



The Hardy Plant Society/Mid-Atlantic Group

2017–2018 Seed Exchange Catalog

MID-ATLANTIC GROUP

The 24th annual edition of the Seed Exchange Catalog includes 933 seed donations contributed by 58 gardeners, from beginners to professionals. Over 124 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 selec-

tions 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 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.

Agard, Beverly 3448 (6)	Doering, Alice 239 (6)	Norfolk Botanical staff 1999 (8a)
Aquascapes Unlimited	Ellis, Barbara 269	Ogorek, Carrie 3462 (6b)
/ Heffner, Randy 1114	Garnett, Polly 318	Perron, William 3321 (6)
Axel, Laura 3132 (7a)	Gregg, John 3001 (7)	Plant Delights, 32
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Bennett, Teri 1865 (7)	Humphrey, Donald & Lois 446	Rifici, Stephen 3540 (7)
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/ Hviid, Dorthe 1143 (5b)	Kolo, Fred 507 (7)	Scott Arboretum 9995
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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.

Carole MaherSeed Exchange Chair
Susan DoblmaierSeed Exchange Vice Chair
Sandy VernickRetiring Seed Exchange Chair
Jim BobbSeed Catalog Editor, Data Entry, and Archive Master
Loretta DeMarcoDonation Receiver
Lynn CherrySeed Coder
Mary Ann ThomasNomenclature, Code Master, Order Tallier, and Proofreader

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 alpha-numerically by plant code. We have listed each plant and the basic facts about it only once in the following format:

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

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

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

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

Botanical name abbreviations

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

Plant types abbreviations

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

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*.

Abe0050 *Abelmoschus manihot*. ORNAMENTAL OKRA, SUNSET HIBISCUS. An. Sun. 6+ x 3'. Summer–Fall.

199–Pale yellow with maroon centers. Evenly moist soil, likes heat. Self-sows. Blooms with asters. *Cresson*.

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. *Doblmaier*.

Abe1000 *Abelmoschus manihot* ‘Mischief’. MUSK MALLOW. TenPer. Sun/PtShade. 20 x 16–20”.

65–*Berger*.

Abu2100 *Abutilon* ‘Voodoo’. FLOWERING MAPLE. TenPer. Sun/PtShade. 6 x 1’. Spring–Fall. Zone 7b–10b.

627–Four foot shrub with three-inch, bell-shaped crimson flowers. Germ: W; 21 d. *McShane*.

Ace0030 *Acer buergerianum*. TRIDENT MAPLE, THREE-TOOTHED MAPLE. Tree. Sun. 30 x 25’. Zone 5–9.

3001–Native to Eastern China, named for its wide, trilobed leaves. To 20–30’, with attractive red/orange fall color. Popular for Bonsai. Germ: CMS: 60 d. Seed has been moist packed warm, so will need 2 mo cold on receipt. *Gregg*.

Ace0200 *Acer davidii*. SNAKEBARK MAPLE. Tree. PtShade. 20 x 15’. Spring.

199–Understory tree with striking green- and white-striped bark. Perhaps one of the better adapted snakebark maples for our climate. The parent tree was raised from seed from the Kalmthout Arboretum in 1978. Native to China. *Cresson*.

Ace0500 *Acer griseum*. PAPERBARK MAPLE. Tree. Sun/PtShade. 30 x 30’. Spring. Zone 4–8.

627–Yellow flowers. Cut-leaved foliage turns a beautiful red in fall. Attractive, peeling, reddish bark. Mature, well pruned trees are beyond beautiful. *McShane*.

3001–Asian native with distinctive/decorative cinnamon color, peeling bark. Fall leaf color red/orange. To 20–30’. Germ: CMS: 90 d. Seed has a notoriously low germination rate (10–15%). Seed is moist packed warm, so will need 90–120 d cold on receipt. *Gregg*.

Ace0630 *Acer japonica* ‘Acontifolium’. FULL MOON MAPLE. Tree. PtShade. 10 x 10’. Zone 5–7.

3001–Prefers dappled shade, zone 5 (does not do well below zone 7), to 10 x 10’. Great reddish orange fall color. Can be multitrunked. A good choice for a smaller Japanese maple. Germ: CMS: 60 d. Seeds are moist packed warm. Give 60–90 d cold on receipt. *Gregg*.

Ace0900 *Acer palmatum*. JAPANESE RED MAPLE. Tree. Sun/PtShade. 15–25 x 15–25’. Spring. Zone 6–9.

2937–Seed is from a 20’ tall tree with purple foliage. Seedlings also show a range of purple foliage and should have a similar mature height. *Bittmann*.

Ace1300 *Acer palmatum* ‘Sango-kaku’. SANGO-KAKU, CORAL BARK MAPLE. Tree. Sun/PtSun. 20–25’. Spring. Zone 5–8.

3001–A medium sized Japanese maple, to 20’. Its winter interest is its bright red upper limbs. Relatively fast growing. Small leaves; fall color is orange to red. Germ: Seed is moist packed. Give 2–3 mo cold on receipt. *Gregg*.

Ach0700 *Achillea siberica* ‘Japanese Lace’. JAPANESE LACE SIBERIAN YARROW. Per. Sun. 3’. Summer. Zone 5a–8b.

32–Pink blooms. Seed strain from a collection from Hokkaido, Japan. Germ: W, SS, NST. *Plant Delights*.

Acm0050 *Acmella oleracea* (syn. *Spilanthes oleracea*). EYEBALL PLANT, TOOTHACHE PLANT, PARA CRESS. TenPer. Sun/PtShade. 12–18 x 12–15”. Summer–Fall. Zone 9b–11.

2199–Germ: SIS, NST. Self-sows, but is not a pest. *Cherry*.

Act0869 *Actaea japonica* ‘Silver Blush’ (syn. *Cimicifuga japonica* ‘Silver Blush’). SILVER BLUSH JAPANESE COHOSH. Per. Sun/PtSun. 30”. Summer. Zone 5a–8a.

32–White blooms. Germ: OW, BC, NST. *Plant Delights*.

Act0900 *Actaea racemosa* (syn. *Cimicifuga racemosa*). BLACK COHOSH, BUGBANE, FAIRY CANDLE, BLACK SNAKEROOT. Per. PtShade. 7 x 2’. Summer.

926–White flowers born in wands in July above handsome foliage. Germ: Cycle: WMS 3mo, CMS 3mo. *Streeter*.

Act2000 *Actaea simplex Atropurpurea Group* (syn. *Cimicifuga ramosa* var. *atropurpurea*). BUGBANE. Per. PtShade. 4 x 4’; from 6–7’ in bloom. Fall.

318–Fragrant, white flowers in September. Foliage dark purple. Turns dark green in fall. From plant acquired as ‘Hillside Black Beauty’. *Garnett*.

Act3100 *Actaea simplex Atropurpurea Group* ‘Brunette’ (syn. *Cimicifuga simplex* (Atropurpurea Group) ‘Brunette’). BUGBANE. Per. PtShade. 4 x 2’. Fall.

797–White flowers. *Robinson*.

3321–White blooms. Autumn flowering, very dark foliage. Germ: Cycle: warm (70°) for 3 mo, then 3 mo cold (40°). *Perron*.

Aet0050 *Aethionema grandiflorum*. PERSIAN CANDYTUFT. Per. Sun. 1 x 1’. Spring–Summer.

199–Somewhat blue-green foliage. Related to *Iberis*, but pink. Great between rocks in dry sunny places with good drainage. Self-sows, but in a friendly manner. *Cresson*.

Aga1800 *Agarista populifolia*. FLORIDA LEUCOTHOE, PIPESTEM. Shrub. PtShade. 8–12’. Zone 6–9.

3001–White, fragrant blooms. 8–12’, zone 6, prefers light shade. A great shrub for the woodland or natural garden. Does sucker, but can be controlled. Responds well to pruning, and can be used as a hedge. Also, a good choice for bank stabilization. Germ: W, SS, *Gregg*.

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*.

Aga2650 *Agastache foeniculum* ‘Golden Jubilee’. ANISE HYSSOP. Per. Sun. 3–5 x 1–2’. Summer–Fall.

1313–Fragrant, purple-blue flowers. Bright yellow foliage. *Linden Hill Gardens*.

Aga3700 *Agastache rupestris*. SUNSET HYSSOP, LICORICE MINT. Per./Subshrub. Sun. 3 x 3'. Summer–Fall.

199–Salmony pink blooms. Wispy, hardy, well-behaved perennial with gray-green foliage that likes to seed into sunny dry, well-drained cracks and crevices, as well as open ground. Deliciously fruity foliage scent. *Cresson*.

522–Orange flowers with lavender calyces. Wonderfully aromatic. Notable for its gray/green leaves and contrasting flowers. Needs good drainage. Germ: W; 14+d. *Kushner*.

Agr2000 *Agrimonia gryposepala*. Per. Sun/PtShade. 5 x 1'. Summer.

239–Great yellow color accent for woodland. Yellow flowers are “fireworks”-like! Germ: BH; BC; NST; 2 wk. May reseed a little in garden. *Doering*.

Alc0050 *Alcea rosea* (all colors). HOLLYHOCK. Bien./Per. Sun. 2 x 2'; from 6–8' in bloom. Summer.

797–Rose-colored flowers. *Robinson*.

Alc1600 *Alcea rosea* ‘Nigra’. BLACK HOLLYHOCK. Bien. Sun. 1½ x 1½'; from 6–7' in bloom. Summer.

2429–Maroon/black blooms. Germ: W, NST. *Bricker*.

Alc1850 *Alcea rosea* ‘Polarstar’ (Spotlight Series). HOLLYHOCK. Per. Sun. 5–6 x 2'. Summer. Zone 3a–10b.

965–White blooms. Plant grown was only hollyhock in the garden so it should come true. Very vigorous bloomer, getting to 7' tall. *Umphrey*.

Alc1900 *Alcea rosea* (pink, single). HOLLYHOCK. Bien. Sun. 2 x 2'; from 6–8' in bloom. Summer.

1020–Deep pink, single flower. *Wiedorn*.

Ali1050 *Alisma lanceolatum*. WATER PLANTAIN. Per. Sun/PtShade. 1 x 1'; to 2' in bloom. Summer.

199–Pink flowers. Grows at water's edge or in water several inches deep. Numerous tiny pink flowers on much-branched stems give a baby's-breath-like effect. Attractive clean foliage. A miniature of the more common *A. plantago-aquatica*. Perfect for the garden pool. *Cresson*.

All0050 *Allium aflatunense*. PERSIAN ONION. Bulb. Sun. 1 x 1'; from 2–3' in bloom. Spring.

590–Purple, 4" diameter globes. Foliage declines prior to or with flowering, so needs overplanting. *Mahony*.

All1000 *Allium angulosum*. MOUSE GARLIC. Per. Sun. 6–12 x 12". Late Spring–Early Summer. Zone 4a–8b.

118–Pale purple/pink blooms. Hardy bulb to 16?. Mouse Garlic. Europe. Loose heads formed by multiple, cup-shaped flowers of pale purple. Blooms June to August. Sun. Germ: CMS: 50 d, C, OW, BC. *Stonecrop Gardens*.

All4000 *Allium cepa* var. *aggregatum*. YELLOW POTATO ONION, PREGNANT ONION. Bulb. Sun. 12–18". Summer.

269–White blooms. This perennial onion forms clumps of bulbs that are tasty but not too strongly favored. These bulbs typically are planted in late summer or early fall for harvest the following summer. Plant in spring in full sun around the last frost date. Plants bloom in summer. Dig the clumps after the flowers fade and the foliage begins to yellow in late summer. Clumps yield a mix of small and large bulbs that range from 3–4". Use the large bulbs and save some of the smaller ones for replanting. Germ: NST. Store bulbs in a cool, dry place until planting. *Ellis*.

All4010 *Allium cepa* var. *proliferum*. EGYPTIAN WALKING ONION. Bulb. Sun/PtShade. 2'. Spring–Summer.

269–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 1/8 to about 1/2". 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. 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! *Ellis*.

All5300 *Allium flavum*. YELLOW ONION, ORNAMENTAL ONION. PerBulb. Sun/PtShade. 4–6 x 8"; to 8" in bloom. Spring–Summer.

199–Bright yellow flowers. Silvery blue-green foliage. *Cresson*.

All5400 *Allium flavum* subsp. *tauricum*. YELLOW GARLIC. Per. Sun. 6–12 x 12". Summer. Zone 4a–8b.

2937–Unlike the straight yellow-flowering species, this seed is from a range of pastel shades in lemon yellow, rusty cinnamon, and dusky pinks. Not the showiest flower, but it's one you'll want to kneel down and admire regardless. Some plants may have a dusty ‘bloom’ of powder on the foliage and flowers which of course makes them even more interesting. *Bittmann*.

All6100 *Allium* ‘Millennium’. ORNAMENTAL ONION. Bulb. Sun/PtShade. 1½ x 1½'. Summer.

9969–Purple blooms. *Zatsick*.

All7510 *Allium senescens* subsp. *montanum* var. *glaucum*. PerBulb. Sun. 4 x 8". Summer.

199–Pink flowers. August bloom above gray-green glaucous foliage. An easy rock garden plant and strong enough for other uses among low-growing plants. *Cresson*.

All8100 *Allium thunbergii*. ORNAMENTAL ONION. Bulb. Sun/PtShade. 6–12 x 6–9". Fall. Zone 4–9.

199–Deep pink flowers. A clumping onion with bunches of narrow leaves all season, topped with 12" stems with deep pink flowers in Autumn. *Cresson*.

All8300 *Allium tuberosum*. GARLIC CHIVES, CHINESE CHIVES. Per. Sun. 10–20 x 6"; to 2' in bloom. Summer–Fall.

239–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. *Doering*.

1020–White flowers. Late bloomer with pleasing seed heads. Culinary and ornamental. Germ: NST; SIS. *Wiedorn*.

2429–*Bricker*.

All8400 *Allium victorialis*. ALPINE LEEK. Bulb. PtShade. 6 x 12"; to 12" in bloom. Spring.

199–Greenish white flowers. Wide leaves make this onion especially interesting. European native. Summer dormant. *Cresson*.

Ama1080 *Amaranthus cruentus*. TASSEL FLOWER. An. Sun. 7–8'. Summer.

797-Dark purple flowers and foliage. Prefers hot, sandy, or gravelly soil. Best SIS early. Germ: BC; SIS. *Robinson*.

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. *Bittmann*.

Ama1500 *Amaranthus* 'Hopi Red Dye'. An. Sun. 3–4 x 2'. Summer–Fall.

1313-Deep red flowers. Height 4–6'. Entire plant is deep red. *Linden Hill Gardens*.

1918-Dark red/burgundy blooms. Annual. Grows 4–5' tall. Deep red foliage and large flower heads. Young leaves may be used in salads. Full sun. Self sows. Germ: NST, SIS. Sow directly in spring or fall. *Carey*.

2937-Red blooms. *Bittmann*.

Amm1050 *Ammi visnaga*. An. Sun. 3–4 x 2'. Summer.

200-White flowers. Plant looks like Queen Anne's Lace, but foliage is ferny. Great for arrangements. Germ: SIS. Self-sows. *Creveling*.

Ams0050 *Amsonia hubrichtii*. BLUE STAR, ARKANSAS AMSONIA. Per. Sun/PtShade. 3 x 3–4'. Spring.

926-*Streeter*.

Ams2050 *Amsonia tabernaemontana*. BLUE STAR. Sun/PtShade. 2 x 1½'. Spring/Summer.

965-Light blue blooms. Tough native with pretty blue flowers in spring and long-lasting, 3' foliage that turns butter yellow in fall. Shrub-like effect in borders. *Umphrey*.

And2000 *Andropogon gerardii*. BIG BLUESTEM. PerGrass. Sun. 6'.

2937-These are seeds from 'Red October', a big bluestem with foliage and stems which turn purple in late summer and then change to scarlet once temperatures drop. Even if the seedlings turn out to be plain green, it's still a nice tall grass. *Bittmann*.

Ane1350 *Anemone x hybrida* 'September Charm'. Per. Sun/PtShade. 2–4 x 2–3'. Late Summer/Fall. Zone 4–8.

543-Pink flowers. Late Summer/Fall Bloomer, 3' tall. Nice in the back of the border. Germ: SS; NST, SIS. *Leasure*.

Ane6500 *Anemone virginiana*. Per. Sun/PtShade. 2 x 1'; to 30" in bloom. Late Spring.

3321-White and green blooms. Spreads well in good conditions. Germ: CMS: 60 d, R, SS. 60 d. *Perron*.

Ane9010 *Anemone* species. WINDFLOWER. Per. Sun/PtShade. 30". Spring.

45-Pink, red, and purple blooms. A mix of hybrid spring anemones. Germ: NST. Sow on granite grower grit, cover seed with same. *Bartlett*.

Ane9100 *Anemonella thalictroides*. RUE ANEMONE. Per. 4 x 12". Early Spring.

2137-White blooms. A native of Eastern woodlands, this diminutive charmer has delicate blue-green foliage reminiscent of maidenhair fern, topped by flowers shaped like tiny anemones in spring to early summer. Only reaching 4–6", plants are deer resistant and low maintenance. Germ: Cycle: refrigerate 3 mo, room temperature 3 mo, D. Sow immediately. Fresh seed is needed for good germination. *Boylan*.

Ang1050 *Angelica gigas*. KOREAN ANGELICA. Bien./Per. PtShade/Shade. 6–8 x 2–3'. Summer.

118-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 colour and lends this plant another dimension. Please note, 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. *Stonecrop Gardens*.

965-Dark red/burgundy blooms. A valuable biennial for dramatic late summer color. Grows 3' tall and takes full sun or part shade. *Umphrey*.

1313-Burgundy flowers. 5–6' tall in bloom. *Linden Hill Gardens*.

Ang3010 *Angelica polymorpha*. Per. Sun/PtShade. 3–4 x 1–3'. Summer. Zone 5.

118-White blooms. Exquisite, airy umbels of white flowers and attractive lobed leaves. The flowering umbels look like a perfect firework display. A choice plant. Perennial to 6'. Sun. Germ: WMS: 21 d; Cycle: Follow with cold period for 35 d. Once seed has germinated, keep pans cool (41–54°). BC. *Stonecrop Gardens*.

Ant0050 *Anthemis tinctoria*. Per. Sun. 1½–2 x 1–1½'. Spring–Fall.

592-Yellow blooms. Adding these bright daisies to my ersatz meadow. Bloom first yr from seed. *Malocsay*.

***** *Anthericum* species. See: *Chlorophytum* species.

Ant2000 *Anthericum ramosum*. Per. Sun. 2–3'. Summer.

199-Numerous miniature, white lily flowers along wiry branched stems in early summer above narrow strappy foliage. Develops into a nice clump. Native E. Europe to Turkey in rocky grassy semi-arid slopes. Easy and not fussy in average soil. *Cresson*.

Ant3050 *Anthriscus sylvestris* 'Ravenswing'. BLACK COW PARSLEY. Bien. Sun. 2½ x 2'. Spring–Summer.

965-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. *Umphrey*.

Ant4020 *Antirrhinum hispanicum*. Per. Sun. 1 x 1–2'. Spring and Fall. Zone 5a–8b.

199-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. *Cresson*.

Antirrhinum – *Asclepias purpurascens*

Ant4300 *Antirrhinum* species. SNAPDRAGON. An. Sun/PtShade.

592-Spring/fall mix of good colors. Bushy, volunteering when it came, undiminished five years now. Short-lived perennial here, especially floriferous as summer cools into fall. Prefers sun/part shade, spring/fall, 1-2' tall. Germ: SIS, NST. *Malocsay*.

Aqu0050 *Aquilegia alpina*. ALPINE COLUMBINE. Per. Sun. 1-1½ x 1'; to 2½'. Late Spring–Summer.

522-*Kushner*.

Aqu4000 *Aquilegia* species (individual colors). COLUMBINE. Per. Sun/PtShade. 2 x 1'. Spring.

3448-Yellow blooms. *Agard*.

Aqu4100 *Aquilegia* species (mixed colors). COLUMBINE. Per. Sun/PtShade. 2 x 1'. Spring.

318-Purple, blue, and white flowers. *Garnett*.

Aqu5000 *Aquilegia vulgaris*. COLUMBINE. Per. Sun/PtShade. 2 x 1½'. Spring–Summer.

522-Deep purple blooms in late spring through early summer with gray-green foliage. Source: Niche Gardens. Germ: CMS or SIS. *Kushner*.

Aqu5300 *Aquilegia vulgaris* 'Hedgleigh Bicolor'. COLUMBINE. Bien. PtShade. 25 x 12". Spring.

199-Blue with white center flowers on a self-supporting plant. Shorter than the species. A selection of Charles Cresson that breeds true. *Cresson*.

Aqu5940 *Aquilegia vulgaris* var. *stellata* 'Black Barlow'. COLUMBINE. Per. Sun/PtShade. 15 x 12; to 30" in bloom. Late Spring–Early Summer.

627-*McShane*.

2515-The black flowers combine well with any light colored spring ephemeral. Germ: NST. *Doblmaier*.

Ara2070 *Aralia californica*. ELK CLOVER, CALIFORNIA SPIKENARD. Per. Sun/PtShade. 3-4'. Late Spring–Early Summer. Zone 3a-8b.

32-White compound racemes of umbels from plants hardy in Chris Chapin's garden in NY, to 8' in shady moist areas. Clumping, not running. Germ: OW, SS, NST. *Plant Delights*.

Ara2090 *Aralia cordata*. JAPANESE SPIKENARD. Per. PtSun. 3-6 x 3-6'. Summer. Zone 4a-8b.

32-White blooms. Germ: OW, SS, NST. *Plant Delights*.

Ara2500 *Aralia racemosa*. AMERICAN SPIKENARD. Per. Sun/PtShade. 3 to 6+ x 4'. Summer.

1017-Greenish yellow blooms. A tall (6') bold-textured woodland plant that is quite shade tolerant. Lovely foliage and fruit. A very desirable plant in a garden or woodland setting. *Whitesell*.

Ari0550 *Arisaema consanguineum variegated*. JACK IN THE PULPIT. Bulb. Sun/PtShade. 2-3 x 1-2'. Late Spring/Early Summer. Zone 5b-9b.

3001-Silver-variegated form of consanguineum. Attractive structure. Can be invasive if seed is allowed to spread. Germ: CMS: 30 d, then cool to germinate irregularly. *Gregg*.

Ari2500 *Arisaema heterophyllum*. COBRA LILY. Per. PtShade. 2-3½ x 1'. Spring.

2429-An easy, taller jack-in-the-pulpit with the flower held above the horseshoe-shaped leaf. *Bricker*.

3321-Green/pale yellow blooms. Grows to 3' tall with large horseshoe leaf and spadix with 1' long tongue. Germ: Soak: 7 d; W. *Perron*.

Ari7250 *Aristolochia fimbriata*. WHITE-VEINED DUTCHMAN'S PIPE. TenPer. Vine. Sun/PtShade. 2' in a pot, 6' in ground. Summer. Zone 7-10.

32-Flowers yellow and brown. Germ: OW, W, BC, NST. *Plant Delights*.

200-Brown-green flowers on vine. Interesting seedpod. *Creveling*.

592-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. *Malocsay*.

Art2650 *Artemisia lactiflora*. WHITE MUGWORT. Per. Sun. 4-5'. Late Summer/Early Fall. Zone 3-8.

199-In August, the white, plummy flowers are most welcome. Finely cut foliage is green. *Cresson*.

Aru2000 *Arum italicum*. LORDS AND LADIES. PerBulb. PtShade/Shade. 12-16½ x 6". Spring. Zone 5-9.

3321-Yellow-green/white blooms with variegated leaves fall to spring, dormant in summer, and stalk of red berries late-summer. Germ: Soak: 48 d, Cycle: 3 mo at 70°, followed for 3 mo at 40°, then repeat. W, D, SR, 90 d. *Perron*.

Aru3010 *Aruncus aethusifolius*. DWARF GOAT'S BEARD, KOREAN GOAT'S BEARD. Per. Sun/PtShade. 6 x 10". Summer.

239-White flowers. An easy-to-grow addition for the front of a shade garden. Has self-sown in my garden. *Doering*.

318-*Garnett*.

1939-White bloom. Shade or part shade. Germ: BH. 2-4 wk. *Urffer*.

***** *Asarina erubescens*. See: *Lophospermum erubescens*.

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

199-White and yellow blooms. Per. Sun/PtShade. 2" x 2'. Spring-Fall. Drought tolerant hardy perennial that creeps in and around dry stone walls. Rounded fuzzy greyish green foliage and perfect white snapdragon flowers with yellow lips. Seeds itself politely and conveniently. *Cresson*.

Asc0050 *Asclepias asperula*. ANTELOPE HORNS, SPIDER MILKWEED, GREEN-FLOWERED MILKWEED. Per. Sun. 1-2'.

446-*Humphrey*.

Asc2500 *Asclepias incarnata*. SWAMP MILKWEED. Per. Sun. 4 x 2'. Summer.

507-White form. Monarch food. *Kolo*.

Asc3050 *Asclepias purpurascens*. PURPLE MILKWEED. Per. Sun. 2-4 x 1-3'. Late Spring–Early Summer.

965-Large, strikingly vivid rose flowers in early summer. Slow to establish, but worth the wait. *Umphrey*.

- Asc3700** *Asclepias syriaca*. COMMON MILKWEED. Per. 2–4'. 200–Mauve flowers. Easily grown, drought tolerant. Leaves are food source for monarch caterpillars. *Creveling*.
543–Pink, mauve, and white blooms. Coarse native, 3–4'. Dried pods good for floral arrangements. Leaves host Monarch butterfly larvae. Germ: W; Rtp; NST. *Leasure*.
- Asc4010** *Asclepias tuberosa*. MILKWEED, BUTTERFLY WEED. Per. Sun. 2–3 x 1–2'. Summer–Fall.
9995–Orange-flowering milkweed. *Scott Arboretum*.
- Asi1050** *Asimina triloba*. PAWPAW TREE. Shrub/Tree. Sun/PtShade. 20 x 20'. Spring.
1017–Blood red blooms. A suckering, small tree with large tropical-appearing fruit. Acrid petroleum smell when you uproot suckers, and you will. *Whitesell*.
2463–Purple blooms. Collected from a grove on the side of a mountain Germ: Cycle: may need cold/warm/cold treatment. I will be starting a cold treatment soon, and I will try to time my mailing to the society as the “warm” between cold treatments. Please let me know if this is ok or if you have developed a better system. *Nolan*.
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. *Silberstein*.
- Asp0150** *Asparagus cochinchinensis* ‘Chuwang’. CHINESE TUBER ASPARAGUS. Per. Sun. 7'. Spring. Zone 5a–9b.
32–Seed strain from Mt. Chuwang in South Korea. Germ: OW, W, D, NST. *Plant Delights*.
- Asp0200** *Asparagus microrhaphis*. Per.
32–Germ: W, BC, NST. *Plant Delights*.
- Asp0550** *Asphodeline lutea* ‘Italian Gold’. KING’S SPEAR. Per. Sun. 3–4 x 1–2'. Spring. Zone 6–9.
32–Yellow blooms. Germ: W, BC, NST. *Plant Delights*.
- Ast0300** *Aster ageratoides*. JAPANESE ASTER. Per. Sun/PtShade. 18 x 24". Fall.
199–White blooms. This Japanese aster has been going around American nurseries under wrong name of *Gymnaster savatieri* (an early summer bloomer) for some years and I’ve just discovered 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. *Cresson*.
- ***** *Aster divaricatus*. See: *Eurybia divaricata*.
- Ast1450** *Aster drummondii*. Per. Sun/PtShade. 5'. Fall.
199–Pale lavender flowers. Branched, dense racemes of numerous, small pale lavender to near white daisies in October. Quite showy and rare. Native. *Cresson*.
- Ast2500** *Aster laevis*. Per. Sun/PtShade. 3½ x 1½'. Summer/Fall.
3540–Light blue blooms. Germ: SR. *Rifici*.
- Ast2650** *Aster lateriflorus* (syn. *A. vimineus*). Per. Sun/PtSun/PtShade. 2–4 x 4'. Fall.
199–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. *Cresson*.
- Ast3000** *Aster linariifolius*. Per. Sun/PtShade. 2 x 1'. Late Fall.
199–Blue. Good drainage, even sandy. Drought tolerant. Excellent for planting in wall to cascade out. Pinch midsummer for branching. Many narrow leaves along stem. *Cresson*.
- Ast4320** *Aster novae-angliae* ‘Harrington’s Pink’. NEW ENGLAND ASTER. Per. Sun. Fall.
239–Soft pink blooms. Germ: W, BC, NST, SR. *Doering*.
- Ast4470** *Aster oblongifolius* ‘Fanny’. Per. Sun/PtShade. 3–6 x 3'; depends on fertility. Fall.
199–Purple-blue flowers. Unbelievably hardy flowers and foliage. In full bloom with green foliage at Thanksgiving. Looks like New England aster. You won’t believe it! Native. *Cresson*.
- Ast5700** *Astilbe chinensis var. pumila*. CHINESE ASTILBE. Per. PtShade/Shade. 9–12 x 9–12". Summer.
318–Lavender flowers in July–August. Prefer moist shade. *Garnett*.
- Ast6100** *Astilbe thunbergii var. okuyamae* (syn. *Astilbe okuyamae*). Per. PtShade/Shade. 12–18 x 18; to 2' in bloom. Summer.
199–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. *Cresson*.
- Atr1050** *Atriplex hortensis var. rubra*. RED ORACH, MOUNTAIN SPINACH. An. Sun. 4 x 1'. Summer.
2429–A dramatic self-sower: edible, red foliage in spring, and tall, arching sprays of flower/seed later in the season. Good for shaking up the vegetable garden. *Bricker*.
- Auc0500** *Aucuba japonica* ‘Emily Rose’. SPOTTED LAUREL. Shrub. Shade/PtShade. 4–5 x 4–5'. Zone 6–10.
522–Red-purple blooms, scarlet fruit. At maturity 4-5 x 4-5'. Leaves all green, large, and broadly toothed. *Kushner*.
- Auc1200** *Aucuba japonica* ‘Rozannie’. JAPANESE LAUREL. Shrub. PtShade/Shade. 4–6 x 4–6'. Spring. Zone 7–9.
522–Red berries. Glossy, all green leaves, lance-shaped, and serrated. 4-5 x 5'. *Kushner*.
- Auc1300** *Aucuba japonica* ‘Wisley Nana’. WISLEY DWARF AUCUBA. Shrub. PtShade/Shade. 3 x 3'. Zone 7b.
522–Red berries on a lovely dwarf aucuba with dark green foliage. Shade evergreen. Source: Camellia Forest Nursery. *Kushner*.
- Auc1350** *Aucuba japonica f. longifolia* (syn. *Aucuba japonica* ‘Angustifolia’). NARROW-LEAFED AUCUBA. Shrub. Shade. 5–7'. May. Zone 6b.
522–An upright aucuba with narrow, serrated leaves. Originally from the National Arboretum. My source: Woodlanders Nursery. *Kushner*.

