime's Valeriana leaves off (cut to the ground to leave Eupatorium room). Zone 6 *Malocsay*

**Eup2100** *Eupatorium fortunei variegated* VARIEGATED JAPANESE JOE PYE WEED Per. Sun/PtSun. 3-5 x 3'. Summer. Zone 5-8.

0199 Pink blooms. Japanese species with narrow, serrated leaves, irregularly edged white. Masses of pink flowers in late summer. Similar to 'Pink Frost'. Variegation may not come from seed but flowers are attractive and plant is less heavy and massive than our native Joe Pye weed. Zone 7 *Cresson*

**Eup2270** *Eupatorium byssopifolium* Per. Sun. 2½ x 1½'. Fall.

3666 White flowers. Drought tolerant. Germ: BC. NST. Zone 5 *McGowan*

**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 bloom in full shade with white to pale pink cast flowers. Zone 6b *Egberton*

**Eup2420** *Eupatorium purpureum* JOE-PYE WEED Per. Sun/PtShade. 6-7 x 3'. Summer-Fall.

0200 Purple-rose flowers attract butterflies. Native Plant Zone 7 *Creveling*

**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*

- Eus0050** *Euscaphis japonica* KOREAN SWEETHEART TREE Tree. Sun/PtShade. 20 x 10-15'. Spring.  
0522 A multiple interest specimen tree. Slender growth habit, flowers turn to red fruits bearing black seeds. Seeds resemble those found on ~Euonymous carnosus~. Germ: CMS, Scfy. *Kushner*
- Fra1000** *Frangula caroliniana* CAROLINA BUCKTHORN Shrub. Sun/PtShade. 10-15 x 10-15'. Spring. Zone 5-9.  
0045 Greenish white blooms. Pink to red to black berries as they mature in autumn. Light textured with crops of red berries in fall. A pleasant native not as well known as it should be. Grown for foliage and berries. Germ: NST. 2 yr. Like many shrubs, slow to germinate. Zone 6b7a *Bartlett*
- Fre5000** *Freesia laxa viridiflora* TenCorm. Pt.Shade. 4-12". Winter-Spring  
0045 Green flowers in January on a fan of green leaves. Cute. Easy South African bulb. Used to be a Lapeirusia. Zone 6b7a *Bartlett*
- Fri3500** *Fritillaria verticillata* PerBulb. Sun/Pt.Shade. 2'. Spring Zone 6-8.  
0032 Bell-shaped white flowers checkered green or brown. *Plant Delights*
- Fuc1800** *Fuchsia regia* LADY'S EARDROPS Woody. Sun/PtShade. 2-3 x 2-3'. Summer-Fall.  
0199 Red and purple flowers. Another hardy species similar to ~F. magellanica~ but with narrow 4" glossy leaves and a graceful vase-shaped habit. Grow outdoors as a hardy perennial and mulch in winter for extra protection. Lots of tasty purple-black fruit. Zone 7 *Cresson*
- Gal2010** *Galtonia candicans* Bulb. Sun. 2-3'; to 4 or 5' in bloom. Summer.  
1017 Creamy white blooms. Hardy summer-flowering 30-42" bulb. Tropical appearance, but completely hardy. Zone 5b *Whitesell*
- Gal2250** *Galtonia viridiflora* TenBulb. Sun. 2-3'. Late Summer.  
0045 A hardy (at least zone 7) S. African bulb. To 18". Pale green flowers in summer. Likes full sun. Germ: No special treatment. Zone 6b7a *Bartlett*
- Gen0250** *Genista sagittalis* Per. Sun. 4-6 x 12+ ". Early Summer.  
0032 *Plant Delights*
- Gen0500** *Gentiana andrewsii* BOTTLE GENTIAN, CLOSED GENTIAN Per. Sun/Pt.Shade. 2' Summer-Fall.  
0199 Blue flowers. A treasured wildflower for partial shade in moist well drained soil. Zone 7 *Cresson*  
1607 Dark blue flowers. I haven't started this one from seed, but CMS 60 d is recommended. Germ: CMS 60 d. Zone 7a *Jellinek*  
3178 Purple flowers. Germ: CMS 60 days; L; R; OW. *Standen*  
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 in Sun/PtShade. Zone 7 *Cresson*
- Gen2700** *Gentiana villosa* 'Thomasville' THOMASVILLE STRIPED GENTIAN Per. Light shade. 8". Fall. Zone 6-9.  
0032 White bell-shaped flowers in October. Woodland native. *Plant Delights*
- Ger2500** *Geranium maculatum* 'Espresso' PtShade. 18".  
0199 Pink flowers, purple foliage. Seed from a seedling with extra dark foliage color. Zone 7 *Cresson*
- Ger3800** *Geranium pratense* Per. Sun. 18 x 18"; to 30" in bloom. Summer.  
0199 Blue blooms. 2' Eurasian perennial with blue flowers in June. This species is the great grand-daddy of most blue hybrids. Let it naturalize. Zone 7 *Cresson*
- Gla0090** *Gladiolus* 'Boone' PerBulb. Sun. 3'. Summer.  
0507 Pale yellow-apricot. An extraordinarily beautiful glad, once featured by the late Holbrook Nursery. Comes true from seed. This is a very vigorous plant that increases rapidly but can be controlled. Do not skip deadheading. Zone 7 *Kolo*  
0592 Yellow, shading into peach, quite variable blooms. Called 'Boone' by HPS some years back. Hardy in Pittsburgh, though I take some in to be sure. Picking prompts smaller scapes lower down. Cormlets should bloom in two years. Zone 6 *Malocsay*

## Gladiolus - Helenium

- Gla0500** *Gladiolus communis* ssp. *byzantinus* Ten Bulb. Full Sun/Pt Shade. 1'-2'. Late Spring. Zone 7.  
0199 Pink flowers. Unlike the better-known African gladiolus, this hardy southern European native is late spring blooming and summer dormant! Flowers are intense pink. Has been hardy here with a mulch. Zone 7 *Cresson*
- Gla0550** *Gladiolus cross* PerBulb. Sun. 3'. Summer.  
0045 Various dark reds with white blooms in winter. An easy strain of winter-flowering gladiolus, hybrid of ~*Gladiolus huttonii* ~ x ~*tristis*~. They seem a bit more robust than better known hybrids. Germ: W, L. Zone 6b7a *Bartlett*
- Gla0845** *Gladiolus murtelae* 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. Zone 6b7a *Bartlett*
- Gla0975** *Gladiolus tristis x watsonius* GLADIOLUS HOMOGLAD HYBRID, EVENING FLOWER GLADIOLUS TenCorm. Sun. 3-4'. Late Spring/Midsummer. Zone 8a-11.  
0045 Straw yellow blooms. A tender South African winter-flowering gladiolus to 2'. Easy to grow. A potful is beautiful in midwinter. Germ: NST; 90 d. Grow in grit/gravel, ½" in soil, ¼" over seed. Zone 6b7a *Bartlett*
- Gla1050** *Glaucium flavum* HORNED POPPY Per. Sun. ½ x 1-2'; to 1" in bloom. Summer.  
9968 Yellow blooms. 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 d. Zone 7a *Roper*
- Gom1070** *Gomphrena pulchella* GLOBE AMARANTH Annual. Sun/Pt. Sun, 3' x 2'. Summer.  
0199 Hot pink flowers. Tall open habit resembles *Verbena bonariensis* and looks good mingled with it. Amazingly easy and heat tolerant. Zone 7 *Cresson*
- Gos0050** *Gossypium herbaceum* LEVANT COTTON An./TenPer. Sun. 2-2½ x 1½'. Summer-Fall.  
2515 Light-pink flowers. Friends and family love to see the cotton emerge after flowering. Zone 6 *Doblmaier*
- Gos0150** *Gossypium hirsutum* 'Red Foliated' RED-FOLIATED COTTON An. Sun. 3-5'. Summer.  
0522 Shell pink, hibiscus-like flowers. When bolls mature, white cotton appears. Deep maroon leaves. Annual. Source: Putnam Hill Nursery. *Kushner*  
2515 Pink flowers. Leaves, flower buds and stems are reddish-tinged. Interesting accent plant, especially after flowering when the cotton emerges. Zone 6 *Doblmaier*
- Gym1550** *Gymnaster savatteri* 'Edo Murasaki' FALSE ASTER Perennial. Pt. Sun/Pt. Shade. 15" x 12". Spring/Summer.  
0199 Dark lavender blue flowers. Neat clumps with dark green basal foliage and masses of intensely colored daisies on stout branched stems. Reblooms some through summer. Japanese. Zone 7 *Cresson*
- Hac1000** *Hacquetia epipactis* BRASS BUTTONS Per. PtShade. 6 x 10". March/April. Zone 5-7.  
0199 Yellow blooms. Per. PtShade/DecShade. 6 x 10". March/April. My first impression of this European herbaceous perennial was that it looked like winter aconite, but it is in the carrot family and stays green much of the summer. Easy to grow, clumps, and seeds a bit if groundcovers don't compete too much. Moderately moist soil. A welcome garden addition in early spring! Zone 7 *Cresson*
- Hal2500** *Halesia tetraptera* SILVERBELL Tree. Sun/PtShade. 30-40'. Spring.  
1277 White. May need several cycles for germination, warm first. Zone 6a *Haas*
- Hed1100** *Hedychium deceptum* BUTTERFLY GINGER TenPer. Sun/Pt.Shade. 3-4'. Late summer/Fall  
0032 Red Flowers. Rhizomatous. *Plant Delights*
- Hel0150** *Helenium autumnale* SNEEZEWEED Per. Sun/PtShade. 3-5 x 1½'. Fall.  
0032 *Plant Delights*
- Hel0400** *Helenium flexuosum* PURPLE-HEADED SNEEZEWEED Perennial, Full sun, 1'-3' tall, late summer.  
3177 Yellow flowers. Mid to late summer. To four feet tall here. Germ: NST Zone 7 *Gibson*



- Hel0750** *Helentium 'Red Jewel'* SNEEZE WEED Per. Sun. 3 x 1'. Summer.  
0592 Rusty red with dusting of yellow effect of anthers I find attractive even as blooms fade. Very prompt increase from divisions. I'm shifting most to "meadow" searched incessantly by various seed-loving sparrows. Zone 6 *Malocsay*
- Hel1400** *Helianthus giganteus* GIANT SUNFLOWER Per. Sun. 10 x 1'. Summer/Fall.  
0199 Light lemon yellow flowers. Clusters of daisy-like flowers on tall stems in September. Perfect for moist meadow or back of border to follow summer composites. Loved by goldfinches. Better behaved than 'Lemon Queen', not expanding by rhizomes. Zone 7 *Cresson*  
1277 Yellow flowers. Plant this perennial sunflower in a wild garden as it spreads rapidly. I cut it off in summer to keep shorter; it then blooms later. Zone 6a *Haas*
- Hel1600** *Helianthus grosseserratus* Per. Sun/PtShade. 15 x 4'. Fall.  
0199 Bright yellow, October bloom. Reputedly can reach an amazing 15-20'. Branched clusters of daisies 2-3" diameter. Perfect in a moist meadow among tall perennials or as a garden statement. This form originated in a ditch in Mississippi. A goldfinch favorite, making this seed difficult to collect for you! Zone 7 *Cresson*
- Hel1700** *Helianthus 'Lemon Queen'* Per. Sun. 8-10 x 8-10'. Summer-Fall.  
1277 Yellow-5' Zone 6a *Haas*
- Hel1800** *Helianthus maximiliani* PRAIRIE SUNFLOWER Per. Sun. 4-10 x 3-4'. Fall. Zone 4-10.  
0199 Bright yellow daisies atop stalks with narrow foliage. Sept-Oct. Zone 7 *Cresson*
- Hel5010** *Helleborus argutifolius* Per. PtShade. 4 x 3'. Winter/Spring.  
1999 Creamy, pale green flowers. Largest of the species hellebores, Corsican hellebore is appreciated for its evergreen, leathery leaves and winter bloom time. Germ: CMS, WMS Sow immediately upon receipt as seed loses vitality quickly. Soak seed in warm water for 48 hours, then subject to 30 days warm stratification followed by 90 to 120 days of cold moist stratification. Prolonged germination. Perhaps best sown outdoors. Zone 8a *Norfolk Botanical staff*
- 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*
- Hel6000** *Helleborus x hybridus* Per. PtShade. 1½ x 1½'. Winter-Spring.  
3321 Mixed green, white, purple, and pink blooms. Great early Spring flowering for 3 mo. Packed in moist vermiculite. Germ: CMS: 90 d, Soak: 2 d, R. Zone 6 *Perron*
- Hel6010** *Helleborus x hybridus* (Ashwood Gardens Hybrids- blacks) Per. Shade/Pt.Shade. 1½ x 1½'. Winter-Spring  
3001 Moist packed seed. Second generation seed from Ashwood Nursery UK. Germ: CMS 1-2 months. Zone 7 *Gregg*
- Hel6020** *Helleborus x hybridus* (Ashwood Garden Hybrids- dark yellow) Per. Shade/Pt.Shade. 1½ x 1½'. Winter-Spring Zone 4-9.  
3001 Moist packed seeds. Germ: CMS 1-2 months. Zone 7 *Gregg*
- Hel6030** *Helleborus x hybridus* (Ashwood Garden Hybrids- frosted) Per. Shade/Pt.Shade. 1½ x 1½'. Winter-Spring Zone 4-9.  
3001 Moist packed seed. Germ: CMS 1-2 months. Zone 7 *Gregg*
- Hel6040** *Helleborus x hybridus* (Ashwood Gardens Hybrids- neon) Per. Shade/Pt.Shade. 1½ x 1½'. Winter-Spring Zone 4-9.  
3001 Moist packed seed. Second generation from Ashwood Nursery UK. Germ: CMS 1-2 months Zone 7 *Gregg*
- Hel6050** *Helleborus hybridus* (Ashwood Garden Hybrids - veined picotee) Per. Shade/Pt.Shade. 1½ x 1½'. Winter-Spring Zone 4-9.  
3001 Moist packed seeds. Germ: CMS 1-2 months. Zone 7 *Gregg*
- Hel7150** *Helleborus x hybridus* (white) Per. PtShade. 1½ x 1½'. Winter-Spring.  
3001 White flowers. Moist packed. Germ: 1-2 Months Cold cycle. Zone 7 *Gregg*
- 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*

## Helleborus - Hemerocallis

- Hel7350** *Helleborus x hybridus* (yellow) Per. PtShade. 1½ x 1½'. Winter-Spring.  
3001 Yellow flowers. Germ: 1-2 Months Cold cycle. Zone 7 *Gregg*
- Hel7550** *Helleborus x hybridus* 'Sea Green' LENTEN ROSE Per. PtSun/PtShade. 12 x 18". Early Spring. Zone 4-9.  
0199 Green blooms. Per. PtSun/PtShade. 12 x 18". Early Spring. I will only say that this plant is a seedling in my garden, noteworthy for the intriguing sea-green color of the flowers and how they combine with the foliage, in a way I can't explain. Subtle and enchanting, drawing my eyes each year. Who knows what you will get? Zone 7 *Cresson*
- Hel7780** *Helleborus multifidus* Per. Shade/Pt.Shade. 1½ x 1½'. Winter-Spring  
3001 Green flowers. Moist packed seed. Germ: CMS 1-2 months. Zone 7 *Gregg*
- Hel7800** *Helleborus multifidus* subsp. *istriacus*  
0199 Light green blooms. Second generation from wild collected seed in Slovenia. 10-25 leaf segments. Zone 7 *Cresson*
- Hel7850** *Helleborus niger* CHRISTMAS ROSE Per. PtShade. 1 x 1½'. Winter-Spring.  
0199 White. From a fall blooming plant, these seedlings have the potential to live up to their name by blooming for Christmas. Germ: May be a year from seed. Zone 7 *Cresson*
- Hel8150** *Helleborus niger* 'Potter's Wheel' CHRISTMAS ROSE Per. PtShade. 1 x 1½'. Winter-Spring.  
0522 Lovely, white flowers that fade to pink. Germ: Last January, before she died, I wrote to Judith Tyler of Pine Knot Farms regarding storing hellebore seed in the fridge. She responded that she stores hers in perlite because vermiculite is tricky--too much and it turns into a slimy mess, too little and it is just dust. *Kushner*
- Hel8200** *Helleborus niger* (semidouble form) CHRISTMAS ROSE Per. PtShade. 1 x 1½'. Winter-Spring.  
0199 White flowers. Well formed semidouble flowers with the nectaries transformed into a neat central ring of white petaloides. Zone 7 *Cresson*
- Hel9250** *Helleborus torquatus* Per. Shade/Pt.Shade. 1½ x 1½'. Winter-Spring  
3001 Dark purple flowers. Moist Packed seed. Second generation plants. Seed from Phedar Nurseries, UK. Germ: CMS for 1-2 months. Zone 7 *Gregg*
- Hel9800** *Helontias bullata* SWAMP PINK Per. Sun/PtShade. 6-12 x 6"; from 12-18 in bloom. Spring.  
0199 Pink flowers with blue stamens. A cherished native now becoming scarce. Continuously moist soil. Tall spikes of pink flowers. Zone 7 *Cresson*
- Hem0050** *Hemerocallis altissima* Per. Sun/PtShade. 5'. Midsummer/Fall.  
0507 Butter yellow gold flowers. Tall and floriferous. Zone 7 *Kolo*
- Hem0090** *Hemerocallis* 'Bitsy' Perennial. Full sun-Partial Shade. 1-1/2' tall. Summer.  
0507 Soft yellow flowers. This is the most delicate of all the day lilies. Early mid-season bloom, very narrow foliage. Zone 7 *Kolo*
- Hem1020** *Hemerocallis* 'Corky' DAYLILY Per. Sun/PtShade. 2'. Summer. Zone 4a-9b.  
0084 Yellow flowers. From hybrid parent, which is my favorite small daylily, with mahogany-striped, yellow flowers. *Bowditch*
- Hem2260** *Hemerocallis* 'Frans Hals' Per. Summer.  
0507 A beautiful old-fashioned bicolor. Zone 7 *Kolo*
- Hem2850** *Hemerocallis middendorffii* DAYLILY Per. Sun. 15 x 18; to 30" in bloom. Summer.  
0507 Gold flowers. Nice species daylily with small, beautifully formed trumpets. Deadhead daily in the morning for best display. I sometimes confuse it with ~*H. longituba*~ but I'm almost certain this is the correct name. They are in close proximity and labels long gone. Of the two plants, this is the more vigorous. Zone 7 *Kolo*
- Hem3000** *Hemerocallis mix* HYBRID DAYLILIES Per. Sun. 2-3 x 2'. Summer.  
0507 DIPLOID HYBRIDS. Golds, yellows, and bicolors. The classic old-time garden hybrids in typical flower size and height. Zone 7 *Kolo*
- Hem3650** *Hemerocallis* 'September Sun' DAYLILY Per.  
0200 Yellow daylily flowers. Parent is a 6', very late-blooming daylily (August-October). Germ: D; SR. Zone 7 *Creveling*

