



The Hardy Plant Society/Mid-Atlantic Group

2015–2016 Seed Exchange Catalog

MID-ATLANTIC GROUP

The 22nd annual edition of the Seed Exchange Catalog includes 1,143 seed donations contributed by 69 gardeners, from beginners to professionals. Over 150 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. Our sincere thanks to each one.

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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.

- Sandy VernickSeed Exchange Chair
- Carole MaherSeed Exchange Vice Chair
- Jim BobbSeed Catalog Editor, Data Entry, and Archive Master
- Lynn CherryDonation Receiver and Seed 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.

522–Yellow. A back-of-the-border plant. Pale lemony yellow flowers (like tissue paper) with red inside. Best photo and description found in Wayne Winterrowd's *Annuals for Connoisseurs*. Germ: Soak, 1 hr in lukewarm water before sowing; BC; BH, 5–30 d; soaking is essential. *Kushner*.

590–Pale yellow flowers with burgundy throat. *Mahony*. **627**–*McShane*.

817–Six inch wide sulfur yellow flowers most of the summer, especially if deadheaded. Has been overwintering at the JC Raulston Arboretum. Entirely worthy as an annual. *Ruhren*.

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*.

3262–Pale yellow bloom with maroon center. Germ: Soak: overnight. Soaking speeds germination, but is not required. *Grindrod*.

Abe1000 *Abelmoschus manihot* 'Mischief'. MUSK MALLOW. TenPer. Sun/PtShade. 20 x 16–20".

627–These seeded themselves this year (despite the harsh winter), and I was very glad to see the small coral-pink faces of the flowers. Very pretty! For me they were only 12–15". *McShane*.

Abe1070 *Abelmoschus moschatus* 'Pacific Red'. MUSK MALLOW. TenPer. Sun. 1½–2 x 1–1½'. Summer–Fall.

522–Orange-red blooms. *Kushner*.

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.

2294–Small tree. Seedlings sprout beneath mine. Germ: Sun to partial shade; prefers moist, well-drained soil but grows in a variety of soil types, not drought tolerant. *Squitiere*.

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*.

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*.

Ace0920 *Acer palmatum* 'Arakara'. CORK BARK MAPLE. Tree. Sun/PtShade. 15 x 15'. Zone 5–8.

3177–Green-leaved, red seeded. Deep red fall color. *Gibson*.

Ace1000 *Acer palmatum* (Dissectum Group) 'Crimson Queen'. JAPANESE MAPLE. Tree. Sun/PtShade. 8–10 x 10–12'. Spring.

2483–Seedlings are upright with various leaf shapes and colors—some black-maroon, some sea-green with red picotee to leaf edge, and variations in between. Leaf lobes tend to be not as long and thin as parent, but more so than species. *Barrett*.

Ace1400 *Acer pensylvanicum* 'Erythrocladum'. MOOSE-WOOD, SNAKEBARK. Tree. Sun/PtShade. 8–10'. Zone 5–8.

199–This small tree has green- and white-striped bark and, in winter, white- and pink/red-striped bark, with brilliant coral shoots, striped with white. Yellow fall color on this native snakebark. *Cresson*.

Ach2000 *Achimenes* species. HOT WATER PLANT. TenPer. Shade. Summer–Fall.

592–Traditional pass along, trailing purple trumpets out of pots or hugging ground. Shade a must. Store scaley rhizomes frost-free. Slow to start, but blooms unfailingly. Generous increase. *Malocsay*.

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.

554–Germ: SIS, NST. *Levine*.

Aco1050 *Aconitum carmichaelii*. Per. PtShade. 18 x 18"; from 5–6' in bloom. Fall.

1277–Blue flowers. Late blooming. *Haas*.

Aco1060 *Aconitum carmichaelii* 'Arendsii'. MONKSHOOD. Per. PtShade. 6 x 3'. Fall.

2294–Large, true blue flowers. Blooms in fall, 3–4' high. *Squitiere*.

Act0810 *Actaea dahurica* (syn. *Cimicifuga dahurica*). FAIRY CANDLES, SIBERIAN BUGBANE. Per. Sun/PtShade. 2–8 x 3'. Summer–Fall.

5024–Tall, airy spires of very fragrant, white blooms. Bee magnet. Germ: CMS: 90 d, WMS: 60 d, WMS/CMS/WMS; BH; 2 yr. Slow germinator, but spreads once established. *Iroki Garden*.

Act0865 *Actaea japonica* 'Cheju Do' (syn. *Cimicifuga japonica* 'Cheju Do'). CHEJU ISLAND BUGBANE. Per. PtShade/Shade. 1 x 1–2; to 4–5' in bloom. Summer/Fall. Zone 4–8.

5024–White blooms. Foliage emerges with a purple hue. Prolific flower spikes. Germ: CMS: 90 d, WMS: 60 d, WMS/CMS/WMS; 2 yr. *Iroki Garden*.

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 3 mo, CMS 3 mo. *Streeter*.