Baccharis halimifolia – *Callirhoe bushii*

Bac1050 *Baccharis halimifolia*. GROUNDSEL BUSH, HIGHTIDE BUSH. Shrub. Sun. 5–12 x 5–12'. Fall.

200-Native shrub to 12 x 12'. White fluffy 'blooms' in November. Often grown at the shore, but ripped out for new houses. Worthy of preservation! Germ: NST. *Creveling*.

Bap1050 *Baptisia australis*. BLUE FALSE INDIGO, PLAINS FALSE INDIGO. Per. Sun. 3–5 x 2–4'. Early Summer. Zone 3–9.

1020-Blue flowers with interesting seedpods. Long-lived plant. Resents transplanting. Germ: NST. *Wiedorn*.

2429-*Bricker*.

9985-Blue blooms. Germ: CMS: 90 d, Scfy; OW; BC; NST; 30 d. *Jenkins Arboretum*.

Bap2010 *Baptisia lactea*. Per. Sun/PtShade. 4–5 x 3–4'. Summer.

1143-White blooms. Perennial. Full sun. Grows to 4'. Blooms June-July. Attracts pollinators. Germ: Soak: 30 d, CMS: 30 d, OW, D, SR. *Berkshire Botanical Garden*.

Bap2450 *Baptisia sphaerocarpa*. YELLOW WILD INDIGO. Per. Sun/PtShade. 2–3 x 2–3'. Late Spring. Zone 5–8.

1865-Yellow flowers. May have been pollinated by non-yellow baptisias. Germ: Scfy or Soak 1-2 d; W; D. *Bennett*.

Bas1500 *Basella rubra*. MALABAR SPINACH, RED VINE SPINACH. An./TenPer. PtShade. 10'.

2199-Purple-white flowers. Vine with attractive, glossy, dark green leaves and reddish stems. Edible. Germ: NST. *Cherry*.

Beg1050 *Begonia grandis* subsp. *evansiana*. HARDY BEGONIA. Per. PtShade/Shade. 2 x 1½'. Late Summer–Fall.

239-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. *Doering*.

318-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*.

522-Pink flowers on shade-loving perennial. Blooms July–October. 18-24" tall. Good companion to hostas and ferns. *Kushner*.

Beg1060 *Begonia grandis* subsp. *evansiana* var. *alba*. HARDY BEGONIA. Per. PtShade/Shade. 2 x 1½'. Late Summer–Fall. Zone 6–9.

522-White flowers on shade-loving perennial. Blooms July–October. 18-24" tall. Appreciates damp soil. Good companion to hostas, ferns, and other shade plants. *Kushner*.

Beg1100 *Begonia grandis* subsp. *evansiana* 'Heron's Pirouette'. HERON'S PIROUETTE HARDY BEGONIA. Per. PtShade/Shade. 15". Late Summer–Fall. Zone 5–9.

1607-Pink flowers. Masses of deep pink, nearly 12"-long flower clusters, followed by warm pink seed heads. Prefers well-drained soil and bright shade. *Jellinek*.

***** *Belamcanda chinensis*. See: *Iris domestica*.

Ber1960 *Berlandiera lyrata*. CHOCOLATE FLOWER. Per. Sun. 12–15 x 18–24". Summer to frost. Zone 4–8.

592-Yellow flowers. Chocolate scent is real, mornings only. Cheerful yellow daisies. SW native likes it hot and bright. New start this spring. Continuous bloom June to frost. *Malocsay*.

Ble3000 *Bletilla x yokohama* 'Kate'. KATE HYBRID HARDY GROUND ORCHID. Per. PtSun. 3.5'. Late Spring. Zone 6a–9b.

2137-Lavender blooms. *Bletilla* 'Kate' makes a typical clump of upright, sword-like, pleated, green leaves topped, starting in late spring, with 40" tall spikes terminating in an open cluster of medium lavender flowers, each highlighted by a dark purple stripe down the back center of each petal and a very dark purple lip surrounding a yellow throat. Germ: W, 90 d. *Boylan*.

Bol1500 *Boltonia asteroides* 'Snowbank'. Per. Sun. 3–4 x 3'. Summer–Fall.

239-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. *Doering*.

***** *Brodiaea laxa*. See: *Triteleia laxa*.

Bro1050 *Browallia americana*. JAMAICAN FORGET-ME-NOT, BUSH VIOLET. An. Sun/PtShade. 2 x 2'. Late Summer–Fall.

1143-Sky blue flowers. Annual. Full sun to part shade. Grows 20". Blooms summer to fall. Bushy plant fills gaps in your garden with bright. Germ: WMS: 21 d, W, BC, SR, NST. *Berkshire Botanical Garden*.

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. *Bittmann*.

Cal2200 *Callicarpa americana*. MEXICAN BEAUTYBERRY. Shrub. Sun/PtShade. 6 x 5'. Spring–Summer.

1865-Lavender blooms. Purple fruits in fall, more fruits if grown in sun. Germ: W; NST. *Bennett*.

Cal2450 *Callicarpa dichotoma*. BEAUTYBERRY. Shrub. Sun/PtShade. 4–5 x 4–5'. Summer.

45-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 hardiest of the beautyberries. Germ: BC, NST. 30 d. Easy. Don't water seedlings. *Bartlett*.

Cal2500 *Callicarpa dichotoma* f. *albifructa*. WHITE BEAUTYBERRY. Shrub. Sun/PtShade. 5 x 5'. Summer.

45-White blooms. Attraction is crop of white berries, down to the ground, in August–October. Fast growing. Germ: NST. 90 d. Easy to germinate and grow. Comes true from seed for me. Don't overwater seedlings. *Bartlett*.

Cal2980 *Callirhoe bushii*. BUSH'S POPPY MALLOW. Per. Sun. 12–18 x 24–36". Spring. Zone 4–8.

2429-Magenta blooms. Sprawling, tap-rooted plant similar to *C. involucrata*. Flowers glow in sunlight. May bloom June–frost. *Bricker*.

Cal3250 *Callirhoe involucrata*. WINE CUPS. Per. Sun. 1 x 1–3'. Spring–Summer.

199–Deep maroon with white center blooms. Prairie plant adapted to heat and drought and blooming through the summer on sprawling stems. *Cresson*.

Cal4110 *Caltha palustris* var. *major*. GIANT MARSH MARIGOLD, KING CUP. Per. PtSun/PtShade. 2½ x 4'.

199–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. *Cresson*.

Cal4250 *Calycanthus floridus*. COMMON SWEETSHRUB, CAROLINA ALLSPICE, STRAWBERRY BUSH. Shrub. 6–9 x 6–12'. Spring. Late Spring. Zone 4–9.

269–Maroon brown blooms. Native, 6–10' shrub that spreads as far. Ovate leaves are fragrant when bruised. Bears fragrant 2" flowers along the stems from May into July. Fragrance is fruity and the scent and intensity varies from plant to plant. Germ: Cycle: Soak seed 1 d before sowing, then WMS 120 d, CMS 60 d, *Ellis*.

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. *Boylan*.

Cam0050 *Camassia cusickii*. CAMASS LILY. Bulb. Sun/PtShade. 2½'. Spring.

199–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. *Cresson*.

Cam0200 *Camassia leichtlinii* var. *alba*. CAMASSIA. Bulb. Sun/PtShade. 2½'. Spring–Early Summer.

45–White flowers. Best doer of the camassias. Not difficult. U.S. West Coast native. Germ: Slow. Like many bulbs, cover with gravel. Transplant small bulbs in second spring. *Bartlett*.

Cam0320 *Camellia chekiangoleosa*. CAMELLIA. Shrub. Sun/PtShade. 7–10'. Late Winter–Early Spring.

199–Salmon-pink blooms. Shrub. PtSun/PtShade. 15 x 8'. Early spring. This new Chinese species, similar to japonica is equally hardy and tends to bloom a bit earlier in spring with large single flowers. Usually scarlet red, this plant is an intriguing salmony-pink. *Cresson*.

Cam0335 *Camellia japonica* (from Korea). Shrub. PtShade. 15 x 10'. Spring.

199–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 25 years, these are becoming small trees here. *Cresson*.

199B–Red flowers. Seed from superior, named clones selected from the hardy Korean japonicas. Deep red, single flowers with yellow stamens. Spring blooming but often open some flowers in November. Generally larger flowers and more compact habits. Probably zone 6a, at least. *Cresson*.

Cam0350 *Camellia oleifera*. TEA-OIL CAMELLIA. Shrub. Sun/PtShade. 15+ x 15+'. Fall.

3436–White blooms. Hardy at least to 6b. Flowers in fall. Sun to part or light shade in well-drained soil. Morning sun ideal. Germ: CMS: 60 d, BH, 40 d. One of the hardiest camellias. Ultimately a large, tree-like shrub. *Silberstein*.

Cam0600 *Camellia oleifera* hybrid (single pink, rusty bark). TEA-OIL CAMELLIA. Shrub. PtShade. 12 x 10'. Fall.

199–Single pink flowers. Cinnamon-colored bark. *Camellia oleifera* x ‘Cleopatra’. Parent plant with single pink blooms from mid-October through November. Attractive orange bark of *C. oleifera*. Very hardy. Seedlings will vary. *Cresson*.

Cam0800 *Camellia sinensis*. TEA PLANT. Shrub. PtShade. 5 x 5'. Fall.

199–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. *Cresson*.

Cam0850 *Camellia sinensis* ‘Rosea’. TEA PLANT. Shrub. PtShade. 5 x 5'. Fall.

199–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. *Cresson*.

Cam1000 *Camellia* ‘Survivor’. FALL-BLOOMING CAMELLIA. Shrub. 8 x 5'. Fall.

199–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. *Cresson*.

Camellia japonica – *Caryopteris x clandonensis*

Cam3331 *Camellia japonica* ‘**Berenice Boddy**’. JAPANESE CAMELLIA. Shrub. PtSun. 8–10 x 10’. Spring. Zone 7–9.

199-Pink blooms. Shrub. PtSun/PtShade. 8-10 x 10’. Spring. ‘Berenice Boddy’ is one of the hardiest classic cultivars and one of the most used in breeding for hardiness. It is also long blooming, often as early as February into April, so these seedlings have excellent potential. Single, clear pink. *Cresson*.

Cam5800 *Campanula trachelium*. BATS-IN-THE-BELFRY, THROATWORT. Per. Sun/PtShade. 3 x 1’. Summer.

797-Long-lasting, deep blue flowers. Low foliage and tall flower stalks. Germ: NST. *Robinson*.

Cam7000 *Camptotheca 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. *Norfolk Botanical staff*.

Can5100 *Canna x generalis*. An. Sun. 3–6’.

2937A-Rose blooms. Seed is from ‘Cannanova Rose’ and should be a similar color and around 4-5’ tall. Rhizome. Germ: Scfy. *Bittmann*.

2937B-Red flowers with bronze foliage. Seed is from ‘Cannanova Bronze Scarlet’ and should be a similar color and around 4-5’. Germ: Scfy, Soak. File through seed coat, soak in water, keep at a warm room temperature and change water daily. Once germination is obvious plant in soil. *Bittmann*.

Can6100 *Canna* ‘**Viva**’. TenBulb. Sun/PtSun. 4 x 2’. Summer–Fall. Zone 7b–11.

199-Red blooms. Tender bulb. Sun/PtSun. 4 x 2’. Summer–fall. A charming mid-sized canna with beet red foliage and vermillion red flowers. Seed grown canna are also free of the dreaded virus. *Cresson*.

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. *Weaver*.

Cap1120 *Capsicum annuum* ‘**Black Pearl**’. ORNAMENTAL PEPPER. An. Sun. 12–20 x 12–18”. Summer–Fall.

269-An annual grown for its nearly black leaves and bright red, round fruit. 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. *Ellis*.

Cap1300 *Capsicum annuum* ‘**Calico**’. ORNAMENTAL PEPPER. An. Sun. 12–18 x 12–16”.

269-Tender perennial ranging from 18-24” tall. Handsome foliage splashed with purple and white. Dark cone-shaped peppers mature to red. 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. *Ellis*.

Cap2250 *Capsicum annuum* ‘**Sedona Sun**’. ORNAMENTAL PEPPER. An. Sun. 9–12 x 14–16”. Summer–Fall.

2517-Masses of distinctive lemon yellow and carrot orange fruit put on a brilliant, multicolor display. 12” annual. Germ: NST. *Weaver*.

Cap2530 *Capsicum annuum* ‘**Wicked**’. ORNAMENTAL PEPPER. An. Sun. 6–8 x 5–7”. Summer–Fall. Zone 9–11.

2517-Grown for purple to red fruit. Flower is purple. Vigorous bushy habit with colorful fruit. Good for containers or beds. *Weaver*.

Cap2990 *Capsicum annuum* **cultivar**. ORNAMENTAL PEPPER—HOT. An./TenPer. 18–24 x 18”. Summer–Fall.

269-This form is identical to *Capsicum annuum* ‘Calico’, but the fruits are round, not oblong. *Ellis*.

2937-Seeds are from ‘Chilly chili’ and should produce upright peppers about 2” long on plants around 10” tall. The fruits begin pale yellow, turn orange, and then finish red, but are hot all the time. *Bittmann*.

3001-A small, hot pepper used in Thai cooking. Fruit is ¼ x ¾”. A medium hot to hot Habanero type, producing bright yellow, wrinkled, tear drop shaped fruit. Has the most flavor and aroma (of citrus) of the Habaneros. Can be halved, seeded, and frozen. Use judiciously. A third to a half of a pepper adds flavor to soups and stews without being too hot to taste the food. Plants are smaller, usually no larger than 18 x 18”, though a plant this size may produce 100+ peppers. Peppers dry and store well. *Gregg*.

Cap4000 *Capsicum chinense* ‘**Fatalli**’. HOT PEPPER. TenPer. Sun. 18–24”. Summer

3001-A medium hot to hot Habanero type, producing bright yellow, wrinkled, tear drop shaped fruit. Has the most flavor and aroma (of citrus) of the Habaneros. Can be halved, seeded, and frozen. Use judiciously. A third to a half of a pepper adds flavor to soups and stews without being too hot to taste the food. Germ: BH, Start early—needs 110-120 d to maturity. *Gregg*.

Car2500 *Carex muskingumensis*. PALM SEDGE. Sedge/Grass. Sun/PtShade. 2½ x 1½’. Summer.

1114-Tannish brown, decorative sedge with palm-like foliage. Spreads slowly via a short rhizome to form a fine-textured colony. Germ: CMS: 30-40 d; W; SS; SR; 20-30 d. *Aquascapes Unlimited*.

Car3450 *Caryopteris x clandonensis* **STERLING SILVER**. BLUEBEARD. Shrub. Sun/PtSun. 2–3 x 2’. Aug–Sept. Zone 5–9.

199-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. *Cresson*.

Car3500 *Caryopteris divaricata*. BLUE MIST SHRUB. Per. Sun/PtShade. 3–6 x 5'. Fall.

118-Violet-blue flowers with light green, aromatic foliage. Spikes of open, hooded flowers in late August. Germ: W; BC. *Stonecrop Gardens*.

1277-Haas.

***** *Cassia marilandica*. See: *Senna marilandica*.

Cea1040 *Ceanothus americanus*. Shrub. Sun/PtShade. 3 x 3–4'. Summer.

199-White blooms. Shrub. Sun/PtSun. 3 x 3. Early Summer. 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. *Cresson*.

Cen2245 *Centaurea montana* 'Amethyst Dream'. MOUNTAIN BLUET, PERENNIAL CORNFLOWER. Per. Sun/PtShade. 12–24 x 18–24". Early Summer. Zone 3–9.

199-Purple blooms. Per. Sun/PtShade. 12–24 x 18–24". Early Summer. A purple form of this blue species. Prune bloomed out stems to ground for new shorter blooming stems into mid-summer. *Cresson*.

Cen5700 *Centratherum punctatum*. BRAZILIAN BACHELOR'S BUTTON, BRAZILIAN BUTTON FLOWER, LARKDAISY. TenPer. Sun. 3 x 3'. Summer–frost. Zone 9–11.

592-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. *Malocsay*.

Cep0550 *Cephalanthus occidentalis*. BUTTONBUSH. Shrub. Sun/Pt. Shade. 8'. Summer.

239-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. *Doering*.

Cer1300 *Ceratotheca triloba*. SOUTH AFRICAN FOXGLOVE. An. Sun. 4–6 x 2½'. Summer–Fall.

592-Pink trumpets, handsome foliage, very quick to bloom from seed. *Malocsay*.

1143-Annual. Full sun. 4' tall. Blooms summer to fall. Full sun to part shade. Tall and elegant with foxglove-shaped lavender (sometimes white) flowers with grey-green foliage. Attracts hummingbirds/pollinators. Germ: WMS: 8 d, W, BC, NST, SR. *Berkshire Botanical Garden*.

2515-Doblmaier.

9995-Pink flowers. *Scott Arboretum*.

Cer1310 *Ceratotheca triloba* 'Alba'. AFRICAN FOXGLOVE, SOUTH AFRICAN FOXGLOVE. An. Sun. 15–18". Summer.

1313-White flowers. *Linden Hill Gardens*.

Cer2050 *Cercis canadensis*. EASTERN REDBUD, JUDAS TREE. Tree. Sun/PtShade. 30 x 30'. Spring.

3540-Pink blooms. Germ: CMS: 60 d, Scfy, SR. *Rifici*.

Cer3090 *Ceropegia africana* subsp. *barklyi*. Vine. PtSun. Zone 10a–11.

199-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*. *Cresson*.

Cer4000 *Ceropegia linearis* subsp. *woodii*. STRING OF HEARTS. Vine. Houseplant. Summer–Fall.

199-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. *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. *Silberstein*.

Cha0450 *Chaenomeles speciosa* 'Toyo-Nishiki'. FLOWERING QUINCE. Shrub. Sun/PtShade. 6–10 x 6–10'. Spring.

522-Reddish pink and white flowers; one of the loveliest quinces. Multiple-colored flowers on the same stem. Germ: CMS: 60+ d; SR. *Kushner*.

Cha0640 *Chamaecrista fasciculata* (syn. *Cassia fasciculata*, *Senna fasciculata*). PARTRIDGE PEA. An. Sun. 1–3 x 1–3'. Summer

1999-Golden yellow blooms. Self-seeding annual acts as a host or larval plant to the Sleepy Orange butterfly (*Eurema nicippe*), Cloudless Sulphur butterfly (*Phoebis sennae*), Gray Hairstreak butterfly (*Strymon melinus*), and Ceraunus Blue butterfly (*Hemiargus ceraunus*). Germ: CMS: 30 d, Soak: 1 d, Cycle: For the best germination rates, pour very hot water over the seed and soak it overnight; next, mix it with moist sand and store it in the refrigerator for 10–20 d before planting., *Norfolk Botanical staff*.

Cha1050 *Chasmanthium latifolium*. NORTHERN SEA OATS. PerGrass. Sun/PtShade. 3 x 2'. Summer/Fall.

543-Nice tall grass that tolerates shade. Forms dense stands. Takes at least one year to become established. Germ: NST; BC; W; 1mo. *Leasure*.

1313-Clump-forming, ornamental grass. U.S. native. *Linden Hill Gardens*.

Che2000 *Chelone glabra*. TURTLEHEAD. Per. PtShade. 2–3 x 2'. Summer–Fall.

199-White flowers. This mildly rhizomatous eastern native is ideal for moist meadows and woodland gardens. *Cresson*.

Che2200 *Chelone lyonii*. PINK TURTLEHEAD. Per. Sun/PtShade. 3–4 x 2'. Summer.

199-Clusters of pink tubular turtle-head shaped flowers in August are a nice companion to asters. About 3' tall. Germ: NST. *Cresson*.

***** *Cheiranthus x allionii*. See: *Erysimum allionii*.

Chi0750 *Chimonanthus praecox*. WINTERSWEET, JAPANESE ALL-SPICE. Shrub. Sun/PtShade. 10–15 x 8–12'. Winter.

522-Germ: SR. *Kushner*.

Chi0800 *Chimonanthus praecox* 'Luteus'. WINTERSWEET.

522-Purer yellow (no purple heart) than other chimonanthus. Stronger fragrance. High germination rate from seed. Source: Roslyn Nursery, 1996. Germ: CMS: 6 wk; C. *Kushner*.

Ch11000 *Chlorophytum liliago* (syn. *Anthericum liliago*). ST. BERNARD'S LILY. Per. Sun. 2 x 1'. Spring–Summer.

199-White blooms. Numerous miniature, white lily flowers along wiry stems in late spring above narrow strappy foliage. Develops into a nice clump. Native to southern Europe in rocky grassy semiarid slopes. Easy and not fussy in average soil. Differs from *A. ramosum* in earlier bloom and unbranched flower stalk. *Cresson*.

Chr0800 *Chrysanthemum indicum*. Per. Sun. 2'. Summer–Fall.

2937A-Mixed blooms. Will hopefully include a mix of colors and petal shapes, all on shorter to medium height plants. *Bittmann*.

2937B-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. *Bittmann*.

***** *Chrysopsis falcata*. See: *Pityopsis falcata*.

Chr9500 *Chrysopsis mariana*. GOLDEN ASTER. Per. Sun/PtShade. 10–24 x 8–12". Summer–Fall.

2517-Yellow blooms from August to October. Clusters of daisy-like flowers 1" in diameter, with bright yellow rays (13-21 per flower). Drought tolerant, attracts butterflies. *Weaver*.

9985-Yellow blooms. Early fall-blooming native. Germ: CMS: 90 d, Cycle: May take up to 90 d once moved to warm conditions, We have had success with winter sowing this seed. *Jenkins Arboretum*.

Cic1300 *Cicuta maculata*. WATER HEMLOCK. Per. Sun/PtSun. 6'. Summer. Zone 3–9.

2515-Native perennial that has white umbels for a wetter area of the garden. Germ: NST. *Doblmaier*.

***** *Cimicifuga* species. See: *Actaea*.

Cit1150 *Citrus trifoliata* 'Flying Dragon' (syn. *Poncirus 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. *Norfolk Botanical staff*.

Cla0050 *Cladrastis kentukea* (syn. *C. lutea*). AMERICAN YELLOWWOOD. Tree. 30–50 x 40–55'. Spring.

522-White flowers. This midsize tree is known for its pendulous panicles of fragrant flowers. Blooms best in alternate years. Notable for its yellow foliage in the fall. Germ: Scfy; BH; SR. *Kushner*.

Cle0120 *Clematis addisonii*. ADDISON'S LEATHER FLOWER. Per. Vine. Sun/PtShade. 3 x 3'. Summer.

446-Rare endemic from South Carolina. Upright perennial to 3 x 2'. Rosy purple flowers, early summer. Appreciates some support. Germ: Cycle: CMS, WMS. *Humphrey*.

Cle0120 *Clematis addisonii*. (Continued)

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. *Boylan*.

Cle0300 *Clematis albicoma*. WHITEHAIR LEATHER FLOWER. Per. Sun/PtShade. 1½ x 1½'. Summer.

199-Creamy white, nodding, hairy flowers. A compact, nonvining perennial with nodding, bell-shaped flowers. Native to Allegheny Mountain shale barrens. *Cresson*.

Cle2220 *Clematis crispa* 'New Hope'. MARSH CLEMATIS. Vine. PtShade. 10'. Summer. Zone 7–10.

32-Small, dangling bell-shaped, lavender flowers, 10'. Seed strain from plants from Holmes Co, FL. Germ: W, BC, NST. *Plant Delights*.

Cle3200 *Clematis glaucophylla*. Vine. Sun/PtShade. 12+'. Summer.

199-Pink and creamy yellow flowers. Pendant, urn-shaped flowers in mid to late summer with glaucous green foliage. A desirable southeast U.S. native. *Cresson*.

446-Pink flowers with a yellow throat. A rare clematis from Southeastern USA with vase-shaped flowers. Attracts hummingbirds. Germ: Sow 40°F, 2mo; then W. *Humphrey*.

Cle3450 *Clematis 'Helios'* (syn. *Clematis Aztek*). Vine. Sun/PtShade. 6'. Summer.

199-Climbing vine with golden yellow nodding flowers beginning early summer and repeating later. Fluffy seed heads. A good form of *C. tangutica*. Sun. *Cresson*.

Cle4100 *Clematis x jouniana* 'Praecox'. Per. Vine. Sun/PtShade. 10–13'. Summer/Fall.

507-White blooms flushed with pale blue overtones. Nonclinging, woody vine. Vigorous. Astonishingly beautiful in bloom. *Kolo*.

Cle4450 *Clematis 'Lemon Beauty'*. Vine. Sun/PtShade. Spring.

199-Yellow blooms. Hybrid related to *C. alpina* with large early light lemon yellow flowers in April/May. *Cresson*.

Cle4500 *Clematis ladakhiana*. Vine. Sun. 15–20'. Summer.

199-Yellow flowers with maroon dots. Flowers are small, nodding, and prolific. Glaucous gray foliage. Likes hot sunny dry location. *Cresson*.

Cle5000 *Clematis 'Minuet'*. Vine. Sun/PtShade. 12 x 5'. Summer.

199-Masses of small, nodding, pink flowers from mid-June to July. Open foliage habit makes it perfect over roses or shrubs. Clematis wilt resistant. *Cresson*.

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

199-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*. *Cresson*.

Cle5500 *Clematis recta* 'Purpurea'. BUSH CLEMATIS. Per. Vine. Sun/PtShade. 6 x 2½'. Summer–Fall.

1277-White, late-blooming flowers. Clump-forming herbaceous perennial with purple foliage. Needs support. 3-6'. *Haas*.

Cle5620 *Clematis* ‘**Rooguchi**’. Per. Vine. Sun/PtShade. 6 x 4’. Early Summer–Early Fall.

522-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.

199-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. *Cresson*.

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

199-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. *Cresson*.

215-Scarlet blooms. *DeMarco*.

269-Red blooms with creamy yellow inside. A showy summer-blooming species, *C. tenensis* 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! *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. *Jellinek*.

Cle6350 *Clematis tibetana*. Vine. Sun. 20 x 6’. Summer.

507-Yellow-green flowers. This is a more vigorous cultivar than the one I used to have and seems to have more *C. orientalis* in it perhaps. The flowers more yellow, the vine very vigorous in year two for me, a huge bounty of beautiful seed heads. I fear it will outgrow its allotted space next year. *Kolo*.

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. *Jellinek*.

Cle7300 *Cleome hassleriana*. SPIDER FLOWER. An. Sun. 5–6 x 3’. Summer–Fall.

1020-Pink flowers. *Wiedorn*.

1277-Mixed colors. *Haas*.

2688A-White flowers. *Richardson*.

2688B-Pink flowers. *Richardson*.

Cle9250 *Clethra alnifolia* ‘**Ruby Spice**’. SUMMERSWEET, SWEET PEPPERBUSH. Shrub. PtShade. 8 x 8’. Summer–Fall.

1277-Pink flowers. *Haas*.

Cli4000 *Clivia miniata*. NATAL LILY. TenPer. PtShade. 30 x 30”. Spring–Summer.

199-Lemon-yellow flowers. Self-pollinated seed from ‘Sir John Thouron’. Will come true. Germ: Sow immediately. *Cresson*.

Cod2010 *Codonopsis lanceolata*. POOR MAN’S GINSENG, BONNET BELLFLOWER. PerVine. Sun/PtShade. 3–8’. Late Summer–Fall.

199-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. *Cresson*.

Cod5050 *Codonopsis tubulosa*. PerVine. Sun/PtShade. 8’. Summer.

239-White flowers with muted blue-purple inner markings. Good vine for late summer-fall bloom. Nodding bell-shaped flower has beautiful interior. Wonderful vine to grow over a deck railing or over an evergreen shrub near a terrace. Place so that viewers can look up into the lovely, nodding flowers. Germ: BH; BC; NST. Self-sows somewhat but not invasively. *Doering*.

Col1200 *Colchicum speciosum*. NAKED LADIES. Bulb. Sun/PtShade. 6–12 x 18”; 3–6” in bloom. Fall. Zone 5–11.

199-Large satiny pink crocus-like flowers with pointed petals and a white central zone in mid to late September. *Cresson*.

Col1550 *Collinsonia japonica* ‘**Snow White**’ (syn. *Keiskea japonica*). SNOW WHITE JAPANESE COLLINSONIA. Per. PtSun. 3 x 5’. Late Summer. Zone 5a–8b.

32-White blooms. Germ: W, SS, NST. *Plant Delights*.

Con1050 *Consolida ajacis* (syn. *C. ambigua*). LARKSPUR. An. Sun. 4 x 1’. Late Spring–Summer.

239-Mostly blue, some white flowers. Wonderful filler for perennial garden. Germ: SS; SIS late winter where color is desired. *Doering*.

1277-A mix of white, pink, and mostly purple flowers. *Haas*.

Con1100 *Consolida ajacis* (blue) (syn. *C. ambigua*). LARKSPUR. An. Sun. 4 x 1’. Late Spring–Summer.

199-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. *Cresson*.

522-Blue flowers. *Kushner*.

1607-Blue flowers on 4’ plants in early summer. Sow in situ late winter. Germ: SIS. *Jellinek*.