- Hem3800** *Hemerocallis* 'Stella de Oro' DAYLILY Per. Sun. 12 x 18'. Summer.  
5082 Yellow blooms. I believe the daylilies are 'Stella D'Oro'. Germ: 35 d. Store in paper envelope in a cool dry place. Late winter put seeds between damp paper towels in a plastic baggie and refrigerate for 4 wk. Then plant seeds in pots and until tall enough to plant in garden. Zone 6b *Smith, C*
- Hem4000** *Hemerocallis thunbergii* THUNBERG'S DAYLILY Per. Sun. 3½ x 3'. Summer.  
0199 Golden yellow flowers. Blooms in August, later than most hybrids. Foliage holds up all summer. A good landscape plant. From Korean Collection. Zone 7 *Cresson*
- Hep1000** *Heptacodium miconioides* SEVEN-SON FLOWER TREE  
1277 White flowers. Large shrub to 15'; mottled bark; fragrant blooms; red calyxes in October look like flowers; sow seed when fresh. Germ: OW. Zone 6a *Haas*
- Het1000** *Heteropterys glabra*  
1999 Bright yellow summer flowers followed in autumn by ruby red, samara-like winged seeds. Choice woody vine from South America; this one always elicits comments from visitors. Germ: Soak in warm water for 48 hours, then sow at 70° for germination in about a month. A heat mat will speed things up. BC, BH Zone 8a *Norfolk Botanical staff*
- Heu1050** *Heuchera americana* 'Dale's Strain' Per. PtShade. 10 x 12"; to 1½' in bloom. Early Summer.  
2497 Cream flowers with a pinkish tint. East coast native. Small mounds of dark green foliage with silvery and deep red variegation. Lovely groundcover for shade. Zone 7b *Mackey*  
3397 Tiny, pink, inconspicuous flowers. Nicely variegated leaves, light green/silvery dark green. Nice ground cover for deep shade. Very easy to germinate. Zone 6b *Egberton*
- Heu2900** *Heuchera villosa* 'Purpurea' NATIVE CORAL BELLS Per. PtShade. 1 x 1'. Summer-Fall.  
0318 Creamy, off-white flower. Takes drought well. *Garnett*
- Hib0150** *Hibiscus aculeatus* PINELAND MALLOW Per. Sun. 4 x 2'. Summer.  
1999 Creamy primrose yellow petals with with a deep burgundy throat. Native drought-tolerant perennial hibiscus has fuzzy, palmately-lobed foliage and grows 3 feet tall. Pollinator-friendly plant. Germ: Soak seeds in hot water for 24 hours then sow at 70°F. Germination usually takes 7 to 14 days. BH: A heat mat hastens germination. Zone 8a *Norfolk Botanical staff*
- Hib0300** *Hibiscus coccineus* SWAMP HIBISCUS, SCARLET MALLOW Per. Sun. 5-10 x 3-4'. Summer-Fall. Zone 6a-9b.  
0943 Per. Sun. 5-10 x 3-4'. Summer-Fall Red Flowers Zone 7 *Thomas*  
1999 Red, large, 6" diameter flowers. Can take wet soil. Attracts hummingbirds. Zone 8a *Norfolk Botanical staff*
- Hib0350** *Hibiscus coccineus* 'Albus' WHITE TEXAS STAR HIBISCUS Shrub. Sun/PtShade. 4-10 x 3-4'. Summer. Zone 6-11.  
1999 Pure white, star-shaped flowers with a central staminal column. Rare white-flowered form of our native ~H. coccineus, ~ comes true from seed. Attracts butterflies and wasps. Performs best in moist soil. Grows 4-6' tall in sun, is deer and humidity tolerant. Germ: Soak: 1 d. Cycle: Soak seeds overnight in warm water then sow at 75-80°F, expect germination in 14-25 d, BH, 25 d. Zone 8a *Norfolk Botanical staff*
- Hib0800** *Hibiscus grandiflorus* Per. Sun. 8 x 6'. Summer-Fall.  
1999 Large rose-pink five-petaled flowers with maroon throats. Beautiful, easily-grown native shrub with velvety leaves and seed pods. Attracts hummingbirds and butterflies. Prefers moist soil in a sunny location.. Germ: Soak in warm water overnight, then sow at 70°F. Expect germination in 8 to 10 days. W, NST. Zone 8a *Norfolk Botanical staff*
- Hib1300** *Hibiscus* 'Lady Baltimore' Per. Sun. 5x5'. Summer.  
0200 Pink with dark eye. Zone 7 *Creveling*
- 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. *Bartram's Garden*
- Hib1850** *Hibiscus militaris* ROSE MALLOW Per. Sun/PtShade. 5-6'. Summer.  
0045 A native, pink, two-tone, late summer-blooming hibiscus, to 4' at most. Two-tone pretty. Easy native perennial. Germ: Soak: 24 hr, NST. 90 d. Zone 6b7a *Bartlett*  
0199 Light pink flowers. A native that is ideal for naturalistic plantings, especially in wet soils. Distinctive three-lobed leaves. Long bloom in midsummer. Zone 7 *Cresson*

## Hibiscus - Hydrangea

- Hib2000** *Hibiscus moscheutos* PINK ROSE-MALLOW Per. Sun. 5+'. Late Summer.  
0943 Large pink to white flowers in summer Zone 7 Thomas  
9985 Pink or white blooms. Attracts hummingbirds. Germ: Scfy. We winter sow ours, but cold period not required. Zone 7a Jenkins Arboretum
- Hib2150** *Hibiscus moscheutos* subsp. *palustris* MARSH MALLOW Per. 5 x 5'. Summer.  
0199 Pink flowers. Plant in your garden or naturalize in wet areas. Minimally damaged by caterpillars compared to many other species and hybrids. Zone 7 Cresson
- Hib2800** *Hibiscus trionum* FLOWER-OF-AN-HOUR, VENICE MALLOW An. Sun/PtShade. 12 x 6". Summer-Fall.  
0592 Creamy yellow mallows with violet centers open much of the day. Intricate attractive pods. Easygoing good mixer, improvises pretty postures for itself. To 2' tall. Charming. Germ: Generous repeat self-sower. Zone 6 Malocsay
- 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
- Hip1100** *Hippeastrum* hybrid AMARYLLIS TenBulb. 2 x 1½'; from 2-6' in bloom. Spring.  
0507 A new red one, excellent shape blossom and a fine true red, grown in isolation and selfed, if that makes a difference. My foolproof method: after bloom when the weather warms put outside in a sunny spot, water well. Indoor foliage will yellow but new leaves will appear. In autumn, take it in and hold back water. Let it die down completely and hold in a darkened (this may be just superstition) place. When new shoot(s) appear, water and place in good light (direct sun not necessary.) Bloom will generally follow the leaves. I've kept them blooming for 10 yr sometimes. Zone 7 Kolo
- Hor0300** *Hordeum jubatum* FOXTAIL BARLEY GRASS, SQUIRREL-TAIL GRASS Perennial. Full Sun. 1'-2' tall.  
1999 Silky bristles start off a dusty coppery pink, then, at maturity fade to a buff color. Native, salt-tolerant cool season grass is very ornamental. Provides forage for birds. Low growing and dislikes competition from taller perennials. Germ: CMS for 60 days at 40°F, then surface sow. Seed requires moisture to germinate; SS; C; SIS; Can be sown in autumn in situ. Zone 8a Norfolk Botanical staff
- Hos1300** *Hosta kikutii* var. *yakusimensis* 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
- Hos1630** *Hosta plantaginea* Per. PtShade/Shade. 18-28 x 36-48". Late Summer.  
0199 White August blooms. The most fragrant hosta with the largest flowers make classic essential for every shade garden. Zone 7 Cresson
- Hos1800** *Hosta sieboldiana* var. *elegans* Perennial. Pt Shade. 2'-3'. Summer.  
0199 White/lavender flowers. Before the "hosta craze" began, this was a classic and still is. Large corrugated blue-green foliage with spikes of white tinged lavender flowers just above the foliage. Zone 7 Cresson
- Hos2400** *Hosta tardiflora* Per. PtShade. 6 x 10; to 8" in bloom. Fall.  
0199 Rich lavender flowers perfectly complement foliage color in October. An elegant species with glossy, dark green, pointed, firm textured foliage. Zone 7 Cresson
- Hos3000** *Hosta venusta* Per. PtShade/Shade. 1-3 x 6"; to 10" in bloom. Summer-Fall.  
0199 Lavender flowers. A fine dwarf species. Rogue out larger seedlings, which are hybrids. Zone 7 Cresson
- Hyd1250** *Hydrangea anomala* CLIMBING HYDRANGEA Vine. Sun/PtShade. 30-40 x 40'. Summer.  
0199 White blooms. Parent plant from wild collection in Huangshan, China and is the Chinese subspecies with oval leaves, less often seen than the Japanese ~subsp. *petiolaris*~, which is similar but has heart-shaped leaves. Zone 7 Cresson
- Hyd1450** *Hydrangea arborescens* subsp. *radiata* SMOOTH HYDRANGEA Shrub. PtShade. 5-6 x 6-8'. Summer.  
0199 White flowers. A desirable but scarce subspecies distinguished by felted, gray, stellate hairs beneath the leaves that give a silvery appearance. Lacecap flower heads. Toughness of the species. Gift of Josephine Henry who collected it on Wolf Mountain, NC. Zone 7 Cresson

- Hyd1650** *Hydrangea aspera* 'Mauvette' Shrub. Sun/PtShade. 10 x 10'. Summer.  
0199 More deeply lavender than 'Macrophylla'. In the Villosa Group of ~H. aspera~ with smaller leaves, but still dramatic. Zone 7 *Cresson*
- Hyd2000** *Hydrangea chinensis* Shrub. Pt. Shade/Shade. 4 x 4'. Summer. Zone 6.  
0199 White. Pure white lacecap flower heads on this species also known as H. umbellata. Smaller leaves than H. serrata and said to be more drought tolerant. Zone 7 *Cresson*
- Hyd2400** *Hydrangea heteromalla Bretschneideri Group* Shrub. Sun/PtShade. 15 x 10'. Summer.  
0199 Large shrub with large white lacecap flowers in early summer. Similar to ~H. heteromalla~ but has more pronounced exfoliating bark. From Rick Lewandowski's collection for Morris Arboretum near Beijing, China. So is quite hardy and grows well here. Zone 7 *Cresson*
- Hyd2700** *Hydrangea macrophylla* 'Tokyo Delight' BIGLEAF HYDRANGEA Shrub. Pt Sun/Pt Shade. 3'-6' x 3'-6'. Summer.  
0199 White/blue flowers. Made popular by Polly Hill, this lacecap has blue flowers surrounded by white sterile florets. Zone 7 *Cresson*
- Hyd3670** *Hydrangea quercifolia* 'Ruby Slippers' OAKLEAF HYDRANGEA Shrub. Sun/PtShade. 3-4' x 3-5'. Summer. Zone 5-9.  
1277 White blossoms. The Dept. of Agriculture, which hybridized this short cultivar, encourages gardeners to grow the seed and report the results back to them. Sow the seed on peat moss in a flat on a heat mat in mid-March, do not cover. They sprout like grass and grow on well. This cultivar has outstanding fall color and grows to just 3-4'. Germ: L. Zone 6a *Haas*
- 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*
- Hyd4300** *Hydrangea serrata* (Korean form) Shrub. PtShade/Shade. 3 x 4'. Summer.  
0199 Blue sterile flowers age purplish rose. Blooms June-July. Evenly moist soil. Hardier collection from Korea by Dick Lighty in the 1960s. Fred McGourty reported this hardy in Zone 4, NW CT, possibly the hardest blue hydrangea. Widens by rhizomes. Zone 7 *Cresson*
- Hyl3000** *Hylotelephium telephium ssp. ruprechtii* 'Hab Gray' STONECROP Perennial. Sun. 12" x 18". Summer-Fall.  
0199 Creamy white flowers. If you love gray foliage, try this gray foliage sedum with pink tints and burgundy stems. A useful gray which doesn't melt out in our summers! Zone 7 *Cresson*
- Hyp1250** *Hypericum frondosum* 'Sunburst' GOLDEN ST. JOHN'S WORT Shrub. Sun/PtShade. 2-4 x 2-4' +. Summer.  
0199 Yellow blooms. Deciduous native rounded shrub with blue-green foliage and reddish brown exfoliating bark. Large, bright yellow flowers May-June, 3-4 x 3-4'. Sun/PtShade, drought tolerant. Tetraploid cultivar that should come true from seed. The most attractive native Hypericum. Zone 7 *Cresson*
- 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*
- Hyp1600** *Hypericum kalmianum* 'Blue Velvet' ST. JOHNSWORT Shrub. Sun/PtSun. 2-3 x 3-4'. Summer. Zone 4-10.  
0199 Yellow blooms. Compact dome of blue foliage and small yellow flowers through much of summer. Tough native shrub for heat and drought. Zone 7 *Cresson*
- Hyp1850** *Hypericum latisepalum* 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*
- Hyp2450** *Hypericum tomentosum* ST. JOHN'S WORT Per. Sun. 1 x 2'. Summer.  
0199 Yellow flowers. Many small flowers over long time in summer. Gray foliage. Flops in rich soil, but great in poor soil or wall crevice. Tough, easy and scarce. Plant originally from Tony Avent. Zone 7 *Cresson*

## Ilex - Ipomoea

- Ile0950** *Ilex pedunculosa* LONGSTALK HOLLY Shrub. Sun/PtShade. 15'x10'. Zone 5.  
0199 Spineless evergreen holly from China/Japan. Prominent red fruit hangs on long stalks among the leaves. Zone 5 hardiness. Zone 7 *Cresson*
- Ile1500** *Ilex verticillata* 'Winter Red' WINTERBERRY Shrub. Sun/PtShade. 6-10 x 6-10'. Spring.  
1277 Red berries. Shrub to 10'. Excellent for the winter color of the berries. Zone 6a *Haas*
- Ill1500** *Illicium floridanum* FLORIDA ANISE-TREE Shrub. 6-10'. Zone 6-9.  
0199 Red blooms. Good substitute for rhododendrons. Heavy flowering in May, continuing intermittently into fall. Zone 7 *Cresson*
- Imp3000** *Impatiens namchabarwensts* BLUE DIAMOND IMPATIENS, SAPPHIRE JEWELWEED TenPer. 18 x 18". Fall.  
0965 Helmet shaped flowers appear on self-sowing plants in late summer and fall. May bloom in early summer if established by spring. A lovely filler with nearly true blue flowers. Germ: NST; BC; BH. Zone 7a *Umpbrey*  
3436 Blue/purple blooms. Scatter seed outdoors on mineral soil in fall to germinate in spring. Moderately deer resistant. 2-3'. Self sows. Germ: R, OW, SS, SIS. Zone 7a *Silberstein*
- Ind1400** *Indigofera amblyantha* Shrub. Sun/PtSun. 4-6 x 6-8'. Spring-Summer-Fall.  
0239 Good, delicate pink flowers for most of summer and into fall. Graceful unusual shrub. Germ: Soak 1 d; W; BC; 21 d. 190 °F water produced best results. SIS. Zone 6 *Doering*
- Ind1500** *Indigofera heterantha* HIMALAYAN INDIGO Per. Sun. 4 x 4'. Summer-Fall.  
1999 Spires of rose-purple pea flowers. The nectar-rich flowers attract bees and butterflies. Native to dry sunny slopes in the Himalayas, this hardy shrub has blue- green, pinnate foliage and consorts well with old -fashioned roses. Blooms on new wood so can be pruned to the ground in late winter. Recipient of a Royal Horticultural Society Award of Garden Merit (AGM). Germ: To scarify seeds, pour hot (nearly boiling) water over seeds and leave till cold, then sow at 70°F. Germination will occur in two to three weeks. W. Zone 8a *Norfolk Botanical staff*
- 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* ELECCAMPANE Per. Sun. 1 x 1-2'; from 5-8' in bloom. Spring-Summer.  
0199 Yellow flowers. This bold European daisy has large basal leaves and blooms early summer, unlike our later blooming native daisies. Grows in my meadow but is also good at back of border. Zone 7 *Cresson*  
0943 Per. Sun. 1 x 1-2'; from 5-8' in bloom. Spring-Summer yellow flowers Zone 7 *Thomas*  
2517 Yellow 2" flowers with many rays; thrives in moist soil but will tolerate dry also. Perennial herb blooming Spring-Summer. Germ: NST. Zone 7 *Weaver*  
3321 Yellow flowers. A sun lover. Germ: W, SS, NST, 90 d. Zone 6 *Perron*
- Ipo1350** *Ipomoea* 'Chocolate Rose Silk' HYBRID MORNING GLORY TenVine. Sun/PtShade. 3-20'. Late Spring-Fall.  
0522 Chocolate blooms with a white picotee edge on a vine with variegated foliage. Large, showy flowers on a must have morning glory. Good bloomer. Source: Summer Hill Seeds. *Kushner*
- Ipo2350** *Ipomoea lobata* SPANISH FLAG An. Vine. Sun. 15-20'. Summer/Fall.  
0200 red-orange-yellow-white slender tubular flowers Zone 7 *Creveling*  
0592 Peculiar tubular blooms, not trumpets. Red shading through orange to yellow--on show day and night. Designed for moths, though hymenoptera do their best. Hummingbirds fiercely possessive. Supplemental water makes for huge coverage needing steady support. Ratty by September, even as bloomshow makes it impossible to take down. Seems to tolerate light frost. Picks very well. Zone 6 *Malocsay*
- Ipo2550** *Ipomoea x multifida* CARDINAL VINE An. Vine. Sun. 8-10 x 3'. Summer-Fall.  
0590 Red flowers. Zone 7a *Mahony*