- Act0900** *Actaea racemosa* (Continued)
1527-White flowers. Germ: NST; SIS. Plant in moderately acid humus-rich loam, 1–2 hr morning sun. *Felton*.
2429-White flowers in summer. Germ: Cycle: W-C-W. *Bricker*.
- Act1000** *Actaea rubifolia*. APPALACHIAN BUGBANE. Per. Sun/PtShade. 6–8 x 1–2'. Summer. Zone 3–8.
926-White blooms. *Streeter*.
2429-A late summer white-blooming bugbane with bold foliage. Flower stalks are held stiffly upright. Germ: Cycle. *Bricker*.
- 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*.
1277-White flowers. Fragrant blooms in fall. Foliage not black, only dark green. Best put seeds in pot and overwinter, maybe even two years. *Haas*.
- Adi6000** *Adina rubella*. GLOSSY ADINA. Shrub. PtShade. 5–6 x 5–6'. Summer.
208-Funky Sputnik-like white flowers on tips of branches. Handsome small shrub with luxuriant glossy green foliage. Germ: CMS. *Dahlke*.
2137-White blooms. An upright, spreading loose shrub with arching branches and fragrant white buttonbush-like flowers on rounded heads from summer to fall. *Boylan*.
- Adl0050** *Adlumia fungosa*. CLIMBING FUMITORY, CLIMBING BLEEDING HEART. Bien. PtShade. 6–12'. Summer–Fall.
199-Pale pink blooms. Native biennial for semishade. A ferny rosette in the first yr produces climbing stems in the second yr which scramble up to 12', flowering most of the summer with numerous small bleeding heart-like flowers. Self-sows enough to persist without being a pest. *Cresson*.
- Aes0050** *Aesculus × carnea 'Briotii'*. RUBY RED HORSE-CHESTNUT. Tree. Sun/PtShade. 25 x 25'. Zone 5–8.
1277-Red. Tree growing to 30–40'. Cross between *A. Pavia* & *A. hippocastanum*. Germ: CMS: 120 d; R. *Aesculus* seed is intolerant of drying and freezing temps. Must be stored in fridge in moist peat until can be planted. *Haas*.
- Aes0300** *Aesculus parviflora*. BOTTLEBRUSH BUCKEYE. Shrub. Sun/PtShade. 10 x 15'. Summer.
1277-White flowers. Large spreading shrub to 10'. *Haas*.
- Aes0500** *Aesculus pavia Eco Dwarf Form*. RED BUCKEYE. Shrub/Tree. Sun/PtShade. 9 x 15'. Early Summer.
199-Nice dwarf form. Clear red blooms early May with dogwoods, azaleas, camassia. Yellow fall color. 9' in 15 yr. Best in part shade. Found in Walker County, NW Georgia by Don Jacobs of Eco Gardens. *Cresson*.
- Aga1750** *Agapanthus species/cultivar*. TenPer. Sun. 1½ x 1½'; to 3' in bloom. Summer.
926-Blue flowers. *Streeter*.
- Aga2000** *Agastache 'Astello Indigo'*. Per. Sun. 2'. Zone 6–9.
1277-Blue-purple blooms. Root beer scent, Very attractive to bees and butterflies. *Haas*.
- Aga2650** *Agastache foeniculum 'Golden Jubilee'*. ANISE HYSSOP. Per. Sun. 3–5 x 1–2'. Summer–Fall.
1277-Blue flowers. Nice golden foliage stays bright for most of the summer. *Haas*.
2294-Purple flowers. Chartreuse, fragrant foliage. Reseeds. Blooms first year from seed. Germ: NST. Easy. Looks good with blue neighbor. Scatter seeds. *Squitiere*.
- Aga2950** *Agastache pallidiflora var. neomexicana*. Sun. 1½ x 1'.
446-Bluish lavender flowers. Bears dense, upright spikes of tiny lavender corollas and calyces. Parent had about 50 stems and 7,500 flowers. Probably tender in Zone 5 or 6. All agastaches are good herb garden plants and may be grown as annuals. Germ: NST; W; BC; 10 d. *Humphrey*.
- 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. *Cresson*.
- Aga3800** *Agastache rupestris 'Apache Sunset'*. Per. Sun. 1–2'. Zone 6–9.
2937-Peach/rose, long-blooming flowers. Hard to describe color on plants which love full sun and laugh at drought. Nicely scented foliage and popular with hummingbirds, butterflies, and bees. *Bittmann*.
- Aga4000** *Agastache scrophulariifolia*. PURPLE GIANT HYSSOP. Per. Sun/PtShade. 2–5' x 18–23". Summer. Zone 4–9.
1684-Broekhuis.
- Alc0050** *Alcea rosea (all colors)*. HOLLYHOCK. Bien./Per. Sun. 2 x 2'; from 6–8' in bloom. Summer.
200-Rose, pink, white blooms in singles and doubles to 6–8'. Germ: NST. *Creveling*.
- Alc0100** *Alcea rosea (yellow/cream)*. HOLLYHOCK. Bien. Sun. 2 x 2'; to 6 or 8' in bloom. Summer.
239-A wonderful soft yellow, single flower for the summer garden. Germ: NST. *Doering*.
- 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*.
- All4900** *Allium fistulosum (Nebuka, Japanese Bunching Onion)*. PerBulb. Sun/PtShade. 24 x 18"; to 12" in bloom. Early Summer.
199-White flowers. An edible Japanese perennial. Use stalks like small leeks, young leaves like chives, bulbs like small onions. Pretty, too. *Cresson*.
- 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*.