Con1200 *Consolida ajacis* (white) (syn. *C. ambigua*). LARKSPUR. An. Sun. 4 x 1’. Late Spring–Summer.

522-White flowers. *Kushner*.

Cor1700 *Coreopsis leavenworthii*.

446-Yellow flowers. Perennial but grow as annual in north. 1½-2’, summer to frost. Charming, easy. Florida endemic. Germ: NST. *Humphrey*.

Cor1780 *Coreopsis linifolia* ‘**Newport**’. SAVANNAH TICKSEED. Per. Sun. 3’. Late Summer. Zone 7b–10b.

32-Yellow blooms. Seed from a wild collected plant from Carteret Co, NC, coll # A28NC-007. Germ: W, SS, NST. *Plant Delights*.

Coreopsis tripteris – *Cyclamen mirabile*

Cor1850 *Coreopsis tripteris*. TALL COREOPSIS. Per. 4–6'. Sun. Mid–Late Summer.

199–Masses of small yellow daisies on stiffly upright stems in August. Native and popular with goldfinches. Good at back of border or naturalized in a meadow. *Cresson*.

2515–Yellow blooms. Native, upright, tall coreopsis for the back of the border. Germ: NST. *Doblmaier*.

Cor2700 *Cornus elliptica* (syn. *Cornus angustata*, *Cornus kousa* var. *angustata*). EVERGREEN DOGWOOD. Shrub. Sun/PtShade. 15–20 x 12–15'. Summer. Zone 7–9.

1999–White blooms. Stunning small tree from China. 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. *Norfolk Botanical staff*.

Cor2750 *Cornus florida*. FLOWERING DOGWOOD. Tree/Shrub. Sun/PtShade. Spring.

84–White bracts. Seeds collected from trees in USDA Hardiness Zone 5 (Connecticut and Maine). Germ: CMS: 90 d, *C. Bowditch*.

Cor2850 *Cornus kousa*. CHINESE DOGWOOD, KOUA DOGWOOD. Tree. Sun. 20–30 x 20'. Spring.

1277–White flowers. Germ: CMS 3 mo. *Haas*.

Cos2600 *Cosmos sulphureus* 'Cosmic Orange'. An. Sun. 2–3 x 2–3'. Summer–Fall.

627–Bright yellow-orange flowers. Self-sows. *McShane*.

Cot1050 *Cotoneaster salicifolius* 'Henryi'. WILLOWLEAF COTONEASTER. Sun. 15 x 15'. Late Spring/Summer.

199–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. *Cresson*.

Cra1270 *Crambe maritima*. SEA KALE. Per. Sun. 2–3'. Late Spring/Midsummer. Zone 5–9.

592–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. *Malocsay*.

1017–Creamy white flowers. Attractive, fleshy, glaucous foliage and large, honey-scented floral clusters. Apparently tolerates salt and sandy soil. Very ornamental and long lived, at least for me. I've never eaten foliage, but apparently you can. *Whitesell*.

Cri1200 *Crinum macowanii* 'African Belle'. CAPE COAST LILY. TenBulb. Sun. Summer.

32–Originally selected out of an IBS seed offering, IBS SX #10 / Shields. Germ: W, SS, NST. *Plant Delights*.

Cro1050 *Crocus* 'Lucifer'. Per. Sun. 3–4'; to 4½' in bloom. Summer.

2515–Red flowers. Takes a few years to bloom from seed—seed germinated readily for me. Lovely, arching, red flower stems. Likes a dry, sunny spot. *Doblmaier*.

Cro1550 *Crocus speciosus* 'Cassiope'. FALL CROCUS. Bulb. Sun/Shade. 6". Fall. Zone 3a–10b.

199–Lavender-blue blooms. Bulb. Sun/DecShade. 6". Oct. The easiest fall-blooming crocus you could grow because it can be fairly prolific and seems less attractive to critters. Flowers deep lavender-blue with striking orange stigma. Grow among low perennial groundcovers or under deciduous shrubs, or even in a lawn! *Cresson*.

Cyc0700 *Cyclamen coum* (mixed forms).

45–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. *Bartlett*.

Cyc0900 *Cyclamen coum* (silver leaves with pink bloom).

199–Pink blooms in late winter with silver/pewter foliage. *Cresson*.

Cyc1700 *Cyclamen hederifolium*. Per. Shade. 5 x 5". Fall.

45–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. *Bartlett*.

199–Pink blooms. Bulb. PtShade/DecShade. 3 x 12". Aug–Oct. From various foliage forms including silver-marbled, narrow, and wide leaf shapes. Good drainage is critical. Fully tolerant of summer drought when they are dormant. Tuck under shrubs where they won't be disturbed. *Cresson*.

3321–Pink or white blooms. Germ: Soak: 1 d, WMS, W, D, SR. Cover seeds with ¼" grit. *Perron*.

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. *Perron*.

Cyc1850 *Cyclamen hederifolium* (silver leaves with white flowers). Per. Shade. 5 x 5". Fall.

3321–'White Cloud'. Fall, white blooms with silver leaves. Zone 5 hardy. Germ: Soak: 1 d, WMS, W, D. 90 d. *Perron*.

3321B–'Nettleton Silver'. White blooms with silver leaves. Zone 5 hardy. Germ: Soak: 1 d, WMS, W, D. 90 d. *Perron*.

Cyc2250 *Cyclamen mirabile*. HARDY CYCLAMEN. Per. PtShade. 3". Fall. Zone 6a–8b.

965–Pale pink blooms. Needs more sun and drier conditions than most hardy cyclamen. I have mine growing in the cracks between pavers around a pool. Blooms like crazy in late summer into the fall. No supplemental water is required in most seasons. Germ: Soak. C, D. 180 d. *Umphrey*.

Cyn2010 *Cynoglossum amabile*. CHINESE FORGET-ME-NOT. An. Sun/PtShade. 2 x 1'. Summer.

797-Cheery, bright blue annual, effective at front of border. Self-sows modestly. Prefers cooler weather. Germ: C, 14d; SIS early spring. *Robinson*.

Cyn2080 *Cynoglossum dioscoridis*. Bien. Sun. 2½ x 2½'. Summer.

118-Rosy blooms tinged blue. Gray basal foliage the first year. Great for the front of the border. Germ: NST; BC; W, 4-6wks. *Stonecrop Gardens*.

Cyp1000 *Cypella coelestis* (syn. *C. plumbea*). GOBLET FLOWER. TenBulb, Sun/PtShade. 3-4' x 3-6". Summer-Fall. Zone 7b.

32-Blue flowers. Germ: W, BC, NST. *Plant Delights*.

Dan1050 *Danae racemosa*. Shrub. PtShade/Shade. 3 x 3'. Summer.

199-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. *Cresson*.

522-Greenish yellow bloom. Notable for its waxy green leaves. Evergreen with orange berries in the autumn. Favored by floral arrangers. *Kushner*.

Dap2350 *Daphne mezereum*.

926-Pinkish-purple flowers come out before leaves in early spring. Red fruit. To 4'. Germ: Soak: to remove seed coat. CMS 90d; WMS 90d; Cycle 40°, 70°, 40°, 70°. Do not let seed dry out. May take 2 yr to germinate. *Streeter*.

Dap2400 *Daphne mezereum f. alba*. FEBRUARY DAPHNE. Shrub. Sun/PtShade. 4 x 3'. Winter-Spring.

1017-Creamy white flowers. A very early blooming, semi-deciduous, 4-5' shrub with wonderfully fragrant flowers. The white version is a nice alternative to the standard pink and fruits are orange. A must-have shrub. *Whitesell*.

Dap2700 *Daphne tangutica*. DAPHNE. Shrub. PtSun. 3 x 3'. Spring, Zone 6-9.

199-White blooms. Shrub. PtSun/PtShade. 3 x 3'. Spring, some through summer. Very good drainage, rich soil, tolerates lime. In China, grows in spruce forests and scrub—the hints to success of this tricky species. Legendary fragrance. *Cresson*.

Dap3000 *Daphniphyllum himalaense subsp. macropodum* (syn. *D. macropodum*). Shrub/Tree. PtShade. 20 x 15-20'. Spring.

1999-Purple-pink (male) and pale green (female) blooms. Dioecious, broadleaf evergreen shrub noted for its distinctive form and bold, rhododendron-like foliage. Fertilized female plants will produce clusters of blue-black drupes; new foliage is suffused with pink tints. Germ: CMS: 90 d, Cycle: Cold, moist stratify for 90 d. Germination will commence in 20-30 d° when plants are returned to 70°F, 130 d. *Norfolk Botanical staff*.

Dar1000 *Darmera peltata*. UMBRELLA PLANT, INDIAN RHUBARD. Per. PtSun/Shade. 3 x 3'. Late Spring. Zone 5-7.

199-Pinkish white blooms. Per. PtSun/PtShade. 3 x 3'. Late spring. Tall decorative flower stalks emerge before the umbrella-like leaves from thick ground-hugging rhizomes. For damp soils. Leaf stalks of this Pacific Coast native are edible. *Cresson*.

Das1060 *Dasyliion leiophyllum* KJS 356 Guadalupe Mtns, TX. GUADALUPE SMOOTH-LEAVED SOTOL. Per. Sun. 4 x 4'. Zone 7a-10b.

32-WC by Kenton J Seth in the Guadalupe Mtns of Texas. Germ: W, BC, NST. *Plant Delights*.

Das1550 *Dasyliion wheeleri* 'Apache Junction' KJS 334. DESERT SPOON, SOTOL. Per. Sun. 3-5 x 4-6'. Zone 6-10.

32-From wild collected seed from Kenton J Seth, from plants in Apache Junction, AZ. Germ: W, BC, NST. *Plant Delights*.

Dat2050 *Datura innoxia*. ANGEL'S TRUMPET, THORN APPLE. TenPer. Sun. 2-6 x 3-6'. Summer. Repeat bloomer. Zone 9-10.

3006-White, possible suggestion of purple rimming the bloom. Dramatic bloomer, huge white trumpets facing up. Plant to view at a distance—not so attractive when blossoms wilt the next day. *Mayer*.

Dat3120 *Datura metel* 'Ballerina Purple'. ANGEL'S TRUMPET, THORN APPLE. TenPer./An. Sun. 2-3 x 3-4'. Summer-Fall.

522-Large, upfacing, double, purple and white, trumpet-shaped blooms. A lovely dwarf datura, perfect for a pot. *Kushner*.

Dei0500 *Deinathe bifida*. TWO-LOBED FALSE HYDRANGEA. Per. PtShade. 12-24 x 12-24'. Spring-Summer.

558-Pendant white flowers with a blue cast. Charming midsummer woodlander in hydrangea family. Attractive, fuzzy foliage. Germ: W; D. *Lewis*.

Dia1550 *Dianthus carthusianorum*. CARTHUSIAN PINK, CLUSTERHEAD PINK. Per. Sun. 6 x 12"; to 30" in bloom. Summer-Fall.

1313-Pink flowers. 12-18" tall in bloom. *Linden Hill Gardens*.

Dia2500 *Dianthus deltoides*. MAIDEN PINK. Per. Sun. 2½ x 2'. Summer.

199-Pink blooms. A low mat-forming perennial with deep pink flowers in spring. Easier to grow than many dwarf pinks. *Cresson*.

Dia3000 *Dianthus* 'Feuerhexe' (syn. *Dianthus gratianopolitanus* 'Firewitch'). 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. *Bittmann*.

Dia4650 *Dianthus japonicus*. Bien. Sun. 8-10". Spring-Summer.

199-Deep pink flowers. Cottage garden type plant. Persists by self-sowing but well behaved. *Cresson*.

Dia4700 *Dianthus knappii* 'Yellow Harmony'. Per. Sun/PtShade. 12-18". Midsummer/Early Fall. Zone 3-9.

590-Yellow blooms. Flowers dance 12-14", well above foliage. Great flower color for the moonlight garden. Germ: NST. *Mahony*.

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. *Doblmaier*.

Dianthus plumarius – *Echeandia texensis*

Dia5350 *Dianthus plumarius*. COTTAGE PINK. Per. Sun. 6–12 x 15". Early Summer. Zone 4–9.

199-Pink blooms. Per. Sun. 6-12 x 15". June. This is a quintessential cottage garden plant for the front of a bed or rock garden. Flowers held above a mat of gray foliage. Some rebloom in summer. *Cresson*.

Dia6700 *Dianthus superbus* var. *longicalycinus*. SUPERB PINK. Per. Sun/PtShade. 6–12 x 9–12". Summer. Zone 3–9.

199-Purplish pink, fringed petals on 18" branched stems, August to frost. This remarkable plant was given to me 25 years ago by Barry Yinger, who collected it in Korea. Easy to grow and drought tolerant. *Cresson*.

2515-Purplish pink flowers. Germinated easily from seed obtained in the 2014-15 HPS Seed Exchange. The fringed flowers bloom from late July until frost. Germ: W, NST. *Doblmaier*.

Dic3000 *Dicentra formosa* (syn. *Dicentra eximia*). BLEEDING HEART. Per. PtShade. 1–2 x 1–2'. Spring–Summer. Zone 3–9.

446-*Humphrey*.

Dig2500 *Digitalis grandiflora*. PERENNIAL FOXGLOVE, YELLOW FOXGLOVE. Per. Sun/PtShade. 1–1½ x 1'; from 2–3' tall in bloom. Late Spring–Summer.

199-Yellow flowers. The soft yellow flowers blend with almost any color. Reblooms if cut back. *Cresson*.

797-Germ: BC; SIS. *Robinson*.

Dig3020 *Digitalis lamarkckii*. Per. PtShade. 3'.

592-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. *Malocsay*.

Dig3500 *Digitalis lutea*. STRAW FOXGLOVE. Per. PtShade. 6–12 x 12"; from 1–2' in bloom. Late Spring–Summer.

118-Creamy Yellow blooms. Perennial to 2½'. Straw Foxglove. This native plant of southern Europe and North Africa readily makes itself at home in a garden. In early summer, the small, creamy yellow flowers crowd one side of their tall, slender stalks. A good, long-bloomer with glossy, dark green foliage. Readily self-sows. Sun/partial shade. Germ: CMS: 50 d, W, SS, SIS. *Stonecrop Gardens*.

592-Light yellow blooms, quiet, tall spikes of tiny bells. Does well in shade—even dry shade. Germ: NST. Steady self-sower. *Malocsay*.

797-Yellow flowers. Germ: BC; SIS. *Robinson*.

Dig3850 *Digitalis obscura*. WILLOW LEAF FOXGLOVE. Per. Sun/PtShade. 12–48 x 12–24". Spring/Summer. Zone 6–10.

592-Yellow-veined, red blooms. Another quietly lovely digitalis. Multiple spikes are not tall, so let it stand free. Germ: NST *Malocsay*.

Dig4050 *Digitalis purpurea*. FOXGLOVE. Bien./Per. PtShade. 2 x 2'; from 4–6' in bloom. Early Summer.

1607-Rosy purple flowers. *Jellinek*.

Dig4400 *Digitalis purpurea* 'Snow Thimble'. HYBRID FOXGLOVE. Per. PtShade. 4 x 3'. Summer. Zone 4–9.

84-This biennial foxglove has pure white blooms and reportedly comes true from seed. Source: Annie's Annuals in CA. Germ: C, NST, SIS. *Bowditch*.

Dig5000 *Digitalis* species. FOXGLOVE. Bien./Per. Sun/PtShade. Spring–Summer.

215-Soft yellow blooms. Biennial. Lost name long ago. 2-3' tall in bloom. Germ: L, SS, SIS, SR. Easy. *DeMarco*.

Dip1050 *Dipsacus fullonum*. TEASEL. Bien. Sun/PtShade. 7'. Summer–Fall.

797-Buff-colored flowers. *Robinson*.

Dir1000 *Dirca palustris*. ATLANTIC LEATHERWOOD. Shrub. PtShade/Shade. 4–6 x 4–6'. Early Spring. Zone 3–9.

1865-Yellow blooms. 3-6' shrub for moist shade native to eastern US Z4-9. Germ: CMS: 90 d, W, D. *Bennett*.

Dis6650 *Disporum uniflorum* (syn. *Disporum flavens*). FAIRY BELLS. Per. PtShade. 18 x 12". Spring. Zone 4–9.

1865-Yellow flowers, small black fruits on 2' perennial. Germ: Soak, W, SR. Soak until fruit is removed from seeds, either sow at 40° or store seeds dry at 40°—seeds stored at 70° won't germinate. *Bennett*.

***** *Dolichos lablab*. See: *Lablab purpureus*.

Dra0750 *Draba arabisans*. Per. Sun/PtShade. 4 x 8; to 10" in bloom. Spring.

199-White flowers. An eastern native, ideal for rock gardens, and tolerates our summers well. Self-sows moderately, so it stays around. *Cresson*.

Dro0500 *Drosera capensis*. CAPE SUNDEW. Per. Sun/PtShade. 1". Zone 3–8.

1114-Pink flowers standing 4-6" tall. Water with rainwater only, constant moisture. Native of South Africa. Germ: CMS, BH, SS, SR, 20-30 d. *Aquascapes Unlimited*.

Dro1000 *Drosera filiformis* var. *filiformis*. THREADLEAF SUNDEW. Per. Sun/PtShade. 6–8". Zone 3–8.

1114-Pink flowers with beautiful thread-like foliage. Upon maturity, this native Mid-Atlantic sundew is a must for every bog garden. Water with rainwater only, full sun, constant moisture. Germ: CMS: 30-40 d; BH; SS; 20-30 d. *Aquascapes Unlimited*.

Dur1110 *Duranta erecta* 'Geisha Girl'. TenShrub. Sun/PtShade. 6'. Summer.

199-Purple/blue blooms. Nonhardy shrub with pendant racemes of white-edged, purple-blue flowers all summer followed by orange fruit. Good for standards, too. You can overwinter frost-free, semi-dormant. *Cresson*.

Dyc1000 *Dychia choristaminea* 'Frazzle Dazzle'. DYCKIA BROMELIAD. TenPer. Sun/PtSun. 10 x 10". Summer. Zone 7–8.

199-Yellow blooms. Tender Per. Sun/PtSun. 10 x 10". Summer. This not quite hardy terrestrial bromeliad consists of stiff sharpish felty, gray, narrow foliage and spikes of bright yellow flowers in summer. It sits in a pot of well-drained soil on my patio in summer and a rather cold spot indoors in winter. Hardy to zones 7 or 8. *Cresson*.

Ech0025 *Echeandia texensis*. TEXAS CRAGLILY. Per. Sun/PtSun. 24–36". Fall. Zone 7b–10b.

1999-Golden yellow blooms. Rare, Texas native that is cold hardy in Zones 7b thru 11. An easy clump-forming perennial for well-drained soils. Germ: Sow out-of-doors; seeds germinate like grass in late June. *Norfolk Botanical staff*.

Ech0030 *Echeandia texensis* ‘Loma del Potrero Cercado’.

32-Yellow orange blooms. Seed strain from plants collected originally from Loma del Potrero Cercado in Cameron Co, Texas in the Lower Rio Grande Valley. Remarkably hardy despite being from a zone 9b/10a. Germ: W, BC, NST. *Plant Delights*.

Ech0250 *Echinacea purpurea*. PURPLE CONEFLOWER. Per. Sun. 4 x 1'. Summer–Fall.

1020-Mauve-pink flowers. *Wiedorn*.

3540-Purple blooms. Native to Eastern PA. Germ: SR. *Rifici*.

Ech0500 *Echinacea purpurea* ‘Alba’. WHITE CONEFLOWER. Per. Sun/PtShade. 3–5 x 3–4'. Summer–Fall.

1020-White flowers. *Wiedorn*.

Ech1400 *Echinacea* CHEYENNE SPIRIT. CONEFLOWER. Per. Sun/PtSun. 1–2½ x 1–2'. Summer. Zone 4–9.

2137-A delightful mix of colors from rich purples, pinks, reds, and oranges to lighter yellows, creams, and whites makes a bold statement in a perennial border, butterfly garden, or patio container. Blooms first year from seed. Germ: W, NST, 90 d. *Boylan*.

Ech3250 *Echinops ritro*. GLOBE THISTLE. Per. Sun. 2–4 x 1–3'. Summer, reblooms. Zone 3–9.

926-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*.

3321-Steel blue blooms. *Perron*.

Ech3380 *Echinops ritro* ‘White Globe’. WHITE GLOBE THISTLE. Per. Sun. 2–3 x 1½–2'; from 3 to 5' in bloom. Summer.

926-*Streeter*.

Ele0750 *Elephantopus* species. ELEPHANT’S FOOT. TenPer.

9985-*Jenkins Arboretum*.

Els1050 *Elsholtzia stauntonii*. MINT BUSH. Per. Subshrub. Sun. 3–5'. Summer–Fall.

239-Purple-pink flowers. Foliage is mint-scented. Late flowers a plus for the late summer garden. Germ: NST; BC; W; 2-3 wk. *Doering*.

1277-Lavender flowers. Nice, little known shrub similar to caryopteris. Deadhead to prevent reseeding. *Haas*.

Eng1000 *Engelmanniaperistenia* ‘Bergheim’. ENGLEMANN’S DAISY. Per. Sun. 2'. Spring–Summer. Zone 5a–10b.

32-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*.

Enk1700 *Enkianthus perulatus*. Shrub. 6'. Spring. Zone 6–9.

3001-The white-flowered form of enkianthus. Compact, deciduous, slow growing—eventually to 6'. Beautiful fall color of reds and oranges. It takes 6-8 yr to reach 4'+, but worth the wait. Germ: L, SS. *Gregg*.

Enn1000 *Ennealophus euryandrus* (syn. *Herbertia euryandra*, *Alophia euryandra*). ARGENTINE BLUE EURYANDRUS IRIS. TenBulb. PtShade. 12 x 15". Spring–Summer.

592-Blue and white blooms first year from seed, easy to store overwinter. Pot or ground. Best show in quantity at the front of the border. For lovers of close-up dainty flowers. Germ: NST. *Malocsay*.

Era4000 *Eranthis hyemalis*. WINTER ACONITE. Per. Sun/PtShade. 3 x 2". Winter–Spring.

1939-Cheery bright yellow flowers, arrive soon after the snowdrops in February. Germ: SIS, NST. They can grow into tubers or plant in undisturbed soils outside and leaves will open, but flowers take three years. *Urffer*.

Eri1550 *Erigeron pulchellus* ‘Lynnhaven Carpet’. ROBIN’S PLANTAIN, FLEABANE. Per. Sun/PtShade. 3 x 6; to 10" in bloom. Spring.

199-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. *Cresson*.

Eri1600 *Erigeron pulchellus* ‘Meadow Muffin’. Per. Sun/PtShade. 3 x 6; to 10" in bloom. Spring.

199-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. *Cresson*.

Ery0360 *Eryngium aquaticum*. SWAMP ERYNGO. Per. Sun. 5 x 1'. Summer.

1114-Silver-blue flowers. Great in combination with *Lobelia siphilitica*. Germ: CMS: 30-40 d; W; SS; SR; 20-30 d. *Aquascapes Unlimited*.

Ery1150 *Eryngium eburneum* (syn. *E. paniculatum*). SEA HOLLY. TenPer. Sun. 5–2'. Late Summer.

507-Pale green, almost white blooms. This appeared on its own, don't ask me how. It has been growing in my garden for 4 yr now. Only last year could I identify it. It is precisely as photographed and described in Vol. 2 of Phillips & Rix. However it is described as tender there and this is thriving in my zone 7 garden, though I suspect my ground has not frozen during the last 4 yr. It is not unlike *E. avavifolium*, but clearly is not that. If the photo is correct, it is unmistakably *E. eburneum*. Germ: I have no experience with germination except that a wayward seed did germinate in my garden. When I saw the strap-like leaves with small spines on the edge I knew it was special. Over the years I have thrown various seeds here and there, but never knowingly of this. I would say it is more exotic and interesting than beautiful. *Kolo*.

Ery2000 *Eryngium foetidum*. MEXICAN CULANTRO. An/Bien. PtShade. 12 x 12". Summer.

199-Green blooms. Ann/tender biennial. PtShade. 12 x 12". Summer. This unusual cilantro-like herb is a Central and South American native where it is widely used in cuisines in Latin American, the Caribbean, and also Asia and Africa. It is a cool season herb, so grow it like lettuce, although the inflorescence has lasted all summer and the scented foliage remains. Cooks should experiment with it in the garden and kitchen! *Cresson*.

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

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

Eryngium planum – *Fatsia japonica*

Ery3750 *Eryngium planum*. SEA HOLLY. Per. Sun. 6 x 6"; to 30" in bloom. Summer–Fall.

797–Small, silvery, steely blue, spikey flower heads add texture all summer. Germ: BC; W, 2-3wk; C, 3-5wk. *Robinson*.

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

199–Dramatic perennial for its basal spiny-edged sword-shaped leaves and 3-5' flower spikes. An adaptable native accent for sun. *Cresson*.

1918–*E. yuccifolium* is a short-lived perennial with unusual yucca-like foliage and pale green 1" flower heads atop stiff stems. Native to the US. Grows well in dry to medium moisture soils with good drainage in full sun. Transplants poorly. May self seed. Germ: SIS. *Carey*.

1999–White blooms. Fabulous plant for attracting pollinators. 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. *Norfolk Botanical staff*.

2429–Germ: CMS: 90 d. *Bricker*.

2515–White blooms. Architectural plant for the wetter areas of the garden. *Doblmaier*.

Ery5300 *Eryngium yuccifolium* 'Kershaw Blue'. BUTTON ERYNGO, RATTLESNAKE MASTER. Sun/PtShade. 30". Late Summer.

32-AISC-002. Green blooms. Seeds from a plant from Kershaw, SC. This is a seed strain which comes true to type. Germ: OW, BC, NST. *Plant Delights*.

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

199–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. *Cresson*.

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

199–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. *Cresson*.

Euo1280 *Euonymus atropurpureus*. WAHOO, BURNING BUSH. Shrub. Sun/PtShade. 4–6'. Summer.

9985–*Jenkins Arboretum*.

Euo1480 *Euonymus carnosus*. Tree. Sun. 10–15'.

522–A small tree with leathery, glossy, dark green leaves that turn dark purple in fall. Wonderful fleshy, pink fruit opens to expose black shiny seeds. Germ: CMS, Scfy, 3mo; BH, OW; SR. *Kushner*.

Eup0800 *Eupatorium coelestinum*. BLUE MIST FLOWER, HARDY AGERATUM. Per. Sun/PtShade. 2–3'. Late Summer–Fall.

543–Pale blue flowers on 2-3' perennial. Benefits from support of neighboring plants if grown in partial shade. Germ: BC, SIS, NST. *Leasure*.

9985–*Jenkins Arboretum*.

Eup1000 *Eupatorium dubium* 'Little Joe'. JOE PYE WEED. Per. Sun/PtSun. 3–5 x 1½'. Summer. Zone 5–8.

239–Soft purple-pink blooms. 4' perennial for the middle of the perennial garden. Great color midsummer and attractor of butterflies and moths. Germ: NST. Dwarf form makes this plant a very unusual addition to the garden both for color but also for the wildlife attraction. *Doering*.

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

199–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. *Cresson*.

Eup2350 *Eupatorium maculatum*. JOE-PYE WEED. Per. 5–7 x 3'. Summer.

543–Purple-pink flowers. Nice plant for the back of the border. Tolerates wet soil. Germ: W; BC; NST; 3 wks. *Leasure*.

Eup2490 *Eupatorium rugosum*. WHITE SNAKEROOT. Per. PtShade. 3 x 2–3'. Summer–Fall.

543–White blooms. Native perennial 3' tall with clear white flowers. Blooms late summer through fall. Germ: W, BC, NST. *Leasure*.

Eup6400 *Euphorbia heterophylla*. TenPer. Sun/PtSun. 24–36 x 24–36". Summer. Zone 9a–11.

199–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. *Cresson*.

***** *Eurybia mirabilis*. See: *Aster mirabilis*.

Eus0050 *Euscaphis japonica*. KOREAN SWEETHEART TREE. Tree. Sun/PtShade. 20 x 10–15'. Spring.

522–A multiple interest specimen tree. Slender growth habit, flowers turn to red fruits bearing black seeds. Seeds resemble those found on *Euonymus carnosus*. Germ: CMS, Scfy. *Kushner*.

1999–Green blooms. Gorgeous small tree (10-20') noted for its distinctive red seed pods, which open to reveal shiny black seeds. Germ: Cycle: Scarification: Soak in water, let stand in water for 24 hr. Stratification: cold stratify for 60 d, warm stratify for 60 d, cold stratify for 60 d. Other: They can be fall sown for germination in 2 springs. , *Norfolk Botanical staff*.

3436–Yellow blooms. Cherry red seed capsules in fall are showy. Germ: Shade tolerant small tree. *Silberstein*.

***** *Evodia daniellii*. See: *Tetradium daniellii*.

Fat1050 *Fatsia japonica*. Shrub. Sun/PtShade. 12 x 12'. Fall.

199–Creamy white flowers in large, ivylike inflorescence in early-mid November. Large, dark evergreen leaves. Black fruit after a mild winter. Tolerates dry shade, prefers protection. Rated hardy in Zone 7b, but often bloomed in protected corner against house over 20 yrs. *Cresson*.

Fat1100 *Fatsia japonica* ‘Spider’s Web’. Shrub. PtSun/Shade. 5’. Zone 7b–10b.

32-Germ: OW, W, BC, SS, NST. *Plant Delights*.

Fic1000 *Ficus gasparriniana* var. *laceratifolia*.

32-Germ: W, SS, NST. *Plant Delights*.

Foe1250 *Foeniculum vulgare*. FENNEL. Per. Sun. 5–6½’. Summer–Fall.

543-Yellow umbels. Fine feathery foliage is deep bronzy purple, good center or back of border accent. All parts edible! Germ: NST; 7-10 d. *Leasure*.

Foe1700 *Foeniculum vulgare* ‘Purpureum’. FENNEL. Per. Sun. 4–6’. Summer. Zone 5+.