- Ipo2720** *Ipomoea pes-caprae* subsp. *brasiliensis* RAILROAD VINE, GOAT-FOOT MORNING GLORY, BAYHOPS, BEACH MORNING GLORY Annual, 7'-15' vine, Full sun, summer.  
1999 Lavender funnel-shaped blooms accented by a darker purple throat. Creeping annual vine indigenous to Florida, Hawaii, Texas, South Carolina and coastal Georgia. Makes a great groundcover, and is useful for controlling erosion in coastal areas. Bees adore it! Tolerant of drought, wind, salt spray and heat. Germ: Seeds do not require a dormant period before sprouting. However, the seed coat is impermeable to water and must first be abraded by sandpaper before the seeds will germinate; W; 14-21 days germination time. Zone 8a *Norfolk Botanical staff*
- 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.  
0199 Scarlet-salmon flowers. Tall spike with feathery foliage. After mild winter, fall germinating seed blooms in spring. More often, spring germination blooms late summer. Allow to self-sow. Zone 7 *Cresson*
- Iri1050** *Iris domestica* BLACKBERRY LILY LEOPARD LILY Per. Sun/PtShade. 1½-3 x 1-4'; from 2-4' in bloom. Summer. Zone 4-10.  
0199 Orange-yellow, spotted with maroon flowers. Three feet tall, branched stems with many spotted yellow-orange flowers in midsummer. Seedpods split to reveal round black seeds that hold into late fall. Zone 7 *Cresson*  
0522 *Kushner*  
3132 Orange flowers in summer developing to ornamental seed pods that resemble blackberries. Spear-like iris leaves remain attractively green into fall. Germ: NST, SIS. Zone 7a *Axel*
- Iri1055** *Iris domestica* 'Gone with the Wind' BLACKBERRY LILY Per. Sun. 5-7'. Summer-Fall. Zone 5-8.  
0032 Yellow blooms with light orange speckles. Seeds from plants from the Atlanta BG, a seed strain that gets 5' tall Germ: W, BC, NST. *Plant Delights*
- Iri1060** *Iris domestica* 'Hello Yellow' YELLOW BLACKBERRY LILY Per. Sun/PtShade. 1 x 1'. Summer.  
0065 Yellow flowers. Germ: OW; NST; Raised from seed overwintered in a cold frame. *Berger*  
0522 Lovely, clear yellow flowers. *Kushner*
- Iri1070** *Iris domestica* hybrid  
0045 Combinations of yellow, purple, red, and orange blooms from May-June in full sun, to 24". Easy to grow. ~Iris domestica~ x ~Pardancanda norrisii~. Germ: NST. 90 d. Zone 6b7a *Bartlett*
- Iri1750** *Iris ensata* (white, single) Per. Sun. 3'. Summer.  
0199 Pure white, single, flat flowers. Prefers moist soil. Zone 7 *Cresson*
- Iri2200** *Iris foetidissima* var. *citrina* STINKING GLADWYN Per. Sun/PtShade. 3'. Spring.  
0199 Yellow flowers in May. Primary feature is the pods, which open in October and November to display bright orange seeds. Evergreen foliage. Likes dry shade! Rare, yellow form much more attractive than the normal form with lavender-brown flowers. Perfectly hardy here since 1990. Zone 7 *Cresson*
- Iri2500** *Iris graminea* Per. Sun/PtShade. 8-12 x 12". Spring.  
0199 Purple and violet flowers. A dwarf spuria iris with attractive veining on flowers. Blooms in May. Fruity scent. Native to Europe. Zone 7 *Cresson*
- 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*
- Iri4400** *Iris sibirica* SIBERIAN IRIS Per. Sun. 3 x 3'. Early Summer. Zone 3+.  
0507 Deep lavender flowers. An open cross which seeded in the garden. Vigorous but not rampant, medium height, very beautiful. Zone 7 *Kolo*
- Iri5850** *Iris species* Per. Sun. 3 x 2'. Late Spring-Early Summer.  
1277 Dark blue purple. Less than 1' tall; I believe this to be ~Iris pumila~; sets seed every year. I grow plants which are robust and bloom fairly quickly. Germ: CMS, OW. Zone 6a *Haas*

## Iris - Lablab

- Iri6300** *Iris tectorum* JAPANESE ROOF IRIS Per. Sun/PtShade. 12 x 36"; to 18" in bloom. Spring.  
0199 Purple flowers. Drought tolerant and good for foliage and flowers. Zone 7 *Cresson*  
3321 Blue or white blooms. Germ: Easy to germinate. Zone 6 *Perron*
- Iri6400** *Iris tectorum* 'Alba' JAPANESE ROOF IRIS Per. Sun/PtShade. 12 x 12". Spring.  
0045 Large, white blooms at 12-18" in May. Could be the easiest species iris, and one of the best. Germ: NST. Comes true from seed and flowers in 2-3 yr. Zone 6b7a *Bartlett*
- Ite1600** *Itea virginica* 'Merlot' MERLOT SWEETSPIRE Shrub. Sun/Pt.Shade. 3 x 4'. Summer Zone 5-9.  
3397 White flowers. Nice fall color, reds and oranges. Zone 6b *Egberton*
- Jun1000** *Juncus effusus* f. *spiralis* SPIRAL SOFT RUSH Per. Sun. 12-18 x 12-18" Moist to wet soil. Zone 4-9.  
0592 Foliage interest. Pot in my small pond sows around nearby, in tight spots where it toughs it out small. Sows mostly twisty. Pot in pond spays out 2 feet high. I remove stray reversions to straight leaf. Germ: NST. Zone 6 *Malocsay*
- Kal1050** *Kalimeris incisa* BLUE STAR ASTER Per. Sun/PtShade. 2 x 1'. Late Summer-Fall.  
0239 Lavender blooms through most of summer into early fall. Very dependable and ornamental for a long time! Germ: CMS; BH; BC. Zone 6 *Doering*
- Kal1350** *Kalmia latifolia* MOUNTAIN LAUREL Shrub. PtShade. 5-15 x 5-15'. Spring. Zone 4-9.  
1939 Light pink blooms from May to June. Germ: BH. Seed with peat and lights. Plants prefer excellent drainage, acid soils, and (some) winter shade. *Urffer*
- Kei1000** *Keiskeia 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*
- 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 too small house. Germ: CMS: 40 d. Zone 6b7a *Bartlett*
- Kos1250** *Kosteletzkya virginica* VIRGINIA MALLOW, SEASHORE MALLOW Per. Sun. 4-5 x 3'. Late Summer-Fall.  
0522 Pink flowers. Best planted in groupings, as these are not meant to be specimen plants. Have mine planted in bogs alongside Joe-Pye weeds and pink ~*Asclepias incarnata*~. Germ: NST; BH 7-10d. *Kushner*  
2497 Pink blooms. Grows well and flowers in deciduous shade. Nice to find a showy pink flower that tolerates shade. Germ: OW. Zone 7b *Mackey*
- 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. *Plant Delights*
- Kos2000** *Kosteletzkya virginica* 'Immaculate' VIRGINIA MALLOW, SEASHORE MALLOW Per. Sun. 4-5 x 3'. Late Summer-Fall.  
0032 Garden Location: Musa 'Panay Island' *Plant Delights*
- Lab1050** *Lablab purpureus* HYACINTH BEAN An. Vine. Sun. 9'+. Summer-Fall.  
1999 Purple flowers followed by colorful glossy purple seed pods. Annual fast-growing vine with dark green, heart-shaped leaves tinged with maroon undertones. The flowers and seed pods are useful in arrangements. Germ: Soak in hot water for 24 hours; repeat procedure on any seeds that have failed to imbibe water. Sow at 70 , expect germination in 7 to 14 days, W. Zone 8a *Norfolk Botanical staff*  
3616 Pink to Purple flowers. Exotic and tropical-looking Hyacinth Bean vines flaunt gorgeous sprays of amethyst and violet blossoms, borne on striking purple stems throughout warm summer weather. The rich hued flowers mature into shiny, flat 3-inch pods that hang like purple patent leather ornaments against the dense canopy of twining foliage. Germ: Sow indoors 4 weeks before last expected frost in individual pots of seed starting mix. Cover 1 inch deep and keep warm and moist as seedlings emerge over 7 to 10 days. Provide a strong light source until seedlings are ready to plant outdoors. Transplant very carefully once nights stay above 50°F (10°C) before plants get too crowded. Space seedlings 6 to 8 inches apart. Avoid disturbing roots as much as possible when transplanting. *Matlack*
- Lab1060** *Lablab purpureus* *albus* HYACINTH BEAN An. Vine. Sun. 9'+. Summer-Fall.  
0200 White blooms on annual vine to over 9'. Germ: SIS, NST. Zone 7 *Creveling*



- 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*
- Lag0300** *Lagerstroemia indica* CRAPE MYRTLE Shrub. Sun.  
1939 Bright pink flowers in August. Germ: CMS 6-8 weeks *Urffer*
- 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. *Kushner*
- Lat2700** *Lathyrus vernus* 'Alboreus' HARDY SWEET PEA Per. Sun/PtShade. 8-12 x 12". Spring.  
0200 Pink and white flowers on spring-blooming, bushy perennial to 1'. Germ: Scfy, BH. Zone 7 *Creveling*
- Leo4000** *Leonurus sibiricus* SIBERIAN MOTHERWORT, HONEYWEED Per. Sun. 4-6'. Midsummer.  
0118 Pale pink blooms. Biennial to 6'. Branching stems heavy with small, tubular blooms in dense, axillary whorls. Pinnately divided, deep veined, dark green leaves. Small black nutlets follow. Germ: SS, NST. Zone 5a *Stonecrop Gardens*
- Les1300** *Lespedeza bicolor* 'Island Dwarf' Shrub. Sun. 3 x 3'. Summer.  
0199 Light pink flowers. Dwarf form collected on island of Yakushima, Japan. Introduced by Barry Yinger. Good for rock garden. Drought tolerant. Repeats. Zone 7 *Cresson*
- 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*
- Ley2000** *Leycesteria formosa* Golden Lanterns® HIMALAYAN HONEYSUCKLE, PHEASANT BERRY Per. Sun/PtShade. 4-6'. Summer.  
0522 Eye-catching, yellow-green foliage on this shrub cultivated in England. Dark burgundy bracts and berries. Amber-tinted new growth. Sources: Digging Dog Nursery *Kushner*
- Lia1600** *Liatris microcephala* DWARF GAYFEATHER, DWARF BLAZING STAR Per. Sun. 12-18 x 6-12". Late Summer. Zone 4-7.  
3666 Lilac-pink. Drought tolerant, narrow leaves, 18 inches tall. Germ: CMS Zone 5 *McGowan*
- Lia2250** *Liatris scariosa* subsp. *nieuwlandtii* NIEUWLAND'S BLAZING STAR Per. Sun. 36 x 18". Late Summer-Fall.  
1999 Lavender-purple flowers on tall spikes, which bloom from the top downward. Makes an excellent cut flower and provides nectar for bees, hummingbirds, and butterflies. Songbirds relish the seeds. Hardy in Zones 3 thru 8. Germ: CMS: 60 d. W, 80 d. Zone 8a *Norfolk Botanical staff*
- Lia2500** *Liatris spicata* BLAZING STAR, GAYFEATHER Per. Sun/PtSun. 2-5 x 1½'. Summer-Fall.  
5082 Purple bloom. Germ: CMS: 50 d. 45 d. Start seeds indoors or direct sow. Zone 6b *Smith, C*
- Lia2600** *Liatris spicata* 'Floristan Weiss' Per. Sun. 2-5 x 1½'. Summer-Fall.  
5082 White flowers Zone 6b *Smith, C*
- Lig0030** *Ligularia dentata* GOLDEN GROUNDSEL Per. Sun. 3-5 x 3'. Summer.  
0239 Yellow-orange flowers. Flowers are not as important as the foliage texture. Prefers moist soil. Germ: W, NST Zone 6  
*Doering*
- Lig0250** *Ligularia dentata* 'Othello' LEOPARD PLANT Per. Sun/PtShade. 30 x 30"; to 4' in bloom. Summer-Early Fall.  
2137 Yellow flowers. Plants form a clump of large, rounded dark-green leaves with a purple backside. Taller stems appear in June, bearing clusters of bright golden orange daisy flowers. Germ: Cycle: Alternate cold and warm periods. Use repeated cycles of 68°F, then 32°F for 3 months each. Germination is very prolonged. Zone 6b *Boylan*

## Ligularia - Lobelia

- Lig1050** *Ligularia fischeri* Per. PtShade/Shade. 5 x 3'. Fall.  
0199 Yellow daisy flowers in spikes above large green kidney-shaped leaves come as a delightful surprise at end of summer. Keep constantly moist and out of hot sun. Japanese native, also Korea, China, Siberia. Zone 7 *Cresson*
- Lig1340** *Ligularia japonica* 'Chinese Dragon' Per. PtShade. 3 x 4'. Summer. Zone 4-8.  
0522 Yellow-orange blooms on nice-clumping, cutleaf variety. Perfect bog plant. Mine bloomed in mid-June on 4' spikes. Source: Plant Delights. *Kushner*
- Lil1570** *Lilium concolor yellow flower form*  
0032 Shikoku Yellow Flower. *Plant Delights*
- Lil1700** *Lilium formosanum* FORMOSA LILY, TAIWAN LILY PerBulb. Sun/PtShade. 6-8 x 1½'. Late Summer-Fall. Zone 6+.  
0032 Giant form. Germ: BC. *Plant Delights*  
0045 White flowers on tall stem- to 6'. Easy trumpet lily. Zone 6(5?) hardy Germ: No special treatment. Epigeal immediately! Often flowers second year. Zone 6b7a *Bartlett*
- Lil1950** *Lilium henryi* HENRY'S LILY PerBulb. Sun/PtShade. 2-10' x 8". Summer-Fall.  
0965 A tall orange-colored Turk's cap lily that performs well in shade, multiplying to create large clumps. May need staking. Zone 7a *Umpbrey*
- Lil1955** *Lilium henryi 'Lady Alice'* Perennial Bulb. Full Sun. 3'-4' tall. Mid-Late Summer.  
0507 White flowers with a touch of canteloupe. I find the henryi lilies arch over until the blossoms are at ground level. They are superb on a balcony. Zone 7 *Kolo*
- Lil2850** *Lilium martagon 'Claude Shride'* PerBulb. Sun/PtShade. 3-5'. Summer.  
0200 Dark red flowers. Blooms early summer. Zone 7 *Creveling*
- Lil2950** *Lilium martagon 'Orange Marmalade'* PerBulb. Sun/PtShade. 3-5. Summer.  
0965 Orange flowers. Delightful, small Turk's cap flowers appear on short plants in May/June. Seeds from a unique tall (4') plant. Zone 7a *Umpbrey*
- Lil3300** *Lilium regale* PerBulb. Sun/PtShade. 3-4 x 1'. Summer.  
0045 Blooms with white/yellow interior, dark exterior. Easy trumpet lily species. Epigeal immediate germination, which means easy. Lots of seed, grow a clump, flowers in 3rd or 4th year. Regal lily is easy from seed and spectacular in the garden. Probably the easiest lily to grow. Germ: NST. Zone 6b7a *Bartlett*  
0200 White trumpet with pink reverse bloom. Supposed to be 3-4', but mine is closer to 6'. Zone 7 *Creveling*
- Lil3380** *Lilium species* PerBulb. 1½-10 x 1½'.  
1277 Mixed bloom colors. I wait each late spring for the appearance of these beauties. They appeared in one of my pots purchased at a plant sale. I believe they may be ~Lilium~ x ~dahlansonii~, ~ a cross between ~L. martagon var. cattanae~ and ~L. hansonii~. The leaves are whorled. I now have about four and each one is a different color. Germ: Cycle: WMS 3 mo, CMS 3 mo, WMS 3 mo, CMS 3 mo. Zone 6a *Haas*
- Lil3400** *Lilium spectosum 'Fourth of July'* Perbulb. Sun/PtShade. 6'. Summer. Zone 5-9.  
0032 Reddish-pink flowers with white borders in mid-July. Tolerates heat and humidity. Very fragrant. *Plant Delights*
- Lob1250** *Lobelia cardinalis* CARDINAL FLOWER Per. Sun/PtShade. 1-3 x 1+'. Summer-Fall.  
0318 Red flowers. Germ: SIS. *Garnett*  
1277 Red flowers. Likes sunny, moist conditions but will take shade also. Hummingbird's favorite plant. Zone 6a *Haas*  
1607 Bright red flowers attract hummingbirds. Prefers sunny, moist conditions, but also does well in my drier garden in part sun. Zone 7a *Jellinek*  
2497 Scarlet flowers in late summer. North American native plant. Flowers well in shade. Zone 7b *Mackey*  
3436 Red blooms. Germ: SS, SR. Zone 7a *Silberstein*  
9985 Red blooms. Germ: OW; L; NST; 30 d. Zone 7a *Jenkins Arboretum*
- Lob1300** *Lobelia cardinalis 'Alba'* CARDINAL FLOWER Per. PtShade. 3 x 1-2'; to 4' in bloom. Summer.  
2608 White. This white sport was isolated several years ago. After a few seasons of rouging out the red ones, it now runs about 50% white. *Malarek*

- Lob1750** *Lobelia stiphilitica* GREAT BLUE LOBELIA Per. Sun/PtShade. 2-4 x 1'. Late Summer-Fall.  
 0239 Blue flower spike. Tough, reliable plant. Self-sows, but can be controlled. Germ: BH; BC; NST. Do not allow germinating seed to dry out. Plant will reseed around, but is a very pleasant addition and very controllable. Seeds open pollinated. Zone 6 *Doering*  
 1277 Dark blue flowers. Germ: CMS 3mo. Zone 6a *Haas*  
 1585 Mostly blue, some white flowers. Biennial in my garden. *Scofield*  
 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, *Biderman/Barron*
- Lun0060** *Lunaria annua* 'Chedglov' MONEY PLANT Biennial. Full Sun. 3' tall. Late Spring/Early Summer  
 0065 Lavender-purple flowers. Pods are great for dried decorations. Self-sows. Germ: OW; NST. *Berger*
- Lun2050** *Lunaria annua* var. *albiflora* 'Alba Variegata' VARIEGATED MONEY PLANT, HONESTY Bien. Sun/PtShade. 3 x 1'. Spring.  
 0199 White flowers. White-edged leaves. Variegation fades in summer heat. May germinate green, but will become variegated in spring. Zone 7 *Cresson*
- Lun4010** *Lunaria rediviva* PERENNIAL HONESTY, PERENNIAL MONEY PLANT Per. Sun/PtShade. 1½-2 x 2'; from 3-4' in bloom. Late Spring-Summer.  
 0522 Pale lilac blooms on a late-blooming lunaria with leaves that are finely toothed. As compared to the common ~*Lunaria annua*~, this plant is larger, but the flowers are smaller and more highly scented. Source: Odyssey Bulbs. *Kushner*
- Lyc2750** *Lychnis cognata* Per. Sun. 2½-3 x 1-1½'. Summer.  
 0199 Cantaloupe-orange flowers. Goes well with other fruit-colored flowers such as 'Stella d' Oro'. Reblooms some if deadheaded. Sprawling habit, but can be pinched. Native to Korea. A reliable perennial, prefers drier site. Zone 7 *Cresson*
- Lyc3050** *Lychnis coronaria* ROSE CAMPION, CATCHFLY An./Bien./Short-lived Per. Sun/PtShade. 2-3 x 1-1½'. Summer. Zone 4-8.  
 0507 Magenta. The best combo of magenta and silvery grey foliage. Can be cut to the ground 2 weeks after bloom fades. Germ: Self-sows; SIS; may need a few months of cold. Zone 7 *Kolo*
- Lyc3150** *Lychnis coronaria* 'Angel Blush' CAMPION, CATCHFLY Bien./Short-lived Per. Sun/PtShade. 2½ x 1½'. Summer.  
 0269 White with pink blush or all white blooms. This is a 1½-2'-foot tall biennial or short-lived perennial. Plants self-sow and come true from seed. This seed was collected from plants that were either typical 'Angel's Blush', white flowers with pink centers, or all white. Produces clumps of silver-gray, feltlike leaves. Germ: L, SS, SIS, NST. 30 d. Easy to start in pots as well. Plants self-sow with abandon, so cut back as flowers fade to reduce self-sowing. Also pull up older plants to make room for younger ones. Zone 7 *Ellis*
- Lyc3300** *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. *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*
- Lyc3750** *Lychnis viscaria* subsp. *atropurpurea* GERMAN CATCHFLY Per. Sun. 1-1½'. Spring. Zone 3-8.  
 2429 Dark pink flowers in early summer on leafless stalks over low basal foliage. Nice in a trough, rock garden, or border edge. Germ: W, SS, NST. Zone 6 *Bricker*
- Lyc5000** *Lycopersicon esculentum* 'Polish Linguisa' An. Sun. 36-40 x 24-36".  
 0199 Yellow blooms. Not just any tomato, but the best heirloom! A large paste variety with virtually no juice, that is so flavorful and sweet that we eat them all fresh; superb on a sandwich, in salads and omelettes. Of course you could try it on pasta too. You'll be a convert! Indeterminate. Zone 7 *Cresson*
- Lyc1020** *Lysimachia atropurpurea* 'Beaujolaits' Per. Sun/PtShade. 18 x 12". Summer.  
 0199 Claret-purple flowers. Short-lived perennial with glaucous foliage and flowers spikes over long period. Zone 7 *Cresson*