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

522-Rose-purple flowers. Lovely July-August bloomer. Front of border. *Kushner*.

2294-Lavender flowers, hardy bulb. *Squitiere*.

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*.

All8200 *Allium trioccum*. RAMP, SPRING ONION, WILD LEEK. Bulb. Shade/PtShade. 8". Summer. Zone 3–7.

703-White blooms. Perennial bulb. Native. Edible. *Ondra*.

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

199-Late summer clumps of white flowers are most welcome, but deadheading the overly fertile seeds is well advised. Or, you can saute the tender young flower stalks. A useful oriental vegetable. *Cresson*.

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

1684-White blooms. *Broekhuis*.

2294-White blooms. Deadhead to help control reseeding. *Squitiere*.

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*.

Alt1100 *Althaea cannabina*. Per. Sun. 7 x 2–3'. Late Summer–Fall.

118-Germ: Scfy; BC; W; 3 mo. *Stonecrop Gardens*.

Ama1040 *Amaranthus caudatus* 'Green Tails'. GREEN LOVE LIES BLEEDING. An. Sun. 3–4' x 2'. Summer–Fall.

951-Pale green blooms. Germ: BH, BC. *Tracey*.

Ama1090 *Amaranthus cruentus* 'Hot Biscuits'. PRINCE'S FEATHER. An. Sun. 4–5'. Summer–Fall.

2294-Bronze blooms. Annual, nice for fall color. Germ: SIS. Direct sow after frosts. *Squitiere*.

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

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*.

Amo3250 *Amorpha canescens*. LEADPLANT. Shrub. Sun/PtShade. 3 x 5'. Summer–Fall.

199-Purple blooms. Deeply rooted plants with hairy gray foliage tolerate sun and drought with ease. Dense racemes of tiny purple flowers in early to mid summer. *Cresson*.

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

1277-Pale blue flowers. Threadlike foliage turns butter yellow in fall. *Haas*.

2294-Light blue blooms. Soft wands of foliage. Plant where you can brush against it. Fantastic fall color. *Squitiere*.

2429-Blue flowers. Bright gold fall color. Germ: CMS: 90 d. *Bricker*.

3006-Native perennial, 3 x 2'. Lovely spring thru early winter. Pale blue flowers. Several years to reach its full potential. *Mayer*.

Ams0250 *Amsonia illustris*. OZARK BLUE STAR. Per. Sun/PtShade. 4' x 18". Late Spring–Early Summer.

1684-Clusters of powder blue, starry flowers in May, over a dense mound of shiny willowy leaves. Yellow fall color. Germ: CMS: 45 d; BH. *Broekhuis*.

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

3006-Light blue blooms. Beautiful shrub-like habit. Native. Leaves do not turn yellow-olive until mid-November. Germ: OS; SIS. *Mayer*.

Ane0030 *Anemone altaica*. Per. PtShade. 18".

2137-White blooms. A rare windflower found in forests, scrub, streamsides in China, Russia and Romania. Similar to the common *Anemone nemorosa* but thicker and flowers have blue-violet veining on white tepals. Trifoliate, dark green leaves in whorls of three on plants to 8" tall are delightful. Germ: W; 90 d. Sow immediately. The viability of these seeds is short or the species propagates best with fresh seed. Stored seed might be coaxed into germination with temperature cycling and patience. *Boylan*.

Ane1050 *Anemone hupehensis*. Per. Sun/PtShade. 3 x 1½'. Summer–Fall.

1939-Light rose pink flowers that are darker on the back side. 2–3'. Germ: BH. If no germination in 2–4 wk, move to cold 24–39°F for 2–4 wk and then WMS. *Urffer*.

Ane5500 *Anemone sylvestris*. SNOWDROP ANEMONE, WOOD ANEMONE. Per. PtShade. 6 x 12"; to 18" in bloom. Spring.

5024-Early bloomer, nodding white flowers, dense foliage, ground cover. Spreads by stolons. Germ: CMS: 30 d; BH; SS; 20 d. *Iroki Garden*.

Ane9500 *Anemonopsis macrophylla*. FALSE ANEMONE. Per. PtShade. 2½ x 1½'. Summer.

118-Pale lavender blooms. A Japanese aristocrat. Handsome, glossy, dissected foliage. Late-season, nodding, waxy, pink-purple, anemone-like flowers. Wonderful in a woodland setting. Partial shade. Germ: C; L; SR. *Stonecrop Gardens*.