1918-Yellow blooms. *F. vulgare* ‘Purpureum’ grows 2-5’ and is attractive to bees and other beneficial insects. Anise-scented foliage is feathery and bronze-green. Flowers are compound yellow umbels that appear in midsummer. An edible herb. It may self sow aggressively. Germ: SIS. Sow outdoors after last frost. *Carey*.

Fra1000 *Frangula caroliniana* (syn. *Rhamnus caroliniana*). CAROLINA BUCKTHORN. Shrub. Sun/PtShade. 10–15 x 10–15’. Spring. Zone 5–9.

45-Greenish white blooms. Pink to red to black berries as they mature in autumn. Light textured with crops of red berries in fall. A native. Germ: NST. 2 yr. Like many shrubs, slow to germinate. *Bartlett*.

Fre3000 *Freesia laxa* (syn. *Anomatheca laxa*). FALSE FREESIA. Per. Sun/PtShade. 8–15”; to 2’ in bloom. Summer. Zone 8–10.

926-Tender South African bulb with small, pretty, red flowers and grassy foliage. Germ: NST. *Streeter*.

Fuc1000 *Fuchsia boliviana*. BOLIVIAN FUCHSIA. TenPer. PtShade/Shade. 5 x 3’. Spring/Summer. Zone 5–9.

45-Bright red blooms. A spring-flowering fuchsia. Not hardy here. Dramatic cluster of bright red flowers in April. Germ: BC, SS; NST. Very tiny seeds. *Bartlett*.

Fuc1800 *Fuchsia regia*. LADY’S EARDROPS. Woody. Sun/PtShade. 2–3 x 2–3’. Summer–Fall.

199-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. *Cresson*.

Gal2010 *Galtonia candicans*. Bulb. Sun. 2–3”; to 4 or 5’ in bloom. Summer.

590-White blooms. Bulb. Sun. 2–3”; to 4 or 5’ in bloom. Summer, white blooms on hardy bulb to Zone 5. From South Africa, avoid winter wet. From 2014-15 HPS Seed donation. *Mahony*.

1017-Lovely August-flowering white blooms. A wonderful summer-blooming bulb with a tropical appearance and a nice fragrance. Long-lived and desirable. Reliably hardy for me. *Whitesell*.

Gal1050 *Gelasine elongata*. GELASINE. Per. Sun/PtShade. 2’. Early Summer.

32-Purple/bright blue flowers. Germ: W, BC, NST. *Plant Delights*.

Gen2000 *Gelsemium sempervirens* ‘Margarita’. CAROLINA JESSAMINE. Vine. Sun/PtShade. 10–12 x 4–6’. Spring–Summer. Zone 5–9.

199-Yellow flowers. Attractive evergreen twining vine with bright yellow flowers in spring. The hardier form of this Southeastern native, to Zone 6. *Cresson*.

Gen0500 *Gentiana andrewsii*. BOTTLE GENTIAN, CLOSED GENTIAN. Per. Sun/Pt.Shade. 2’ Summer–Fall.

199-Blue flowers. A treasured wildflower for partial shade in moist well drained soil. *Cresson*.

1607-Dark blue flowers. I haven’t started this one from seed, but CMS 60 d is recommended. Germ: CMS 60 d. *Jellinek*.

1918-*Carey*.

2515-Blue flowers for the moist, partial-shade area of my garden. Native. *Doblmaier*.

Gen1450 *Gentiana catesbaei*. GENTIAN. Per. Sun/PtShade. Fall. Zone 6–8.

32-Blue blooms. Germ: W, SS, NST. *Plant Delights*.

Gen1470 *Gentiana clausa*. CLOSED GENTIAN, BOTTLE GENTIAN. Per. PtShade. 12–24 x 10”. Summer. Zone 3–7.

9985-Blue/dark pink blooms. color varies. Germ: OW, SS. *Jenkins Arboretum*.

Ger2500 *Geranium maculatum* ‘Espresso’. PtShade. 18”.

199-Reddish purple foliage, especially in spring, and deeper pink flowers distinguish this form of our native wildflower. *Cresson*.

Ger3800 *Geranium pratense*. Per. Sun. 18 x 18”; to 30” in bloom. Summer.

199-Blue blooms. 2’ Eurasian perennial with blue flowers in June. This species is the great grand-daddy of most blue hybrids. Let it naturalize. *Cresson*.

Ger6000 *Geranium tuberosum*. Per. Sun/PtShade. 15 x 15”. May. Zone 5–9.

199-Lavender blooms. Per. Sun/PtShade. 15 x 15”. May. This tuberous geranium from summer dry Mediterranean regions is summer dormant, so completely tolerant of dry shade! Not the least bit fussy for me. *Cresson*.

Gla0450 *Gladiolus* ‘Carolina Primrose’. Bulb. Sun. 24–36 x 6–9”. Midsummer. Zone 7a–10b.

199-Soft yellow blooms. Found on an old home-site in NC, the origin/ID of this are debatable. Probably an old hybrid of the African *G. dalenii*, also known as *G. x gandavense*. Soft yellow flowers midsummer go with every color! Prolific and hardy in my garden for years, 3’ tall. Supplied as small cormlets that will take a couple years to bloom. *Cresson*.

Gla0840 *Gladiolus oppositiflorus* subsp. *Salmoneus*. Per. Sun. 2–3 x 10”. Summer. Zone 5a–9b.

199-Salmon blooms. Bulb. Sun/PtSun. 2’. Summer. Pretty soft salmon flowers with darker highlights in the throat. This South African species was an important parent of the modern hybrids. Likely winter hardy with a mulch, but I haven’t left it out yet. These small cormels will take a couple years to bloom. *Cresson*.

Gladiolus – *Helleborus x hybridus*

Gla0850 *Gladiolus* ‘Promiscuous Pink’. HYBRID SWORD LILY. TenBulb. Sun/PtSun. 3–6’. Summer.

199-Pink blooms. Winter hardy here since it came from a hardware store decades ago and somehow shows up unexpectedly around the garden, hence our name. Tall, reliable, and a great combo among ‘Leslie Woodriff’ OT lilies in early July. Flowers deep pink with cream into the throat. Supplied as small cormlets that will take a couple years to bloom. *Cresson*.

Gla0980 *Glaucidium palmatum*. WOOD POPPY. Per. PtShade/Shade. 18–24 x 15–18’. Spring.

558-Light purple flowers. Copious purple flowers light up woodland in May/June. No pests and very hardy (Zone 4). Germ: W; NST. *Lewis*.

Gla1050 *Glaucium flavum*. HORNED POPPY. Per. Sun. ½ x 1–2’; to 1” in bloom. Summer.

199-*Cresson*.

627-*McShane*.

1017-Golden orange flowers. Wonderful, gray, felt foliage. A biennial or short-lived perennial with showy blooms and interesting long seed pods. *Whitesell*.

Glo0800 *Globularia trichosantha*.

2137-8 x 15”, it bears bright blue puff-balls in summer above densely packed, shiny, evergreen leaves. Its natural habitat is dry, stony grassland, so don’t baby it too much. Germ: W, 90 d. *Boylan*.

Gom0400 *Gomphocarpus physocarpus* (syn. *Asclepias physocarpa*). PUFFER FISH MILKWEED, SWANPLANT. An. Sun/PtShade. 4–6 x 2’. Summer.

965-White. Tall, upright, vase-shaped specimen with lovely white flowers in dangling clusters. Incredible, fuzzy, baseball-sized seedpods form during the season (with seeds curiously arranged within). Fun. Seeds take a long time to mature on plant. Germ: W. *Umphrey*.

Gom1080 *Gomphrena species*. GLOBE AMARANTH.

590-Purple flowers. Up to 18-24” tall in flower. Some pink and cream varieties were growing nearby. *Mahony*.

Gos0150 *Gossypium hirsutum* ‘Red Foliated’. RED-FOLIATED COTTON. An. Sun. 3–5’. Summer.

522-Shell pink, hibiscus-like flowers. When bolls mature, white cotton appears. Deep maroon leaves. Annual. Source: Putnam Hill Nursery. *Kushner*.

Hab2500 *Habranthus robustus*. PINK RAIN LILY. TenBulb. Sun/PtShade. 1’. Summer. Zone 8a–10b.

507-Pink flowers. The best habranthus. Everyone should have a pot of these. Beautiful pink funnels. Keep in a pot and overwinter indoors. Germ: NST; Easy. *Kolo*.

1999-Pink blooms through summer, especially after rain. Reliable, vigorous clumper will perform well in full sun or part shade. Germ: BC, NST, 14 d. Sow upon receipt—viability lessons over time. *Norfolk Botanical staff*.

Hac1000 *Hacquetia epipactis*. BRASS BUTTONS. Per. PtShade. 6 x 10”. March/April. Zone 5–7.

199-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! *Cresson*.

Hel1400 *Helianthus giganteus*. GIANT SUNFLOWER. Per. Sun. 10 x 1’. Summer/Fall.

199-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. *Cresson*.

Hel1600 *Helianthus grosseserratus*. Per. Sun/PtShade. 15 x 4’. Fall.

199-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! *Cresson*.

Hel1800 *Helianthus maximiliani*. PRAIRIE SUNFLOWER. Per. Sun. 4–10 x 3–4’. Fall. Zone 4–10.

199-Bright yellow daisies atop stalks with narrow foliage. Sept-Oct. *Cresson*.

Hel5350 *Helleborus foetidus*. Per. Sun/PtShade. 2½ x 1½’. Winter–Spring.

2429-*Bricker*.

Hel5450 *Helleborus foetidus* (Hungarian form). BEARPAW STINKING HELLEBORE. Per. Sun/PtShade. 2½ x 1½’. Winter–Spring.

199-Greenish flowers with a red edge. Characterized by glaucous foliage and longer, narrower leaf segments. Native near Sopron, Hungary. *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. *Perron*.

Hel6600 *Helleborus x hybridus* (pink spotted). Per. PtShade. 1½ x 1½’. Winter–Spring.

199-Pink, spotted, bell-shaped flowers. *Cresson*.

Hel7200 *Helleborus x hybridus* (white, large). Per. PtShade. 1½ x 1½’. Winter–Spring.

199-White. A seedling from German breeder Gisela Schmeiman with particularly large, pure white flowers and buds shaped like roses. *Cresson*.

Hel7250 *Helleborus x hybridus* (white picotee). Per. PtShade. 1½ x 1½’. Winter–Spring.

199-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. *Cresson*.

Hel7350 *Helleborus x hybridus* (yellow). Per. PtShade. 1½ x 1½'. Winter–Spring.

199–Yellow blooms. Seed from two plants, may produce some good kids! *Cresson*.

Hel7550 *Helleborus x hybridus* ‘Sea Green’. LENTEN ROSE. Per. PtSun/PtShade. 12 x 18". Early Spring. Zone 4–9.

199–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? *Cresson*.

Hel8150 *Helleborus niger* ‘Potter’s Wheel’. CHRISTMAS ROSE. Per. PtShade. 1 x 1½'. Winter–Spring.

522–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*.

Hel8600 *Helleborus orientalis* subsp. *guttatus*. LENTEN ROSE. Per. PtShade. 1½ x 1½'. Winter/Spring.

199–White, cream, pink, or maroon flowers, generously spotted. Green nectaries. Seedlings of this group are always of good quality. *Cresson*.

Hel9800 *Helonias bullata*. SWAMP PINK. Per. Sun/PtShade. 6–12 x 6"; from 12–18 in bloom. Spring.

199–Pink flowers with blue stamens. A cherished native now becoming scarce. Continuously moist soil. Tall spikes of pink flowers. *Cresson*.

Hem1020 *Heemerocallis* ‘Corky’. DAYLILY. Per. Sun/PtShade. 2'. Summer. Zone 4a–9b.

84–Yellow flowers. From hybrid parent, which is my favorite small daylily, with mahogany-striped, yellow flowers. *Bowditch*.

Hem1300 *Heemerocallis* ‘Cranberry Baby’. DAYLILY. Per. Sun. 1'. Spring/Fall.

215–Red blooms. Don't know if it will come true from seed. Germ: CMS: 48 d, Scfy, Soak: 48 d, WMS: 28 d, Cycle: Cold Stratify dry, Soak, WMS w/ bottom heat. Germination can be erratic. BH, SR. *DeMarco*.

Hem2850 *Heemerocallis middendorffii*. DAYLILY. Per. Sun. 15 x 18; to 30" in bloom. Summer.

507–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. *Kolo*.

Hem3500 *Heemerocallis* ‘Red Rum’. DAYLILY. Per. Sun. 2' x 2'; to 3' in bloom. Summer.

590–Tomato red. No fragrance. Decent foliage after bloom. Has bloomed from July to September on a reliable basis. *Mahony*.

Hem3650 *Heemerocallis* ‘September Sun’. DAYLILY. Per.

200–Yellow daylily flowers. Parent is a 6', very late-blooming daylily (August–October). Germ: D; SR. *Creveling*.

Hem4000 *Heemerocallis thunbergii*. THUNBERG'S DAYLILY. Per. Sun. 3½ x 3'. Summer.

199–Golden yellow flowers. Blooms in August, later than most hybrids. Foliage holds up all summer. A good landscape plant. From Korean Collection. *Cresson*.

Hem5510 *Heemerocallis* Mixed Hybrids. DAYLILY. Per. Sun. 1½' x 2'. Summer.

507–Seed from good old diploid cultivars. *Kolo*.

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. *Haas*.

Hes0050 *Hesperaloe campanulata*. BELL FLOWER HESPERALOE. TenPer. Sun. 12–18 x 24–36". Spring. Zone 8a–11.

32–From cultivated material, via Pat McNeal of Texas. Germ: W, BC, NST. *Plant Delights*.

Heu2800 *Heuchera villosa*. HAIRY ALUMROOT. Per. Sun/PtShade. 1½ x 1'; to 2' in bloom. Late Summer–Fall.

543–Dark Form. White flowers. Velvety leaves that are rusty/gray, low to ground, still blooming in November. Germ: L; NST; 10–21 d. *Leasure*.

Heu2900 *Heuchera villosa* ‘Purpurea’. NATIVE CORAL BELLS. Per. PtShade. 1 x 1'. Summer–Fall.

318–Creamy, off-white flower. Takes drought well. *Garnett*.

Hib0300 *Hibiscus coccineus*. SWAMP HIBISCUS, SCARLET MALLOW. Per. Sun. 5–10 x 3–4'. Summer–Fall. Zone 6a–9b.

943–*Thomas*.

2515–Red blooms. Great perennial for a wet, sunny spot. The red flowers are a showstopper in August and September. *Doblmaier*.

9985–*Jenkins Arboretum*.

Hib0350 *Hibiscus coccineus* ‘Albus’. WHITE TEXAS STAR HIBISCUS. Shrub. Sun/PtShade. 4–10 x 3–4'. Summer.

1999–White blooms. Rare white-flowered form of our native *H. coccineus*, comes true from seed. 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. *Norfolk Botanical staff*.

2515–Lovely, white-flowered form of the straight species. Germ: NST. *Doblmaier*.

Hib1850 *Hibiscus militaris*. ROSE MALLOW. Per. Sun/PtShade. 5–6'. Summer.

45–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. *Bartlett*.

199–Light pink flowers. A native that is ideal for naturalistic plantings, especially in wet soils. Distinctive three-lobed leaves. Long bloom in midsummer. *Cresson*.

2515–The tall pink flowers remain upright through the summer and early fall. Germ: NST. *Doblmaier*.

Hib2000 *Hibiscus moscheutos* (syn. *Hibiscus palustris*). PINK ROSE-MALLOW. Per. Sun. 5+'. Late Summer.

239–White flowers—despite name! Tall, handsome, white-flowered form of mallow for the back of garden. Germ: W; BC; NST. *Doering*.

Hibiscus moscheutos (Continued) – *Hydrangea quercifolia*

Hib2000 *Hibiscus moscheutos* (Continued)

522-Pink and white blooms. A good tall (4'+) wetland perennial. Full sun. Source: Woodlanders Nursery. *Kushner*.

943-Large pink flowers in summer. *Thomas*.

9985-Pink or white blooms. Attracts hummingbirds. Germ: Scfy. We winter sow ours, but cold period not required. *Jenkins Arboretum*.

Hib2150 *Hibiscus moscheutos* subsp. *palustris*. MARSH MALLOW. Per. 5 x 5'. Summer.

199-Pink flowers. Plant in your garden or naturalize in wet areas. Minimally damaged by caterpillars compared to many other species and hybrids. *Cresson*.

2515-Pink flowers that provide a backdrop to my garden. Germ: NST. *Doblmaier*.

Hib2170 *Hibiscus moscheutos* var. *palustris* Rabun Co, GA. MARSH MALLOW. Per. 5 x 5'. Summer. Zone 5–8.

32-Collected by Jack Johnston. Germ: W, BC, NST. *Plant Delights*.

Hib2800 *Hibiscus trionum*. FLOWER-OF-AN-HOUR, VENICE MALLOW. An. Sun/PtShade. 12 x 6". Summer–Fall.

592-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. *Malocsay*.

797-Small pale yellow flowers, almost white, with deep wine throat and lacy foliage. Good weaver for pots or border. Self-sows modestly. Germ: BC. *Robinson*.

Hie0500 *Hieracium maculatum*. HAWKWEED. Per. Sun. 8–12 x 8–12"; 1–3' in bloom. Summer.

199-Small yellow, dandelion-like flowers on branched wiry stems above brown-mottled leaves. Naturalizes in rocky areas. *Cresson*.

Hie0600 *Hieracium pannosum*. HAWKWEED. Per. Sun/PtShade. Summer.

199-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. *Cresson*.

Hip1100 *Hippeastrum* hybrid. AMARYLLIS. TenBulb. 2 x 1½'; from 2–6' in bloom. Spring.

507-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. *Kolo*.

Hos0630 *Hosta* 'Empress Wu'. HOSTA. Per. PtSun/Shade. 4 x 4'. Summer. Zone 3–9.

3006-White blooms. The Empress is one of the world's largest hosta plants. But she is a complex hybrid so the seeds are for those of you who want to have a little hosta fun and know not to expect juvenile royals. *Mayer*.

Hos1300 *Hosta kikutii* var. *yakusimensis*. Per. PtShade/Shade. 1–1½ x 2'. Summer.

199-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. *Cresson*.

Hos1630 *Hosta plantaginea*. Per. PtShade/Shade. 18–28 x 36–48". Late Summer.

199-White August blooms. The most fragrant hosta with the largest flowers make classic essential for every shade garden. *Cresson*.

Hos2400 *Hosta tardiflora*. Per. PtShade. 6 x 10; to 8" in bloom. Fall.

199-Rich lavender flowers perfectly complement foliage color in October. An elegant species with glossy, dark green, pointed, firm textured foliage. *Cresson*.

Hos3000 *Hosta venusta*. Per. PtShade/Shade. 1–3 x 6"; to 10" in bloom. Summer–Fall.

199-Lavender flowers. A fine dwarf species. Rogue out larger seedlings, which are hybrids. *Cresson*.

Hyd1250 *Hydrangea anomala* subsp. *petiolaris*. CLIMBING HYDRANGEA. Vine. Sun/PtShade. 30–40 x 40'. Summer.

199-White blooms. Parent plant from wild collection in Huangshan, China and represents the Chinese species, less often seen than the Japanese subsp. *petiolaris*, which is similar but has heart-shaped leaves. *Cresson*.

Hyd1500 *Hydrangea arborescens* 'Total Eclipse'. SMOOTH HYDRANGEA. Shrub. Sun/PtSun. 3–5 x 3–5'. Summer. Zone 4–9.

2137-White blooms. A good care-free massing shrub, this hydrangea blooms in June with fragrant lacecap flowers. Seedheads remain upright through the winter. Germ: Cycle: refrigerate for 90 d, then room temp for 90 d. *Boylan*.

Hyd2400 *Hydrangea heteromalla* *Bretschneideri* Group. Shrub. Sun/PtShade. 15 x 10'. Summer.

199-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. *Cresson*.

Hyd2500 *Hydrangea hirta*. Shrub. PtShade/Shade. 4'. Late Spring/Early Summer.

3001-All fertile, white blossoms. Dark green leaves, deeply incised. Mixes well with *H. arborescens* in the woodland garden. Germ: W; L, SS, 21 d. Germinate "under glass". *Gregg*.

Hyd3650 *Hydrangea quercifolia* 'Little Honey'. LITTLE HONEY OAKLEAF HYDRANGEA. Shrub. PtShade. 3–4'. Summer. Zone 5–9.

3001-White blossoms. Seed is from 'Little Honey', a small, compact yellow-leaved form of Oak Leaf Hydrangea. Not all seedlings will be yellow-leaved, but still make a nice smaller hydrangea. *Gregg*.

Hyd4000 *Hydrangea serrata* ‘O-amacha Nishiki’. Shrub. PtSun/Shade. 3½ x 3½’. Summer. Zone 6–9.

199-Blue blooms. Leaves strikingly variegated with creamy yellow speckles, reddish venation and midrib, and red petioles. Blue lacecap flower heads. Variegation may come true from seed. If not you can make tea from the dried leaves of the variety oamacha as the Japanese do. *Cresson*.

Hyd4030 *Hydrangea serrata* (early light blue). Shrub. Sun/PtShade. 4 x 4’. Summer/Fall.

199-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.) *Cresson*.

Hyd4300 *Hydrangea serrata* (Korean form). Shrub. PtShade/Shade. 3 x 4’. Summer.

199-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 hardiest blue hydrangea. Widens by rhizomes. *Cresson*.

Hyd5000 *Hydrangea sikokiana*. Shrub. PtShade/Shade. 4–6’. Late Spring–Early Summer.

3001-Large white lacecap inflorescence. Japanese woodland hydrangea, limited distribution. Requires supplemental water during dry periods. Germ: W; L, SS. Germinate “under glass”. *Gregg*.

Hyp1250 *Hypericum frondosum* ‘Sunburst’. GOLDEN ST. JOHN’S WORT. Shrub. Sun/PtShade. 2–4 x 2–4’+. Summer.

2515-Started this from HPS seed three years ago and it finally bloomed! Well worth the wait with stunning yellow flowers. I grow my plant in wetter soil than most plant descriptions state it should be in. *Doblmaier*.

Hyp1350 *Hypericum henryi* subsp. *henryi*. ST. JOHN’S WORT. Sun/PtShade. 4 x 5’. Summer/Fall.

199-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. *Cresson*.

Hyp1550 *Hypericum x inodorum*. ST. JOHN’S WORT. Shrub. Sun/PtShade. 3–5 x 3–5’. Summer–Fall. Zone 6–9.

2937-Flowers are on the small side (¾”) and a typical hypericum yellow, but the real attraction are the bright red berries which soon follow. The long-lasting berries are commonly used in cut flower arrangements. *Bittmann*.

Hyp1600 *Hypericum kalmianum* ‘Blue Velvet’. ST. JOHN’S WORT. Shrub. Sun/PtSun. 2–3 x 3–4’. Summer. Zone 4–10.

199-Yellow blooms. Compact dome of blue foliage and small yellow flowers through much of summer. Tough native shrub for heat and drought. *Cresson*.

Hyp1850 *Hypericum latisepalum*. Shrub. Sun. 5–6 x 5–6’. Summer. Zone 4–8.

199-Bright yellow flowers. Rare and spectacular arching shrub with large 2” flowers for over a month. Suffers in hard winters. My plant from seed collected by National Arboretum in Yunnan Province, China as SABE 24A. *Cresson*.

Hyp2450 *Hypericum tomentosum*. ST. JOHN’S WORT. Per. Sun. 1 x 2’. Summer.

199-Yellow flowers. Many small flowers over long time in summer. Gray foliage. Flops in rich soil, but great in poor soil or wall crevice. Plant originally from Tony Avent. *Cresson*.

Hyp6010 *Hypoxis rooperi*. STAR FLOWER, APE’S ARMPIT. TenPer/Per. Sun/PtShade. 1 x 2’. Fall.

592-Bright yellow flowers, a few at a time, summer-fall. RHS dictionary says difficult, resenting disturbance. Pot plant for me, dry overwinter in cool cellar. Odd foliage triangulation has grown on me. *Malocsay*.

Hyp3010 *Hystrix patula* (syn. *Elymus hystrix*). BOTTLEBRUSH GRASS. Per. PtShade/Shade. 12 x 12”; to 3’ in bloom. Late Summer.

2429-Germ: CMS: 30 d. *Bricker*.

Ide2010 *Idesia polycarpa*. Tree. Sun/PtShade. 40 x 40’. Summer.

1999-Small yellowish-green fragrant flowers blooms. Dioecious, fast-growing Asian tree noted for its large, 10” cordate leaves, fragrant yellow-green flowers in panicles in June, followed by clusters of small red berries in autumn and winter. Germ: CMS: 30 d, Soak: 1 d, Cycle: Soak seeds overnight in warm water then cold, moist stratify for 30 d; germination commences when seeds are returned to 70°F in 21 d. *Norfolk Botanical staff*.

Ile0450 *Ilex decidua* ‘Warren’s Red’. WARREN’S RED POSSUMHAW HOLLY. Shrub. Sun/PtShade. 4–12’. Spring.

522-Scarlet/red berries on an upright, deciduous holly. Source: Woodlanders Nursery. *Kushner*.

Ile0950 *Ilex pedunculosa*. LONGSTALK HOLLY. Shrub. Sun/PtShade. 15’x10’. Zone 5.

199-Spineless evergreen holly from China/Japan. Prominent red fruit hangs on long stalks among the leaves. Zone 5 hardiness. *Cresson*.

III1500 *Illicium floridanum*. FLORIDA ANISE-TREE. Shrub. 6–10’. Zone 6–9.

199-Red blooms. Good substitute for rhododendrons. Heavy flowering in May, continuing intermittently into fall. *Cresson*.

Imp3000 *Impatiens namchabarwensis*. BLUE DIAMOND IMPATIENS, SAPPHIRE JEWELWEED. TenPer. 18 x 18”. Fall.

965-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. *Umphrey*.

Ind1600 *Indigofera kirilowii*. INDIGO, CHINESE INDIGO. Shrub. Sun. 2–3 x 2–3’. Summer. Zone 5–7.

522-Low-growing (2-3’) shrub with rose-colored, wisteria-like blooms. Full sun, deciduous, and suckering. *Kushner*.

Ind2100 *Indigofera pseudotinctoria* ‘Rose Carpet’. DWARF FALSE INDIGO. Shrub. Sun/PtShade. 1 x 1½’. Summer.

199-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. *Cresson*.

1277-Pink flowers. *Haas*.

Inu2370 *Inula helenium*. ELECAMPANE. Per. Sun. 1 x 1–2’; from 5–8’ in bloom. Spring–Summer.

2137-Yellow blooms. This perennial grows to 8’ tall with many side branches with numerous bright yellow flowers from mid to late summer. Germ: W, 90 d. *Boylan*.

2517-Yellow 2” flowers with many rays; thrives in moist soil but will tolerate dry also. Perennial herb blooming Spring-Summer. Germ: NST. *Weaver*.

3321-Yellow flowers. A sun lover. Germ: W, SS, NST, 90 d. *Perron*.

Iph1000 *Ipheion* ‘Alberto Castillo’. SPRING STAR FLOWER. Bulb. Sun/PtShade. 8”. March/April. Zone 5–9.

199-White blooms. Bulb. Sun/DecShade. 8”. March/April. This South American native is unusually long blooming (5-6 wk) for a hardy spring bulb. This cultivar has proven one of the hardiest and most vigorous. White flowers have an attractive dark stripe on the back of the tepals and buds. *Cresson*.

Ipo1350 *Ipomoea* ‘Chocolate Rose Silk’. HYBRID MORNING GLORY. TenVine. Sun/PtShade. 3–20’. Late Spring–Fall.

522-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*.

Ipo2550 *Ipomoea x multifida*. CARDINAL VINE. An. Vine. Sun. 8–10 x 3’. Summer–Fall.

1918-Red flowers. *Carey*.

3006-Red blooms. Climbing, twining vine to 15’! Keep well-watered. A cloud of little red trumpets once it gets going. Seems to take a long time to develop momentum but rewards patience. Interesting leaves. Germ: NST. Blooms late into the fall. *Mayer*.

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. *Wiedorn*.

Ipo5010 *Ipomopsis rubra*. STANDING CYPRESS, SCARLET GILIA, SKYROCKET. An./Bien. Sun/PtShade. 6” spread; 2–3’ in bloom. Spring–Summer.

199-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. *Cresson*.

446-Red flowers. Single upright stems covered with tubular red flowers. Attracts hummingbirds. Sow in pots early to grow as an annual. Germ: NST; C or W, 14d. *Humphrey*.

Ipo5010 *Ipomopsis rubra*. (Continued)

2452-Feathery foliage forms a 5’ stalk of gorgeous red flowers spikes in summer. Native to S.E. United States. Hummingbird magnet. Cut the first stalk back after blooming to extend blooming period. Biennial. Allow to self seed. Germ: SIS, NST. *Britt*.

Iri1050 *Iris domestica* (syn. *Belamcanda chinensis*). BLACKBERRY LILY LEOPARD LILY. Per. Sun/PtShade. 1½–3 x 1–4’; from 2–4’ in bloom. Summer. Zone 4–10.

2688-*Richardson*.

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. *Axel*.

Iri1055 *Iris domestica* ‘Gone with the Wind’ (syn. *Belamcanda chinensis*). BLACKBERRY LILY. Per. Sun. 5–7’. Summer–Fall. Zone 5–8.

32-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’ (syn. *Belamcanda chinensis* ‘Hello Yellow’). YELLOW BLACKBERRY LILY. Per. Sun/PtShade. 1 x 1’. Summer.

215-Yellow blooms. Dwarf blackberry lily. Blooms July-frost. Germ: CMS; BC. *DeMarco*.

522-Lovely, clear yellow flowers. *Kushner*.

Iri1070 *Iris domestica* hybrid.

45-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. *Bartlett*.

Iri1450 *Iris ensata* (purple). Per. Sun. 3½ x 3½’. Summer.

199-Single blue-purple flowers. Much admired flowers with falls veined in purple. Moist soil. *Cresson*.

Iri1600 *Iris ensata* ‘Stippled Ripples’. JAPANESE IRIS. Per. Sun/PtShade. 2–3 x 3’. Late Spring–Early Summer.