## Lysimachia - Musa

- Lys1750** *Lysimachia minoricensis* Bien. Sun. 1 x 3; to 12-15" in bloom. Summer.  
0199 White flowers. This endemic of the South island of Menorca is now extinct in the wild but has shown remarkable adaptability to gardens. A biennial forming rosettes of attractive white veined leaves, then a single stem with small white flowers. Persists by self-sowing, especially among rocks. Easy and nice, always attracting attention. Help save this rare species. Zone 7 *Cresson*
- 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. 90 d. Zone 6b7a *Bartlett*
- Mag1750** *Magnolia sieboldii* Shrub. Sun/PtShade. 25 x 40'. Spring-Summer.  
0045 White blooms with pink centers. Vigorous, shrubby, Asian magnolia species. Very hardy. Long flowering period. Small enough for any garden. Fast growing. Germ: NST. 90 d. Zone 6b7a *Bartlett*
- Mag5050** *Magnolia virginiana* SWEETBAY MAGNOLIA, VIRGINIA MAGNOLIA Shrub/Tree. Sun/PtShade. 28 x 20'. Summer-Fall.  
0045 White, 4-5", lemon-scented flowers for several weeks in late spring. One of our best native flowering trees--much underused. Suitable for any but the smallest garden, and will grow in a wide range of habitats. Very fast and easy to grow. Germ: NST. I cover with growers grit. Zone 6b7a *Bartlett*
- Man2020** *Manfreda undulata* 'Cherry Chocolate Chip' Per. Sun. 12". Mid-summer. Zone 7b-9b.  
0032 Yellow flower spikes. Dusty green, ruffled, rubbery leaves are spotted with purple and edged with a narrow white border. *Plant Delights*
- Man2100** *Manfreda virginica* Per. Sun. 2 x 2-4'; to 6' in bloom. Summer.  
0045 Yellow blooms. Essentially an herbaceous, hardy agave. From low rosette, flowering stem may grow to 8'. Flowers are clusters of yellow stamens. Give it a dry site. Germ: NST. Easy to grow. Zone 6b7a *Bartlett*  
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*
- Mim3010** *Mimulus cardinalis* SCARLET MONKEY FLOWER Per./TenPer. PtShade. 18 x 10". Summer.  
0045 Very pretty. Attracts hummingbirds. Germ: Sow on surface. Seed as small as dust Zone 6b7a *Bartlett*
- Mir1400** *Mirabilis jalapa* 'Limelight' FOUR O'CLOCK An./TenPer. Sun. 2'. Summer.  
0627 Chartreuse foliage and hot pink flowers quite a show-off in the garden. For those who love bold colors! These self-seed so beware! The planting method is simply to scatter Germ: NST. *McShane*
- Mol0500** *Molinia caerulea* subsp. *arundinacea* 'Skyracer' PURPLE MOOR GRASS Grass. Sun. 6-8 x 2-4'. Zone 5-8.  
2937 2-3' clumps of foliage with 6' airy bloom stalks. Nice yellow fall color. Zone 6a *Bittmann*
- Mor2000** *Morella pensylvanica* NORTHERN BAYBERRY, SWAMP CANDLEBERRY Shrub. Sun/PtShade. 5-12 x 5-12'. Spring.  
0239 Yellowish green male catkins, 1/2" long in spring. Upright rounded, suckering, semideciduous shrub with glossy, dark green, aromatic foliage and waxy gray fruit. A drought and salt tolerant plant. Germ: CMS 90 d; OW; BC; SR; 14 d. Waxy coat must be removed. (I have removed it from this seed.) Zone 6 *Doering*
- Muh0200** *Muhlenbergia emersleyi* BULL GRASS Per. Sun. 2-3 x 2-3. Late Summer. Zone 6-9.  
0032 Purple flowers on clumping grass with blue/green foliage. *Plant Delights*
- Mus0900** *Musa velutina* PINK VELVET BANANA Per./TenPer. Sun/PtShade. 6 x 8'. Summer.  
1999 Hailing from India, this hardy (when established in Zones 7b-10) banana produces abundant crops of velvety, pink-skinned fruit which peel themselves when ripe. Fun plant to add a tropical flair to the temperate garden. In colder regions it is wise to protect plants in winter with a leaf mulch around the stem. ~*Musa velutina*~ does well in containers. Germ: Scfy, Soak: 1 d, BH. Abrade seeds with sandpaper, then soak overnight in warm water. Sow at high temperatures and humidity, expect germination in 14-25 d. Zone 8a *Norfolk Botanical staff*

- Myo2000** *Myosotis sylvatica*  
3176 Bright blue flowers in spring on low-growing biennials. Germ: SIS, NST. Possibly start indoors for same season bloom. Self sows once established. Zone 7a *Maber*
- Myr0500** *Myrica pensylvanica* NORTHERN BAYBERRY Shrub. Sun/PtShade. 5-10 x 5-10'. Spring. Zone 3-7.  
1939 Gray, aromatic berries. *Urffer*
- Nan1050** *Nandina domestica* var. *leucocarpa* Shrub. Sun. 6 x 5'. Summer.  
0199 Just like the species, but with large bunches of light yellow fruit against bright green foliage. Lovely next to the red form or alone. Difficult to find, but when you see it, you'll love it! Zone 7 *Cresson*
- Nic0200** *Nicandra physaloides* 'Splash of Cream' VARIEGATED SHOO FLY PLANT An. Sun. 39" x 12". Summer.  
2515 Light purple blooms. Needs to have moister conditions than a full ornamental container to keep the leaves looking fresh. Zone 6 *Doblmaier*
- Nic0600** *Nicotiana langsdorffii* FLOWERING TOBACCO An. Sun. 2 x 3'. Summer.  
0200 Limegreen flowers on 2', summer-blooming annual. Zone 7 *Creveling*
- Nic1110** *Nicotiana Nancy Ondra* 's 'Green Mix' An. Sun/PtShade. 4 x 1'. Summer-Fall.  
1607 Green blooms. Great self sower. Attracts hummingbirds. From seed obtained from HPS Seed Exchange several years ago. Germ: BC; SIS, NST. Zone 7a *Jellinek*  
2429 Zone 6 *Bricker*
- Nic1270** *Nicotiana x sanderae* 'Perfume Deep Purple' TenPer. Sun/PtShade. 9-12". Summer. Zone 3-9.  
0965 Deep dramatic purple flowered annual, blooming well in summer heat and part shade. Germ: SS; BH Zone 7a *Umpbrey*
- Nic2750** *Nicotiana sylvestris* FLOWERING TOBACCO, GREAT WHITE TOBACCO An. Sun/PtShade. 12 x 18"; to 5' in bloom. Summer-Fall.  
0043 White. Lovely fragrance in the evening. Seeds around politely. *Biderman/Barron*  
0200 Fragrant white blooms on 4-5' stalk. Reseeds. Germ: SIS. Zone 7 *Creveling*
- Nic2800** *Nicotiana sylvestris* 'Only the Lonely' FLOWERING TOBACCO An. Sun/PtShade. 12 x 18"; to 5' in bloom. Summer-Fall.  
0084 Tall annual with fragrant, white flowers for partial shade. *Bowditch*  
0965 White flowers. Good late summer annual. Large paddle-like foliage and fragrant white flowers. Will reseed vigorously. Germ: SIS Zone 7a *Umpbrey*
- Nic4000** *Nicotiana* 'Tinkerbelle' FLOWERING TOBACCO An. Sun/PtShade. 3'. Summer-Fall.  
0043 Bi-color, bright green outer with pink/purple inner flower. Really like this plant. Habit- needs some staking. Up to 4' tall. Keeps blooming all summer into fall if cut back. Seeds around true to original plant. *Biderman/Barron*
- Nig1050** *Nigella damascena* LOVE-IN-A-MIST An. Sun. 8-12 x 8-12"; 12-18" in bloom. Summer.  
1277 Blue and white flowers. Self-sows nicely. Zone 6a *Haas*  
3176 Blue flowers. Old-fashioned annual with interesting seed heads Germ: SIS. Zone 7a *Maber*
- Nig1100** *Nigella damascena* 'Albion Black Pod' LOVE IN A MIST Annual. Full Sun. 1'-2' tall. Summer.  
3666 White flowers. Black Pods, self sows but not weedy. Zone 5 *McGowan*
- Nol1000** *Nolina lindheimeriana* D28-03 *Ingram TX* DEVIL'S SHOESTRING Per. Sun/PtSun. 20-36". Spring. Zone 6a-9b.  
0032 YuccaDo source seeds. Germ: W, BC, NST. *Plant Delights*
- Nys0300** *Nyssa sylvatica* BLACK GUM TREE, TUPELO Tree. Sun/PtShade. 70 x 30'.  
1999 Insignificant greenish-white flowers. Native U.S. shade or specimen tree with lustrous, deep green leaves that turn a fiery scarlet in autumn. Bees adore the flowers. Source of Tupelo Honey. The dark blue fruits are consumed by many species of birds and are also appreciated by humans who make jellies and jams. Germ: Soak in water for 24 hours, then cold stratify for 90 days at 40°F. Germination will begin when seeds are returned to 70°F. Zone 8a *Norfolk Botanical staff*
- Oen1650** *Oenothera glazioviana* 'Tina James' TINA'S MAGIC EVENING PRIMROSE Per. Sun/PtShade. 3-4'. Summer.  
0215 Yellow flowers. Germ: SS, SIS. Biennial. Sow in situ in summer for bloom the following year. Zone 7b *DeMarco*

## Oenothera - Paeonia

- Oen2650** *Oenothera stricta* EVENING PRIMROSE Per./Bien. Sun. 3 x 1'. Summer.  
0199 Soft yellow flowers flushed with pink. Biennial forming narrow leaved rosettes, then lax sprawling branched stems 2-3' long. 4" soft yellow blooms, evening to following morning for 3 months. Spent flowers become peachy red enhancing the effect. This is a Zone 7 *Cresson*
- Oen2800** *Oenothera versicolor* 'Sunset Boulevard' SUNDROP, EVENING PRIMROSE Per. Sun. 12-18".  
0199 Orange blooms. Bien. Sun. 2'. Summer. Day-blooming tangerine orange flowers about 1" in diameter along tall maroon stems over a long period from a basal rosette of narrow foliage. This is sold as a perennial when you can find it, but biennial is more realistic, so let it self-sow. Seeds attract finches, like most of this genus. Zone 7 *Cresson*
- Oph1200** *Ophiopogon umbriticola* MONDO GRASS Per. PtSun/Shade. 10". Summer. Zone 5-8.  
0032 *Plant Delights*
- Orb1050** *Orbexilum pedunculatum* var. *psoralioides* 'Nash' SAMPSON'S SNAKEROOT Per. Sun/Pt. Sun. 18". Late Spring. Zone 6-9.  
0032 Terminal spikes of tiny lavender flowers. Little known Baptista relative. *Plant Delights*
- Ori1500** *Origanum acutidens* ORNAMENTAL OREGANO Per. Sun/Pt.Sun. 12" x 12". Summer Zone 6-10.  
0032 Pink and green hop-like spikes. *Plant Delights*
- Orl1000** *Orlaya grandiflora* WHITE LACEFLOWER, MINOAN LACE An.  
0522 White. Sun-loving annual. Good cut flower. Delicate with large, flat-topped umbels. Height 2-3', width 24-30". Self-seeds in good growing conditions. Graceful but sturdy. *Kushner*  
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*  
2621 Elegant pure white umbels on 18-24" stems. Lovely early summer filler from Crete. Rich, well-drained soil. Germ: NST, SIS Zone 6 *Nachlas*
- Orn0200** *Ornithogalum candicans* SUMMER HYACINTH Per bulb. Sun. 2-4 x 2-3'. Late Summer. Zone 6-10.  
0032 White funnel-shaped fragrant flowers. *Plant Delights*
- Orn0500** *Ornithogalum longibracteatum* FALSE SEA ONION TenBulb. Sun. 2-3'. Summer.  
0032 *Plant Delights*
- Orn1030** *Ornithogalum pyramidale* STARS OF HUNGARY Bulb. Sun. 18"; to 2-3' in bloom. Summer.  
0199 White flowers with green stripes. Not weedy, but proving a good grower with tall, many flowered spikes in mid-late June. Zone 7 *Cresson*
- Oro1000** *Orostachys chanelletii* Per. Sun. 4-12" Zone 4-8.  
0032 Pink or white flowers. Cylindrical succulent leaves. *Plant Delights*
- Oro1100** *Orostachys minutus* Per. Sun. 1" Zone 4-8.  
0032 Small succulent. Forms 1" rosettes. Needs good drainage especially in winter. *Plant Delights*
- Osm1500** *Osmorhiza longistylus* ANISEROOT, SWEET ANISE Perennial. Partial Shade. 1'-3' tall. Spring.  
0269 White flowers. Native wildflower with lacy, white flowers in early summer that resemble Queen Anne's lace atop clumps of fragrant, licorice-scented foliage. Clumps are 2 to 3 feet tall and wide. Part shade to shade and rich soil. Germ: OW. Zone 7 *Ellis*
- Oxy0150** *Oxydendrum arboreum* SOURWOOD, LILY OF THE VALLEY TREE Tree. Sun. 20-30 x 10-15'. Summer.  
3666 White flowers. Medium size tree, good fall color. Germ: BC. SS. Zone 5 *McGowan*
- Pae1550** *Paeonia japonica* Per. Sun/PtShade/Shade. 18". Spring.  
0965 White flowers. Lovely, single white peony with yellow and red center for part to full shade. Goes dormant early but has showy seed pods before retiring. Zone 7a *Umpbrey*
- Pae3600** *Paeonia obovata* Per. Sun/PtShade. 2-3 x 2-3'. Late Spring.  
0065 Pink flowers. Germ: OW; NST *Berger*  
0200 Pink, single flowers. Gorgeous seedpods, can be slow to germinate. Germ: CMS. Zone 7 *Creveling*

- 3321 White blooms. Great woodland peony. Germ: Cycle: 70° for 3 mo, 40° for 3 mo followed by another 3 mo of 70°, SR. Keep in baggie until root radicle develops, then plant in pot. Zone 6 *Perron*
- 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*
- Pac4980** *Paeonia species* Per. Sun. 2-3 x 2; to 3' in bloom. Spring-Summer.  
1020 Zone 7 *Wiedorn*
- Pac4990** *Paeonia suffruticosa* TREE PEONY Shrub. Sun/PtShade. 4-5 x 4-5'. Late Spring.  
0045 Pink, rarely white blooms. Not easy, but think of the bragging rights, "I grew that from seed." Worth the effort. This seed is from a pink-flowered single seedling from a Rock's Variety peony. Germ: WMS: 70 d, then CMS, then WMS. Maximum germination: don't give up for at least 3 yr. Protect seeds and seedlings from mice. Tree peonies are quite doable from seed. Zone 6b7a *Bartlett*  
3001 Woody paeonia, parent white flowered. To 3-5 x 3-5'. Hardy zones 4-8. Germ: Soak: 24 d. Cycle. May have double dormancy if started indoors. Zone 7 *Gregg*
- Pap0350** *Papaver atlanticum* MOROCCAN POPPY Per. Sun. 8-12 x 12"; to 2' in bloom. Summer.  
0084 Pale orange flowers. Soft blue-green attractive foliage and long bloom season. *Bowditch*  
0592 Light orange blooms. Nice persistent rosette. Keeps blooming in spurts. Germ: SIS. Self-sows occasionally, despite competition. Zone 6 *Malocsay*
- Pap0480** *Papaver dubium* LONG-HEADED POPPY Annual. Full Sun. 18" tall. Summer.  
9968 Orange-red flowers. Annual, sun, well drained soil. H 18" T, Summer. flowers 2" across, finely cut green foliage, self sows regularly. Germ: SIS. Zone 7a *Roper*
- Pap1010** *Papaver orientale* ORIENTAL POPPY Per. Sun. 3 x 3'. Late Spring/Early Summer.  
0926 Bright red flowers. *Streeter*
- Pap1370** *Papaver orientale* 'Prince of Orange' ORIENTAL POPPY Annual. Full Sun. 2'-3' tall. Late Spring/Early Summer.  
1066 Dark orange flower with dark eye. Plant goes dormant after bearing huge tangerine flowers in spring. Germ: L; SS; SIS; RTP; Mix sand with seed when planting for more even distribution. *Marzocco*
- Pap2250** *Papaver rhoeas* CORN POPPY, FLANDERS POPPY An. Sun. 2-3 x 1'. Summer.  
0084 Red, pink, or white flowers. Blooms well until hot weather discourages flowering. Dislikes summer heat. Colorful annual poppy. Germ: SIS. Sow outdoors fall or early spring. Self-sows. *Bowditch*
- Pap2270** *Papaver rhoeas* (orange) CORN POPPY, FLANDERS POPPY An. Sun. 12-18 x 12-15". Spring-Summer.  
0199 Terracotta orange-red flowers. Self-sowing annual for June bloom in the cottage garden. Zone 7 *Cresson*
- Pap2320** *Papaver rhoeas* (red, burgundy) CORN POPPY, FLANDERS POPPY An. Sun. 12-18 x 12-15". Summer.  
0592 Very rich red, scarlet blooms. Germ: SIS. Self-sowing annual, happy anywhere. Zone 6 *Malocsay*
- Pap2350** *Papaver rupifragum* Per. Sun. 3 x 8"; to 18" in bloom. Summer.  
9968 Orange blooms. Perennial poppy. 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*
- Pap2800** *Papaver somniferum* (all colors) OPIUM POPPY An. Sun. 4 x 1'. Summer.  
0215 Coral blooms. Germ: SS, Rtp. Zone 7b *DeMarco*
- Pap3250** *Papaver somniferum* (coral, double) CARNATION POPPY An. Sun. 4 x 1'. Summer.  
0318 Deep-coral, double flowers. Germ: L; SS; SIS; Rtp. *Garnett*
- Pap3270** *Papaver somniferum* (coral, single) OPIUM POPPY An. Sun. 4 x 1'. Summer.  
0318 Germ: SS; SIS. *Garnett*