Anethum graveolens – *Argemone polyanthemus*

Ane9800 *Anethum graveolens*. DILL.

2294-Yellow flowers. Annual herb, 3'+/-, bees, butterflies, host plant for swallowtails. *Squitiere*.

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

558-Purple blooms. Bees love this tall biennial for part shade. Easy germination. Germ: SIS, NST. *Lewis*.

2294-Purple bloom. Tall, 4–5' perennial. Late season bloom. *Squitiere*.

2937-Big and bold with dark purple flowers which the bees and wasps love. Will take 2–3 yr to reach blooming size and will likely die afterwards. *Bittmann*.

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*.

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

703-Dainty white flowers in midsummer. *Ondra*.

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

703-White blooms on perennial. Dark foliage. Germ: Self sows. *Ondra*.

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*.

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

592-Spring/fall mix of good colors. Bushy, volunteering when it came, undiminished three 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*.

Api1000 *Apios americana*. GROUNDNUT, POTATO BEAN. PerVine. Sun/PtShade.10'. Summer. Zone 3–7.

269-Maroon and cream blooms. This is a vigorous native vine that can reach 10' and cover nearby shrubs, a nitrogen-fixing legume. Prefers rich, moist soil and best used in natural areas where it can spread at will (it typically is found on the banks of creeks and rivers). It could also be trained up a sturdy trellis or allowed to climb over very vigorous shrubs. The ½" flowers are pea-shaped and are borne in clusters that resemble 2–3" long wisteria blossoms. The tubers are edible. Germ: 10–30 d. Sow seeds in individual pots, and pinch them back when stems begin to elongate. *Ellis*.

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

507- Small with pendant, dark blue blossoms. Very nice. *Kolo*.

926-Deep blue flowers. Original seed from Switzerland forty years ago. Other columbines have come and gone, but this one has persisted for many years. Self-sows. *Streeter*.

1017-Fantastic large cobalt-blue flowers. Short lived, but seeds freely. A very nice columbine. *Whitesell*.

Aqu1270 *Aquilegia* 'Blue and White'. COLUMBINE. Per. Sun/PtShade.1½–2 x 1–1½'. Spring.

522-Blue and white flowers on a tall, long-blooming columbine notable for its sticky stems. *Kushner*.

Aqu2500 *Aquilegia flabellata* 'Nana Alba'. Sun/PtShade. 8 x 8". Summer.

507-Milky white flowers. Good glaucous, blue-green foliage. Self-sows moderately and comes true. Germ: CMS. *Kolo*.

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

84-Double white flowers, comes true from seed. Two feet perennial for partial shade. *Bowditch*.

554-Yellow and red blooms. Similar to *A. canadensis* except much taller Germ: W; SIS, NST. *Levine*.

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.

199-White, pink, blue, purple flowers. A dependable classic garden plant for May bloom. *Cresson*.

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*.

Aqu5929 *Aquilegia vulgaris* (pink). COLUMBINE. Per. Sun/PtShade. 12 x 12; to 2' in bloom. Late Spring–Early Summer.

522-Pink flowers. Gray-green foliage with short-spurred pink flowers. Lovely old-fashioned plant that gently self-sows to form colonies. If isolated, keeps true to color. Germ: CMS; W; or SIS. *Kushner*.

Aqu5950 *Aquilegia vulgaris* var. *stellata* 'Nora Barlow'. COLUMBINE. Per. Sun/PtShade. 2 x 1½'; to 30" in bloom. Spring–Early Summer.

507-Pink. Probably 'Nora Barlow'. Very nice. Germ: CMS. *Kolo*.

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 on 6–10' tall plants. *Plant Delights*.

Arg2250 *Argemone polyanthemus*. PRICKLY POPPY, COWBOY'S FRIED EGG. An. Sun. 2½ x 1'. Summer–Fall.

446-White flowers. Beautiful, 3", poppy-like blooms. Don't plant in too rich soil. Germ: C, 6–8 wk, then W. *Humphrey*.

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*.

Ari2010 *Arisaema flavum*. Per. PtShade. 18". Summer.

208–Yellow bloom. *Dahlke*.

Ari2500 *Arisaema heterophyllum*. COBRALILY. Per. PtShade. 2–3½ x 1'. Spring.

199–One of the easiest species to grow. Leaves divided into more than a dozen narrow segments. Typical jack-in-the-pulpit flower. Red fruit along with yellow fall foliage. *Cresson*.

208–*Dahlke*.

1607–Distinctive horseshoe leaf with unusual green and purple-tinged pitcher (spathe) with a 12" long tongue (spadix). Germ: Refrigerate seed until sowing. *Jellinek*.

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*.

Ari3050 *Arisaema ringens*. Per. PtShade/Shade. 2 x 4'.

199–A remarkable Japanese cobra-lily with closed hooded flowers, in early spring. *Cresson*.

Ari4010 *Arisaema sikokianum*. Per. PtShade/Shade. 1½–2½'. Spring.

199–*Cresson*.

Ari4040 *Arisaema triphyllum*. Per. Shade. Spring.