522-White blooms with purple accents on a good bog iris. *Kushner*.

Iri2200 *Iris foetidissima* var. *citrina*. STINKING GLADWYN. Per. Sun/PtShade. 3’. Spring.

199-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. *Cresson*.

Iri2300 *Iris fulva*. LOUISIANA IRIS GROUP. Per. Sun. 3–4 x 3’. Spring.

9985-Copper orange blooms. *Jenkins Arboretum*.

Iri2720 *Iris laevigata*. JAPANESE IRIS, RABBIT-EAR IRIS. Per. Sun/PtSun. 2–3’. Spring. Zone 4–9.

45-White blooms. Germ: NST. We sow all seeds with an appropriate depth of growers grit-sized chicken grit. *Bartlett*.

Iri3300 *Iris pseudacorus*. YELLOW FLAG IRIS. Per. Sun. 2 x 2’; to 3’ in bloom. Spring.

522-Yellow flowers. Indispensable marginal/bog plant beside a pond. Very vigorous, so do not let it get ahead of you. *Kushner*.

Iri3300 *Iris pseudacorus*. (Continued)

1020-Yellow flowers. Good native for damp areas. Very vigorous. Germ: NST. *Wiedorn*.

2515-Yellow flowers on a vigorous, native plant. Likes wet soils. *Doblmaier*.

Iri3670 *Iris Louisiana hybrid*.

45-Orange blooms. Seed from a hardy LA hybrid iris. Easy, hardy, and vigorous. Germ: Seed is in a 'corky' covering which may be removed. Soak overnight. Sow with grit to hold seed in place. Be patient. *Bartlett*.

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

9969-Purple blooms. *Zatsick*.

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

446-Blue or white. Germ NST, W, 35d. *Humphrey*.

522-Purple and white mixed. Even when not in bloom, a worthy plant. Strong foliar presence. *Kushner*.

Iri6500 *Iris tridentata*. Per. Sun/PtShade. 15". Summer.

199-Lavender flowers. July blooming. Thrives in wet soil or shallow water. Native species and one of latest to bloom. Rhizomatous. Young foliage purple in spring is much admired. *Cresson*.

Kal1050 *Kalimeris incisa*. BLUE STAR ASTER. Per. Sun/PtShade. 2 x 1'. Late Summer–Fall.

239-Lavender blooms through most of summer into early fall. Very dependable and ornamental for a long time! Germ: CMS; BH; BC. *Doering*.

522-Bluish lavender with yellow center. Summer blooming. Very adaptable. Germ: BC. *Kushner*.

Kei1000 *Keiskeia japonica var. hondoensis*. Per. PtShade. 24–36 x 18–24". Summer/Fall.

199-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. *Cresson*.

Kna1050 *Knautia macedonica*. Per. Sun/PtShade. 24–30 x 24". Summer/Fall.

199-Wine-red flowers. Smallish rounded scabiosa-like flower heads on slender stems above a bushy plant. Invaluable for its intense color most of the summer in various planting schemes. A midsummer deadheading is worth the improved performance and appearance. Durable and reliable in my garden for many years and will provide additional seedlings. *Cresson*.

Kni1900 *Kniphofia 'Toffee Nosed'*. RED HOT POKER. Per. Sun. 3 x 3'. Summer/Fall. Zone 7a–10b.

199-Toffee/cream blooms. Per. Sun. 3 x 3'. summer/Fall. Long blooming. Spikes of cream flowers topped by toffee-orange buds. Intriguing hybrid that has been a good performer here so when it set seed I thought it worth sharing to see what variations pop up. *Cresson*.

Kol1000 *Kolkwitzia amabilis*. Shrub. 8'.

3001-Pink blooms. To 8-10', zone 4. Best in filtered light/part shade. A member of the Honeysuckle family, related to weigelia and diervilla. Outstanding spring flowers that cover the plant. Exfoliating bark for winter interest. Germ: W, NST, *Gregg*.

Kos1250 *Kosteletzkya virginica*. VIRGINIA MALLOW, SEASHORE MALLOW. Per. Sun. 4–5 x 3'. Late Summer–Fall.

522-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*.

Kos1300 *Kosteletzkya virginica 'ACE basin'*. SEA SHORE MALLOW. Per. Sun/PtSun. 4–5 x 2'. Summer. Zone 5a–10b.

32-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*.

Lab1050 *Lablab purpureus (syn. Dolichos lablab)*. HYACINTH BEAN. An. Vine. Sun. 9'+. Summer–Fall.

590-Pink blooms. Green foliage with burgundy veins. Abundant flowers till October. Spectacular purple, bean-like pods. Easy germination, easy vigorous-grower to 15'+. *Mahony*.

965-Purple flowers. This form has green foliage and earlier blossoms. Germ: BH, W. *Umphrey*.

3176-Purple flowers followed by gorgeous purple seedpods on annual dark-leaved vine growing to 10'. Abundant flowers until frost. Germ: NST, SIS. *Maher*.

Lab1060 *Lablab purpureus albus*. HYACINTH BEAN. An. Vine. Sun. 9'+. Summer–Fall.

200-White blooms on 9'+ vine. Germ: SIS, NST. *Creveling*.

Lan1100 *Lantana horrida*. TEXAS LANTANA. TenPer. Sun. 12 x 12'. Summer. Zone 8a–11.

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

Lan1150 *Lantana camara 'Miss Huff'*. LANTANA. Per. Sun. 3'.

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. *Silberstein*.

Lat0010 *Lathyrus aureus*. TenPer. Sun/PtShade. 18–24 x 12–15". Late Spring–Early Summer. Zone 7a–9b.

1607-Hardy perennial sweet pea on a non-climbing, bushy plant. Spikes of coppery orange pea flowers in early summer. Rarely available commercially because seed can be erratic to germinate. Germ: Scfy, Soak, W. Germination can be erratic. *Jellinek*.

Lat0050 *Lathyrus latifolius*. EVERLASTING PEA, PERENNIAL PEA. PerVine. Sun/PtShade. 6–9'. Summer–Fall.

522-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*.

Lathyrus latifolius – *Lilium martagon*

Lat1200 *Lathyrus latifolius* ‘Nimbus’. SWEET PEA. An. Vine. Sun. Summer–Fall. Zone All.

522–Outstanding sweet pea. Eggplant-streaked flowers are marbled, sweetly scented, and floriferous. *Kushner*.

Lat1400 *Lathyrus palustris*. PerVine. Sun/PtShade. 8’. Summer. 507–Clear warm pink flowers. A perennial climbing pea—goes from strength to strength, year after year. This is the lathyrus for magenta haters, of which I am not one! Germ: Soak, probably. *Kolo*.

Lat2700 *Lathyrus vernus* ‘Alboreus’. HARDY SWEET PEA. Per. Sun/PtShade. 8–12 x 12”. Spring.

200–Pink and white flowers on spring-blooming, bushy perennial to 1’. Germ: Scfy, BH. *Creveling*.

Lav0500 *Lavandula angustifolia*. Per. Sun. 2 x 2’.

199–Purple blooms. Shrub, Sun. 18 x 18”. June and reblooms. ‘Hidcote’ has self-sown in my rock garden and this seed is from those compact seedlings. Gray foliage, purple flowers, and somewhat variable. *Cresson*.

Leo4000 *Leonurus sibiricus*. SIBERIAN MOTHERWORT, HONEYWEED. Per. Sun. 4–6’. Midsummer.

118–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. *Stonecrop Gardens*.

Les1300 *Lespedeza bicolor* ‘Island Dwarf’. Shrub. Sun. 3 x 3’. Summer.

199–Light pink flowers. Dwarf form collected on island of Yakushima, Japan. Introduced by Barry Yinger. Good for rock garden. Drought tolerant. Repeats. *Cresson*.

Leu1200 *Leucojum aestivum*. SUMMER SNOWFLAKE. Bulb. Sun/PtShade. 12–18 x 9–12”. Spring. Zone 4–8.

1939–Delicate white flowers in 2–5 stems in early spring. Germ: CMS. *Urffer*.

Leu4010 *Leucosceptrum stellipilum*. Per. PtShade. 1½ x 1½’. Fall.

199–Spikes of lavender flowers in October. Bushy Chinese woodlander. Tolerates dry shade. *Cresson*.

Lev1050 *Levisticum officinale*. LOVAGE. Per. Sun. 3 x 2’; to 6’ in bloom. Summer.

1017–Greenish white, 6–7’ tall, umbellifer with fragrant ferny foliage. A statuesque bold herb that doesn’t need staking, at least for me. *Whitesell*.

Ley1100 *Leycesteria formosa* ‘Gold Leaf’. HIMALAYAN HONEYSUCKLE. Shrub. Sun/PtSun. 4 x 4’. Summer. Zone 6b–10a.

3001–Purple blooms. To zone 6b with protection. A multicaned deciduous shrub to 4 x 4’. Attracts hummingbirds. An attractive, bright statement that holds its color well into the season. Yellow-leafed form comes true from seed. Considered invasive in warmer climates. Germ: W, BC. Start warm—if no germination within 3–4 wk, give 1 mo cold. *Gregg*.

Lia0625 *Liatris elegans*. PINK-SCALE BLAZING STAR, PINK-SCALE GAYFEATHER. Per. Sun. 18”. Zone 7b–10b.

9968–*Roper*.

Lia1050 *Liatris ligulistylis*. MEADOW BLAZING STAR, SHOWY GAY FEATHER. Per. Sun. 1½’; from 5–6’ in bloom. Summer–Fall.

446–Blooms 2–3 wk before *L. scariosa*. Total magnet for monarch butterflies from central plains of USA. Germ: W; 7–30 d. *Humphrey*.

558–Purple flowers on tall (4’) sun-loving native, a monarch butterfly magnet in September. No staking. *Lewis*.

Lia1600 *Liatris microcephala*. DWARF GAYFEATHER, DWARF BLAZING STAR. Per. Sun. 12–18 x 6–12”. Late Summer. Zone 4–7.

199–A dwarf species suitable for the rock garden forming clumps of 12” pink flower spikes above narrow grassy foliage. *Cresson*.

Lia1850 *Liatris pycnostachya*. PRAIRIE BLAZINGSTAR, KANSAS GAYFEATHER, DENSE-SPIKED BUTTON SNAKEROOT. Per. Sun. 5–6’. Summer–Fall.

1999–Lavender blooms. Germ: CMS: 60 d. *Norfolk Botanical staff*.

Lig0010 *Ligularia* ‘Britt Marie Crawford’. Per. Sun/PtShade. 3¼’. Midsummer–Early Fall. Zone 4–8.

3321–Yellow-orange blossoms. Very purple leaves. *Perron*.

Lig1050 *Ligularia fischeri*. Per. PtShade/Shade. 5 x 3’. Fall.

199–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. *Cresson*.

Lig1340 *Ligularia japonica* ‘Chinese Dragon’. Per. PtShade. 3 x 4’. Summer. Zone 4–8.

558–Yellow blooms in mid to late summer. 3 x 2’. PtShade. Loves moisture. Sturdy with gorgeous cut foliage. No snail or slug damage. *Lewis*.

Lil1900 *Lilium hansonii*. LILY. PerBulb. Sun/PtShade. 2–4’. Summer.

32–Orange blooms. Germ: Cycle: normal lily germination instructions, OW, BC, NST. *Plant Delights*.

Lil1950 *Lilium henryi*. HENRY’S LILY. PerBulb. Sun/PtShade. 2–10’ x 8”. Summer–Fall.

199–Yellow-orange. A great long-lived, virus-resistant garden lily. An easier woods lily than *L. martagon*. *Cresson*.

Lil2310 *Lilium leichtlinii* var. *maximowiczii* NARGS 2335. LESSER TIGER LILY. Per. Sun/PtSun. 6’. Late Summer. Zone 4a–8b.

32–Orange blooms. Germ: OW, BC, NST. *Plant Delights*.

Lil2800 *Lilium martagon* hybrids. TURK’S CAP LILY, MARTAGON LILY, MOUNTAIN LILY, EUROPEAN WOOD LILY. PerBulb. Sun/PtShade. 3–5’. Summer.

199–Orange blooms. Seed from various orange hybrids, some spotted. Long-lived, drought tolerant, and very virus resistant. *Cresson*.

Lil2850 *Lilium martagon* ‘Claude Shride’. PerBulb. Sun/PtShade. 3–5’. Summer.

200–Dark red flowers. Blooms early summer. *Creveling*.

Lil3300 *Lilium regale*. PerBulb. Sun/PtShade. 3–4 x 1'. Summer. 446-White with green and purple flush. Easily grown. June blooming. Germ: Cycle. *Humphrey*.

Lil3380 *Lillium 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 dalhansonii*, a cross between *L. martagon* var. *cattaniae* 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. *Haas*.

Lin3100 *Lindera angustifolia glauca*. ASIAN SPICE BUSH. Shrub. PtShade. 6–8 x 6–8'.

3001-Hardy to zone 6, dioecious, to 10 x 6'. Narrower leaves than its American cousin, medium to dark green through the season. Fall color is a brilliant orange, coral, red, that eventually turns to a light tan, with leaves held through the winter. Seeds are moist packed. Require 90 d cold on receipt. Germ: Seeds are moist packed warm. Require 90 d cold on receipt, then warm to germinate. *Gregg*.

Lin3500 *Lindera benzoin*. SPICEBUSH. Shrub. Sun/PtShade/Shade. 6–12 x 6–12'. Spring. Zone 4–9.

269-Greenish yellow blooms. Native, 6-12' shrub that spreads as far. Male and female flowers are borne on separate plants, and appear before the leaves. This is the first shrub to bloom in my garden in earliest spring. The tiny, petalless flowers are borne in small clusters along the stems and are followed by small red berries in fall cherished by birds. The foliage has a spicy fragrance and turns yellow in fall. Spicebush swallowtail butterflies depend on this species for their larvae. This plant thrives in sun to part shade and a wide range of soils. Germ: Berries were collected, the pulp of the berry removed, and the cleaned seeds have been stored in moist sand in the refrigerator since collection. They generally need 4 mo of CMS to germinate, so recipients may want to CMS for 1 more mo upon arrival. *Ellis*.

3001-Yellow blooms. Eastern North American native to 10'. Forest edge/part shade. Bright yellow leaves in fall and red berries on the female plants (dioecious). The entire plant is aromatic. Nice structure. Germ: Seed has been moist packed warm, so needs 3 mo cold on receipt. *Gregg*.

Lob1250 *Lobelia cardinalis*. CARDINAL FLOWER. Per. Sun/PtShade. 1–3 x 1+'. Summer–Fall.

239-Red flower spike. Plant does best in moist sunny areas. Germ: BH; BC; NST. Do not allow germinating seed to dry out. Open pollinated. *Doering*.

318-Red flowers. Germ: SIS. *Garnett*.

446-Bright red. Hummingbird flower. Great in moist soil and sun. Germ: NST, 4-7d. *Humphrey*.

522-A native, scarlet red plant that needs moisture. 2-3'. Blooms July-September. *Kushner*.

590-Bright red blooms. Easy. Reseeds. *Mahony*.

1607-Bright red flowers attract hummingbirds. Prefers sunny, moist conditions, but also does well in my drier garden in part sun. *Jellinek*.

Lob1250 *Lobelia cardinalis*. (Continued)

2137-Red blooms. Set against deep green foliage, pure red flowers appear on 2' long spikes atop 3-4' tall plants providing a spectacular garden display in the heat of summer. Great pollinator plant! Germ: W, L, NST, 90 d. *Boylan*.

3321-Red blooms. Great hummingbird attractor. *Perron*.

Lob1750 *Lobelia siphilitica*. GREAT BLUE LOBELIA. Per. Sun/PtShade. 2–4 x 1'. Late Summer–Fall.

797-Adds welcome blue flowers late in season. Self-sows. *Robinson*.

Lun0050 *Lunaria annua*. MONEY PLANT, HONESTY. Bien. Sun/PtShade. 3 x 1'. Spring.

3176-Purple blooms in spring fill a void between bulbs and later spring flowers. Dried seed pods are great in arrangements. Germ: NST, SIS. *Maher*.

Lun2050 *Lunaria annua* var. *albiflora* 'Alba Variegata'. VARIEGATED MONEY PLANT, HONESTY. Bien. Sun/PtShade. 3 x 1'. Spring.

199-White flowers. White-edged leaves. Variegation fades in summer heat. May germinate green, but will become variegated in spring. *Cresson*.

Lun2200 *Lunaria annua* var. *albiflora* 'Rosemary Verey'. MONEY PLANT, HONESTY. Bien. Sun/PtShade. 2–4 x 2–3'. Spring.

215-Purple blooms. Germ: Biennial. Sow in late summer, fall. *DeMarco*.

Lun2500 *Lunaria annua* var. *albiflora* 'Variegata'. VARIEGATED MONEY PLANT. Bien. Sun/PtShade. 3 x 1'. Spring.

554-Magenta blooms. Biennial. Germ: SIS, NST. Will self-sow once established in garden. *Levine*.

797-Germ: BC; SIS. *Robinson*.

9995-White flowers (although cross with lavender blooms might be possible). Variegated leaf margin. *Scott Arboretum*.

Lup2500 *Lupinus polyphyllus*. LUPINE. Per. Sun. 2 x 1'. Summer.

84-Spiky, lavender-blue blooms on 2-3' perennial in early summer. Attractive foliage. Germ: NST, SIS. *Bowditch*.

Lyc2750 *Lychnis cognata*. Per. Sun. 2½–3 x 1–1½'. Summer.

199-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. *Cresson*.

Lyc3050 *Lychnis coronaria*. ROSE CHAMPION, CATCHFLY. An./Bien./Short-lived Per. Sun/PtShade. 2–3 x 1–1½'. Summer. Zone 4–8.

65-Rose flowers. Biennial. *Berger*.

199-I consider this an essential component of the early summer garden with felty gray foliage and magenta flowers. Self-sown seedlings easily relocated fall or spring. *Cresson*.

1277-Magenta flowers. Nice silvery foliage and bright flowers. Self-sows but not a problem. *Haas*.

Lychnis coronaria – *Mahonia japonica*

Lyc3100 *Lychnis coronaria* ‘Alba’. WHITE CAMPION, WHITE CATCHFLY. Bien./Short-lived Per. Sun/PtShade. 2–2½ x 1–1½’. Summer.

65-Berger.

Lyc3150 *Lychnis coronaria* ‘Angel Blush’. CAMPION, CATCHFLY. Bien./Short-lived Per. Sun/PtShade. 2½ x 1½’. Summer.

269-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 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. *Ellis*.

Lyc3250 *Lychnis coronata* ‘Orange Sherbet’. Per. Sun/PtSun. 12–18 x 12–15”. Late Spring–Midsummer. Zone 5a–9b.

199-Orange blooms. Clumps of rounded habit, 1 x 1’. Long bloom time since it is reputedly sterile, but did produce this seed. Good early to midsummer bloom display over light green foliage. Unlike many *Lychnis*, a good perennial. *Cresson*.

Lyc3550 *Lychnis* ‘Lipstick’. MALTESE CROSS. Per. Sun/PtSun. 18–24 x 15”. Summer. Zone 4–8.

199-Orange-red flowers above bronzy-purple foliage in early summer. *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. *Bricker*.

Lys1750 *Lysimachia minoricensis*. Bien. Sun. 1 x 3; to 12–15” in bloom. Summer.

199-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. *Cresson*.

592-White blooms. A personal favorite for many years—foliage interest especially, flowers nondescript. Usually self-sows, but I save seed just in case. Description from Charles Cresson...This endemic of the South island of Menorca is now extinct in the wild but has shown remarkable adaptability to gardens. A biennial forming rosettes of attractive white-veined leaves, then a single stem with small white flowers. Persists by self-sowing, especially among rocks. Easy and nice, always attracting attention. Help save this rare species. *Malocsay*.

Mag1100 *Magnolia fordiana* var. *yuyuanensis* x *insignis*. Tree. 32-Seeds from a hybrid plant, OP. Should be evergreen with narrow leaves. Germ: CMS, OW, D, NST. *Plant Delights*.

Mag1200 *Magnolia grandiflora*. SOUTHERN MAGNOLIA. Tree. Sun/PtShade. 60–80 x 30–50’. Spring/Early Summer, reblooms through Fall.

9995-Cream white flowers. Large, evergreen tree with fragrant summer flowers. Produces vibrant rosy red seed cones. Germ: CMS 3-6mo. *Scott Arboretum*.

Mag1400 *Magnolia grandiflora* ‘Victoria’. SOUTHERN MAGNOLIA. Tree. Sun/PtSun. 30 x 25’. Spring. Zone 6a–9b.

45-White flowers. A smaller, hardy cultivar of *M. grandiflora*. Long bloom period. Evergreen, but not bothered by heavy snow here. Germ: NST. 90 d. *Bartlett*.

Mag1650 *Magnolia macrophylla*. BIG LEAF MAGNOLIA, UMBRELLA TREE. Tree. Sun/PtShade. 30 x 30’. Summer. Zone 5–8.

84-White blooms. A tree not good for a small residential landscape but with its large (12-30”) leaves and large (8-10”) fragrant flowers, can be useful in a large area. Tree grows to 40’. Flowers in early summer. Germ: CMS: 90 d, C. *Bowditch*.

3001-White blooms. An East Coast native, makes a great addition to the woodland garden background. Protect from strong winds. Fast growing to 30-40’, so pot up regularly. Leaves can be 3’ long. Germ: CMS: 120 d. Needs CMS 3-4 mo, then room temperature, to germinate in 30-45 d. Seed is moist packed, so germination rate should be high. *Gregg*.

Mag1750 *Magnolia sieboldii*. Shrub. Sun/PtShade. 25 x 40’. Spring–Summer.

45-White blooms with pink centers. Vigorous, shrubby, Asian magnolia species. Very hardy. Long flowering period. Small enough for any garden. Germ: NST. 90 d. *Bartlett*.

Mag1770 *Magnolia sieboldii* ‘Colossus’. OYAMA MAGNOLIA. Tree. Sun. 12–15”. Late Spring/Early Summer. Zone 5–9.

9995-White, pendant blooms. Deciduous tree, small 10-15’ tall and wide. Enjoys the woodland edge. *Scott Arboretum*.

Mag5050 *Magnolia virginiana*. SWEETBAY MAGNOLIA, VIRGINIA MAGNOLIA. Shrub/Tree. Sun/PtShade. 28 x 20’. Summer–Fall.

45-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. *Bartlett*.

522-Kushner.

926-Ivory flowers. Very fragrant. Leaves have silver undersides. Germ: CMS 3 mo. *Streeter*.

Mah1000 *Mahonia japonica*. Shrub. PtSun/Shade. 8’x8’. Winter. Zone 6–8.

199-Yellow blooms. Similar to *M. bealei*, but in my opinion, the best hardy mahonia and the most fragrant. Flower racemes are longer, strongly scented, and plant habit is fuller and less stalky. Late winter bloom. Does well in dry shade. Deer resistant. *Cresson*.

Mal5000 *Malvaviscus arboreus*. TURK'S CAP, WAX MALLOW. Shrub. Sun/PtSun. 2–6 x 2–6'. Summer. Zone 8–9.

1999-Red blooms. Hardy, adaptable shrub attracts butterflies and hummingbirds. Germ: Cycle: Plant seeds after the last danger of frost, cover lightly; seeds prefer warmer soil temperatures to germinate. BH, 14 d. *Norfolk Botanical staff*.

Man1000 *Manfreda maculosa* Karnes Co, TX. TEXAS TUBEROSE. Per. Sun/PtSun. 12". Zone 7b–10b.

32-White blooms. Seeds from garden plants grown from wild-collected seed. Germ: W, BC, NST. *Plant Delights*.

Man2000 *Manfreda undulata*. Per. Sun.

1999-Maroon blooms. Deciduous, ground-hugging rosettes accented by succulent, undulating leaves of medium green. Flower stalks shoot 3' into the air. Fragrant, night-blooming, maroon flowers are pollinated by moths. Germ: Soak: 1 d, Cycle: Soak seeds overnight in warm water then sow. Fresh seed germinates in 7–21 d at 68–72°F (19–22°C). 21 d. *Norfolk Botanical staff*.

Man2100 *Manfreda virginica*. Per. Sun. 2 x 2–4'; to 6' in bloom. Summer.

45-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. *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. *Jenkins Arboretum*.

Man2500 *Manihot grahamii*. GRAHAM'S MANIHOT. Per. Sun.

32-Yellowish blooms. Euphorbiaceae. Source: A. Galloway. Germ: W, D, NST. *Plant Delights*.

Mar1150 *Marrubium incanum*. SILVER HOREHOUND. Per. Sun. 1½ x 2'. Summer.

199-White blooms. Hairy gray-green foliage. Spikes of small white flowers in June-July. Plants are 16" tall, sprawling to a bit wider. Requires good drainage and sun. From Italy and the Balkans. *Cresson*.

Mar1400 *Marshallia grandiflora*. BARBARA'S BUTTONS. Per. PtShade. 12 x 12". Summer.

558-Light catching, pale pink flowers. Very pest resistant. Easy from seed. Charming, early summer native woodlander, tolerating more dryness than Cullina says. Germ: NST. *Lewis*.

Mec0050 *Meconopsis cambrica*. WELSH POPPY. Per. PtShade. 1½ x 1'. Spring–Fall.

199-Orange flowers. Prolific bloom May-June, then repeats through fall if deadheaded. Likes to seed into walls that face north and west. Cool conditions preferred. Lovely with candelabra primroses in June. Germ: SIS or sow into pots placed outside. May not germinate first year. *Cresson*.

797-*Robinson*.

Mel6000 *Melothria scabra*. MEXICAN SOUR GHERKIN, MEXICAN MINATURE WATERMELON. AnVine. Sun.

269-Yellow flowers on a vine grown for its edible fruit. Fruit are about the size of grapes and taste like cucumbers with a tinge of sourness. *Ellis*.

Met1010 *Metasequoia glyptostroboides*. DAWN REDWOOD. Tree. Sun. 70–100 x 25'.

200-*Creveling*.

Mim3550 *Mimulus ringens*. Per. Sun/PtShade. 2–4 x 1'. Summer.

2515-Lovely lilac-purple flower color. Great plant for the wet areas of the garden. *Doblmaier*.

Mir1010 *Mirabilis jalapa*. FOUR O'CLOCK. An./TenPer. Sun. 3–5 x 2–4'. Summer–Fall.

269-White blooms. Seed is collected from a plant that bears fragrant white flowers on 4' tall plants. Germ: NST. Produces a tuber that can be dug in fall and overwintered. My plant is hardy in a site right next to the south-facing side of the house. *Ellis*.

3448-Mixed blooms. *Agard*.

3462-Pink blooms. *Ogorek*.

Mir1400 *Mirabilis jalapa* 'Limelight'. FOUR O'CLOCK. An./TenPer. Sun. 2'. Summer.

32-Golden foliage. Germ: W, D, NST. *Plant Delights*.

200-Hot pink flowers, blooms all summer. Chartreuse foliage. *Creveling*.

543-Bright pink flowers, in sharp contrast with foliage. Germ: NST. *Leasure*.

554-Magenta blooms. Prolific bloomer with chartreuse foliage. Hardy in our garden, and self-sows to a fault. *Levine*.

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. *Bittmann*.

Mol1050 *Moluccella laevis*. BELLS OF IRELAND. An. 2–3'. Summer.

592-Lilac blooms upstaged by enlarged green calyces. Nicely structural, great bouquet/drying. Self-sows acceptably. Will transplant young but prefers not to. Deer/woodchuck let it be. Germ: NST. *Malocsay*.

Mon1400 *Monarda fistulosa*. WILD BERGAMOT, ROSE-SCENTED MONARDA. Per. Sun. 3–4 x 1–1'. Summer.

1143-Pink-lavender blooms. Perennial. Full Sun-part shade. Grows 2–4 x 2–3'. Blooms July-September. Zone 3–9. Showy, fragrant flower, good for cutting flowers. Beautiful New England native attracts pollinators. Germ: CMS: 90 d, OW, BC, NST, SIS, SR. *Berkshire Botanical Garden*.

Mor2000 *Morella pensylvanica* (syn. *Myrica pensylvanica*). NORTHERN BAYBERRY, SWAMP CANDLEBERRY. Shrub. Sun/PtShade. 5–12 x 5–12'. Spring.

239-Yellowish green male catkins, ½" long in spring. Upright rounded, suckering, semideciduous shrub with glossy, dark green, aromatic foliage and waxy gray fruit. A drought and salt tolerant plant. Germ: CMS 90 d; OW; BC; SR; 14 d. Waxy coat must be removed. (I have removed it from this seed.) *Doering*.

Mue0050 *Muehlenbeckia complexa*. WIRE VINE, MATTRESS VINE, MAIDENHAIR VINE. TenVine. Sun/PtShade. 15'. Spring.

592-I've had it for years, indoors over winter. Suddenly 2017 set seed in the fleshy white mass. Seems hardy with protection. I see it in nurseries now. Sowing may be "just to see." *Malocsay*.

Musa velutina – *Ocimum selloi*

Mus0900 *Musa velutina*. PINK VELVET BANANA. Per./TenPer. Sun/PtShade. 6 x 8'. Summer.

199-TenPer. Sun/PtShade. 6 x 8'. Summer. Velvety pink bananas the size of a small egg sit in a small bunch atop the plant and when ripe, the peels open like a flower! Not edible, but an achievement! Hardy & fruits in Raleigh, NC without protection, probably with a good mulch or next to the house in Phila area. Or small enough for houseplant. Size depends on fertility or pot size. Seeds are bee-bee size and easy. *Cresson*.

1999-Pink flowers and fruit. A fun to grow banana, lends a tropical air to plantings. Six foot tall, consistently hardy at NBG, zone 7b. 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. *Norfolk Botanical staff*.

Myo2000 *Myosotis sylvatica*.

554-Blue blooms. A staple of our spring garden. Reliably self-sows. Germ: SIS, Easily transplanted in spring. *Levine*.

Nan1050 *Nandina domestica var. leucocarpa*. Shrub. Sun. 6 x 5'. Summer.

199-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! *Cresson*.