## Papaver - Peltoboykinia

- Pap3450** *Papaver somniferum* 'Lauren's Grape' CARNATION POPPY, OPIUM POPPY An. Sun. 2-4 x 1'. Summer.  
0084 Grape-purple flowers. Attractive foliage with dynamite purple flower and glaucous foliage. Comes true from seed.  
Germ: SIS. Sow outdoors spring or fall. *Bowditch*
- 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  
*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 6 *Doering*
- Pap3650** *Papaver somniferum* (pink, double) OPIUM POPPY An. Sun. 4 x 1'. Summer.  
0592 Fully double pink blooms. Striking. Germ: SIS. Rtp. SIS ASAP for bloom in June, self-sowing thereafter. Zone 6  
*Malocsay*
- 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. *Biderman/Barron*
- Par1650** *Paradista lusitanicum* ST. BRUNO'S LILY PerBulb. Sun.  
0199 White blooms. Small lily-like flowers along a tall spike. Strappy leaves at the base. Forms a clump in a sunny location with good drainage. A rare plant in cultivation and often confused with its close relative, ~*Anthericum*. ~ Southern Europe.  
5' tall. Zone 7 *Cresson*
- Par1900** *x Pardancanda norrisii* CANDY LILY Per. Sun. 1½ x 1'. Summer.  
0045 Mostly red and orange blooms, some blue, purple, or yellow. Easy to grow, some with curiously marked flowers.  
Germ: NST. Often flowers the second year. Zone 6b7a *Bartlett*
- Par2010** *Pardanthopsis dichotoma* VESPER IRIS Per. Sun. 3-4 x 1½-2'. Summer-Early Fall.  
0032 Collected on: 8/14/18. *Plant Delights*
- Par4010** *Paribentum integrifolium* WILD QUININE Per. Sun/PtShade. 2-4 x 1-2'. Summer-Fall.  
2429 Zone 6 *Bricker*  
3178 White flowers. Germ: CMS 60 days; R; OW. *Standen*
- Pas1050** *Passiflora incarnata* MAYPOPS, HARDY PASSIONFLOWER Per. Vine. Sun. 20'. Summer.  
0199 Purple-blue flowers. Native herbaceous vine with a very tropical appeal. Blooms July-September. Edible fruit in fall, tasty citrus-flavored juice. Zone 7 *Cresson*  
3176 Purple blooms. Fast-growing, native, perennial vine with beautifully intricate, tropical-looking flowers. Produces an edible fruit. Germ: NST. Soaking seeds in 5% alcohol/water solution for 24 hr may speed germination. Zone 7a *Maber*
- Pat1300** *Patrinia intermedia* Per. Sun/PtSun. 15 x 15". Spring-summer.  
0199 Yellow Flowers. This shorter species makes an attractive rock garden plant. Airy branched stems of yellow flowers above basal foliage. Blooms Mid-May into summer. Good here with morning sun and afternoon shade. Mountains of western China and central Asia. Zone 7 *Cresson*
- Pat2050** *Patrinia scabiosifolia* GOLDEN LACE Per. PtShade/Shade. 3-6 x 1½-2'; from 3-5' in bloom. Summer. Zone 5-8.  
0032 Yellow flowers. *Plant Delights*
- Pat2060** *Patrinia scabiosifolia* 'Nagoya' Per. Sun. 2-3 x 1-1½'. Summer-Fall.  
2621 Hot yellow, dill-like flowers. Perennial, 4' in bloom, blooms July into Oct, full to partial sun, moist and rich preferred soil, tough and easy plant. Germ: Cycle: Alternate cold and warm periods, 2 weeks of cold then warm. Zone 6 *Nachlas*
- Pat2100** *Patrinia villosa* Per. PtShade. 15 x 12". Summer.  
3666 White flowers. 5 to 6 foot late summer bloomer, good cut flower. Germ: CMS. Zone 5 *McGowan*
- Pel2050** *Peltoboykinia watanabei* Per. PtShade/Shade. 18 x 18". Late Spring.  
0199 Yellow blooms. Japanese woodland plant with greenish-yellow flowers in summer. Zone 7 *Cresson*



- 0239 Yellow blooms. Great plant for the woodland. The light yellow-green leaves light up the woodland. The bloom appears in late spring and is a pale yellow, bell-shaped flower in a terminal cyme. Unusual and interesting perennial for light shade/shade. Germ: W, NST. Zone 6 *Doering*  
 2137 Zone 6b *Boylan*  
 2429 Zone 6 *Bricker*
- Pen0250** *Pennisetum glaucum* 'Purple Majesty' CATTAIL, BULRUSH MILLET An. Grass. Sun. 3-4'. Summer-Fall.  
 1999 Insignificant flowers, but seed heads are a very showy purplish-brown and attract birds. Fast-growing annual ornamental grass comes true from seed. Has striking purple foliage and flowers; a favorite food of songbirds. Grow in groups for best effect. Seed heads make wonderful fall decorations. Germ: Soak: 24 hr. Soak in warm water for 24 hr prior to sowing. C, 21 d. Young plants are green. Stem and mid-rib of the foliage first turn purple after 6-8 leaves have developed. Zone 8a *Norfolk Botanical staff*
- Pen1600** *Penstemon albidus* WHITE PENSTEMON, WHITE BEARDTONGUE Perennial, 8-12", Late Spring, Full Sun  
 0239 White flowers in early summer. Foliage is a low green rosette all summer. Germ: CMS; 40 days germination time; BC; W; NST. Zone 6 *Doering*
- Pen3000** *Penstemon digitalis* FOXGLOVE, BEARD TONGUE Per. Sun/PtShade. 4 x 1½'. Summer.  
 1939 White with slight lavender *Urffer*  
 2497 White tubular flowers on strong tall stems flower early summer. Native to east coast. Dark green rosettes overwinter. Zone 7b *Mackey*  
 2937 Pale pink blooms. Seed are collected off 'Dark Towers', a pink-flowering hybrid with dark purple foliage. Hopefully some of the seedlings will share their parent's good looks. Zone 6a *Bittmann*  
 9985 White blooms. Germ: OW; L, SS; NST; 30 d. Zone 7a *Jenkins Arboretum*
- Pen3030** *Penstemon digitalis* 'Gold Foil' BEARD TONGUE Per. Sun. 3-4 x 1-2'. Spring. Zone 3-8.  
 0032 Sprays of white/lilac-pink tubular flowers. Gold foliage. *Plant Delights*
- Pen3150** *Penstemon eatonii ssp. exsertus* FIRECRACKER PENSTEMON Per. Sun/Pt. Shade. 2-3 x 3'. Spring-Summer Zone 4-8.  
 0032 Scarlet red tubular flowers attract hummingbirds. Germ: Stratify 40 degrees 1-2 months. *Plant Delights*
- Pen4550** *Penstemon hirsutus* var. *pygmaeus* DWARF BEARD TONGUE, DWARF PENSTEMON Per. Sun/PtShade. 3-4 x 12". Summer.  
 1607 Lavender/pink flowers. Germ: SS; W. Zone 7a *Jellinek*
- Pen4580** *Penstemon humilis* LOW BEARDTONGUE Per. 4-10". Sun/Pt.Shade. Early Summer.  
 0032 Violet blue to purple flowers. Germ: 60-90 days cold-moist stratification. *Plant Delights*
- Pen5160** *Penstemon procerus* SMALL FLOWERED PENSTEMON Per. Sun/Pt.Shade.. 4-12". Early to Mid-Summer Zone 3-7.  
 0032 Purple flowers. Germ: Cold moist stratification 60-90 days. *Plant Delights*
- Pen5190** *Penstemon Red Rocks*<sup>TM</sup> 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 6 *Doblmaier*
- Pen5300** *Penstemon smallii* SMALL'S BEARDTONGUE Per. Sun/PtShade. 6 x 6"; to 1' in bloom. Spring-Summer. Zone 6-8.  
 1277 White blooms with pink overtones. A very nice dependable penstemon for our area, though not very flashy. Germ: CMS 90 d. Zone 6a *Haas*
- Pen5600** *Penstemon tenuis* Per. Sun/PtSun. 18 x 12". Early Summer.  
 0032 *Plant Delights*
- 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*
- Per1700** *Persea liebmannia* MEXICAN REDBAY Tree, 25' tall; Sun; Spring. Zone 7a.  
 1999 Inconspicuous chartreuse flowers followed by blue fruit in autumn. Small evergreen tree native to Mexico. Zone 8a *Norfolk Botanical staff*

## Persea - Pollia

- Per2000** *Persea podadentia* 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.  
0199 Pink flowers. Large, heart-shaped leaves splashed with cream. Pink tassel flowers last months. Lush growth in rich soil with plenty of water. Self-sows year to year. Zone 7 *Cresson*  
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*
- Pet2200** *Petunia exserta* Per. Sun/PtSun. 2 x 2'. Summer. Zone 9b-11.  
2515 Red flowers. Zone 6 *Doblmaier*
- Peu1400** *Peucedanum verticillare* HOG'S FENNEL, MILK PARSLEY Per. Sun/PtSun. 6-10 x 2-3'. Summer.  
0032 Greenish white and yellow flowers on glaucous, purple stems, to 70-80". *Plant Delights*
- 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*
- Pha0550** *Phaseolus coccineus* 'Painted Lady' An. Vine. Sun. 6-8+ x 1½'. Summer-Fall.  
0200 Red and white flowers. A bicolor scarlet runner bean. Germ: NST. Zone 7 *Creveling*
- Phl0050** *Plomlis cashmirtiana* KASHMIR SAGE Per. Sun. 2-3 x 2'. Mid-summer.  
0199 Lilac-pink flowers. Felted flower spikes above large hairy grey-green spade-shaped foliage. Hardy, drought tolerant and prefers good drainage and air circulation. Zone 7 *Cresson*
- Phy0800** *Physostegia virginiana* OBEDIENT PLANT Per. Sun/PtShade. 3 x 2+'. Late Summer-Fall.  
3397 Pinky-purple flower color. Spreads steadily by rhizomes. Will stand sturdily most of the season but benefits from staking early on so it won't flop at the end when the flowers bloom. Can tolerate wet feet. Zone 6b *Egberton*
- Phy1250** *Phytolacca americana* POKEWEED Per. Sun. 10 x 3'. Late Spring-Midsummer.  
0032 *Plant Delights*
- Phy1300** *Phytolacca americana* 'Silberstein' VARIEGATED POKEWEED Per. Sun/PtShade. 3-4'. Late Spring-Midsummer.  
3436 Small pink/white flowers and purple berries. Scatter seed outdoors on mineral soil in fall to germinate in spring. Deer resistant. Germ: CMS, R, OW, SS, SIS, RTp, 21 d. Zone 7a *Silberstein*
- Pil1000** *Pilosella officinarum* MOUSE-EAR HAWKWEED Per. Sun/PtSun. 8-12' tall. Early Summer. Zone 6-9.  
0199 Forms a grey foliated mat of stoloniferous rosettes with lemon-yellow dandelion-like flowers in early summer. Good groundcover for a dry sunny site. Needs space. Zone 7 *Cresson*
- Pla2000** *Platycodon grandiflorus* BALLOON FLOWER Per. Sun/PtShade. 2-3' x 12-15". Summer.  
0318 Blue flowers. *Garnett*  
1277 Blue flowers, 2'. Zone 6a *Haas*  
5082 Purple blooms. Deer resistant. Germ: W, L, SR, 30 d. Zone 6b *Smith, C*
- Pol0250** *Polanisia dodecandra* DWARF CLEOME An. Sun. 2 x 1½'. Summer-Fall.  
0592 White flowers with orange anthers overcame my dislike of the sticky, skunky downside of ~*Cleome hassleriana*~. Long-lasting in bouquets--not for nosing. Zone 6 *Malocsay*
- Pol2010** *Pollia japonica* Per. PtShade/Shade. 2 x 1'; from 3-4' in bloom. Summer.  
1320 White flowers on fleshy leaved plant followed by black berries. Blooms in July. *Solow*  
3436 White flowers. Germ: BC; SR; Little blue berries. rhizomatous, spreads, but controllable. Zone 7a *Silberstein*

- Pol2700** *Polygonatum biflorum* SOLOMON'S SEAL Per. PtShade/Shade. 1-5 x 3'. Spring/Summer.  
0926 White flowers with green tips. Graceful arching woodlander with pendant flowers followed by blue fruit. Propagation slow, but worth the wait. Do not let the seed dry out before sowing keep moistGerm: CMS; Cycle 40°--70°--40°--70°; Sow ASAP. *Streeter*
- Pol2730** *Polygonatum biflorum* var. *commutatum* GIANT SOLOMON'S SEAL Per. PtShade/Shade. 4-6 x 2'. Spring/Summer.  
0951 White flowers. Very tall form originally from Blanchette Gardens, Carlisle, MA 20 years ago. *Tracey*  
1939 Green-white flower. Small bells that are clustered in a group. Likes shade. *Urffer*
- Pot2450** *Potentilla thurbert* 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*
- Pri2000** *Primula japonica* JAPANESE PRIMROSE, FAIRY PRIMROSE Per. PtShade. 12-15 x 15-18"; to 18-24" in bloom. Spring.  
1277 Zone 6a *Haas*
- Psc1000** *Pseudogynoxys chenopodioides* MEXICAN FLAME VINE TenVine. Sun. 6-12 x 3-6'. Summer- Fall. Zone 9-10.  
0200 Bright orange blooms on gorgeous, tender perennial, from cuttings, 10-15'. Cultivar 'Rio'. Germ: BH; L. Zone 7 *Creveling*
- Psc2000** *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. *Kushner*
- Pte0300** *Ptelea trifoliata* 'Variegata' VARIEGATED HOP TREE Shrub. PtShade. 15-20 x 12-15'. Summer. Zone 5-9.  
1277 White flowers. Unusual small tree from seed of the gold ptelea which mutated to a variegated form. Have not found this form listed in any book, so it is rare. They usually come gold. Zone 6a *Haas*
- Pyc3000** *Pycnanthemum tenuifolium* SLENDER MOUNTAIN MINT Per. Sun/PtShade. 2-3'. Summer.  
3666 White flowers. Pollinator plant, drought tolerant. Germ: CMS. Zone 5 *McGowan*
- Pyc4000** *Pycnostachys urticifolia* BLUE WITCHES HAT Houseplant - zone 9,10; Full sun; 1'-3' tall; Fall to Spring.  
1999 Terminal spikes of intense cobalt blue flowers open from the bottom up, giving the appearance of a witch's hat. Native to South Africa, hedgehog sage blooms from late fall to early spring. Makes an exceptional houseplant if fertilized regularly. Flowering is dependent on short day length. Can be hard pruned if necessary; plants will still bloom if days are short. Germ: Soak in hot (not boiling) water for 24 hours; repeat procedure for any seeds that have not imbibed water, then sow at 70° F for germination in 7 to 21 days; W; Can flower first year from seed. Zone 8a *Norfolk Botanical staff*
- Que2400** *Quercus rubrum* RED OAK Tree. Sun. 50-75' Zone 4-8.  
1277 Germ: Put in plastic bag filled with moistened peat until spring. Protect acorns from squirrels and other critters. Zone 6a *Haas*
- Rab1000** *Rabdosia longituba* Per. Sun/PtSun. 5 x 2'; to 6' in bloom. Fall.  
0199 Blue flowers. Japanese native with tubular blue flowers in branched clusters at the nodes all along the stem in late September to October. White seedlings occur. Lovely supported by adjacent shrubs. Height 4-5'. Zone 7 *Cresson*
- Reh1000** *Rebmannia angulata* CHINESE FOXGLOVE Annual. Full sun to Partial shade. 2'-5' tall. Summer.  
2515 Bright pink foxglove-like flowers. Pollinators loved this plant. May need staking. Germ: Easy to propagate from seed. Seed from Select Seeds. Zone 6 *Doblmaier*
- 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*
- Ric1160** *Ricinus communis* 'Carmencita' CASTOR BEAN An. Sun. 5-6+ x 5'. Summer.  
0200 Maroon and white blooms, bold bronzy leaves on tropical, poisonous plant. Will self-sow. Germ: SIS. Zone 7 *Creveling*