1607–Pale green with burgundy stripes. Native Jack-in-the-Pulpit. Germ: Refrigerate seed until sowing. *Jellinek*.

Ari7100 *Aristolochia debilis*. MADOU LING DUTCHMAN'S PIPE. TenVine. PtShade. 15'. Summer. Zone 10a–11.

32–Small, purple, trumpet-shaped flowers on 13' tall vine. *Plant Delights*.

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

269–Yellow and brown blooms. This species bears dark green, heart-shaped, 1½–2" leaves with silver veins on stems that sprawl to 2'. Overall height is perhaps 6". Yellow and brown, 1", Dutchmen's pipe flowers with fringed margins appear all summer. It is an interesting container plant that cascades, and plants can be overwintered in a cool basement or garage. (They die back to a potato-like base.) Zones 7a to 11, plants can be used as a ground cover. Pipevine swallowtails will lay eggs on this species, and larvae can nearly defoliate it, but it comes back. Germ: Soak: 48 d; BH, BC; 90 d. *Ellis*.

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. *Malocsay*.

Arm6000 *Armeria welwitschii*. THRIFT. TenPer. Sun/PtShade.

1684–Pink blooms in spring. Sends up numerous flowering stems from a substantial tuft of strappy leaves. Soft-pink button flowers appear over several weeks in late spring. Semi-evergreen, turning purplish in winter. The species name may be incorrect (as some references rate *A. welwitschii* hardy only to zone 8, and my plants have survived zone 6 winters without a problem), but it's a nice plant regardless of its name. Germ: W; 10 d. If last year's experience is representative, only a small fraction of seed particles will be viable. Start plenty and you'll have a good crop of seedlings. *Broekhuis*.

Aro1050 *Aronia arbutifolia* 'Brilliantissima'. Shrub. 6–8'. Late Spring.

1277–White flowers. Stunning fall color and colorful red berries. Germ: CMS 3 mo. *Haas*.

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*.

Aru3500 *Aruncus dioicus*. GOAT'S BEARD. Per. Sun/PtShade. 3½–4'. Summer. Zone 4–8.

1939–Fluffy white flowers. 8–12". Great for shade garden. Germ: BH: 75°F 2–3 wk. *Urffer*.

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

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

208–Yellow flowers. 36 x 6". Grow over wall or cascading down side of tall planters. Germ: Soak; W; 2 wk. *Dahlke*.

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

Asc0100 *Asclepias curassavica*. BLOODFLOWER, BLOODY MILKWEED. TenPer. Sun. 3–4 x 1–1½'. Summer–Fall.

1607–Red and orange yellow blooms. This milkweed attracts monarchs (both for the nectar and as a host plant) and other butterflies, hummingbirds, and many kinds of pollinators. Germ: W. Sow indoors about 2 months before last frost and transplant out after frost. *Jellinek*.

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

507A–Pink form. Monarch food. *Kolo*.

507B–White form. Monarch food. *Kolo*.

Asc2750 *Asclepias incarnata* 'Ice Ballet'. SWAMP MILKWEED. Per. Sun. 4 x 4'. Summer–Fall.

65–White flowers. *Berger*.

2515–White flowers. Great native perennial milkweed that loves wet sites. Food source for the larval stage of Monarch butterflies. *Doblmaier*.

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*.

Asclepias tuberosa – *Baptisia australis*

Asc4010 *Asclepias tuberosa*. MILKWEED, BUTTERFLY WEED. Per. Sun. 2–3 x 1–2'. Summer–Fall.

199 -Orange flowers. Not only does this perennial love heat, drought and sun, you can deadhead it repeatedly and it will repeat bloom all summer! *Cresson*.

200-Orange blooms. Tough native plant. Likes dry soils. Germ: SIS. *Creveling*.

554-Orange flowers. A great native plant, summer-blooming, much-appreciated by Monarch butterfly larvae. *Levine*.

Asc4200 *Asclepias tuberosa* 'Hello Yellow'. BUTTERFLY WEED. Per. Sun. 2–3 x 1–2'. Summer–Fall.

200-Yellow blooms. Likes dry soil. *Creveling*.

2515-A great milkweed with yellow flowers. I have mine placed near a violet-flowered veronica—what a statement that made! Loves dry soil. *Doblmaier*.

Asi1050 *Asimina triloba*. PAWPAW TREE. Shrub/Tree. Sun/PtShade. 20 x 20'. Spring.

2429-Maroon flowers. Small, native tree with edible fruit, tropical foliage. Germ: CMS: 90 d. Long taproot. Seedlings emerge mid to late summer. *Bricker*.

Asp0050 *Asparagus asparagoides*. AFRICAN ASPARAGUS FERN, BRIDAL CREEPER. Per. 10'

32-Minimal, white-yellow-green flowers, 10'. *Plant Delights*.

Asp4500 *Asphodeline lutea*. YELLOW KING'S SPEAR. Per. Sun. 4–5'. Spring/Early Summer.