522-Lovely yellow-berried shrub. Nice companion in the autumn to coryloids, stachyurus, and other woodland plants. Germinates easily. *Kushner*.

Nar3230 *Narcissus cyclamineus*. CYCLAMEN DAFFODIL. Bulb. Sun/PtShade. 6". Early Spring. Zone 3-8.

199-Yellow blooms. Bulb. Sun/DecShade. 6". Early spring. Obtaining this rare little Portuguese species daffodil is difficult enough. Obtaining a form which will grow in our climate is even more unlikely, so here is seed from my plant. Flowers with a straight narrow trumpet and petals sharply reflexed back. *Cresson*.

Nel1000 *Nelumbo* species. LOTUS. AquaticPer. Sun. 5-8 x 4-8'. Summer. Zone 5-10.

1114-Flower color is a surprise! Worshiped by people around the world, the sacred lotus is a true show stopper. Grower must have patience. Germ: Scfy; CMS: 30-40 d; BH; SS; NST. Scarify just before sowing. *Aquascapes Unlimited*.

Nic0600 *Nicotiana langsdorffii*. FLOWERING TOBACCO. An. Sun. 2 x 3'. Summer.

200-Limegreen flowers on 2', summer-blooming annual. *Creveling*.

797-Lime green/chartreuse flowers born in tall, graceful wands. Self-sows. Germ: BC; SIS. *Robinson*.

Nic0900 *Nicotiana mutabilis*. FLOWERING TOBACCO. An. Sun/PtShade. 5-6'. Summer.

239-Great vertical structure with lovely pink flowers. Does self-sow moderately, but actually a pleasant surprise! Germ: NST. *Doering*.

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. *Jellinek*.

2429-*Bricker*.

Nic2750 *Nicotiana sylvestris*. FLOWERING TOBACCO, GREAT WHITE TOBACCO. An. Sun/PtShade. 12 x 18"; to 5' in bloom. Summer-Fall.

200-Fragrant white blooms on 4-5' stalk. Reseeds. Germ: SIS. *Creveling*.

1020-White, long tubed, fragrant flowers. Large leaves. Self-sows. *Wiedorn*.

1313-White flowers. 5-6' tall in bloom. *Linden Hill Gardens*.

1607-Fragrant white tubular flowers top 4-5' plants. Attracts hummers and hummingbird moths. Germ: NST. *Jellinek*.

1918-White blooms. *N. sylvestris* grows 3-5' tall and has long, tubular white flowers that give off their fragrance at night. Basal foliage may spread to 3' width. It is an annual in Zone 7. Direct sow in spring. Self sows. Germ: SIS. *Carey*.

Nic2800 *Nicotiana sylvestris 'Only the Lonely'*. FLOWERING TOBACCO. An. Sun/PtShade. 12 x 18"; to 5' in bloom. Summer-Fall.

84-Tall annual with fragrant, white flowers for partial shade. *Bowditch*.

Nig1050 *Nigella damascena*. LOVE-IN-A-MIST. An. Sun. 8-12 x 8-12"; 12-18" in bloom. Summer.

1277-Blue and white flowers. Self-sows nicely. *Haas*.

Nig1350 *Nigella damascena 'Miss Jekyll'*. LOVE-IN-A-MIST. An. Sun. 8-12 x 8-12"; 12-18" in bloom. Summer.

1313-Blue flowers. 18" tall in bloom. *Linden Hill Gardens*.

Nol10450 *Nolina arenicola*.

32-Wild collected seed by Kenton J Seth. Germ: W, BC, NST. *Plant Delights*.

Nol1000 *Nolina lindheimeriana D28-03 Ingram TX*. DEVIL'S SHOESTRING. Per. Sun/PtSun. 20-36". Spring. Zone 6a-9b.

32-YuccaDo source seeds. Germ: W, BC, NST. *Plant Delights*.

Nol1300 *Nolina nelsonii*. BLUE BEARGRASS. Per. Sun. 10-15'. Summer. Zone 7-10.

32-White blooms. YuccaDo collection from Tamaulipas, Mexico. Germ: W, BC, NST. *Plant Delights*.

Not1000 *Notocactus aprieus MG huge yllw flower form*. BALL CACTUS. TenPer. Sun. Summer. Zone 9-11.

32-Yellow blooms. Hardy since 2000 in Raleigh. Germ: W, SS, NST. *Plant Delights*.

Oci1600 *Ocimum selloi*. TenPer. Sun/PtShade. 24-36 x 12-24". Summer-Fall. Zone Hardy to 9.

943-Purple blooms. Bright green leaves with many purple blooms. Can be brought inside as houseplant for the winter. Leaves may be used for cooking. Unusual flavor of basil and pepper. *Thomas*.

Oen1650 *Oenothera glazioviana* ‘Tina James’. TINA’S MAGIC EVENING PRIMROSE. Per. Sun/PtShade. 3–4’. Summer.

215-Yellow flowers. Germ: SS, SIS. Biennial. Sow in situ in summer for bloom the following year. *DeMarco*.

Oen2800 *Oenothera versicolor* ‘Sunset Boulevard’. SUNDROP, EVENING PRIMROSE. Per. Sun. 12–18”.

199-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. *Cresson*.

Oph1050 *Ophiopogon planiscapus* ‘Nigrescens’. BLACK MONDO GRASS. Per. Sun/PtShade. 6 x 15”. Summer.

1277-Haas.

Oph1200 *Ophiopogon umbraticola*. MONDO GRASS. Per. PtSun/Shade. 10”. Summer. Zone 5–8.

199-White blooms. New miniature Chinese species with tufts of very narrow foliage. Stalks of white flowers in June are followed by round cobalt blue fruit in autumn. Has been making the rounds under the erroneous name *O. Chingii*. Zone 5. *Cresson*.

Orl1000 *Orlaya grandiflora*. WHITE LACEFLOWER, MINOAN LACE. An.

592-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. *Malocsay*.

965-White blooms. Like a particularly elegant annual Queen Anne’s Lace, with larger sterile flowers and wonderfully lacey foliage. Bloomed early summer for me, then went to seed. Lovely while it lasted. *Umphrey*.

9995-White flowers. *Scott Arboretum*.

Orn0500 *Ornithogalum longibracteatum* (syn. *Ornithogalum candatum*). FALSE SEA ONION. TenBulb. Sun. 2–3’. Summer.

3006-White blooms. A fun houseplant that thrives on neglect. A bit Seussical: 3-4’ long draping leaves, an above-ground bulb, papery pale beige skin hiding bulblets that can be popped off and planted to start new plants. Older, happy plants put out a 3’ stalk that eventually yields a spike of tiny white, green-striped blooms. Can also be grown from seed but you will be receiving one of the bulblets. NOT edible. Germ: NST. Place bulblet in a small pot on top of moist, well-draining soil and let it root. *Mayer*.

Orn1000 *Ornithogalum magnum*. Bulb. Sun/PtShade. 1–3 x 1–2’. Summer. Zone 5–8.

199-Spikes of many white, star-like flowers in June. Foliage dies down in summer. Plant between perennials and alliums. *Cresson*.

Osm1100 *Osmanthus heterophyllus* ‘Goshiki’. HOLLY OLIVE. Shrub. SunPtShade. 8–10 x 7–9”. September. Zone 7–9.

522-One of the best variegated shrubs available. Evergreen with multicolored leaves—cream, pink, yellow, and white. Fragrant when in bloom with white flowers. *Kushner*.

Pac1900 *Pachyphragma macrophyllum* (syn. *Thlaspi macrophyllum*). Per. Sun/PtShade. 1–3 x 1–3’. Spring.

558-Fabulous early spring woodlander. Vigorous, clean foliage and sparkingly white, long-lasting blooms. Likes moisture, tolerates dryness. *Lewis*.

Pae0700 *Paeonia delavayi* ‘Rose Flame’. Shrub. Sun/PtSun. 3–5 x 3–4’. Spring. Zone 4–8.

3001-Deep pink blooms. Seed from ‘Rose Flame’ a lutea hybrid tree peonia. Blossoms are semi to full double, plant to 5 x 5’. *Gregg*.

Pae1550 *Paeonia japonica*. Per. Sun/PtShade/Shade. 18”. Spring.

558-White flowers on early, 1’ woodland peony with striking fuchsia fall seedpods. Original plant from Barry Yinger at HPS sale. Germ: Sow outside to fill double dormancy requirement. May take 2 yr to germinate above ground. *Lewis*.

Pae2000 *Paeonia lutea* (syn. *Paeonia lutea* var. *ludlowii*). TREE PEONY. Shrub. 4–6 x 3–4’. Late Spring–Early Summer. Zone 6a–9b.

3001-Open, upright, medium sized woody Paeonia, grown as much for its deeply cut foliage as for its 3” solid yellow blossoms. Slow growth. Warm moist stratification for root development (2-4”), then cool/cold for top growth. Seeds can be sown 3-4” deep in the garden in fall or early winter for germination. Seed a gift from Roger Dinsdale, UK. *Gregg*.

Pae3600 *Paeonia obovata*. Per. Sun/PtShade. 2–3 x 2–3’. Late Spring.

65-Pink or white flowers. *Berger*.

200-Pink, single flowers. Gorgeous seedpods, can be slow to germinate. Germ: CMS. *Creveling*.

558-Deep pink, single flowers. Vigorous woodland peony. Taller and later than *P. japonica*. Beautiful seed heads in August through October and sometimes great fall foliage. Germ: Cycle; May take two warm/cold cycles to germinate or sow outdoors. NST, SR. *Lewis*.

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. *Perron*.

Pae5050 *Paeonia x suffruticosa* ‘Gosho Zakuru’. TREE PEONY. Shrub. Sun/PtShade. 4–5 x 4–5’. Late Spring.

3001-Pale to dark pink blooms. Seed from ‘Gosho Zakuru’, a Japanese introduction from the early 19th century. Blossoms open to semi to near full double. Very pretty. *Gregg*.

Pae6000 *Paeonia x suffruticosa* ‘Stolen Heaven’. TREE PEONY. Shrub. Sun/PtShade. 4–5 x 4–5’. Late Spring.

3001-Semi double white blooms. Seed is from *P. ‘Stolen Heaven’*, a small, compact tree peonia, to 3 x 3’. *Gregg*.

Pan0610 *Panicum virgatum* ‘Dallas Blues’. BLUE SWITCHGRASS. PerGrass. Sun. 3–4’. Summer.

2937-A large grass with bluish foliage and pinkish blooms. Low germination rate, but the ones which do sprout also have a nice bluish color. *Bittmann*.

Papaver atlanticum – *Persea podadenia*

Pap0350 *Papaver atlanticum*. MOROCCAN POPPY. Per. Sun. 8–12 x 12"; to 2' in bloom. Summer.

84-Pale orange flowers. Soft blue-green attractive foliage and long bloom season. *Bowditch*.

446-*Humphrey*.

592-Light orange blooms. Nice persistent rosette. Keeps blooming in spurts. Germ: SIS. Self-sows occasionally, despite competition. *Malocsay*.

627-Germ: NST. *McShane*.

Pap2270 *Papaver rhoeas* (orange). CORN POPPY, FLANDERS POPPY. An. Sun. 12–18 x 12–15". Spring–Summer.

199-Terracotta orange-red flowers. Self-sowing annual for June bloom in the cottage garden. *Cresson*.

Pap2320 *Papaver rhoeas* (red, burgundy). CORN POPPY, FLANDERS POPPY. An. Sun. 12–18 x 12–15". Summer.

592-Very rich red, scarlet blooms. Germ: SIS. Self-sowing annual, happy anywhere. *Malocsay*.

Pap3250 *Papaver somniferum* (coral, double). CARNATION POPPY. An. Sun. 4 x 1'. Summer.

318-Deep-coral, double flowers. Germ: L; SS; SIS; Rtp. *Garnett*.

965-Salmon pink blooms. This form had a double anemone center. Very flouncy and pretty. Germ: C, S, SIS. *Umphrey*.

Pap3270 *Papaver somniferum* (coral, single). OPIUM POPPY. An. Sun. 4 x 1'. Summer.

318-Germ: SS; SIS. *Garnett*.

Pap3450 *Papaver somniferum* 'Lauren's Grape'. CARNATION POPPY, OPIUM POPPY. An. Sun. 2–4 x 1'. Summer.

84-Grape-purple flowers. Attractive foliage with dynamite purple flower and glaucous foliage. Comes true from seed. Germ: Sow outdoors spring or fall. *Bowditch*.

554-Purple flowers. Germ: NST; SIS. *Levine*.

797-Various, pale purple flowers. Germ: BC; SIS early spring. *Robinson*.

1313-Deep purple flowers. *Linden Hill Gardens*.

Pap3650 *Papaver somniferum* (pink, double). OPIUM POPPY. An. Sun. 4 x 1'. Summer.

84-Pink blooms. Attractive, double pink flowers on this annual poppy Germ: C, NST, SIS. *Bowditch*.

592-Fully double pink blooms. Striking. Germ: Rtp. SIS ASAP for bloom in June, self-sowing thereafter. *Malocsay*.

Par1650 *Paradisica lusitanicum*. PerBulb. Sun.

199-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. *Cresson*.

Par1850 *Parsenecio delphiniifolius* 'Sanshoku'. Per. Shade/PtShade. 2'–4'. August. Zone 4–9.

2137-White blooms. This variegated Japanese selection used to be in the genus *Cacalia* and has been recently placed in *Parasenecio* by the botanical powers that be. Broad foliage irregularly and finely streaked and spattered in cream like a monochromatic misting by Jackson Pollock on a green canvas. This will get to up to 30" with upright stems clad in this conversational foliage. Shade. Germ: W, SS, 90 d. *Boylan*.

Pel2000 *Peltoboykinia tellimoides*. YAWATA-SO. Per. PtShade/Shade. 2–3'. Late Spring. Zone 6b–9a.

2137-Creamy white blooms. Unusual foliage plant with very ornate deeply toothed leaves, especially in early spring. An excellent plant for shade. Small sprays of green/yellow flowers in summer. 1½' tall. Germ: Cycle: refrigerate for 3 mo, then 68°F for 3 mo, L. *Boylan*.

Pel2050 *Peltoboykinia watanabei*. Per. PtShade/Shade. 18 x 18". Late Spring.

199-Yellow blooms. Japanese woodland plant with greenish-yellow flowers in summer. *Cresson*.

Pen3000 *Penstemon digitalis*. FOXGLOVE, BEARD TONGUE. Per. Sun/PtShade. 4 x 1½'. Summer.

2937-Pale pink blooms. Seed are collected off 'Dark Towers', a pink-flowering hybrid with dark purple foliage. Hopefully some of the seedlings will share their parent's good looks. *Bittmann*.

Pen3050 *Penstemon digitalis* 'Husker Red'. FOXGLOVE, BEARD TONGUE. Per. Sun/PtShade. 4 x 1'. Summer.

2515-White bloom. Nice burgundy foliage. *Doblmaier*.

Pen3750 *Penstemon grandiflorus*. LARGE BEARD TONGUE. Per. Sun. 3½' x 10". Summer.

446-Germ: CMS 6-8wk. Germinated in 10d after shift from 40°F to 60°F. *Humphrey*.

Pen4800 *Penstemon murrayanus*. SCARLET BEARD TONGUE. Per. Sun. 8 x 12"; to 3' in bloom.

446-*Humphrey*.

Pen5180 *Penstemon pseudospectabilis*. ROSY DESERT BEARD TONGUE, CANYON PENSTEMON. Per. Sun. 2–3'. Spring.

446-*Humphrey*.

Pen5300 *Penstemon smallii*. SMALL'S BEARD TONGUE. Per. Sun/PtShade. 6 x 6"; to 1' in bloom. Spring–Summer. Zone 6–8.

1939-Lavender blooms with outside white. *Urffer*.

2515-Lovely, purple flowers most of the summer if you deadhead. Germ: NST. *Doblmaier*.

9985-Dark pink blooms. Blooms up to 4 wk in spring. Native to Southeastern US. Germ: CMS: 30 d, BC, SR. Can winter sow. *Jenkins Arboretum*.

Per0040 *Perilla frutescens*.

3006B-White/pale pink blooms. Makes a nice fragrant hedge to 3 x 3'. Full sun/part shade. Edible. *Mayer*.

Per1500 *Persea borbonia* (syn. *Persea littoralis*, *Tamala borbonia*, *Tamala littoralis*). 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. *Silberstein*.

Per2000 *Persea podadenia*. MEXICAN REDBAY, AMOLILLO, CHIHUANA CARA. Shrub/Tree. 25'.

3436-Inconspicuous blooms. Similar to *Persea palustris*, except no bay leaf scent. Native to Mexico. 7a at least. Germ: CMS, BH, 40 d. May not need cold stratification. *Silberstein*.

Per2550 *Persicaria bistorta* ‘Superba’. BISTORT. Per. PtSun. 24–36 x 18–24”. Spring. Zone 3–7.

199-Pink blooms. Per. Pt.Sun/PtShade. 18 x 24”. Spring. From a groundcover of basal heart-shaped 8” leaves rise 12-18” spikes of pink flowers in May-June. Intermittent bloom may continue in cooler climates with adequate moisture. Best in evenly moist soils, otherwise, semi-dormant in summer. I have tall late asters and daylilies inter-planted with it. *Cresson*.

Per2650 *Persicaria orientalis* ‘Shiro-gane Nishiki’. PRINCE’S FEATHER. An. Sun. 6–7 x 2–3’. Summer–Fall.

199-Pink flowers. Large, heart-shaped leaves splashed with cream. Lush growth in rich soil with plenty of water. Self-sows year to year. *Cresson*.

Per3250 *Persicaria virginiana* ‘Painter’s Palette’ (syn. *Polygonum virginiana* ‘Painter’s Palette’). JUMPSEED. Per. Sun. 2–3+ x 2–4’. Late Summer–Fall.

269-Tiny, almost insignificant red flowers in fall, but this plant is grown for its handsome green leaves splashed with cream and maroon. Comes true from seed. Germ: CMS: 40 d, OW, SIS. *Ellis*.

3436-Red-pink blooms. Heavily variegated leaves and thin spikes of flowers in late summer. Thrives in moist shade. Germ: SIS, 30 d. Seeds around. *Silberstein*.

Pha0200 *Phacelia bipinnatifida*. FERNLEAF PHACELIA. Bien. PtShade/Shade.

2429-Easy biennial with purple blooms in May. Self-sows nicely. *Bricker*.

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. *Maher*.

Pha0550 *Phaseolus coccineus* ‘Painted Lady’. An. Vine. Sun. 6–8+ x 1½’. Summer–Fall.

200-Red and white flowers. A bicolor scarlet runner bean. Germ: NST. *Creveling*.

Phl0060 *Phlomis* ‘Edward Bowles’. HYBRID JERUSALEM SAGE. Per/Shrub. Sun. 3 x 3’. Summer. Zone 7b–10b.

199-Yellow blooms. Per/Shrub. Sun. 3 x 3’. Summer. Felty grey green foliage. Hybrid of *P. fruticosa* x *P. russeliana* named for famed English gardener E. A. Bowles. Combines the shrubby habit with larger leaves and flower spikes. Root hardy here for foliage only, or grow in a pot and move into cool garage for winter for a blooming summer shrub. Likes heat, sun and drought. Seedlings may gravitate toward either parent. *Cresson*.

Phl0200 *Phlomis tuberosa*. Per. Sun/PtSun. 1 x 1½; 3–5’ in bloom. Summer.

199-Purplish pink flowers. Summer bloom on tall spikes to 6’ above large basal leaves. Drought tolerant. *Cresson*.

Phl2040 *Phlox paniculata*. Per.

446-Pink, mauve, lavender, white flowers. Mixed cvs. Germ: Germinates well at low temperatures, probably best in a cold frame or outdoor bed. *Humphrey*.

2937-Seeds collected from a range of purple and red (dark-colored) hybrids, will probably give a nice range of white, pink, and purple, mildew resistant plants. *Bittmann*.

Phy1000 *Physostegia virginiana* ‘Miss Manners’. OBEDIENT PLANT. Per. Sun. 2–2½ x 2–2½’. Summer. Zone 3–9.

2515-Purple blooms. Native, gently spreading perennial that gives my borders late August/September color. Germ: NST. *Doblmaier*.

Phy1250 *Phytolacca americana*. POKEWEED. Per. Sun. 10 x 3’. Late Spring–Midsummer.

3006-White blooms. Grow for statuesque quality 6 x 8”, purple-red stems, purple fall berries and reddish fall foliage. This American native is appreciated in Europe but here, not so much! Germ: Sow 55–64°F early spring or autumn. *Mayer*.

Phy1400 *Phytolacca americana* ‘Sunny Side Up’. POKEWEED. Per. Sun/PtShade. 4–6’. Late Spring–Midsummer.

3006-Interesting cultivar with lovely chartreuse leaves in spring, becoming more mottled and darker green in summer (in shade.) Spectacular paired with *Paeonia* ‘Bowl of Beauty’. Native. Germ: OW; SIS. Very large plant suited to a wild border or larger areas. Tolerates heavy pruning. Seeds from HPS 2014 via Wave Hill. *Mayer*.

Pil1000 *Pilosella officinarum*. MOUSE-EAR HAWKWEED. Per. Sun/PtSun. 8–12’ tall. Early Summer. Zone 6–9.

199-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. *Cresson*.

Pla2000 *Platycodon grandiflorus* (syn. *Campanula glauca*). BALLOON FLOWER. Per. Sun/PtShade. 2–3’ x 12–15”. Summer.

318-Blue flowers. *Garnett*.

Pla4000 *Platycrater arguta*. Shrub. PtShade/Shade. 3 x 3’. Early Summer–Early Fall.

3001-White flowers on hydrangea relative. Blooms early summer to September. Nice in the woodland garden. Germ: W; L. *Gregg*.

Pol0250 *Polanisia dodecandra*. DWARF CLEOME. An. Sun. 2 x 1½’. Summer–Fall.

797-White flowers. Germ: BC; SIS. *Robinson*.

Pol2730 *Polygonatum biflorum* var. *commutatum*. GIANT SOLOMON’S SEAL. Per. PtShade/Shade. 4–6 x 2’. Spring/Summer.

199-White flowers. Whatever the correct name, this is the huge tetraploid form, taller with more flowers. Tall arching habit. Tolerant of dry shade but likes rich soil. *Cresson*.

***** *Poncirus trifoliata*. See: *Citrus trifoliata*.

Pon1000 *Pontederia cordata*. PICKEREL WEED. Per. Sun/PtSun. 2–3’. Summer. Zone 3–10.

199-Blue blooms. Per. Sun/PtSun. 2-3’. Summer. A plant to grow in the water at the pond’s edge. Spikes of purple-blue flowers all summer long. Perfect counterpoint to waterlilies. *Cresson*.

Pot2010 *Potentilla rupestris*. CINQUEFOIL. Per. Sun. 15 x 15”. Spring.

199-White flowers. Floriferous. Seeds generously, so deadhead plants some. Easy, reliable, and attractive in perennial border or rock garden. The perfect cottage garden plant, as it mingles with its companions. *Cresson*.

Pot2450 *Potentilla thurberi*. CINQUEFOIL. Per. Sun/PtShade. 1½ x 1'. Spring/Summer.

199-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. *Cresson*.

592-Rich red blooms. Adaptable, quiet, small blooms, but people notice. Germ: NST *Malocsay*.

2515-Red flowers. Each flower bud may be small on this plant, but having a few open makes quite a statement. Long bloom time for a drier location. Germ: W, NST. *Doblmaier*.

Pri2000 *Primula japonica*. JAPANESE PRIMROSE, FAIRY PRIMROSE. Per. PtShade. 12–15 x 15–18"; to 18–24" in bloom. Spring.

2429-Pink-flowered form. *Bricker*.

Pri2270 *Primula japonica* (peppermint striped). JAPANESE PRIMROSE. Per. Sun/PtShade. 2 x 1'. Spring.

199-This is the easiest candelabra primrose to grow in the mid-Atlantic. This is a mix of pure white flowers and pink and white peppermint striped flowers, blooming the whole month of May. *Cresson*.

Pri2450 *Primula japonica* 'Postford White'. JAPANESE PRIMROSE. Per. PtShade. 1½ x 1½'. Spring.

558-White flowers in early summer. 2' candelabra primrose. Very sturdy, long (6-8 wk) bloom, self seeds true. Likes moisture but doesn't need a lot. Tolerates PtShade. *Lewis*.

Pun1000 *Punica granatum* 'Hardy Russian'. POMEGRANATE. Shrub. Sun. 6–15'. Late Summer.

199-Orange blooms. Yes, it is true, a winter hardy pomegranate that will bear edible, tasty fruit in the Delaware Valley that ripens October-November. The bright orange flowers in early to late summer and yellow fall color might be enough for some. One of several hardier forms from the region of southern Russia. *Cresson*.

Rab1000 *Rabdosia longituba*. Per. Sun/PtSun. 5 x 2'; to 6' in bloom. Fall.

199-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. *Cresson*.

Ran1050 *Ranunculus gramineus*. GRASSY-LEAVED BUTTERCUP. Per. Sun/PtSun. 12". Spring. Zone 5–9.

199-Yellow blooms. Per. Sun/PtSun. 12". Spring. Named for its narrow leaves on a plant that goes summer dormant, so drought is no problem. Perfect for a rock garden with good drainage. Adaptable and easy to grow. Mediterranean native. *Cresson*.

Rha0500 *Rhapidophyllum hystrix*. NEEDLE PALM, BLUE PALMETTO. Palm. Sun/PtShade. 5 x 5'. Summer.

199-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. *Cresson*.

Rho1860 *Rhododendron canescens*. PIEDMONT OR FLORIDA PINXTER AZALEA. Shrub. Sun/PtShade. 4–5'. Spring. Zone 5–9.

3001-Fragrant pink/white, early spring-flowering native to SE US and parts of the mid-Atlantic. 6-12'. Multi-stemmed, drought tolerant. The plant can be stoloniferous in the right soil. Can grow in full sun to nearly full shade, though bushier with more sun. Germ: L, W. *Gregg*.

Ric1160 *Ricinus communis* 'Carmencita'. CASTOR BEAN. An. Sun. 5–6+ x 5'. Summer.

3006-Cream and maroon blooms. Bronze new leaf turns to reddish-green with age. Start early indoors. Can be treated as a 'perennial bonsai' indoors. I stumbled on the bonsai capability of this plant because I had seedlings that never got planted out and I could not bear to compost them so, onto my plant table in the dining room they went—they stayed 6" tall all winter and when I put one in a large pot outdoors in early summer it only grew a little (18-20" tall). They seem to grow according to the amount of space the roots are given. The leaves stay much smaller and the seedpods are slightly smaller. The 6" plants had tiny leaves all winter—less than 2"—amazing! *Mayer*.

Ric1230 *Ricinus communis* 'Carmencita Red'. CASTOR BEAN. TenPer. Sun. 6–9'. Summer.

590-Red blooms. Seed from 2015-16 Seed Exchange. *Mahony*.

Ric1500 *Ricinus communis* 'New Zealand Purple'. PURPLE CASTOR BEAN. Shrub. Sun. 6–10'. Late Summer/Early Fall. Zone 8a–11.

1143-Red bloom. *Berkshire Botanical Garden*.

2515-Red blooms. Have propagated the seed of this plant for a long time. Bought the original seed online about 10 yr ago. Love this plant for a taller accent in containers. All parts of the plant are poisonous. *Doblmaier*.

Rod1040 *Rodgersia pinnata* 'Superba'. Per. PtShade. 1 x 1½; to 2'. Summer.

199-Pink flowers. Reddish foliage, especially when young. Darker than many I've seen. *Cresson*.

Ros3250 *Rosa* 'Geranium' (moyesii hybrid) (syn. *Rosa moyesii* 'Geranium'). Woody. Sun. 12 x 10'. Summer.

199-Red flowers. Highly valued for large, bottle-shaped, waxy, red hips in fall. Masses of single red flowers early June. Large fountain-shaped shrub. Grow with a native clematis for summer. *Cresson*.

Ros3500 *Rosa glauca* (syn. *R. rubrifolia*). BLUE LEAF ROSE. Shrub. Sun. 6 x 5'. Spring.

215-Magenta blooms. Valued for its beautiful blue green leaves. Blooms once in spring. Germ: Cycle: Self Sows, SIS, SR. *DeMarco*.

1277-Single, pink flowers with white centers producing large orange hips on 6' shrub. Germ: CMS: 90 d. *Haas*.

Ros5300 *Rosa roxburghii*. CHESTNUT ROSE. Shrub, 6–8 x 6–8'. Zone 6–9.

926-Pink double flowers becoming very ornamental, bright yellow, prickly hips. Germ: CMS: 3-5 mo. Do not let seed dry out. *Streeter*.

Rud1560 *Rudbeckia fulgida* var. *deamii*. BLACK-EYED SUSAN. Per. Sun/PtShade. 3 x 2'. Summer.

199-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. *Cresson*.

Rud2700 *Rudbeckia hirta*. GLORIOSA DAISIES. Bien./Per. Sun. 3 x 3'. Summer-Fall.

3540-Yellow blooms. Germ: CMS: 30 d, SR. *Rifici*.

Rud2900 *Rudbeckia hirta* 'Indian Summer'. INDIAN SUMMER CONEFLOWER. An./Bien. Sun. 2-3'. Summer-Fall.

1277-Yellow/gold flowers with brown centers. Self-seeds, not invasively at my house. Germ: NST. *Haas*.

Rud3500 *Rudbeckia laciniata*. CONEFLOWER. Per. Sun. 2 x 2'; from 4-6' in bloom. Summer-Fall.

3006-Yellow blooms. Very tall, lax and lanky native busy with pollinators when in summer bloom. Can develop very vigorous root systems over time so plan accordingly. Germ: Tolerates half-shade well. *Mayer*.

Rud4050 *Rudbeckia maxima*. GIANT CONEFLOWER. Per. Sun/PtShade. 6 x 2'. Summer.

45-Yellow blooms on a sunflower with a rosette of blue/green leaves. Dramatic. Flowers in summer. Likes dry feet. Germ: NST. *Bartlett*.