## Rodgersia - Sabal

- Rod1050** *Rodgersia podophylla* FOOT-LEAF RODGERSIA Per. PtShade. 4 x 3'. Summer. Zone 5-8.  
0199 White flowers. Plumes of white flowers in early summer above bold foliage. Good in moist to wet sites where surface rhizomes will slowly colonize. Zone 7 *Cresson*
- Roh1050** *Robdea japonica* NIPPON LILY, SACRED LILY Per. PtShade/Shade. 12-18". Spring. Zone 6-10.  
3001 Slow-growing Asian broadleaf shade perennial to about 14". Forms clumps over time. Mature plants produce red berries in late fall. Germ: CMS 2 mo. Zone 7 *Gregg*
- Ros3500** *Rosa glauca* BLUE LEAF ROSE Shrub. Sun. 6 x 5'. Spring.  
1277 Single, pink flowers with white centers producing large orange hips on 6' shrub. Germ: CMS: 90 d. Zone 6a *Haas*  
3666 Pink flowers. Purple foliage and stems, fragrant, very hardy and disease resistant. Germ: CMS. Zone 5 *McGowan*
- Ros5300** *Rosa roxburghii* CHESTNUT ROSE Shrub, 6-8 x 6-8'. Zone 6-9.  
0926 Pink double flowers becoming very ornamental, bright yellow, prickly hips. Germ: CMS: 3-5 mo. Do not let seed dry out. *Streeter*
- Ros5400** *Rosa rugosa* RUGOSA ROSE Shrub. Sun. 4-6'. Summer-Fall.  
0926 Fragrant dark pink flowers in summer, followed by large prickly hips on a hardy, tough shrub rose with very prickly stems. Worth the prickles! From Isle au Haut, Maine. *Streeter*
- Ros5900** *Rosa villosa* APPLE ROSE Shrub. Sun/PtShade. 4-8 x 5-6'. Summer. Zone 5-9.  
2429 Zone 6 *Bricker*
- Rud1560** *Rudbeckia fulgida* var. *deamii* BLACK-EYED SUSAN Per. Sun/PtShade. 3 x 2'. Summer.  
0199 Yellow flowers with black centers. Very heat and drought tolerant. Flowers July through September, later than 'Goldsturm' on longer flower stems, so it's better for cutting. And, this is resistant to the bacterial disease devastating 'Goldsturm'. Zone 7 *Cresson*
- Rud1850** *Rudbeckia fulgida* var. *sullivantii* 'Goldsturm' Per. Sun. 12 x 12"; to 2' in bloom. Summer-Fall.  
1277 A workhorse of a plant. Blooms almost all summer and into fall. Zone 6a *Haas*
- Rud2500** *Rudbeckia heliopsis* SUNFACING CONEFLOWER Per. Sun. Summer/Fall. Zone 7-8.  
0032 Oconee Co, SC. *Plant Delights*
- Rud3500** *Rudbeckia lactiniata* CONEFLOWER Per. Sun. 2 x 2'; from 4-6' in bloom. Summer-Fall.  
3178 Yellow flowers. Spreads somewhat aggressively. Germ: CMS 60 days; R; OW. *Standen*
- Rud4050** *Rudbeckia maxima* GIANT CONEFLOWER Per. Sun/PtShade. 6 x 2'. Summer.  
1017 Golden yellow bloom. Forms a lovely rosette of glaucous foliage. Zone 5b *Whitesell*
- Rud5100** *Rudbeckia triloba* BLACK-EYED SUSAN, BROWN-EYED SUSAN Bien./Per. Sun/PtShade. 5 x 3'. Summer-Fall.  
1020 Yellow with black centers. Blooms mid-August to frost. Self-sows. Zone 7 *Wiedorn*  
1277 Gold flowers with black centers. Many small flowers in late summer. Self-sows a little here. Germ: NST. Zone 6a *Haas*
- Rud5200** *Rudbeckia triloba* 'Prairie Glow' BROWN-EYED SUSAN Per. Sun. 3½ x 1'.  
2937 Burnt orange petals with yellow tips blooms. An annual, biennial, or short lived perennial depending on its mood, the 5' plants will have a range of fully yellow to completely orange 2" flowers. Zone 6a *Bittmann*
- Rue0700** *Ruellia elegans* BRAZILIAN FALSE PETUNIA Tender Per. Sun/PtSun. 8 x 12". Spring-fall.  
0199 Red. Nonhardy South American perennial that blooms all summer with bright scarlet red tubular flowers on bushy plants. I overwinter pots dormant in a cool frost-free location. Zone 7 *Cresson*
- Rue1040** *Ruellia humilis* WILD PETUNIA Per. Sun/PtShade. 1 x 1'. Summer.  
1277 Blue-violet flowers. Perennial. Mine only got to 1'. Nice plant. Zone 6a *Haas*
- Sab0400** *Sabal blackburniana* CABBAGE PALMETTO Palm. Sun/Pt. Shade. 30'. Summer. Zone 8-11.  
0032 *Plant Delights*
- Sab0510** *Sabal minor* 'Blountstown Dwarf' BLOUNTSTOWN DWARF SCRUB PALMETTO PALM Palm. Sun/Light Shade. 18"x 3'. Summer. Zone 7-10.  
0032 Seed strain from a very dwarf scrub palm found in Blountstown, FL. *Plant Delights*

- Sab0530** *Sabal minor* 'Chipola Dwarf' CHIPOLA DWARF SCRUB PALMETTO PALM Palm. Sun/Light Shade. 2 x 5'. Summer. Zone 7-10.  
0032 Dwarf form of Southeast US native, bush palmetto. *Plant Delights*
- Sab0550** *Sabal minor* *Sabal minor Louisiana form* LOUISIANA PALMETTO Shrub. Sun/PtShade. 6-12'. Spring/Summer. Zone 7a (protected)-11.  
3436 White-inconspicuous blooms. Grow in container for a few yr. Slow-growing; about 4 leaves per yr. Easily damaged by wet snow or ice and will freeze to the ground in the open in 7a. About 5 yr from seed to flowering. More vigorous than ~S. minor. ~ Hardy to 7a if grown on warm side of building. Freezes back below zero and can windburn, but regrows from base. Don't let container freeze or dry out. Germ: Soak: 1 d, BH, 90 d. Easier to transplant than ~S. minor. ~ Shrubby fan palm. Zone 7a *Silberstein*
- Sab0580** *Sabal minor* 'McCurtain' DWARF PALMETTO, BLUESTEM PALMETTO, BLUE PALM Palm. Sun/PtShade. 4-6 x 4-6'. Spring-Summer. Zone 6-7.  
0199 Greenish white blooms. Trunkless, evergreen, native fan palm makes a surprising foliage plant year around. Bluish green foliage. Seed from my plant hardy since 2000, originated from a natural stand in McCurtain County, Oklahoma. 4-6' tall. Sun-part shade. Zone 7 *Cresson*
- Sab0600** *Sabal minor NE Texas Form* DWARF PALMETTO, BLUESTEM PALMETTO, BLUE PALM Palm. Sun/PtShade. 4-5 x 4-8'. Spring-Summer. Zone 6-7.  
3436 White-inconspicuous blooms. Grow in container for a few yr. Slow-growing; about 3 leaves per yr. A bit more wind-resistant than East coast ~S. minor. ~ Six or seven yr from seed to flowering. Hardy to 6b if grown on warm side of building. Freezes back below zero and can windburn, but regrows from base. Don't let container freeze or dry out. Germ: Soak: 1 d, BH, 90 d. Second hardiest member of the palm family. Shrubby fan palm; no trunk. Zone 7a *Silberstein*
- Sab0700** *Sabal minor* 'Wakulla Dwarf' WAKULLA DWARF SCRUB PALM Palm. Sun to Light Shade. 18" x 3'. Summer. Zone 7-10.  
0032 Dwarf. Evergreen. 3' tall seed stalk in late summer. *Plant Delights*
- Sab0800** *Sabal* 'Tamaulipas' MEXICAN SCRUB PALM Palm. Sun/PtShade. 8 x 6'. Spring-Summer.  
0032 Cream flowers. *Plant Delights*
- Sal0200** *Salvia* 'Amistad' AMISTAD PURPLE SALVIA TenPer. Sun. 3-4'. Zone 8a-10b.  
0200 Purple 'Black and Blue' prolific bloomer. Flowers all season. Zone 7 *Creveling*
- Sal0600** *Salvia azurea* BLUE SAGE, PRAIRIE SAGE Per. Sun. 3 x 2'. Summer.  
1277 Sky blue. Can grow tall- to 5'. Should be cut back so it can bush out. Zone 6a *Haas*
- Sal0650** *Salvia azurea* 'Nekan' BLUE SAGE Per. Sun. 2-4 x 2-3'. Summer-Fall.  
0199 Blue flowers. Envious blue flowers on lax stems late in the summer. A reputedly larger flowered, more robust form. Zone 7 *Cresson*
- Sal1000** *Salvia coccinea* TEXAS SAGE An. 1-3 x 2'.  
0199 Rose pink. Self-sows to return each year as a permanent inhabitant in certain beds and is useful as late summer filler. I don't know the proper name of this strain but it is a rich, almost salmon pink. Zone 7 *Cresson*  
1939 Bright red flower *Urffer*
- Sal1100** *Salvia coccinea* 'Brenthurst' An. Sun. 20-30 x 12". Summer-Fall.  
0318 Pink. An. Sun. 20-30 x 12". Summer-Fall. *Garnett*  
0522 Peachy pink flowers. Betsy Clebsch observes this will come true from seed if no other ~S. coccinea~ cross pollinates the plants. Wonderful filler plant. Deadheading promotes bloom. Germ: L; W, 10d. *Kushner*  
0592 Bloom: pink and white combo. Generous self-sowing annual. Keeps it up till frost, even without deadheading. I grow no other S. Coccinea so it stays true. Germ: NST Zone 6 *Malocsay*
- Sal1150** *Salvia coccinea* 'Coral Nymph' CORAL NYMPH TROPICAL SAGE An. Sun. 3-4 x 1-2'. Summer-Fall.  
0199 Coral-pink/white. Self-sows to return each year as a permanent inhabitant in certain beds and is useful as late summer filler. I don't know its proper name but it is lovely. Zone 7 *Cresson*
- Sal1250** *Salvia coccinea* 'Lady in Red' SALVIA An. Sun/PtSun. 3-4 x 2'. Summer-Fall.  
0200 Red blooms all summer. Hummingbirds love it. Germ: NST. Zone 7 *Creveling*

## Salvia - Salvia

- 1277 Red flowers. Airier than ~S. splendens~. Germ: NST, W. Zone 6a Haas
- Sal1600 **Salvia farinacea 'Victoria'** An. Sun. 3½ x 2½'. Summer-Fall. Zone 8-10.  
3176 Deep blue flowers. Great filler plant- blooms spring to frost. Also good in containers. Germ: L; W; NST; 7-14 days for germination. Press seed 1/4 inch into soil but do not cover. Start indoors 6-8 weeks before last frost for earliest flowering. Zone 7a Maher
- Sal1760 **Salvia glabrescens** Per. PtShade. 2 x 3'. Fall. Zone 5a-7b.  
0199 Pink/purple blooms. Per. PtShade. 2 x 3'. Fall. Pink or purple flowers bicolored with white. Seed from Ed Bowens hybrids between the species and var. robustum combining compact habit with larger flowers. An improvement over older cultivars. Zone 7 Cresson
- Sal2300 **Salvia greggii 'Wild Thing'** AUTUMN SAGE An./TenPer. Sun. 6" to 18-24" in bloom. Summer-Fall.  
0199 Red flowers. Seems to be the hardiest of this species I've grown, reputedly zone 6. Trim back once new growth starts in spring. Hot cherry red flowers with purple calyces, summer into fall. Zone 7 Cresson
- Sal2350 **Salvia guaranitica** ANISE-SCENTED SAGE An./TenPer. Sun/PtShade. 5 x 2'. Summer-Fall.  
0199 Indigo blue flowers. One of the hardiest forms of this species which has been hardy outdoors, protected by a mulch for 30 years. 5-6' tall when established. July-October bloom. Zone 7 Cresson  
0318 Deep, strong, true blue flowers. Garnett  
0522 Brilliant, true-blue flowers. Blooms for months. Kushner  
0590 Blue flowers. Collected from some cobalt blue and medium blue specimens. Zone 7a Mabony
- Sal3100 **Salvia lyrata** LYRE LEAF SAGE  
2497 Light lavender blooms. A wonderful plant native to the Eastern U.S. Lyre leaf sage spreads vigorously, but this is great for difficult locations like dry shady woodland areas. It is easy to weed out if it grows more than you want. The rosettes are evergreen and create a great groundcover for erosion control. Terrific on the bottom of my shady rain garden. Germ: BC, NST. Zone 7b Mackey
- Sal3370 **Salvia nutans** NODDING SAGE Per. Sun/Pt.Sun. 48". Early Summer Zone 6-8.  
0032 Pendent clusters of purple flower. Tolerant of heat and humidity. Plant Delights
- Sal3850 **Salvia patens 'Blue Angel'** BLUE ANGEL GENTIAN SAGE Per. Sun. 24-28". Mid-Summer to frost.  
1277 Ultramarine blue flowers. Park's, where I purchased this seed, lists it as Zone 8. I have grown it now for several years in a protected spot by my polyhouse, and I am zone 6A! Try it. Germ: BH. Zone 6a Haas
- Sal3870 **Salvia patens 'Patio Sky Blue'** Sun.  
0084 Pale true blue blooms on a low (12") tender perennial. Excellent in containers. Bowditch
- Sal4250 **Salvia reptans West Texas form** COBALT SAGE Perennial. Full sun to Partial shade. 3' tall. Summer.  
2515 Blue flowers (need I say any more??) on slightly arching stems of this Salvia. Zone 6 Doblmaier
- Sal4500 **Salvia sclaria var. turkestanicaa** 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
- Sal4890 **Salvia splendens 'Louie's Orange Delight'** TenPer. Sun/PtShade. 18-24 x 18-24". Summer-Fall.  
0199 Orange blooms. Nonhardy bushy annual that blooms continuously, even in winter as a houseplant. Easy from seed or cuttings. I couldn't do without this in my hot color border summer to fall, 2-3' tall and wide in rich soil and sun. Apparently this is the true form rather than the red thing under this name in garden centers. Comes true from seed. Zone 7 Cresson
- Sal4910 **Salvia splendens 'Peach'** An. PtShade. 3-4 x 3'. Summer-Fall.  
0199 Upright bushy plant habit. Spikes of peachy pink flowers with orange calyces. I grow it with ~Rosa~ 'Mutabilis'. Blooms all summer outdoors and winter indoors, 2-3' tall. Zone 7 Cresson  
0522 A tall coral peach salvia. Mine grew to 5' and started blooming in June-October. Kushner
- Sal4950 **Salvia subrotunda** TenPer. Sun/PtShade. 3-4 x 2-3'. Late Spring-Early Fall.  
2515 Tall salvia that blooms from June until frost. A great red flower that attracts hummingbirds. Zone 6 Doblmaier
- Sal5300 **Salvia uliginosa** BOG SAGE An./TenPer. Sun. 4-6 x 3'. Late Summer-Fall. Zone 6a-10b.  
0200 Blue blooms. Zone 7 Creveling

- 2515** Blue flowers. Can tolerate a wet site. Flowers all summer. Zone 6 *Doblmaier*
- San0600** *Sanguisorba canadensis* CANADIAN BURNET Per. Sun/PtShade. 6 x 3'. Summer-Fall.  
**0199** Useful for late bloom, sort of like late cimicifugas. Prefers moist soil. Zone 7 *Cresson*
- San1850** *Sanguisorba 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*  
**1999** Elongated spikes of burgundy-red, bottlebrush-like flowers are set off by dramatic, shiny green pinnately compound foliage. Excellent cut flowers. To be reliably perennial, Japanese burnet should be grown in full sun and have sharp winter drainage. Hardy in Zones 4 to 8. Plants often turn yellow in the autumn. Germ: CMS: 90 d. Soak: 24 hr. Soak seeds in warm water for 24 hr then cold/moist stratify for 90 d. Germination will commence in 7-14 d when seeds are returned to 70°F. W. Zone 8a *Norfolk Botanical staff*
- Sap1000** *Saponaria officinalis* SOAPWORT, BOUNCING BET  
**1585** White flowers, tinged with pink. Open flower heads on angled 18" stalks. Intensely fragrant at night. Leaves produce a gentle lather (useful near an outdoor faucet). Germ: NST. *Scofield*
- Sar1400** *Sarcococca orientalis* WINTER BOX Shrub. 4'.  
**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.  
**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. *Kushner*
- Sau1050** *Sauromatum venosum* VODOO LILY TenBulb. PtShade. 1½'. Spring/Summer.  
**3321** Spathe is burgundy with gold flecks and spadix is black. Great tropical looking plant 3' tall with huge hand shaped leaf on a black spotted stem, starts out late in Spring with huge tongue-like spathe which emits the smell of horse manure for 1 day, but leaves lasts until frost. Germ: Soak 1 day. Have accidentally germinated seeds by leaving pots with seeds mixed in compost of other plants outside or in cold frames during winter. Zone 6 *Perron*
- Sax1000** *Saxifraga pensylvanica* EASTERN SWAMP SAXIFRAGE Per. Sun/Shade. 3'. Spring.  
**0199** Greenish yellow flowers. Basal rosettes produce tall spikes of small flowers in May-June. Native plant adapted to sun or shade in constantly moist locations. Zone 7 *Cresson*
- 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*
- Sch0500** *Schefflera delavayi* DELAVAY'S SCHEFFLERA, HARDY CHINESE SCHEFFLERA Shrub. PtShade. 6-8'. Zone 7-10.  
**0032** *Plant Delights*  
**1999** Sprays of tiny, insignificant white flowers followed by blue berries. Hardy in Zones 7b to 10a, where it will remain evergreen. Germ: Soak: 24 hr. Soak seeds overnight in warm water before sowing at 70°F. Expect germination in 2-3 wk. W, BC. Zone 8a *Norfolk Botanical staff*
- Sci1010** *Scilla autumnalis* AUTUMN SCILLA Bulb. Sun/PtShade. 2"; to 12" in bloom. Summer-Fall.  
**0118** Pink blooms. Hardy bulb to 8 . Autumn Squill. Europe. What a treat to have this pink squill blooming in September. Open racemes display the bractless flowers. Not fussy about soil. Adorable. Sun/partial shade. Germ: CMS: 50 d, C, BC, SIS. Zone 5a *Stonecrop Gardens*  
**3321** Pink-purple blooms. Great late season color. Zone 6 *Perron*
- 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*
- Sci2020** *Scilla scilloides* (late form) CHINESE SCILLA Bulb. Sun/PtShade. 2'. Summer-Fall.  
**0199** Often grown under the misnomer ~S. numidica~, this late blooming form is a bit huskier and deeper in color. Self-sows vigorously in the rock garden, so deadhead. Try near early colchicums. Blooms August-September. Zone 7 *Cresson*