507-Eventually makes a group, very beautiful in bloom. Tends to almost disappear in late summer. From UK seed. *Kolo*.

2937-Nice gray clumps of thin foliage topped by spikes of yellow flowers in early summer. *Bittmann*.

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*.

Ast1200 *Aster cordifolius*. BLUE WOOD ASTER. Per. PtShade. Late Summer–Fall.

2294-Blue flowers. Perennial 3' high in bloom (October), tolerates extreme dryness. Great for informal/wilder areas of the garden. *Squitiere*.

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*.

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*.

2429-*Bricker*.

Ast4100 *Aster novae-angliae*. NEW ENGLAND ASTER. Per. Sun. 3 x 2'. Fall.

2294-Variable pink, lavender flowers. Fall bloom, gets large, best for relaxed areas instead of controlled beds. Cut stems in half before July 4. Germ: Sow @ 68°, slow to germinate. Will bloom first year from seed. *Squitiere*.

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*.

Ast5600 *Astilbe biternata*. FALSE GOAT'S BEARD. Per. PtShade/Shade. 2 x 2'; to 3' in bloom.

199-Native to our Southeastern states, this species produces a loose plume of white flowers, perfect for a naturalistic effect. Only native species. *Cresson*.

2137-White blooms. This native astilbe more closely resembles an aruncus with large astilbe-like foliage, topped with tall spikes of whitish flowers in late spring...a great backdrop in the woodland garden. Germ: W; SS; 90 d. *Boylan*.

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*.

Ast5830 *Astilbe* 'Fanal'. Per. 18 x 12". Summer.

208-Crimson flowers. Clump forming. Dark green foliage. A favorite. *Dahlke*.

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*.

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

199-White blooms. A woody shrub in the daisy family with heads of fluffy white flowers in late summer. Takes poor soils in sun to part sun. To 10' or treat as cut back shrub. *Cresson*.

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*.

1277-Blue flowers. *Haas*.

Bap2400 *Baptisia perfoliata*. CAT'S BELLS, PERFOLIATE-LEAVED BAPTISIA. Per. Sun. 3 x 2–3'. Spring. Zone 6a–9b.

1999-Yellow flowers, blue-gray "eucalyptus-like" foliage collars the stem. Dry for arrangements. Germ: Soak: 12 hr. Put seed in HOT water, leave overnight. *Norfolk Botanical*.

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

703-Yellow blooms on perennial. Seed collected from 'Screamin' Yellow'. *Ondra*.

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

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*.

1684-Attractive foliage through summer, with a great display of pendulous pink flowers from late summer into fall. Germ: L. *Broekhuis*.

2294-Pink flowers. Great shade perennial ground cover, blooms mid-late summer. *Squitiere*.

2483-Pink flowers, 2'. Very shade tolerant. Germ: OW; SS. Self-sows, protect from deer. *Barrett*.

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

2294-Drooping clusters for white flowers. Easy to grow, will naturalize, black walnut tolerant, good deciduous ground cover. *Squitiere*.

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*.

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

1607-Yellow with brown eye, chocolate-scented daisy-type flowers, bloom at night—fragrance best in the morning before flowers close. Well-drained soil, full sun. Attracts beneficial insects. SW native wildflower. *Jellinek*.

Bet0300 *Betula lenta*. SWEET BIRCH. Tree. Sun/PtSun. 40–55'. Zone 3+.

1639-Attractive shiny reddish-black bark. Horizontal lenticels resemble cherry bark. Twigs, when scraped, smell of wintergreen (and an original source of wintergreen oil). Leaves used by native solitary bees. Collected from the Arboretum of the Barnes Foundation. Germ: CMS: 30 d, BC. *Bobb*.

Bid0300 *Bidens aristosa*. TICKSEED SUNFLOWER. An. Sun. 1–4'. Late Summer.

1277-Yellow flowers. I spread the seeds where I want them in late winter. Will self-sow. Wonderful wild garden background plant. Prefers wet soil, but grows anywhere. Can be cut back to keep plants shorter. *Haas*.

Boe0150 *Boehmeria sieboldiana*. SIEBOLD'S FALSE NETTLE. Per. Sun/PtShade. 3–5'. Midsummer. Zone 7–10.

3001-Asian herbaceous perennial, relative to our stinging nettle, though this one doesn't sting. To 5–6'. Nice texture in the shade garden. Can take sun. Part shade to shade gives dark green leaves. Hardier than the zone 7 usually given to it. Will self-seed, but not aggressively so. Germ: NST. *Gregg*.

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*.

Bol1700 *Boltonia decurrens*. DECURRENT FALSE ASTER. Per. Sun. 4–6'. Fall.

522-Planted in the right place, this 4–6' boltonia is a stunner. Full Sun. Good moisture. Native. Source: Niche Gardens. *Kushner*.

Bou4000 *Bouteloua curtipendula*. SIDE-OATS GRASS. Per. Sun. 8 x 12"; to 30" in bloom. Summer–Fall.

2429-*Bricker*.