215-Yellow blooms. Can be 9' tall. Germ: Scfy, W, L, SR. *DeMarco*.

554-Yellow blooms. Germ: SIS. *Levine*.

1313-Linden Hill Gardens.

Rud5100 *Rudbeckia triloba*. BLACK-EYED SUSAN, BROWN-EYED SUSAN. Bien./Per. Sun/PtShade. 5 x 3'. Summer-Fall.

522-Yellow blooms on this 3-5' plant are daintier than its relatives. Very floriferous. Good companion to autumn asters. *Kushner*.

1020-Yellow with black centers. Blooms mid-August to frost. Self-sows. *Wiedorn*.

1277-Gold flowers with black centers. Many small flowers in late summer. Self-sows a little here. Germ: NST. *Haas*.

Rud5200 *Rudbeckia triloba* 'Prairie Glow'. BROWN-EYED SUSAN. Per. Sun. 3½ x 1'.

199-Yellow/orange blooms. Per. Sun/PtSun. 48 x 18". Summer. Differs from the species in having burnt orange centered flowers. Blooms most of summer. This short-lived perennial provides plenty of seedlings. *Cresson*.

965-Gold with red blooms. A nice variant of the very useful native biennial *Rudbeckia triloba*. The two-toned flowers are attractive, and the plants I grew did not seem as vigorous as the straight species. Do not yet know whether it will self sow with the same enthusiasm. *Umphrey*.

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. *Bittmann*.

Rue1040 *Ruellia humilis*. WILD PETUNIA. Per. Sun/PtShade. 1 x 1'. Summer.

1277-Blue-violet flowers. Perennial. Think this might be *R. humilis* or *R. caroliniensis*, but not sure. Mine only got to 1'. Nice plant. *Haas*.

1865-White blooms. Germ: W. Treated seeds with GA-3 before sowing at 70°F. *Bennett*.

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. *Silberstein*.

Sab0580 *Sabal minor* 'McCurtain'. DWARF PALMETTO, BLUESTEM PALMETTO, BLUE PALM. Palm. Sun/PtShade. 4-6 x 4-6'. Spring-Summer. Zone 6-7.

199-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. *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. *Silberstein*.

Sab1100 *Sabatia kennedyana*. PLYMOUTH ROSE GENTIAN. Per. Sun/PtSun. 30". Zone 7b.

1114-Bright pink w/white center. Very attractive, fragrant composite flower, blooming in late May to July. Excellent companion for carnivorous plant gardens. Germ: CMS: 30-40 d; BH; SS; SR; 20-30 d. *Aquascapes Unlimited*.

Sal0200 *Salvia* 'Amistad'. AMISTAD PURPLE SALVIA. TenPer. Sun. 3-4'. Zone 8a-10b.

200-Purple 'Black and Blue' prolific bloomer. Flowers all season. *Creveling*.

522-Royal purple flowers with black calyces. An outstanding new salvia. Stately at 4-5', blooms for months. *Kushner*.

Sal0500 *Salvia arizonica*. ARIZONA SAGE. Per. Sun/PtSun. 18 x 24". Summer. Zone 6-9.

2515-Native, blue salvia for a partial shade area of the garden. Germ: NST. *Doblmaier*.

Salvia azurea – *Salvia splendens*

- Sal0600** *Salvia azurea*. BLUE SAGE, PRAIRIE SAGE. Per. Sun. 3 x 2'. Summer.
2515-Lovely light blue salvia. Drought tolerant. Native to central US. Bee magnet for me this year. *Doblmaier*.
- Sal1000** *Salvia coccinea*. TEXAS SAGE. An. 1–3 x 2'.
446-Red flowers. Our hummingbird's favorite flower. Nonstop blooms from summer to frost. Germ: NST; W, 7d. *Humphrey*.
- Sal1100** *Salvia coccinea* 'Brenthurst'. An. Sun. 20–30 x 12". Summer–Fall.
318-Garnett.
522-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*.
- Sal1150** *Salvia coccinea* 'Coral Nymph'. CORAL NYMPH TROPICAL SAGE. An. Sun. 3–4 x 1–2'. Summer–Fall.
549-Delicate sprays of pinkish coral and white flowers. Long bloom time with deadheading. Germ: Easy; scatter seeds. Reseeds. *Leiner*.
- Sal1250** *Salvia coccinea* 'Lady in Red'. SALVIA. An. Sun/PtSun. 3–4 x 2'. Summer–Fall.
200-Red blooms all summer. Hummingbirds love it. Germ: NST. *Creveling*.
549-Red blooms all summer and fall, with deadheading. Reseeds. Hummers love it. Germ: NST. *Leiner*.
- Sal1450** *Salvia* 'Ember's Wish'. TenPer. Sun/PtShade. 3–4 x 3'. Spring/Summer/Fall. Zone 9b–10.
200-Coral flowers. Attracts butterflies and hummingbirds. *Creveling*.
- Sal1750** *Salvia forskaohlei*. Per. Sun/PtShade. 1½ x 1½'. Summer.
2937-Violet-blue blooms. An easy to grow salvia which seems to enjoy some shade. Large basal leaves clump about 2' wide, flower stalks rise 2-3' and then flower throughout the summer. *Bittmann*.
- Sal1760** *Salvia glabrescens*. Per. PtShade. 2 x 3'. Fall. Zone 5a–7b.
199-Pink/purple blooms. Per. PtShade. 2 x 3'. Fall. Pink or purple flowers bicolored with white. *Cresson*.
- Sal2350** *Salvia guaranitica*. ANISE-SCENTED SAGE. An./TenPer. Sun/PtShade. 5 x 2'. Summer–Fall.
199-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. *Cresson*.
318-Deep, strong, true blue flowers. *Garnett*.
522-Brilliant, true-blue flowers. Blooms for months. *Kushner*.
- Sal2360** *Salvia guaranitica* 'Argentina Skies'. ARGENTINA SKIES ANISE SAGE. Per. Sun/PtShade. 4–6'. Zone 6a–10b.
200-Light blue flowers. 3-4', blooms all season. Tender? perennial, maybe hardy to Zone 6. *Creveling*.
- Sal2380** *Salvia guaranitica* 'Black and Blue'. ANISE-SCENTED SAGE. An./TenPer. Sun/PtShade. 2–5 x 2'. Summer–frost. Zone 8–10.
200-Deep blue blooms. *Creveling*.
- Sal2900** *Salvia leptophylla*. Summer–Fall.
2515-Beautiful blue flowers on this graceful salvia. *Amsonia hubrichtii*-like foliage. The flowers last for a few months. Seed germinates quite easily. *Doblmaier*.
- Sal3290** *Salvia* 'Madeline'. MEADOW SAGE. Per. Sun/PtSun. 24". Summer. Zone 5a–8b.
2515-Bicolor purple/white flowers are delightful in late spring for about a mo. Loves dry conditions in my garden. Germ: NST. *Doblmaier*.
- Sal3450** *Salvia oxyphora*. FUZZY BOLIVIAN SAGE. TenPer. Sun/PtSun. 3–4'. Zone 8a–10b.
200-Hot pink flowers. Shiny foliage. Attracts bees, butterflies, and hummingbirds. Germ: *Salvia* database says this species doesn't make seed, but mine definitely has them. *Creveling*.
- Sal3600** *Salvia roemeriana*. Per. Sun/PtSun. 18 x 24". Late Spring.
2515-Red flowers. Bloomed from June to frost. Small plants made a bold statement in the front of the border. Likes a drier soil. *Doblmaier*.
- Sal3850** *Salvia patens* 'Blue Angel'. BLUE ANGEL GENTIAN SAGE. Per. Sun. 24–28". Mid–Summer to frost.
1277-Ultramarine blue flowers. Park's, where I purchased this seed, lists it as Zone 8. I have grown it now for 3-4 years in a protected spot by my polyhouse, and I am zone 6A! Try it. Germ: BH. *Haas*.
- Sal3870** *Salvia patens* 'Patio Sky Blue'. Sun.
84-Pale true blue blooms on a low (12") tender perennial. Excellent in containers. *Bowditch*.
- Sal4050** *Salvia penstemonoides*. GIANT RED TEXAS SAGE. Per. Sun/PtShade. 3–5' x 12". Summer–Fall. Zone 6a–9b.
2515-Light purple blooms. Native wildflower. Germ: NST. *Doblmaier*.
- Sal4400** *Salvia sclarea*. CLARY SAGE, TRUE CLARY SAGE. Per. Sun. 6 x 12"; from 2–3' in bloom. Summer.
2429-Biennial with blue flowers in early summer. A strong vertical element with scented foliage. Cut back after bloom to limit reseeding. *Bricker*.
- Sal4885** *Salvia splendens* 'Lighthouse Purple'. TenPer. Sun/PtShade. 36–48 x 24–36". Summer–Fall.
522-Intense purple blooms on long-blooming, long-lasting, mid-border plant. Blooms June-October. 24-30". Source: Summer Hill Seeds. Germ: D. *Kushner*.
- Sal4890** *Salvia splendens* 'Louie's Orange Delight'. TenPer. Sun/PtShade. 18–24 x 18–24". Summer–Fall.
199-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. *Cresson*.
- Sal4910** *Salvia splendens* 'Peach'. An. PtShade. 3–4 x 3'. Summer–Fall.
199-Upright bushy plant habit. Spikes of peachy pink flowers with orange calyxes. I grow it with *Rosa 'Mutabilis'*. Blooms all summer outdoors and winter indoors, 2-3' tall. *Cresson*.

Sal4910 *Salvia splendens* ‘Peach’. (Continued)

965-Peach form. Late bloomer in luscious shade of soft shrimp pink. Not your typical red salvia. Three foot plants bloom in fall with loose spires of peach flowers. Shade. Gorgeous. Wouldn’t be without it. *Umphrey*.

Sal5150 *Salvia tiliifolia*. An. Sun. 36–48 x 24–36”. Late Summer–Early Fall.

2515-Purplish blue blooms. Lovely salvia that blooms all summer long with deadheading. I’ve tried this plant in containers and in garden beds and it does much better in the ground. The original seed was from the 2013-14 HPS Seed Exchange. Germ: W, NST. *Doblmaier*.

Sal5200 *Salvia transylvanica*. PURPLE SAGE. Per. Sun/PtShade. 3 x 2’. Summer.

2515-Light purple flowers on a strong stemmed salvia. Beautiful combined with yellow flowers like *Asclepias* ‘Hello Yellow’. Germ: NST. *Doblmaier*.

Sal5300 *Salvia uliginosa*. BOG SAGE. An./TenPer. Sun. 4–6 x 3’. Late Summer–Fall. Zone 6a–10b.

200-Blue blooms. *Creveling*.

San0100 *Sanguisorba armena*. Per. Sun/PtShade. 3–4’. Late Spring/Early Summer.

199-White blooms. Large glaucous 3’ foliage resembles *Melianthus major*. Nodding, white, bottle-brush flower spikes in early summer. Probably best with part sun and moist soil. Turkish native. *Cresson*.

San0600 *Sanguisorba canadensis*. CANADIAN BURNET. Per. Sun/PtShade. 6 x 3’. Summer–Fall.

199-Useful for late bloom, sort of like late cimicifugas. Prefers moist soil. *Cresson*.

San0750 *Sanguisorba hakusanensis*. Per. Sun/PtShade. 18–24”. Summer.

199-Pink blooms. Rare Japanese perennial with gray-green leaves and pink bottlebrush flowers in July-August. *Cresson*.

San1200 *Sanguisorba officinalis*. GREAT BURNET. Per. Sun. 2½ x 2–3’. Late Spring–Early Summer. Zone 4–8.

590-Deep red, bottlebrush or catkin-like blooms. 3-4 x 2-2½’. *Mahony*.

San1400 *Sanguisorba obtusa*. JAPANESE BURNET. Per. Sun/PtShade. 2½ x 2’. Summer–Fall.

199-Spikes of pink bottlebrush blooms July to Sept. Enjoys rich organic soil. Similar to *S. hakusanensis*, but later bloom. Japan. *Cresson*.

San1800 *Sanguisorba species*. Per. Sun/PtShade.

1865-Maroon flowers. Pinnate leaves, cylindrical flowers on 3-4’ stems, from late summer into fall. Yellow fall color. Possibly *Sanguisorba tenuifolia*. Self-seeds. Germ: W; L. *Bennett*.

San1850 *Sanguisorba tenuifolia* ‘Purpurea’. Per. Sun/PtShade. 4–6 x 1½’. Fall.

199-Small, deep maroon bottlebrushes atop tall branched stems are a great companion to late perennials. *Cresson*.

Sar0500 *Sarcococca confusa*. SWEETBOX. Shrub. 3–5 x 3–5’. Winter.

522-White. Handsome evergreen shrub deserving of more attention. Like all sweetbox, noted for its fragrant blossoms. Germ: C; 1-4wk. *Kushner*.

Sar1400 *Sarcococca orientalis*. WINTER BOX. Shrub. 4’.

199-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. *Cresson*.

Sar1450 *Sarracenia flava*. YELLOW PITCHER PLANT. Per. Sun. 1½–3’.

1114-Red flowers. Cold hardy to zone 5. Produces tall wide-mouthed tubes from April to June and Sept to Oct, with large, fragrant flowers in April/May. Water with rainwater only. Full sun. Constant moisture. Germ: CMS: 30-40 d; BH SS; SR; 20-30 d. *Aquascapes Unlimited*.

Sar1650 *Sarracenia purpurea subsp. purpurea*. COMMON PITCHER PLANT. Per. Sun/PtShade. 6–12 x 6–9”. Summer. Zone 4–9.

1114-Deep red flowers. The Mid-Atlantic’s only native pitcher plant. Cold hardy to zone 5, can be found growing in glacial bogs in North and Western PA and in the pine barrens of NJ, MD, and NY. Water with rainwater only, full sun, constant moisture. Germ: CMS: 30-40 d; BH; SS; 20-30 d. *Aquascapes Unlimited*.

Sar2010 *Saruma henryi*. UPRIGHT WILD GINGER. Per. PtShade/Shade. 12–18 x 15–18”. May–June. Zone 4–8.

84-Clear light yellow blooms. Asian perennial for partial shade blooms in May and June. Attractive heart-shaped leaves add interest. Seeds around a bit, but not excessively. Germ: C, NST. *Bowditch*.

199-Yellow flowers. Charming shade plant with heart-shaped leaves. Flowers at least 2 months in spring, or longer in cool weather. Sows itself into interesting places without becoming weedy. *Cresson*.

Sau1050 *Sauromatum venosum*. VODOO LILY. TenBulb. PtShade. 1½’. Spring/Summer.

3001-A tropical looking aroid, not a lily. Zone 5b-6, mature plants can grow to 4’. At 3-4 yr, produces a spathe pollinated by flies, followed by a globe shaped, deep purple seed head. The single hand-shaped leaf can be 2’ across. Stem is speckled. It’s a late riser, not normally visible until well into June, so remember where you put it. Germ: Soak: 24 d, W. *Gregg*.

Sca1000 *Scabiosa atropurpurea*. PINCUSHION FLOWER. An. 592-Scabious red purple blooms with pink anthers. Great bouquets, pincushion color contrast striking up close. Second sowing compensates for ranginess. Deer/woodchuck leave it alone. Germ: NST. *Malocsay*.

Sca1650 *Scabiosa lucida*. SCABIOUS. Per. Sun. 10 x 10”; to 12” in bloom. Summer.

118-In late spring, light blue, dense heads are surrounded by bristly, involucre bracts. Deep green, pinnatifid foliage forms a basal rosette. Perennial to 15”. Self-sows. Well-drained soil. Sun. Germ: CMS: 42 d, BC. *Stonecrop Gardens*.

Sci1010 *Scilla autumnalis*. AUTUMN SCILLA. Bulb. Sun/PtShade. 2”; to 12” in bloom. Summer–Fall.

45-Pink/purple blooms. A pleasant novelty for the late summer. A squill to 1’. Sun to light shade. Germ: NST. 90 d. *Bartlett*.

Scilla autumnalis – *Silene armeria*

Sci1010 *Scilla autumnalis*. (Continued)

118-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. *Stonecrop Gardens*.

3321-Pink-purple blooms. Great late season color. *Perron*.

Sci2000 *Scilla scilloides*. Bulb. Sun/PtShade. 2'. Summer.

1865-Lavender flowers in August. Will self-sow. Germ: W; D; NST; 10 d. *Bennett*.

Sci2020 *Scilla scilloides* (late form). CHINESE SCILLA. Bulb. Sun/PtShade. 2'. Summer-Fall.

199-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. *Cresson*.

Sci2030 *Scilla scilloides* (short form). CHINESE SCILLA. Bulb. Sun/PtShade. 8". Summer.

199-Pinkish lavender. A short form of this variable and often misidentified species. Multiplies into clumps of 10" tall spikes, blooming in late August-September. Summer dormant. Very hardy. *Cresson*.

Scu2010 *Scutellaria diffusa*. SKULLCAP. An. Sun/PtShade. 6 x 10'. Summer.

199-Lavender-blue flowers. Attractive compact rock garden plant. Self-sows freely. Grayish foliage. Evenly moist to dry soil. *Cresson*.

Scu4010 *Scutellaria incana*. DOWNY SKULLCAP. Per. Sun/PtShade. 2-3 x 2'. Summer-Fall.

199-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. *Cresson*.

446-*Humphrey*.

1017-Blue flowers in July-August. An upright perennial that blooms when the border is slowing down a little. I'm told it can be a vigorous seeder, but I've never had a problem and you want more of these anyway. *Whitesell*.

2515-Blue flowers and gray foliage is attractive together. Germ: NST. *Doblmaier*.

9985-Blue blooms. Native. Germ: CMS: 90 d. *Jenkins Arboretum*.

Scu4150 *Scutellaria integrifolia*. SKULLCAP. Per. Sun. 1 x 2'. Summer-Fall.

199-Purple-blue blooms. Eastern native, prolific flowers all summer. *Cresson*.

Sed1190 *Sedum kamtschaticum* var. *floriferum*. ORANGE STONECROP. Per. Sun/PtShade. 6-12". Summer. Zone 3-8.

199-Yellow blooms. Per. Sun/PtShade. 6-12". Summer. This unusual form of this species came from the Wister Garden many years ago and is different from any I have seen. A tall sedum with yellow flowers. Stands up in poorer sunny locations, sprawly with richer soils and shade. I think it is worth experimenting with! *Cresson*.

Sed1550 *Sedum sieboldii*. OCTOBER DAPHNE. Per. Sun. 6-12 x 12". Summer-Fall. Zone 3-9.

199-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. *Cresson*.

Sed1600 *Sedum spectabile*. Per. Sun/PtSun. 1 x 1'. Fall.

199-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. *Cresson*.

Sen0030 *Senecio confusus*. MEXICAN FLAME VINE. TenVine. Sun. 8-10'. Fall. Zone 9a-11.

199-Orange blooms. Tender Vine. Sun. 10'. Fall. Vigorous twining vine bears clusters of bright orange flowers late summer to frost. *Cresson*.

Sen1800 *Senna hebecarpa*. WILD SENNA. Per. Shade. 4-6 x 2½'. Summer.

199-Yellow flowers. Branched heads of yellow pea-shaped flowers. Self-sows in my meadow. Tropical appearance. Native. *Cresson*.

2515-Yellow flowers and interesting foliage attracted many neighbors to ask what was that plant. Native. Germ: NST. *Doblmaier*.

Sen2010 *Senna marilandica* (syn. *Cassia marilandica*). WILD SENNA. Per. Sun/PtShade. 3-6 x 2-3'. Summer-Fall.

1277-Yellow flowers. Blooms spring to fall. *Haas*.

Sid0050 *Sida hermaphrodita*. GLADE OR VIRGINIA MALLOW. Per. PtShade. 6-10'. Summer.

543-Insignificant white flowers on tall plant (7-8') for the back of a semi-shaded border. Moist soil. Bright green, star-shaped leaves similar to *Liquidambar styraciflua*. Listed as endangered in several states. *Leasure*.

Sil0050 *Silene armeria*. SWEET WILLIAM CATCHFLY, NONE-SO-PRETTY. An./Bien. Sun/PtShade. 12-24" in bloom. Summer.

199-Pink flowers. Rosettes of narrow, glaucous leaves produce airy sprays of tiny, hot pink blooms, perfect among perennials. Allow to self sow and it will always be there. *Cresson*.

522-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*.

797-Hot pink blooms. Germ: SIS; NST. Self-sows. *Robinson*.

1277-Magenta bloom. Annual that self-sows here and there as a nice surprise. *Haas*.

1918-A short-lived, pink blooming, perennial grown as an annual in zone 7, *S. armeria* has bright pink flowers in midsummer on plants that grow up to 1' high. Well drained dry-to-medium moisture soils in full sun. 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*.

Sil0210 *Silene carolinianum var sherryi* ‘Short and Sweet’. WILD PINKS, CATCHFLY. Per. Sun/PtShade. 6–8”. Late Spring–Early Summer. Zone 4–7.

522–Deep pink blooms on a short (6–8”) rock garden plant. Bright shade to full sun. Blooms for weeks. Source Woodlanders Nursery, but bred at North Creek originally. *Kushner*.

Sil1700 *Silene regia*. ROYAL CATCHFLY. Per. Sun/PtShade. 2½ x 1’. Summer.

199–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. *Cresson*.

446–Red. Good soil. Attracts hummingbirds. Long-lived once established. Good in association with well-behaved deciduous shrubs for support. Contains seed of some pink forms. Germ: W, 14–20d, then C, 30d. *Humphrey*.

2515–Native, red-flowered perennial that blooms in the partial shade during the summer. Germ: NST. *Doblmaier*.

Sil2010 *Silene species*. CAMPION, CATCHFLY. Per. Sun. 8–15 x 12”; to 24” in bloom. Late Spring–Summer.

592–Pink/magenta blooms. Plants were here when I came. Good mixer in low-height contexts. Germ: SIS, NST. Pleasant self sower. Easy to pull when finished. *Malocsay*.

1918–Silver leaves and pink/magenta flowers. The plant originally came from Joanna Reed. Needs very good drainage. Will self-seed and then bloom from May to October. Germ: SIS. *Carey*.

Sil4260 *Silphium perfoliatum*. CUP PLANT. Per. Sun/PtShade. 8 x 4’. Summer–Fall.

543–Yellow flowers. Large, square-stemmed plant with yellow daisy-type flowers in summer. Native to the prairie. May seed aggressively. Germ: NST; BC; W; 2wk. *Leasure*.

1918–Yellow blooms. *S. perfoliatum* grows 4–10’ each season. The leaves clasp its stems, collecting rainwater. A favorite of finches, other small birds, and bees, it blooms with small yellow flowers in mid-late summer and provides seed for birds and other wildlife in the fall. Direct sow in mid-late fall and spring, or cold moist stratify for 3 mo before sowing for best results. Germ: CMS: 90 d, SIS. *Carey*.

3006–Prairie native. Sprays of small 1½” yellow flowers from late summer onwards. May have green or possibly dark purple square stem. Statuesque! *Mayer*.

Sil5040 *Silybum marianum*. MILK THISTLE, BLESSED THISTLE, HOLY THISTLE. Bien. Sun. 3–5 x 3’. Summer–Fall.

2937–Red-purple blooms. A thistle with attractive leaves veined in white. Large thistle flowers the first yr, not very hardy for me, so has never worked as a biennial, but it’s listed as such. *Bittmann*.

Smy2050 *Smyrniium perfoliatum*. BIENNIAL ALEXANDERS. Bien. PtSun/PtShade. 3–4’. Spring.

199–Chartreuse flowers. Biennial. Striking yellowish bracts on flower stalk associated with umbel in mid-late spring. Summer dormant. *Cresson*.

Sol1250 *Solanum quitoense*. NARANJILLA, LULO, SPINY TOMATO. TenPer. Sun. 6–8 x 4’. Summer–Fall. Zone 9b–11.

269–White blooms. This is an 8’ shrub from South America that is grown as a tender perennial. White flowers are followed by round green fruit that turn orange when mature. The common name means “little orange.” (The fruit is crushed and mixed with sugar to make naranjilla juice in Ecuador.). For gardeners, the showy, 2’-long, 1½’-wide leaves make the plants handsome additions to sunny beds and borders. Plants also make excellent specimens for large containers. The leaves are very spiny, and the spines are showy. Germination is similar to tomatoes, but plants take up to 12 mo to begin fruiting, so for fruiting plants, grow them in containers and overwinter in a greenhouse or indoors. Germ: BH, BC; Germination time is unknown, but start seedlings in mid winter: Plants are ready for transplanting in about 2–3 mo from sowing. Give plants full sun and rich, well-drained soil. *Ellis*.

Sol1450 *Solidago bicolor*. SILVERROD. Per. Sun/PtShade. 1–3’. Summer–Fall.

199–White flowers. The only white-flowered goldenrod species. Dry shade, clay soil on a wood’s edge. White flowers born in terminal spikes. Easy native. Originally from Eastern Shore of Maryland in dry shade, clay soil on a wood’s edge. *Cresson*.

Sol1500 *Solidago caesia*. WREATH GOLDENROD. Per. PtShade/Shade. 2’. Fall.

199–Yellow flowers. Tolerant of dry shade. A good nonspreading goldenrod for shade that looks great in fall with woodland asters *Cresson*.

Sol1600 *Solidago elliotii*. Per. Sun/PtSun. 3’. Late Summer.

199–Yellow flowers. This coastal salt tolerant species holds promise as a garden plant. Clump forming. September bloom. From Polly Hill Arboretum. *Cresson*.

Sol2800 *Solidago rigida*. STIFF GOLDENROD. Per. Sun/PtShade. 1–5’. Late Summer–Fall.

522–Bright yellow blooms. Not an elegant perennial, but fits well into a wilder garden setting. Blooms August–September in full sun. *Kushner*.

Sol4300 *Solidago tenuifolia*. Per. Sun/PtShade. 6 x 2’. Summer–Fall.

199–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. *Cresson*.

Sop1050 *Sophora davidii*. Shrub. Sun. 8 x 10’. Spring–Early Summer.

45–Light indigo blue/white, pealike blooms in spring. Dark green pinnate foliage, shrub is 8 x 10’. 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. *Bartlett*.

Sop1050 *Sophora davidii*. (Continued)

199-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. *Cresson*.

Spi1250 *Spigelia marilandica*. INDIAN PINK. Per. Shade/PtShade. 1–2 x 1–2'. Spring–Summer. Zone 5–9.

446-Red and yellow. Some repeat bloom. Germ: Plant outdoors in Feb. for germination in May. *Humphrey*.

558-Red and yellow vibrant flowers. Vigorous native for part sun and rich, organic soil. Self-seeds copiously when happy. No pests and relatively deer proof. Germ: CMS: 90 d. Germination is hypogeal. *Lewis*.

***** ***Spilanthes* species.** See: *Acmella* species.

Sta2010 *Stachys albotomentosa*. HILDAGO, 7-UP PLANT. TenPer. Sun. 1½ x 3'. Summer–Fall.

199-Salmon flowers. Woolly gray foliage. Not quite hardy, but worth the extra trouble. Easy from cuttings or division. Great summer pot plant or add to mixed border. Seedlings vary in depth of color. Originally collected near Hidalgo, in Eastern Mexico, by Yucca Do Nursery. *Cresson*.

Sta2210 *Stachys coccinea* ‘Mountain Red’. RED-FLOWERED LAMB’S EAR. Per. Sun/PtSun. 14–16 x 15–18". Summer. Zone 6–9.

2515-Red flowers on this native perennial. Germ: NST. *Doblmaier*.

Sta3200 *Stachys minima*. DWARF BETONY. Per. Sun/PtShade. 6–12 x 15–18". Spring–Summer.

2137-Crowded plump spikes of rose purple rise above the scalloped crinkled foliage. The glossy dark green, ground-hugging rosette is stunning even when not in bloom. Perfect for edging paths, butterfly gardens, and borders. Germ: W; NST. *Boylan*.

Sta3330 *Stachys officinalis* (dwarf form). WOOD BETONY. Per. Sun/PtShade. 2½ x 12–15"; to 6" in bloom. Summer.

199-White or magenta flowers. A tight grower, ideal for the front of the border or a rock garden. *Cresson*.

Sta8750 *Staphylea trifolia*. AMERICAN BLADDERNUT. Shrub. Sun/PtShade. 10–15 x 6–8'. Spring.

965-Cream blooms. A rarely seen, native large shrub or small tree. Clusters of small, blueberry-like flowers appear mid-late spring followed by the bladder-like seedpods. *Umphrey*.

Ste0550 *Stewartia koreana*. Tree. Sun/PtShade. 20 x 15'. Summer. Zone 5–7.

2137-White blooms. An excellent, small to medium-sized, deciduous garden tree, 30–40' tall and 25–30' wide, Korean stewartia is an all-season performer, exhibiting a distinctive branching pattern in winter, camellia-like flowers in summer, and bright yellow and red foliage in autumn. Germ: Frz: 90 d. Expose to fluctuating outdoor winter temperatures including freezing for 3 mo. Gradually increase light and temperature in spring. *Boylan*.

Ste0850 *Stewartia monadelphica*. TALL STEWARTIA. Tree/Shrub. Sun/PtShade. 80 x 25'. Summer.

199-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. *Cresson*.

1865-White blooms. ornamental bark, flowers in June. Germ: Cycle: 3-5 mo WMS then 3 mo CMS. *Bennett*.

Ste1050 *Stewartia pseudocamellia*. JAPANESE STEWARTIA. Tree. Sun. 20–40+ x 20'. Summer.

239-White flowers. Germ: OW; seed can take several years to germinate; Rtp. *Doering*.

Ste1400 *Stewartia rostrata*. Shrub. Sun/PtShade. 15–25'. Spring. Zone 6–7.

2137-White blooms. *S. rostrata*, or the “upright stewartia”, is a shrubby tree with an upright habit. Its flowers are pink at first, later fading to near white. Its finely-toothed, dark-green leaves turn orange-red in autumn. Also has shallowly furrowed bark that peels when the tree is mature. Height: 4-8 m. Germ: Frz: 90 d. Expose to fluctuating outdoor winter temperatures including freezing for 3 mo. Gradually increase light and temperature in spring. *Boylan*.