## Scutellaria - Silene

- Scu4010** *Scutellaria incana* DOWNY SKULLCAP Per. Sun/PtShade. 2-3 x 2'. Summer-Fall.  
0199 Light blue. Attractive gray-green foliage. The combination of light blue flowers and gray foliage is charming, particularly in dry moderate shade under white pine or beech, which it seems to prefer to my richer flower borders. Zone 7 *Cresson*  
1017 Blue flowers in midsummer. July-blooming self-supporting 24-30" perennial. Can seed around when happy, but indispensable. Zone 5b *Whitesell*  
2515 Blue flowers and gray foliage is attractive together. Germ: NST. Zone 6 *Doblmaier*
- Scu4150** *Scutellaria integrifolia* SKULLCAP Per. Sun. 1 x 2'. Summer-Fall.  
0199 Purple-blue blooms. Eastern native, prolific flowers all summer. Zone 7 *Cresson*
- Scu4400** *Scutellaria ovata* HEART-LEAF SKULLCAP Per. 12 -28". Late Spring-Early Summer.  
0199 Blue-purple blooms. A pretty plant with blue-green leaves, spreading by rhizomes. Tolerates poor dry soils. Southeastern US. Zone 7 *Cresson*
- Sed1500** *Sedum 'Sheila McQueen'* Per. Sun/PtSun. 12-18 x 12". Late Summer  
0199 I received this from Longwood in the early 1980's where they were trialing it from England. Named for renowned English flower arranger, but there seems little reference of it anywhere. S. telephium hybrid with greenish flowers and greenish yellow foliage. A texture plant. Zone 7 *Cresson*
- Sed1550** *Sedum steboldtii* OCTOBER DAPHNE Per. Sun. 6-12 x 12". Summer-Fall. Zone 3-9.  
0199 Deep pink blooms. A favorite little clumping sedum of arching stems with silvery blue foliage all summer and deep pink flowers in October. Looks wonderful hanging out of a wall or among rocks. Zone 7 *Cresson*
- Sed1600** *Sedum spectabile* Per. Sun/PtSun. 1 x 1'. Fall. Zone 4-9.  
0199 Bright pink blooms. Old fashioned bushy clumping perennial with large, light green leaves and flat flower heads of hot pink flowers. Sun or moderate shade in almost any soil, even poor and dry. Perfect with colchicum and ~*Lespedeza thunbergii*. ~ About 1' tall and wide. Zone 7 *Cresson*
- Sen0600** *Senecio polyodon* Perennial; Full sun; 1'-2' tall; summer.  
1999 Abundant masses of purple, daisy-like flowers in early summer. Perennial plant from South Africa with evergreen rosettes of fleshy, succulent leaves. Can be short-lived but will seed about in sandy, well-drained soils. Attracts bees and butterflies. Germ: BC; 21 days germination time; W; NST. Zone 8a *Norfolk Botanical staff*
- Sen1800** *Senna hebecarpa* WILD SENNA Per. Shade. 4-6 x 2½'. Summer.  
0199 Yellow flowers. Branched heads of yellow pea-shaped flowers. Self-sows in my meadow. Tropical appearance. Native. Zone 7 *Cresson*
- Sen2010** *Senna marilandica* WILD SENNA Per. Sun/PtShade. 3-6 x 2-3'. Summer-Fall.  
1918 A shrubby herbaceous 3-6' perennial native to the East Coast and Midwest, it blooms in midsummer with yellow pea-like flowers. These are followed by seedpods which ripen to black and remain on the plant through winter. *Carey*
- Ses1200** *Sesbania drummondii* RATTLEBOX, POISONBEAN Shrub. Sun. 15-20'. Mid-Spring, blooms repeatedly. Zone 8-11.  
1999 Yellow blooms with red streaks. Large deciduous shrub. Fine pinnate foliage. Decorative seedpods. POISONOUS. Zone 8a *Norfolk Botanical staff*
- Ses1700** *Seseli ponticum* Per. Sun. 1-2' Summer  
0032 White umbel *Plant Delights*
- 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*
- Sil0050** *Silene armeria* SWEET WILLIAM CATCHFLY, NONE-SO-PRETTY An./Bien. Sun/PtShade. 12-24" in bloom. Summer.  
0522 Dark pink/rose pink blooms on a herbaceous perennial that thrives in a rock garden. Eye-catching. Full sun to part shade. Germ: Self seeds. *Kushner*  
1918 Little pink flowers which bloom beginning in late spring and continuing sporadically through summer. Glaucous foliage on thin, slightly sticky stems to 1-2' tall. Will self sow. Full sun and dry-medium soil with good drainage. Germ: BC, SIS. Seed should be sown outdoors 3 wk before last frost in the spring, or may be started indoors 8-10 wk before the last frost and then transplanted. It may be helpful to sow the seed mixed with coarse sand. *Carey*



- Sil1700** *Silene regia* ROYAL CATCHFLY Per. Sun/PtShade. 2½ x 1'. Summer.  
0032 Scarlet flowers. *Plant Delights*  
0199 Reddish orange blooms. Tall 4' spikes July-August resemble cardinal flower, but thrives on dryish clay in sun to part shade. Easy mid-Western and Southern native in prairies and open woods. Zone 7 *Cresson*  
1277 Red flowers. Grow on the dry side. Very similar to ~*Silene virginica*~, Fire Pink. Zone 6a *Haas*
- Sil2700** *Silene virginica* Per. Sun/PtShade. Spring.  
0269 A short-lived perennial, this handsome, 2'-tall native bears red flowers from late spring to early summer. Plants require well-drained soil and partial shade. My plants receive sun from morning until mid-afternoon and are at the top of a wall, which provides perfect drainage. Plants self sow. Germ: CMS, OW. 60 d. Zone 7 *Ellis*
- Sil4200** *Silphium mobrii* SHAGGY ROSINWEED Perennial. Sun/Pt Sun. 2'-5' x 3'. Late Summer.  
0199 Yellow flowers. The allure of this plant is the soft lemon-yellow flowers in late summer on branched stalks above large basal leaves. A respite from the many mustard yellow Autumn daisies. A southeastern US native. Zone 7 *Cresson*
- Sil4260** *Silphium perfoliatum* CUP PLANT Per. Sun/PtShade. 8 x 4'. Summer-Fall.  
0199 Bright yellow daisies July-August for about 6 weeks. Adaptable. Bold, strong stems with large, durable, deep green leaves. Needs space but deserves it. A favorite. Zone 7 *Cresson*
- Sis1350** *Sisyrinchium palmifolium*  
0032 *Plant Delights*
- Smi0030** *Smilactina racemosa* FALSE SOLOMON'S SEAL Per. PtSun/PtShade. 1½ x 1½'. Spring.  
2429 Germ: Cycle: OW 2 yr. Zone 6 *Bricker*
- Smy2050** *Smyrniium perfoliatum* BIENNIAL ALEXANDERS Bien. PtSun/PtShade. 3-4'. Spring.  
0199 Chartreuse flowers. Biennial. Striking yellowish bracts on flower stalk associated with umbel in mid-late spring. Summer dormant. Zone 7 *Cresson*
- Sol0800** *Solanum lycopersicum* 'San Marzano' SAN MARZANO TOMATO Annual. Full Sun. Indeterminate.  
0215 Yellow flower. Heirloom. plum tomato, red. Germ: BC; 4-8 days germination time; BH; W; SR. Zone 7b *DeMarco*
- Sol1450** *Solidago bicolor* SILVERROD Per. Sun/PtShade. 1-3'. Summer-Fall.  
0199 White flowers. The only white-flowered goldenrod species. White flowers born in terminal spikes. Easy native. Originally from Eastern Shore of Maryland in dry shade, clay soil on a wood's edge. Zone 7 *Cresson*
- Sol1500** *Solidago caesia* WREATH GOLDENROD Per. PtShade/Shade. 2'. Fall.  
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*
- Sol4010** *Solidago sempervirens* SEASIDE GOLDENROD Per. Sun. 4-6 x 2'.  
0032 *Plant Delights*
- Sol4300** *Solidago tenuifolia* Per. Sun/PtShade. 6 x 2'. Summer-Fall.  
0199 Yellow flowers. Widely branched, open flower heads atop slender stems with narrow leaves. One of the few fragrant goldenrods. Rhizomatous but worth it. I cut back midsummer and pull extra stems. 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. 2 yr. Germination is sporadic. Zone 6b7a *Bartlett*  
0199 Lavender-blue flowers. This central Chinese shrub tolerates heat, drought and humidity, perfect for the "new climate". Clusters of pea-like flowers in May. Finely textured compound foliage all summer. Prune occasionally to keep dense. Zone 7 *Cresson*

## Spigelia - Styxax

- 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 mater. Germ: CMS, 2-3 months *Garnett*
- Sta2200** *Stachys coccinea* 'Hot Spot Coral' TEXAS BETONY Tender per. Sun/PtShade. 12 x 18". Spring-summer  
0199 Coral-red flowers. Nepeta-like foliage with flower spikes in spring through early summer with some repeat. Nearly hardy, especially with good drainage or overwinter pot dormant in frost-free location. Grow it for the color! Zone 7 *Cresson*
- Sta3330** *Stachys officinalis* (dwarf form) WOOD BETONY Per. Sun/PtShade. 2½ x 12-15"; to 6" in bloom. Summer.  
0199 White or magenta flowers. A tight grower, ideal for the front of the border or a rock garden. Zone 7 *Cresson*
- Sta5010** *Stachyurus praecox* Shrub/Tree. PtShade. 12 x 10'. Late Winter-Early Spring.  
0522 Yellow flowers. Notable for its 4-5" catkin-like racemes loaded with flowers. Tall shrub with arching branches. *Kushner*  
1999 Unique, dangling chains of creamy primrose yellow winter flowers reminiscent of a string of pearls. Blooms appear before the leaves, adding drama. Choice vase-shaped winter-blooming shrub. Provides much needed nectar for bees and other early pollinators. A mature specimen in peak bloom is a sight to remember. Germ: BC 30 days, W, NST. Zone 8a *Norfolk Botanical staff*
- Ste0850** *Stewartia monadelphba* TALL STEWARTIA Tree/Shrub. Sun/PtShade. 80 x 25'. Summer.  
0199 White blooms. Tree. Sun/PtShade. 25'. Early Summer. White flowers over several wk in June-July on a small pyramidal tree. A special feature is the smooth cinnamon bark on the older branches and trunk. This Japanese species is said to be more heat tolerant than other stewartias. Zone 7 *Cresson*
- Ste0950** *Stewartia ovata* MOUNTAIN STEWARTIA Shrub/Tree. Sun/PtShade. 15-20 x 12-15'. Summer.  
0239 Lovely 2-3" white flowers with light peachy stamens in midsummer. Excellent orange to scarlet fall color. Handsome fissured bark for winter interest. Good size for small property. Germ: CMS, maybe 2 yr. Best to sow seed in container, cover with wire mesh, set in cold frame. May take 2 yr. Zone 6 *Doering*
- Ste1050** *Stewartia pseudocamellia* JAPANESE STEWARTIA Tree. Sun. 20-40+ x 20'. Summer.  
0045 White. Fine tree for small gardens. Excellent flowers and exfoliating bark. Brilliant red autumn foliage. Germ: Sow in pots, then overwinter outdoors. Seed may germinate second spring. Maximum germination, 3 years. Zone 6b7a *Bartlett*  
0239 White flowers. Germ: OW; seed can take several years to germinate; Rtp. Zone 6 *Doering*
- Ste2000** *Stewartia sinensis* CHINESE STEWARTIA Tree. Sun/PtShade. 15-30 x 8-15'. Summer. Zone 5-7.  
0045 White flowers on slow growing, graceful, Asian stewartia. Germ: Cycle. Sow in pots, then over winter outdoors. Maximum germination time 3 years. Zone 6b7a *Bartlett*
- Sti2550** *Stipa tenuissima* Per/Grass. Sun. 2 x 2'. Summer. Zone 7-10.  
0269 Extremely fine-textured grass producing clumps of silky leaves. Hardy Zones 6 to 10. Will self-sow. Full sun and average to dry soil. Native to Texas. Germ: OW; SIS Zone 7 *Ellis*
- Sto2000** *Stokesia laevis* STOKES ASTER Per. Sun/PtShade. 6 x 8"; to 12-18" in bloom. Summer.  
3321 Some blue, some yellow blooms. Late summer bloomer, easy to raise from seed. Germ: W, SR. Zone 6 *Perron*
- Sto2300** *Stokesia laevis* 'Klaus Jelitto' STOKES ASTER Per. Sun/PtShade. 6 x 8"; 18-20" in bloom. Summer.  
0200 Lavender-blue flowers; to 18", likes dry soil. Wonderful filler plant in the perennial garden. Germ: W. Zone 7 *Creveling*
- 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. *Kushner*
- Sty5130** *Styrax japonicus* 'Carillon' JAPANESE SNOWBELL Tree. Sun/PtShade. 8-12 x 12'. Summer.  
3436 White, hanging bell-like flowers. Germ: CMS; Seed collected from weeping variety. At least some seedlings will exhibit weeping growth. Needs to be staked to desired height. Zone 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~. *Kushner*
- Sty5240** *Styrax japonicus* 'Pink Chimes' Tree. Sun. 20'. Spring.  
3436 Light-pink flowers. Germ: CMS; May or may not come true from seed. Zone 7a *Silberstein*

- Sty5550** *Styrax obassia* FRAGRANT SNOWBALL Tree. Sun/PtShade. 20-30 x 15-25'. Spring. Zone 5-8.  
0522 White flowers. More robust than ~S. japonicus, ~ leaves larger. Same bell-shaped, fragrant flowers. Germ: WMS, 90 d, CMS, 90 d, Cycle warm then cold; C. *Kushner*
- Suc1000** *Succisella inflexa Frosted Pearls*<sup>TM</sup> DEVIL'S BIT Per. Sun/PtShade. 30 x 18". Summer. Zone 5+.  
0199 White/pink blooms. 1-2' stems, with white knautia-like flowers from pink buds, arise from basal rosettes in summer. Probably prefers a moist location in part sun. Zone 7 *Cresson*  
0592 Pink buds open white. Cresson 17/18 source. Smaller in my garden. Quiet woodlander. Hardly diabolical. Best appreciated picked. Pollinators attentive. Zone 6 *Malocsay*
- Sym0900** *Symphotrichum shortii* SHORT'S ASTER Per. Sun/PtShade. 2-4'. Midsummer-Fall. Zone 3-8.  
3178 Purple flowers. Larger bloom than S. cordifolium. Germ: CMS 30 days; R; OW. *Standen*
- Syn1500** *Syneilesis palmata* Per. PtShade/Shade. 15". Summer.  
1277 White small flowers. Emerging leaves look like ghosts, shrouded in shaggy silver hairs. Fully emerged, they look like umbrellas. An intriguing plant. Zone 6a *Haas*  
2137 White flowers. Emerges with silky green leaves that open like a miniature umbrella to 6" wide, each sitting atop a 15" tall stem. Slowly spreads by rhizomes. Germ: Cycle: Alternate cold and warm periods. Give sown seeds several weeks @ 68°F to imbibe water (perhaps even germinate!), then expose to fluctuating outdoor winter temperatures including freezing for 3 months. Gradually increase light and temperature in spring. Zone 6b *Boylan*
- Tag1010** *Tagetes 'Cinnabar'* (Great Dixter Strain) MARIGOLD An. Sun. To 36". Summer.  
0522 Rusty red- outlined in yellow. Yes, a marigold. But a charmer. Mixes well in a border with "Torch" Thithonia and Abelmoschus manihot. Source: Derry Watkins Special Plants Nursery. *Kushner*
- Tag2850** *Tagetes tenuifolia* SIGNET MARIGOLD Annual. Full Sun-Partial Shade. 1' tall. Summer.  
0269 Yellow flowers. A single-flowered marigold with fragrant, lacy foliage. Plants are about 1 foot tall by 2 feet wide. Full sun and average well-drained soil. These seeds are open pollinated, so they may produce some orange-flowered plants. Germ: BC; Sow indoors 6- to 8 weeks before the last frost. Bottom heat is fine, but keep tops cool and let the soil dry slightly between waterings. I have had the best luck when when I don't coddle them. Or SIS. Zone 7 *Ellis*
- Tal1150** *Talinum calycinum* FAMEFLOWER Per. Sun. 4 x 10-12". Summer-Fall.  
0522 Rose pink flowers only open for short time in the afternoon. Lovely rock garden plant. Blooms from May-August. Zones 5-9. Germ: R, then 70°. *Kushner*
- Tal1260** *Talinum paniculatum 'Kingwood Gold'* GOLDEN JEWELS OF OPAR An. Sun. 8-10"; to 12" in bloom. Summer-Fall.  
0318 Pink flowers. Chartreuse foliage is fleshy. Airy spikes of flower stems topped by pink flowers followed by red seed heads. Germ: NST; BC; W, 14d; or SIS. Self-sows. *Garnett*  
0522 Pink/orange. Lovely, bright, fleshy, chartreuse foliage topped by graceful panicles of tiny pink and orange flowers, turning to carmine berries as they mature. Self-sows. *Kushner*  
0627 Pink flowers. Bright chartreuse foliage. Blooms carried on long erect stems and followed by red seed heads. *McShane*  
1607 Zone 7a *Jellinek*  
3436 Pink blooms with little reddish brown fruits. Annual that self sows. Germ: W, SS, NST. Zone 7a *Silberstein*
- Tal1350** *Talinum paniculatum 'Variegatum'* JEWELS OF OPAR An. Sun. 1 x 2'; to 3' in bloom. Summer.  
0522 Dainty pink flowers. Zone 9a-10b. This is an annual for us with charming white edged leaves and reddish wiry stems. I'm hope that, like all Talinums, it re-seeds. *Kushner*
- Tax1250** *Taxodium distichum* BALD CYPRESS Tree. Sun. 50-70 x 20-30'.  
1277 Deciduous conifer to 120'; sun; tolerates swampy ground. Mature dry cones should be broken apart. Separation of cone fragments from seed is difficult and both are often sown. Germ: CMS 90 d. Five minute ethyl alcohol soak prior to CMS. Zone 6a *Haas*
- Tax1300** *Taxodium distichum 'Cody's Feathers'* CODY'S FEATHERS BALD CYPRESS Tree. Sun. 4-5 x 4-5'. Zone 6-9.  
0032 Dwarf, compact form of native Bald Cypress. *Plant Delights*
- Tha1500** *Thalictrum aquilegifolium* MEADOW RUE Per. PtShade. 3 x 1½'. Late Spring/Early Summer.  
1277 Yellow-striped bloom with white stamens. Zone 6a *Haas*