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

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

318-Blue flowers. Self-sows. Germ: NST; W; SIS. *Garnett*.

446-Blue flowers with white eyes. Beautiful planted with and around pink multiflowered, everblooming rose. *Humphrey*.

2294-Dark blue flowers. Weaver, dainty, sweet. Seeds around politely. Germ: NST. *Squitiere*.

2481-Blue blooms on tender perennial that is most adaptable. Up to 18" tall for me and bushy. Start indoors. *Vukich*.

2515-Dainty blue flowers. Blooms all summer long. Germ: NST. *Doblmaier*.

2937-Blue blooms. The tiny seeds look intimidating, but it's an easy plant to grow. Small blue flowers keep coming all summer. *Bittmann*.

Bro2050 *Browallia speciosa*. An. Sun/PtShade. 2 x 2'. Summer–Fall.

2483-Blue flowers. These seeds came from the cultivar 'Blue Bells'. Bloomed all summer up to frost in ¾ shade, and compared to other flowers in the vicinity, seemed immune to critters. Lovely with the black-maroon of coleus 'Black Dragon'. Although recommended as a houseplant, this plant grew as an edging in a shady part of our garden and was a welcome substitute for *Impatiens walleriana*. It did not require artificial watering. Germ: L; SS. *Barrett*.

Bupleurum griffithii – *Canna*

Bup1100 *Bupleurum griffithii*. THROUGHWAX. An. Sun./PtShade. 30 x 12". Summer.

1684-Yellow flower. Grown mostly for the way its leaves neatly hug the stems—used in floral displays. Germ: NST; W; 1–2 wk. May be best SIS, but will work sown indoors as well. *Broekhuis*.

3262-Yellow flowers. *Grindrod*.

Cal1100 *Calendula officinalis* ‘**Resina**’. HIGH RESIN POT MARIGOLD. An. Sun/PtShade. 1–2 x 1–2'. Spring. Zone 2–11.

2481-Yellow or orange blooms. Newer variety claiming to have a higher resin content. *Vukich*.

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

45-Purple. 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: NST. Easy. *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. Easy to germinate and grow. Comes true from seed for me. *Bartlett*.

Cal2550 *Callicarpa dichotoma* ‘**Issai**’. BEAUTYBERRY. Shrub. Sun/PtShade. 4–5 x 4–5'. Summer.

1277-Pale pink flowers. *Haas*.

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*.

Cal3260 *Callirhoe involucrata* var. *tenuissima*. MEXICAN WINE CUPS, POPPY MALLOW. Per. Sun. 6–12" x 3'. Late Spring–Fall. Zone 4–9.

32-Light lavender to purple blooms. *Plant Delights*.

Cal3280 *Callirhoe involucrata* ‘**Logan Calhoun**’. WHITE WINE CUPS. Per. Sun. 1 x 3'. Spring–Summer. Zone 4a–9b.

32-White flowers. Clumping ground cover. *Plant Delights*.

Cal4100 *Caltha palustris*. YELLOW MARSH MARIGOLD, KINGCUP. Per. PtSun/PtShade. 10–12 x 12–18". Early Spring. Zone 3–7.

199-Yellow blooms. Our native wild flower for damp places. Cheery spring bloom. *Cresson*.

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

199-Yellow blooms. Truly remarkable Caucasian species for its lush bold appearance, 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*.

Cal4200 *Calycanthus chinensis* (syn. *Sinocalycanthus chinensis*). SWEETSHRUB. Shrub. 10'.

2685-White blooms with yellow. *Hurewitz*.

5024-White/pink blossoms with yellow centers. Deciduous shrub, up to 10', waxy, camelia-like flowers and large, glossy leaves. Very interesting seedpods. Germ: Scfy; BH; BC; 40 d. *Iroki Garden*.

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

2685-Dark red blooms. *Hurewitz*.

Cal4350 *Calycanthus floridus* ‘**Hartlage Wine**’ (syn. *Calycanthus x raulstonii*). SWEET SHRUB. Shrub. Sun/PtShade. 8–10 x 6–8'. Zone 5–8.

2294-Purple/violet flowers. Strawberry-scented, spring-blooming shrub. *Squitiere*.

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

199-Light blue flowers in May. Beautiful foliage. Native to the west. Interplant with daffodils. Evenly moist soil, tolerates very wet clay, but grows anywhere soil is moist until June. *Cresson*.

Cam1000 *Camellia* ‘**Survivor**’. FALL-BLOOMING CAMELIA. 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*.

Cam1800 *Campanula carpatica* ‘**White Clips**’. CARPATHIAN HAREBELL, TUSSOCK BELLFLOWER. Per. Sun/PtShade. 4–6 x 6–8". Summer. Zone 3–8.

3262-White flowers. *Grindrod*.

Cam4150 *Campanula latifolia* var. *macrantha*. Per. Sun/PtShade. 3 x 2'. Summer.

1684-Blue flowers. Taller (3–4') than most bellflowers, with rich-blue flowers in early summer. Germ: W; NST. *Broekhuis*.