Sto2800 *Stokesia laevis* ‘Purple Parasols’. STOKES ASTER. Per. Sun/PtShade. 12 x 18". Late Summer.

558-Purple flowers. Sturdy. No pests, deer resistant. Long bloom. Tolerates drought. *Lewis*.

Sty5020 *Styrax japonicus*. JAPANESE SNOWBELL. Tree. Sun. 25 x 20'. Spring. Zone 5–9.

522-White. Good specimen tree with fragrant, pendulous blossoms. Interesting structure. Germ: SR. *Kushner*.

Sty5300 *Styrax japonicus* var. *fargesii*. STYRAX JAPONICUS. Tree. Sun. 25 x 20'. Spring. Zone 5–9.

2137-Germ: Cycle: Use repeated cycles of 68°F, then 40°F for 3 mo each. Germination is very prolonged. *Boylan*.

Sty5500 *Styrax japonicus* ‘JFS-D’ Snowcone™. SNOWCONE JAPANESE SNOWBELL. Tree. Sun/PtSun. 25 x 20'. Summer. Zone 5–8.

1999-Fragrant white flowers blooms. Bees, humans, and hummingbirds adore the small, flowering tree. Germ: CMS: 120 d, Soak: 1 d, WMS: 90 d, Cycle: Scarification: Soak in water, let stand in water for 24 hr. Stratification: warm stratify for 90 d, cold stratify for 120 d. Germination: sow seed 3/8" deep. *Norfolk Botanical staff*.

Sty5550 *Styrax obassia*. FRAGRANT SNOWBALL. Tree. Sun/PtShade. 20–30 x 15–25'. Spring. Zone 5–8.

45-White spring flowers in 6-8" hanging chains on a medium-sized (up to 30") tree. Good tree for a small space. Germ: Cycle; CW or plant outside to germinate. Slow, reliable from seed, then easy and quite fast growing. 2 yr. *Bartlett*.

522-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™**. DEVIL'S BIT. Per. Sun/PtShade. 30 x 18". Summer. Zone 5+.

199-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. *Cresson*.

Sym0100 *Symphotrichum* '**Blutenregen**'. ASTER. Per. Sun/PtShade. 18–30 x 24". October. Zone 4–8.

199-Light blue blooms. Per. Sun/PtShade. 18-30 x 24". October. An explosion of small light blue flowers with pink centers in early fall. A hybrid by famed German horticulturist Karl Foerster involving *A. cordifolia*, *A. ericoides*, and *A. lateriflorus*. *Cresson*.

Sym0500 *Symphotrichum* '**laevis**' '**Bluebird**'. SMOOTH ASTER. Per. Sun/PtSun. 3–4 x 3'. Sept–Oct. Zone 4–8.

199-Blue blooms. Per. Sun/PtSun. 3-4 x 3'. Sept-Oct. This is a really good blue aster with clean foliage, unlike the New England asters. *Cresson*.

Syn1250 *Syneilesis aconitifolia*. SHREDDED UMBRELLA PLANT. Per. PtShade/Shade. 15"; to 2½' in bloom.

2137-Grown for its foliage more than the white flowers. Umbrellas of finely dissected leaves that are covered with a silvery fuzz as they emerge in spring. Will form nice clumps over time. Germ: W. 90 d. Sets very little viable seed. (Good seed is fat and substantial and does not yield to pressure.) *Boylan*.

2937-A nice clumping perennial for shade. The big attraction are the fuzzy, 'shredded' umbrellas of foliage which push up in the spring and then open up into 18" tall, rounded, divided leaflets. OK in dry shade. *Bittmann*.

Syn1500 *Syneilesis palmata*. Per. PtShade/Shade. 15". Summer.

3321-White blooms.rown more for foliage than flower. Woodland plant. Germ: Cycle: fluctuating temps outside for 3 mo, then raise temps and increase light, OW, SR. *Perron*.

Tag1000 *Tagetes erecta* '**Cinnabar**'. MARIGOLD. An. Sun. 3 x 2'. Summer.

1143-Red blooms with gold edges. Old fashion form, tall and bushy habit. Reaching to 3' with a 2' spread. Germ: WMS 21 d, BH, BC, 21 d. NST. *Berkshire Botanical Garden*.

Tal1150 *Talinum calycinum*. FAMEFLOWER. Per. Sun. 4 x 10–12". Summer–Fall.

522-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.

522-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*.

1143-Masses of tiny, pink flowers on tall, wiry stems. Deep red seed pods contrast beautifully against chartreuse foliage. Self seeds. Germ: WMS: 14 d, W, BC, SR, NST. *Berkshire Botanical Garden*.

1607-*Jellinek*.

2429-*Bricker*.

Tan2010 *Tanacetum parthenium*. FEVERFEW. Per. Sun. 8–10"; to 2' in bloom. Summer.

199-White blooms. Biennial or annual plants with many small daisy flowers. This is a unique heirloom form with domed yellow centers surrounded by white petals, which I have never seen elsewhere. Has been in my garden for many decades. 2-3' tall. *Cresson*.

1918-Yellow and white blooms. A perennial herb that grows 1-2' high, *T. parthenium* blooms in summer with little daisy-like flowers. Its foliage is aromatic. Full sun and well-drained soil. Germ: SS, SIS. *Carey*.

Tan2250 *Tanacetum parthenium* '**Aureum**'. GOLDEN FEVERFEW. Per. Sun. 2 x 1'. Summer.

1607-White blooms with yellow center. Twelve inch mounds of ferny, aromatic, chartreuse-yellow foliage are topped with single white daisies in midsummer. *Jellinek*.

Tan3100 *Tanacetum vulgare*. TANSY. Per. Sun/PtSun. 1–3 x 1–2'. Summer. Zone 3–8.

1918-Yellow blooms. A perennial herb that grows 2-6' each season, *T. vulgare* tolerates most garden soils. It has aromatic, pinnately divided foliage. Blooms in mid- to late-summer with golden yellow button-like flowers. Spreads by rhizomes and may seed in. Germ: BC, SS. *Carey*.

Tec0060 *Tecoma stans*. TRUMPET BUSH, BUSH HONEYSUCKLE.

199-Yellow blooms. Tropical Shrub. Sun/PtSun. 3 x 3'. Clusters of bright yellow foxglove-like flowers all summer long give this little shrub real flower power through our hot muggy summers. Related to trumpet vine. Great for pots. *Cresson*.

Tel2010 *Tellima grandiflora*. FRINGECUP. Per. PtShade/Shade. 6 x 12"; to 1½' in bloom. Late Spring–Summer.

2429-Small heuchera relative. Makes a nice ground cover in shade. Germ: BC; NST. *Bricker*.

Tha0500 *Thalia dealbata*. Per. Sun. 6–10'.

199-Purple blooms. Per. Sun. 6-10'. Summer. A useful accent plant either in the pond or in a moist location in the garden. *Cresson*.

Tha1600 *Thalictrum chelidonii*. Per. PtShade. 1–2 x 2'; from 3–7' in bloom. Summer. Zone 5–9.

592-Lavender blooms. Lovely. I do support in bloom which, like *T. rochebruneum*, keeps coming to summer's end. Needs support. *Malocsay*.

Tha1700 *Thalictrum dasycarpum*. MEADOW RUE. Per. Sun/PtShade. 3–5' x 3–4'. Early Summer. Zone 4–7.

2429-White flowers. A tall native, blooming in early summer. Purple stems support a cloud of bloom. Germ: CMS: 60 d, C, BC. *Bricker*.

Tha3650 *Thalictrum rochebruneum*. LAVENDER MIST, MEADOW RUE. Per. Sun/PtShade. 1–2 x 2'; from 3–7' in bloom. Summer.

199-Rich mauve-pink blooms. Airy masses of small flowers on 6+' stems above columbine-like foliage in midsummer. *Cresson*.

446-Germ: NST, SIS or C/W. *Humphrey*.

Thalictrum rochebruneanum – *Trollius x cultorum*

Tha3650 *Thalictrum rochebruneanum*. (Continued)

592-Lilac flowers. Towering yet dainty in foliage and flower. Give shade in really hot places. Self-sows where happy. Germ: NST. *Malocsay*.

1277-Lavender flowers. Tall, airy, and delicate looking see-through plant with pretty, blue-green foliage. *Haas*.

Tha4250 *Thalictrum uchiyamae*. MEADOW RUE. Per. Sun/PtShade. Summer.

199-Greenish white flowers. Very rare Korean species. Successfully weaves up through shrubs. A texture plant. *Cresson*.

The2050 *Thermopsis villosa* (syn. *T. caroliniana*). SOUTHERN LUPINE, CAROLINA LUPINE. Per. Sun/PtShade. 4–7 x 2–4'. Late Spring–Summer.

1607-Clump-forming perennial with dense spikes of yellow flowers in June look like Baptisia or lupines. Compound foliage is attractive late into the season. A tough plant that is long lived once established. Germ: RTp. *Jellinek*.

2429-*Bricker*.

2517-Yellow, pea-like flowers on spikes, blooming late June-July. Native American wildflower, originally from Georgia to North Carolina. Germ: Soak overnight. *Weaver*.

Thu2010 *Thunbergia alata*. BLACK-EYED SUSAN VINE. An. Vine. Sun. 5–10'. Summer.

199-Soft yellow blooms. This soft yellow strain is easy to combine with most summer colors. Grow on a tripod or tuteur. *Cresson*.

Tit0050 *Tithonia rotundifolia*. MEXICAN SUNFLOWER. An. Sun. 4–6 x 1'. Summer–Fall.

592-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. *Malocsay*.

1277-Orange flowers. *Haas*.

Tit2260 *Tithonia rotundifolia* ‘Torch’. MEXICAN SUNFLOWER. An. Sun. 4–6 x 1'. Summer–Fall.

965-Brilliant orange-red flowers. A butterfly magnet and a great color contrast with true blues. Germ: W. *Umphrey*.

Tra9100 *Tragopogon species*. WESTERN SALSIFY, GOAT’S BEARD WEED, WILD OYSTERPLANT. An./Bien. Sun. 1–2 x 2–3'. Summer.

592-Yellow blooms. Unobtrusive mixer—low grassy foliage, knee high bloom unremarkable—seed head of dry arrangement interest. Think 3-4” diameter dandelion willing to do time indoors intact. Most likely *Tragopogon dubius*. Germ: SIS. Self sows, but not a nuisance. *Malocsay*.

Tri1300 *Tricyrtis dilatata*. TOAD LILY. Per. PtShade. 3 x 2'. Summer–Fall.

199-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. *Cresson*.

Tri2000 *Tricyrtis formosana* ‘Sinonome’. TOAD LILY. Per. PtShade/Shade. 40”. Fall.

318-Flowers white with maroon spots. Branched, arched stems. October blooms that are more at terminals and more spreading, upright than *T. hirta*. *Garnett*.

Tri3000 *Tricyrtis hirta*. TOAD LILY. Per. PtShade/Shade. 1½ x 1½'. Fall. Zone 4–8.

543-Creamy white flowers with purplish spots. Great show early fall. Germ: CMS 14-30 d. With no treatment, germinate following year. *Leasure*.

Tri3020 *Tricyrtis hirta* ‘Alba’. TOAD LILY. Per. PtShade. 2–3'. Fall.

199-White flowers. Vigorous plant with anthracnose-resistant foliage. Makes a good show. *Cresson*.

Tri3100 *Tricyrtis hirta* ‘Miyazaki’. TOAD LILY. Per. PtShade/Shade. 4 x 2'. Late Summer–Fall.

318-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.

318-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.

199-White flowers with reddish spots. Masses of flowers in Sept. Parent plant of wild origin in Hubei, China. *Cresson*.

239-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. *Doering*.

Tri4100 *Tricyrtis maculata*. CHINESE SPOTTED TOAD LILY. Per. PtSun. 3–4'. Summer. Zone 5a–8a.

2137-White with purple-dot blooms. A floriferous, showy species, white flowers evenly spotted with large, violet-purple spots. Germ: W, L, 90 d. *Boylan*.

Tri5010 *Tridens flavus*. PURPLETOP. Grass. Sun. 4–5'. Summer–Fall.

2515-Native grass that is tolerant of a wide variety of conditions. I have my *Tridens flavus* in wetter conditions, but can tolerate dry situations. *Doblmaier*.

3006-Purple top 3-5', sun or light shade. Tiny breezes sway this subtle and graceful wispy grass. Purple panicles fade to beige in late fall. Perennial native. Indigenous seed collected from 21013 zipcode. *Mayer*.

Tri8010 *Triteleia laxa* ‘Queen Fabiola’ (syn. *Brodiaea laxa*). TRIPLET LILY, UTHURIELS’S SPEAR. Per. Sun. 1–2½'. Spring.

558-Dark blue flowers in summer. Small, native blooms, long lasting, 18”, tolerates dry, sun, leaves sometimes shrivel before flowers. *Lewis*.

Tro1050 *Trollius x cultorum* ‘Pritchard’s Giant’. GLOBE FLOWER. Per. Sun/PtShade. 3 x 2'. Spring.

199-Orange blooms. Per. Sun/PtShade. 3 x 2'. Spring. Early perennial is great companion to bulbs. Summer dormant, but prefers a cool moist location. *Cresson*.

- Tro1400** *Trollius laxus*. AMERICAN GLOBEFLOWER. Per. Sun/PtShade. 18–24". Late Spring/Early Summer.
2515-Dainty yellow flowers floating above the foliage. Likes a moister soil. Germ: NST. *Doblmaier*.
- Tro7900** *Tropaeolum annuum*. NASTURTIUM.
943-Orange and yellow blooms. Green leaves, shorter form of nasturtium. Long bloom. Germ: SIS. *Thomas*.
- Twe1050** *Tweedia caerulea*. TenPer./An. Sun. Summer.
84-A sun lover with light blue flowers. Tender perennial. *Bowditch*.
199-Blue blooms. An. Sun. 18 x 24". Summer. The real intrigue of this South American plant is the intense, almost turquoise, light blue flowers, which continue all summer above gray green, fuzzy, heart-shaped foliage on somewhat sprawly stems. Other than that it is remarkably similar to its relative, our native butterfly weed with similar seed pods. Success comes with lots of sun and good drainage. Plant among other sun loving gray foliage such as lavender, santolina, yucca. *Cresson*.
592-Unusual light blue blooms. Herbaceous clambering milkweed relation. Pinch early to discipline. Handsome sprawling foliage, nice mixer or in pots (though vigorous in ground). Use in the front of border or in containers. Quietly gorgeous. Germ: NST. *Malocsay*.
- Ung1000** *Ungnadia speciosa*. MEXICAN BUCKEYE. Shrub/Tree. 12".
32-Pink blooms. Germ: OW, D, NST. *Plant Delights*.
- Vel4250** *Veltheimia bracteata*. TenBulb. Sun. 1½'. Spring.
45-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. *Bartlett*.
926-Pale-pink and green flowers. A tender South African bulb with glossy, wavy-edged foliage and flowers that resemble a pale pink kniphofia. Germ: NST. *Streeter*.
- Ver2220** *Verbascum species*. Bien. Sun/PtShade. Basal rosette; to 4' in bloom. Summer.
65-*Berger*.
- Ver3100** *Verbena bonariensis*. PURPLE VERBENA, BRAZILIAN VERBENA. TenPer. Sun/PtShade. 4 x ½'. Summer-Fall.
318-*Garnett*.
1918-Purple blooms on a tall, see-through perennial that is borderline hardy in zone 7. Blooms with purple flower heads from June-frost. Self sows. Germ: NST. *Carey*.
2937-*Bittmann*.
- Ver3120** *Verbena bonariensis* 'Meteor Shower'. VERVAIN. An./Per. Sun/PtSun. 20–30". Summer/Fall. Zone 7–11.
199-Purple blooms. Ann/Per. Sun/PtSun. 20-30". Summer/Fall. At first I was doubtful that this cultivar is a bit shorter than the species, but it's true and remains true for its seedlings the following year. An advantage for some locations and combinations. *Cresson*.
- Ver3150** *Verbena canadensis* (syn. *Glandularia canadensis*). ROSE VERBENA. Per. Sun. 1–1½ x 1–2'. Spring–Summer. Zone 5–9.
2515-Purple flowered plant that blooms all summer in a partial shade location on my property. Germ: NST. *Doblmaier*.
- Ver3360** *Verbena hastata f. rosea*. ROSE VERVAIN. Per. Sun. 3–4 x 1.5–2'. Summer. Zone 3–8.
1999-Rose pink blooms. Attracts skippers and hummingbird moths, grows to 5' tall, makes an excellent cut flower. Germ: CMS: 90 d, L, SS, 90 d *Norfolk Botanical staff*.
- Ver3430** *Verbena officinalis var. grandiflora* 'Bampton'. COMMON VERVAIN. Per. Sun/PtSun. 3'. Summer/Fall.
199-Purple blooms. Per. Sun/PtSun. 3'. Summer/fall. Think of this as a refined version of *V. bonariensis* with smaller deep purple flowers on airy purple stems. Winter hardiness is uncertain but will probably reseed. New from England and still scarcely available here. *Cresson*.
- Ver3500** *Verbena stricta*. Per. Sun. 3 x 2'. Summer–Fall.
1999-Lavender flowers. Larval host for the Common Buckeye Butterfly (*Junonia coenia*). Long-blooming, makes an excellent cut flower, useful to wildlife and birds. Germ: CMS: 60 d, BC, L, SS, 100 d. *Norfolk Botanical staff*.
- Ver3700** *Verbena urticifolia*. WHITE VERVAIN. Per./Bien., PtSun, 3–5'.
3006-Good at woodland edge. Unpredictable growth habit, but when the delicate bloomstalks fan out, they look like fireworks preserved in action and are charming in bloom and thru late fall. Indigenous seed collected from 21013 zipcode. *Mayer*.
- Ver5300** *Vernonia baldwinii*. WESTERN IRONWEED. Per. Sun. 3–5 x 1–1½'. Summer. Zone 5–9.
2137-Magenta blooms. Very easy to start from seed, this ironweed has showy bright magenta flowers from July through September. Attracts numerous pollinators! Germ: W, NST, 90 d. *Boylan*.
- Ver5850** *Vernonia glauca*. UPLAND NEW YORK IRONWEED. Per. 5 x 3'. Fall.
199-Purple flowers. At 4-5' this is more garden sized and also blooms a little earlier, in late summer, than many other species. *Cresson*.
- Ver6050** *Vernonia noveboracensis*. IRONWEED. Per. Sun/PtShade. 4–7 x 2–3'. Summer–Fall. Zone 5–8.
199-Violet flowers. Locally native species for large border. *Cresson*.
507-Rich purple flowers. Cool, dark green foliage. A slowly widening clump. Very dependable. *Kolo*.
543-Purple/pink blossoms, native, 6'. Late summer, fall-blooming. Will tolerate wet feet. Germ: NST. *Leasure*.
- Ver7500** *Veronica oltensis*. THYME-LEAF SPEEDWELL. Per. Sun/PtSun. 4 x 12". Spring.
199-Blue blooms. Creeping stems with tiny evergreen leaves form a dense mat between stones, in a rock garden or in a stone wall. Blue flowers in mid-spring. Native of Turkey on dry rocky slopes. *Cresson*.

Veronicastrum virginicum – *Zephyranthes*

Ver8560 *Veronicastrum virginicum* ‘Album’. CULVER’S ROOT. Per. Sun/PtSun. 4–7 x 2–4’. Summer. Zone 3–8.

199-White blooms. Vertical stems with whorls of horizontal foliage create a unique effect beneath the white flower spikes in midsummer. *Cresson*.

Ver8570 *Veronicastrum virginicum* ‘Fascination’. CULVER’S ROOT. Per. Sun/PtShade. 2 x 1½; to 5’ in bloom. Summer.

199-White/pink blooms. Vertical stems with whorls of horizontal foliage create a unique effect beneath the pink flower spikes in midsummer. Stronger, more dramatic and earlier blooming than ‘Album’. *Cresson*.

Vib1650 *Viburnum dilatatum* ‘Michael Dodge’. LINDEN VIBURNUM. Shrub. Sun/PtShade. 8–10 x 8–10’. Late Spring/Early Summer.

522-Lovely linden viburnum clusters of showy golden yellow berries. *Kushner*.

Vib1750 *Viburnum ichangense*. ICHANG VIBURNUM. Shrub. Sun/PtShade/Shade. 8–10’. Spring. Zone 5–8.

199-White flowers. Rarely seen species similar to *V. dilatatum*. Bright red fruit in October-December. Yellow-orange fall color. Large arching shrub. One of Dr. Styer’s favorite viburnums. *Cresson*.

Vib2550 *Viburnum prunifolium*. BLACKHAW VIBURNUM. Shrub. Sun/PtShade. Zone 3–9.

1277-White flowers. Large shrub/small tree. Leaves reddish in spring and nice fall color. Native. *Haas*.

Vic0100 *Victoria cruziana* (syn. *V. trickeri*). SANTA CRUZ WATERLILY. Tropical. Sun. Summer. Zone 10.

1114-White or pink night-blooming tropical. Giant water lily producing massive, floating leaves that typically reach 2-4’ across, complete with unforgiving spines. Germ: Sefy; BH; L; 20-30 d. Warm temperatures are a must. Do not let seeds dry out. Sow in water. *Aquascapes Unlimited*.

Vig0080 *Vigna unguiculata*. RED NOODLE BEAN.

2199-Pink bloom on vigorous climbing annual vine, produces 12” long, burgundy, edible beans. Germ: NST. *Cherry*.

Vio0500 *Viola corsica*. Sun/PtShade. ½ x 1’. Spring–Fall.

199-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. *Cresson*.

Vit1850 *Vitex negundo* var. *heterophylla*. Shrub. Sun. 10 x 10’. Summer/Fall.

45-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. *Bartlett*.

Zan2100 *Zantedeschia* ‘Mango’. CALLA LILY. PerBulb. Sun/PtSun. 12–18”. Summer. Zone 8–10.

199-Yellow/red blooms. PerBulb. Sun/PtSun. 4”. Summer. A hybrid calla that has proven hardy here and blooms during summer with the colors of a ripe mango. In heavy clay soil that tends to stay moist. *Cresson*.

Zep0500 *Zephyranthes* ‘Apricot Queen’. RAIN LILY. Bulb. Sun/PtShade. 6–12 x 3–6”. Late Summer–Fall. Zone 8a–11.

522-Lovely warm apricot blooms. See listing in Pacific Bulb Society’s zephyranthes page and Plant Delights’ offerings. *Kushner*.

Zep1200 *Zephyranthes citrina*. RAIN LILY. TenBulb. Sun. 3–4 x 8; to 6” in bloom. Spring through Fall.

522-Bright golden yellow rain lily. 6-12”. Full sun. Late season bloomer. Good container plant. *Kushner*.

Zep2100 *Zephyranthes drummondii*. RAIN LILY. TenBulb. Sun. 6 x 4”; to 10” in bloom. Summer.

522-San Carlos form. Fragrant, large, pure white flowers. Early bloomer. Source: Yucca Do Nursery. I grow mine in containers. *Kushner*.

Zep2200 *Zephyranthes* ‘Eastern Pearl’. EASTERN PEARL RAIN LILY. TenBulb. Sun. 10”. Summer. Zone 7b–11.

522-Peachy-pink blooms on a lovely bulb bred by Fadjar Marta and introduced by Plant Delights Nursery. Notable for the yellow stripes down the center of each petal. Pot plant. *Kushner*.

Zep2550 *Zephyranthes fosteri*. RAIN LILY. TenBulb. Sun/PtShade. 6–12”. Late Summer–Fall. Zone 7b–10b.

522-Good pink bloomer. I grow in pots. Not hardy. Source: Woodlanders. *Kushner*.

Zep2850 *Zephyranthes jonesii* (syn. *Cooperia jonesii*). JONES’ RAIN LILY. PerBulb. Sun/PtShade. 6–12 x 3–6”. Summer–Early Fall.

522-One of the prettiest, creamy yellow, lemon yellow blooming rain lily. Fragrant, with upfacing, tubular flowers. Glossy green foliage. Native of Texas. Source: Lazy S Farm Nursery. *Kushner*.

Zep2890 *Zephyranthes* La Bufa Rosa Group (syn. *Z. ‘Labuffarosea’*). GIANT PRAIRIE RAIN LILY. TenBulb. Sun/PtShade. 6–10 x 4–6”; from 7–12” in bloom. Summer. Zone 7–10.

199-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. *Cresson*.

Zep2900 *Zephyranthes* La Bufa Rose Group ‘Apertif’ (syn. *Z. ‘Labuffarosea’*). GIANT PRAIRIE RAIN LILY. TenBulb. Sun/PtShade. 6–10 x 4–6”. Summer–Fall. Zone 7–10.

522A-Light pink, nearly white blooms. A Yucca Do discovery in Mexico. Lovely pot plant. Short green glossy leaves. Prolific bloomer. *Kushner*.

Zep2970 *Zephyranthes* La Bufa Rosa Group ‘Lily Pies’. RAIN LILY. TenBulb. Sun/PtShade. 8 x 12”. Summer–Fall. Zone 7–9.

522-Pink-tipped white flowers. Bred at Yucca Do Nursery. Small picotee rain lily with overlapping petals. *Kushner*.

Zep3250 *Zephyranthes macrosiphon*. RAIN LILY. TenBulb. Sun/PtShade. 6 x 6"; from 7–12" in bloom. Summer.

199-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. *Cresson*.

Zep3900 *Zephyranthes primulina*. RAIN LILY. TenBulb. Sun/PtShade. 6–12 x 3–6". Late Spring–Early Summer. Zone 8a–11.

522-Yellow blooms fading to pink/peach. Very pretty, large flowered rain lily, upward facing blooms. Source: Wild Ginger Farm. *Kushner*.

Zep4600 *Zephyranthes Sunset Strain*. RAIN LILY. TenBulb. 10". Summer–Fall. Repeat Bloomer.

522-Prolific, pale apricot blooms. Blooms more often than other varieties. Source: Yucca Do. *Kushner*.

Ziz2040 *Zizia aptera*. HEARTLEAF ALEXANDER. Per. Sun/PtShade/Shade. Late Spring.

2429-Yellow flowers in flat-topped umbels over evergreen leaves. Germ: CMS: 90 d. *Bricker*.

Ziz2150 *Zizia aurea*. GOLDEN ALEXANDERS. Per. Sun. 2–2½". Spring–Early Summer.

1999-Acid yellow blooms. Host plant for Eastern Black Swallowtail caterpillars (*Papilio polyxenes asterius*); it is evergreen in warm climes, mine have bloomed on Christmas day. Germ: CMS, Cycle: Cold, moist stratify for 60 d. Germination will commence in 14-21 d when seeds are returned to 70°F. *Norfolk Botanical staff*.

Zin1450 ^*Zinnia elegans* 'Lilliput Mix'. An. Sun. 18–24". Summer.

2294-Annual mixed blooms. Open-pollinated seeds will be true, 2–3' high plants. *Squitiere*.

Zin1700 ^*Zinnia haageana* 'Persian Carpet'. An. Sun. 12–16".

965-Variable yellow gold, maroon, and red with white blooms. Pictures do not do justice to the cuteness of this flower. Blooms of the plants from which this seed was collected were a mere 1" across but fully double with beautiful, intricate designs. Plants are about 3' tall, so they would be best in cottage gardens or mixed in the veggie garden for cut flowers. Donated by Half Acre Flower Farm. *Umphrey*.

Zin2600 ^*Zinnia zahara*. ZINNIA. An. Sun. 12–18 x 12–18". Summer.

2621-Bright orange flowers. Nonstop cheerful blooms on spreading 18 x 24" plant. Deadheading extends blooming through late summer. Germ: W. *Nachlas*.

Ziz2040 ^*Zizia aptera*. HEARTLEAF ALEXANDER. Per. Sun/PtShade/Shade. Late Spring.

2429-Yellow flowers in flat-topped umbels over evergreen leaves. Germ: CMS: 90 d. *Bricker*.

Ziz2150 *Zizia aurea*. GOLDEN ALEXANDERS. Per. Sun. 2–2½". Spring–Early Summer.

2294-Yellow, early spring blooms. Native perennial, can be short lived but will re-seed. *Squitiere*.

Notes

HPS/MAG Seed Exchange Order Form

Online: www.hardyplant.org
 By mail: Mary Ann Thomas
 8600 Elliston Drive
 Wyndmoor, PA 19038
 ma.weeder@gmail.com
 215-233-3071

Shipping:

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

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 www.hardyplant.org. If you prefer, you can still fill in this form manually and mail it with your payment. All checks should be made payable to HPS/MAG, and sent to Mary Ann Thomas, 8600 Elliston Drive, Wyndmoor, PA, 19038. Payment required is \$20.00 if posted online or postmarked by the deadline, January 16, and \$25.00 if after and until January 23.

Submit your order as early as possible to enhance the likelihood of receiving all your first choices. Orders received after the dead-

line will be filled as the supply of seed permits. Orders placed after January 16 must include a payment for \$25.00 to cover a late order surcharge of \$5.00. Late orders submitted without the surcharge will be returned. Orders posted or postmarked after January 23 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 fee and only one is entitled to the donor/volunteer bonus, if applicable.

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

First Choices List: Identify in alphanumeric order. <i>Please print neatly!</i>				Donor/Volunteer Bonus Seeds: Continue listing in alphanumeric order only if you are a donor or a volunteer			
	Plant Code	Botanical Name	Donor Code		Plant Code	Botanical Name	Donor Code
	Xxx0000	<i>Genus & specific epithet 'Cultivar If Available'</i>	0000	26			
1				27			
2				28			
3				29			
4				30			
5				31			
6				32			
7				33			
8				34			
9				35			
10	Alternate Choices List: Identify in order of preference.						
11				1			
12				2			
13				3			
14				4			
15				5			
16				6			
17				7			
18				8			
19				9			
20				10			
21				11			
22				12			
23				13			
24				14			
25				15			

FIRST CLASS

Carole Maher
774 Church Rd
Elkins Park, PA 19027



MID-ATLANTIC GROUP

SEED EXCHANGE CATALOG

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