## Thalictrum - Tricyrtis

- Tha1600** *Thalictrum chelidoni* Per. PtShade. 1-2 x 2'; from 3-7' in bloom. Summer. Zone 5-9.  
0592 Lavender blooms. Lovely. I do support in bloom which, like ~*T. rochebrunium*~, keeps coming to summer's end. Needs support. Zone 6 *Malocsay*
- Tha2450** *Thalictrum kutsianum* DWARF MEADOW RUE, KYOSHU MEADOW RUE Perennial. Pt Shade. 6". Early Summer.  
0199 Pink flowers. Airy flowers of palest pink above maidenhair fern-like foliage. Slowly colonizing groundcover from Japan. Zone 7 *Cresson*
- Tha3450** *Thalictrum polygamum* MEADOW RUE Per. Sun/PtShade/Shade. 5-6 x 2'. Summer.  
0199 White flowers. Our native meadow rue ideal for naturalizing in a moist meadow. Will also take the dry woodland garden. Zone 7 *Cresson*
- 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 rochebrunianum* LAVENDER MIST, MEADOW RUE Per. Sun/PtShade. 1-2 x 2'; from 3-7' in bloom. Summer.  
0032 *Plant Delights*  
0592 Lilac flowers. Towering yet dainty in foliage and flower. Give shade in really hot places. Self-sows where happy. Germ: NST. Zone 6 *Malocsay*  
1277 Lavender flowers. Tall, airy, and delicate looking see-through plant with pretty, blue-green foliage. Zone 6a *Haas*  
2497 Light lavender blooms with soft yellow centers. A tall, beautiful, airy perennial with interesting flowers. Zone 7b *Mackey*
- Tha3900** *Thalictrum thalictroides* 'Pink Pearl' RUE ANEMONE Per. PtSun/PtShade. 8". Spring.  
0199 Pink Flowers. This strain with deep pink flowers was introduced by Mt. Cuba Center in 2007. A spring ephemeral that blooms in April and is dormant by summer. Easy and will self-sow true to name in deciduous shade. Zone 7 *Cresson*
- Tha4250** *Thalictrum uchiyamae* MEADOW RUE Per. Sun/PtShade. Summer.  
0199 Greenish white flowers. Very rare Korean species. Successfully weaves up through shrubs. A texture plant. Zone 7 *Cresson*
- The0100** *Thelesperma burridgeanum* BURRIDGE'S GREENTHREAD An. Sun. 2x1'. Summer.  
0592 Maroon with yellow edge. Foliage seems sparse to excess, yet it mounts a nonstop show of rounder, stouter Coreopsis daisies. Charming in nosegay bouquets. Germ: SIS Mid May Zone 6 *Malocsay*
- The2050** *Thermopsis villosa* SOUTHERN LUPINE, CAROLINA LUPINE Per. Sun/PtShade. 4-7 x 2-4'. Late Spring-Summer.  
1277 Yellow flowers. Does not tend to flop. Zone 6a *Haas*  
1918 Lupine-like racemes of yellow flowers held on top of the 3-5' stems with trifoliolate leaves. This herbaceous perennial blooms in late spring. Native. Medium to dry soil and full sun. *Carey*
- 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*
- Tit2260** *Tithonia rotundifolia* 'Torch' MEXICAN SUNFLOWER An. Sun. 4-6 x 1'. Summer-Fall.  
0522 Orange-red, 2-3" blooms. Floriferous. Splendid, back-of-the-border annual. *Kushner*  
0965 Brilliant orange-red flowers. A butterfly magnet and a great color contrast with true blues. Germ: W. Zone 7a *Umpfrey*  
5082 Annual - here, Perennial in zones 10-11. Orange-red flower color. Grows tall - 6' and wide 3' Germ: BC: Barely cover seed, L: Light needed, do not cover seed Germination time (in days): 7-14 days BH: Bottom heat soil, 70-80F Start seeds indoors 6-8 weeks before last frost or direct sow after last frost. Zone 6b *Smith, C*
- 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*~. *Garnett*

- Tri3050** *Tricyrtis birta* '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 birta* 'Miyazaki' TOAD LILY Per. PtShade/Shade. 4 x 2'. Late Summer-Fall.  
0318 Pale lilac flowers with purple spots. Such a lovely sight small orchid-like blooms along the arching stems in September.  
Forms nice clumps and self-sows. Germ: CMS; Sow in cold frame in fall or early spring. Takes 6 mo to reach transplanting size. *Garnett*
- Tri3950** *Tricyrtis latifolia* TOAD LILY Per. PtShade. 3 x 1'. Early Summer.  
0318 Green-yellow flowers with brown spots. More upright than arching. Blooms in July. Self-sows. Germ: SS. *Garnett*
- Tri4010** *Tricyrtis macropoda* TOAD LILY Per. PtShade/Shade. 3 x 3'. Summer-Fall.  
0199 White flowers with reddish spots. Masses of flowers in Sept. Parent plant of wild origin in Hubei, China. Very easy and adaptable. Zone 7 *Cresson*  
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 6 *Doering*
- Tri5010** *Tridens flavus* PURPLETOP Grass. Sun. 4-5'. Summer-Fall.  
3177 Good for native meadows. Zone 7 *Gibson*
- 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. *Kushner*
- Tro1050** *Trollius x cultorum* 'Prichard's Giant' GLOBE FLOWER Per. Sun/PtShade. 3 x 2'. Spring.  
0199 Orange blooms. Early perennial is great companion to bulbs. Summer dormant, but prefers a cool moist location. Zone 7 *Cresson*
- Tro1380** *Trollius trcuticus* SIBERIAN GLOBEFLOWER Per. Sun/PtShade. 1-2 x 1'. Spring.  
0199 Orange flowers. For a wet to moist location and seems tolerant of standing water. Deep orange flowers in late spring, then dormant by late summer so be sure to mark location. A very rare species. Zone 7 *Cresson*
- Tsu2000** *Tsuga chinensis* CHINESE HEMLOCK Tree. Sun/PtShade. 100+'.  
0199 Chinese hemlock is resistant or immune to the woolly adelgid which is killing our native Canadian hemlock. It is very similar with slightly longer needles and thrives in our climate. A magnificent tree still scarce in nurseries. My tree came from the wild in Shaanxi Province, China. Zone 7 *Cresson*
- Tsu5000** *Tsuga sieboldii* JAPANESE SOUTHERN HEMLOCK Tree. Sun/PtShade. 40'.  
0199 Rarely seen small tree, more resistant to woolly adelgid than most other hemlocks. Rarely seen smaller species with shorter needles and compact habit makes attractive garden specimen. Zone 7 *Cresson*
- Uro1000** *Urospermum dalechampii* SMOOTH GOLDEN FLEECE Per. Sun. 6-18" Spring-Fall. Zone 5-9.  
0032 Showy yellow flowers. Drought tolerant. *Plant Delights*
- Val0100** *Valeriana officinalis* GARDEN HELIOTROPE, GARDEN VALERIAN Per. Sun. 3-5' x 2-4'. Midsummer. Zone 4-7.  
0592 White. Spring into summer. Reaches up to bloom at 5-6'. Basal rosette 2' across, refreshes after bloom stalk cutdown. (See Eupatorium altissimum. Prolific self-sower but seedling taproot comes up easy- mature roots dive deep. Pleasing fragrance. Pollinators very attentive. Germ: SIS early. Blooms second year. Zone 6 *Malocsay*
- Vel4250** *Veltheimia bracteata* TenBulb. Sun. 1½'. Spring.  
0045 Pink or yellow 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. Zone 6b7a *Bartlett*
- Ver3100** *Verbena bonariensis* PURPLE VERBENA, BRAZILIAN VERBENA TenPer. Sun/PtShade. 4 x ½'. Summer-Fall.  
0318 *Garnett*  
2937 Zone 6a *Bittmann*

## Verbena - Zantedeschia

3176 Small purple flowers on stiff spikes. 3-4' high, see-through, easy care annual attracts hummingbirds and butterflies. May self seed. Germ: W; SIS; Germination can be slow and irregular. Can be started indoors, 8-12 weeks before average last frost date. Zone 7a *Maber*

**Ver3360** *Verbena bastata* f. *rosea* ROSE VERVAIN Per. Sun. 3-4 x 1½ -2'. Summer. Zone 3-8.

1999 Candelabras of tiny pink flowers are produced on erect stems. Wonderful long-blooming native wildflower adds architectural interest to the border. Attracts a myriad of beneficial insects, including butterflies and hummingbird clearwing moths. Germ: C, D, NST. 30 d. No pre-treatment needed. Sow seeds just below soil surface in darkness at 50°F and water. Expect germination in 7-28 d. Zone 8a *Norfolk Botanical staff*

**Ver3500** *Verbena stricta* Per. Sun. 3 x 2'. Summer-Fall.

1999 Luminescent, elongated spikes of lavender flowers. Hoary Vervain is a larval host plant for the common buckeye butterfly, ~*Junonia coenia*~. Many other insects, including native bees, seek out the nectar. The seeds are a favorite of many small birds. Plants are drought tolerant, and non-aggressive. ~*Verbena stricta*~ thrives on dry soils and is deer and rabbit resistant. The long-blooming flowers are prized by floral designers. Germ: CMS: 60 d, BC, L, SS, 100 d. Zone 8a *Norfolk Botanical staff*

**Ver5270** *Vernonia arkansana* GREAT IRONWEED, ARKANSAS IRONWEED Perennial. Full Sun. 4'-6' tall. Summer.

3666 Purple flowers. Germ: CMS. Zone 5 *McGowan*

**Ver5850** *Vernonia glauca* UPLAND NEW YORK IRONWEED Per. 5 x 3'. Fall.

0199 Purple flowers. At 4-5' this is more garden sized and also blooms a little earlier, in late summer, than many other species. Zone 7 *Cresson*

**Ver6050** *Vernonia noveboracensis* IRONWEED Per. Sun/PtShade. 4-7 x 2-3'. Summer-Fall. Zone 5-8.

0199 Violet flowers. Locally native species for large border and naturalizing in meadow. Zone 7 *Cresson*

**Ver8500** *Veronicastrum virginicum* CULVER'S ROOT Per. Sun/PtShade. 6 x 1½'. Summer/Fall.

1277 Bluish white flowers. Nice tall meadow plant. Native. Germ: CMD 3 mo. Zone 6a *Haas*

**Vib2460** *Viburnum nudum* 'Bulk' *Brandywine* POSSUMHAW VIBURNUM Shrub. Sun/PtShade. 5-12'. Spring. Zone 5-9.

1277 White blooms on 5' shrub. Zone 6a *Haas*

**Vib2560** *Viburnum x rhytidophyoides* HYBRID LEATHERLEAF VIBURNUM Shrub. Sun/PtSun. 6 x 6'.

3436 Germ: CMS; BC; Broadleaved evergreen, deer resistant, sun or shade, drought tolerant. Zone 7a *Silberstein*

**Vio0500** *Viola corsica* Sun/PtShade. ½ x 1'. Spring-Fall.

0199 Purple-blue blooms. Per. Sun/PtShade. 6 x 12". Spring/summer. This scarce little native of Corsica and Sardinia is surprisingly tough and long blooming. Give it space to reseed and this short-lived perennial will become a permanent resident and rarely be out of bloom. A natural for rock gardens and among low perennials and bulbs. Zone 7 *Cresson*

**Vit1640** *Vitex agnus-castus* CHASTE TREE Shrub. Sun/PtSun. 12 x 12'. Summer.

0045 Purple blooms in midsummer on a large shrub. More common in South. Pointed heads of flowers in July-August. Full sun. To 12' tall. Dieback in colder areas, fully hardy in PA. Germ: BC, NST. Do not overwater seedlings. Seeds and seedlings prefer a bit dry. Zone 6b7a *Bartlett*

**Vit1850** *Vitex negundo* var. *beterophylla* Shrub. Sun. 10 x 10'. Summer/Fall.

0045 Purple-blue blooms in July-August. Smaller, hardier, easier to use, and more delicate than ~*V. agnus-castus*~, so better in a small, full sun garden. Interesting leaves. Takes heat and drought well. Not used enough. Germ: NST. Do not overwater seedlings, they like to be a bit on the dry side. Zone 6b7a *Bartlett*

0592 No great shakes for bloom (blue cut with white), but cut-leaf foliage and generally graceful demeanor keep it in place--as does fanatic devotion of bees, a smaller species of bumble especially. Pruned for openness, it subs for a (very) small tree. Zone 6 *Malocsay*

**Zan2000** *Zantedeschia albomaculata*

0199 White flowers. White spotted arrowhead foliage. The hardiest species, happy with moist average soil in part shade and a winter mulch. Zone 7 *Cresson*

- Zep0200** *Zephyranthes* 'Ajax' AJAX RAIN LILY PerBulb. Sun. 8". Summer. Zone 7b- 10b.  
0522 Upfacing, straw-yellow/buttery yellow blooms turning cream. Lovely late bloomer. Cross between ~*Zephyranthes candida*~ and ~*Zephyranthes citrina*~ round leaves. Source: Plant Delights Nursery. *Kushner*
- Zep0500** *Zephyranthes* 'Apricot Queen' RAIN LILY Bulb. Sun/PtShade. 6-12 x 3-6". Late Summer-Fall. Zone 8a-11.  
0522 Lovely warm apricot blooms. See listing in Pacific Bulb Society's zephyranthes page and Plant Delights' offerings. *Kushner*
- Zep0600** *Zephyranthes* 'Bali Beauty' RAIN LILY TenBulb. Sun. 6". Zone 7b-10b.  
0522 Bi-color yellow/pink blooms. Lovely rain lily. Hybrid from Indonesia. Source: hybrid of Fadjar Marta, named and introduced in 2006 by Plant Delights. *Kushner*
- Zep2550** *Zephyranthes fostertii* 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. *Kushner*
- Zep2890** *Zephyranthes La Bufa Rosa Group* GIANT PRAIRIE RAIN LILY TenBulb. Sun/PtShade. 6-10 x 4-6"; from 7-12" in bloom. Summer. Zone 7-10.  
0199 White/pink blooms. Discovered in 1990 in Tamaulipas, Mexico by Yucca Do Nursery. Flowers vary from white through shades of pink, repeat blooms all summer. Like most rain lilies, best grown in pots in our climate and overwintered dry indoors. Zone 7 *Cresson*
- 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. *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. *Kushner*
- Zep3000** *Zephyranthes La Bufa Rosa Group* 'Lucky All Over' RAIN LILY TenBulb. Sun/Pt.Shade. 8". Summer-Fall. Zone 7b-10b.  
0522 Dark Pink. Another Yucca Do rain lily. A drummondii hybrid. Petals overlap. A lovely rain lily. Blooms from mid-July through September. *Kushner*
- Zep3250** *Zephyranthes macrosiphon* RAIN LILY TenBulb. Sun/PtShade. 6 x 6"; from 7-12" in bloom. Summer.  
0199 Nonhardy Mexican species easily grown in a pot. Strap-like green foliage in clumps produces 10" tall stems topped with wide open rich rosy flowers, followed by repeat bloom. A mass of the easy-to-grow ~*Z. macrosiphon*~ is an absolute stunner in full bloom. Be sure to keep it moist. Even boggy conditions work great! For winter dry off in pot and put the pot away for winter. Water in spring and enjoy the plant again. Zone 7 *Cresson*
- Zep3700** *Zephyranthes* 'Pacific Sunset' RAIN LILY TenBulb. Sun/Pt. Shade. 8". Summer.  
0522 Coral. A cross between *Z. grandiflora* and *Z. citrina*. Originally bred by Fadjar Marta. Source: Edens Blooms. *Kushner*
- Zep3750** *Zephyranthes* 'Pink Beauty' RAIN LILY TenBulb. Sun/Pt.Shade. 8" Summer.  
0522 Strong pink with white centers. New hybrid from India. Source: Edens Blooms. *Kushner*
- Zep3900** *Zephyranthes primultna* 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. *Kushner*  
1999 Flowers are pale lemon with a salmon- pink blush on the outer petals. Large yellow rain lily prefers full sun, is self-fertile and blooms heartily after a thunderstorm. Sow seeds immediately upon receipt as viability decreases with prolonged storage. Sow at 70°F; expect germination in two to three weeks. Germ: BC, BH, W, NST Zone 8a *Norfolk Botanical staff*
- Zep4500** *Zephyranthes* species RAIN LILY TenBulb. Sun. 6 x 6". Late Summer-Fall.  
0522-A Pale pink fades to white. An unknown zephyranthes. Blooms well. *Kushner*  
0522 Pale pink with deep throat. Cannot identify this zephyranthes. Lovely. *Kushner*

## Zephyranthes - Zizia

- Zep4550** *Zephyranthes* 'Star Spangled' STAR SPANGLED RAIN LILY TenBulb. Sun. 8". Summer. Zone 7b-10b.  
0522 Bicolored flowers with white in the center and pink on tips. Blooms on and off through the summer. A Labuffarosea YuccaDo hybrid. *Kusbner*
- Zep4570** *Zephyranthes* 'Summer's Chill' RAIN LILY TenBulb. Sun/pt.sun. 8". Summer-Fall Zone 7b-10b.  
0522 Multi-color pink and white. Originally from Yucca Do. Found in Mexico. Glossy strappy leaves with lovely large white flowers with pink tips. I grow all of my Zephyranthes in pots. *Kusbner*
- 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. *Kusbner*
- Zin1350** *Zinnia elegans* ZINNIA Annual. Full Sun. 1'-4' tall. Summer  
0590 From mix of Cut & Come Again and California Giant. Germ: NST. Zone 7a *Mabony*  
3176 Mixed colored flowers. Easy to grow annual. Great for cutting. Attracts pollinators. Germ: SIS; Can be started indoors, 6-8 weeks before last frost date. Zone 7a *Maber*
- Zin1400** *Zinnia elegans* 'California Giant' MAMMOTH ZINNIA An. Sun. 3-4'. Summer-Fall.  
5082 Multiple colors--yellow, white, orange, red, purple, and pink. Petal shapes vary. Germ: SR. Zone 6b *Smith, C*
- Ziz2150** *Zizia aurea* GOLDEN ALEXANDERS Per. Sun. 2-2½'. Spring-Early Summer.  
1017 Acid-yellow-blooming. Early bright woodland edge plant, 15-24" tall. Short lived, but prolifically seeding plant. Zone 5b *Whitesell*  
9985 Yellow blooms. Native to moist meadows/open woodlands and best for a naturalistic garden. Will spread. Germ: CMS: 60 d. OW. NST. Best sown into a container outside in late fall. Zone 7a *Jenkins Arboretum*







# HPS/MAG Seed Exchange Order Form

## PLACING YOUR SEED ORDER

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

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

**Please submit your order online at [hardyplantseedshop.org](http://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, Wynd-

<b>Name</b> _____
<b>Street Address</b> _____
<b>City, State, Zip</b> _____
<b>Email</b> _____

moor, PA, 19038. Payment required is \$20.00 if posted online or postmarked by the deadline, January 17, and \$25.00 if after and until January 23, only if postmarked.

**No orders will be accepted after January 23. Online orders must be entered by January 17.**

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

Dual members of a single household may each place an order; each order requires the \$20.00 regular or \$25.00 late payment fee and only one is entitled to the donor/volunteer bonus, if applicable.

<b>ONLINE</b>	<b><a href="http://hardyplantseedshop.org">hardyplantseedshop.org</a></b>
<b>BY MAIL</b>	<b>Mary Ann Thomas 8600 Elliston Drive Wyndmoor, PA 19038 ma.weeder@gmail.com 215-233-3071</b>

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.

<b>FIRST CHOICES LIST:</b> Identify in alphanumeric order. <i>Please print neatly!</i>				<b>DONOR/VOLUNTEER BONUS SEEDS:</b> Continue listing in alphanumeric order <b>only</b> 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				<b>ALTERNATE CHOICES LIST:</b> 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 2019–2020 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.