Cam4500 *Campanula persicifolia*. PEACH-LEAVED BELLFLOWER. Per. Sun/PtShade. 1 x 1'; to 1–3 in bloom. Summer.

1585-Blue flowers. *Scofield*.

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

1585-Blue flowers. Upright plant. Blooms for several weeks starting in midsummer. *Scofield*.

Cam7010 *Campyloptropis macrocarpa*. Shrub. Sun/PtShade. 4 x 3'. Summer.

1277-Purple flowers. Plant is worth growing for late summer-fall color. Delicate spring lespedeza-like leaves. New leaves have coppery color. *Haas*.

Can5100 *Canna* × *generalis*. An. Sun. 3–6'.

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

Can5300 *Canna* hybrid. CANNA LILY. TenPer. Sun/PtSun. 4 x 2'. Summer–Fall.

208-Yellow flowers, to 2'. *Dahlke*.

- 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.
2517–Grown for foliage and fruit/small pepper not flowers particularly. Black leaves with small, round, hot, black fruit maturing to red. Annual. Germ: NST. *Weaver*.
- Cap1300** *Capsicum annuum* ‘**Calico**’. ORNAMENTAL PEPPER. An. Sun. 12–18 x 12–16".
2517–Grown for foliage and fruit. Creamy white leaf variegation with purple tinges. Small black fruit on purple stems. Annual. Germ: NST. *Weaver*.
- Cap1350** *Capsicum annuum* ‘**Chilly Chili**’. ORNAMENTAL PEPPER. An. Sun. 12 x 12–15". Summer–Fall.
2517–Grown mostly for attractive 2–2½" tapering fruit. Fruit begins greenish yellow, gradually turning orange and maturing to red. Annual. Germ: NST. *Weaver*.
- Cap1700** *Capsicum annuum* ‘**Masquerade**’. An. Sun. 10–12". Summer/Fall.
2937–Two-inch, upright peppers turn from green to purple then yellow, orange, and finally red. All parts of the pepper are hot. A careless seed collector will quickly find this out. *Bittmann*.
- Cap2100** *Capsicum annuum* ‘**Purple Flash**’. ORNAMENTAL PEPPER. An./TenPer. 18–24 x 18". Summer–Fall.
2515–Light purple blooms. This ornamental pepper has purple and white-splashed leaves. Peppers are edible and hot. Start 6–8 wk before transplanting, just like any other edible pepper. *Doblmaier*.
- Car0120** *Cardiocrinum cordatum*. Bulb. PtShade. 3–4'. Late Summer.
703–White bloom from perennial bulb. *Ondra*.
- Car0200** *Cardiocrinum giganteum*. GIANT LILY, HIMALAYAN HEART LILY. Bulb. PtShade. 5–6 x 1'. Summer.
1003–According to Alan Armitage, “The flowers resemble tree lilies, but the leaves are heart-shaped.” The shoots grow and die to the ground every year and may take up to 5 yr to flower. (It did.) Grow in semi-shade. It was gorgeous. Germ: CMS. *Wells*.
- Car2450** *Carex grayi*. BUR SEDGE. Grass. PtShade/Shade. 2–3'.
1684–Lax-leaved evergreen sedge, with spikey green balls as flowers. Germ: OW. *Broekhuis*.
- 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*.
1684–Dark tan flowers. Branching flowering stalks appear as little palm trees. We grow a row of them as a dense, low green hedge. The seed heads dry to dark tan in midsummer. Germ: NST; W. *Broekhuis*.
- ***** *Cassia marilandica*. See: *Senna marilandica*.
- Cel0390** *Celosia argentea* (Cristata Group). An. Sun. Summer.
215A–Orange blooms. Tall 3–5'. *DeMarco*.
215B–Red blooms. Tall 3–5'. *DeMarco*.
- Cel1010** *Celosia argentea* (Spicata Group) ‘**Flamingo Pink**’. An. Sun. Summer–Fall.
2294–Pink flowers. Tall, vertical, back of the border. Seeds around. Do not pinch for fullness. Dried flowers. Germ: NST. *Squitiere*.
- Cen2200** *Centaurea montana*. MOUNTAIN BLUET, PERENNIAL CORNFLOWER. Per. Sun/PtShade. 1½ x 2'. Summer.
199–Purple flowers. *Cresson*.
- Cen2250** *Centaurea montana* ‘**Amethyst in Snow**’. MOUNTAIN BLUET, PERENNIAL CORNFLOWER. Per. Sun/PtShade. 12–24 x 9–24". Early Summer. Zone 3–7.
199–White/purple blooms. Deadhead for repeat bloom into midsummer. *Cresson*.
- Cen5700** *Centratherum punctatum*. BRAZILIAN BACHELOR’S BUTTON, BRAZILIAN BUTTON FLOWER, LARK-DAISY. TenPer. Sun. 20 x 15". Summer–Fall. Zone 9–11.
627–This plant germinated from HPS seed that I received in 2013, and I had several plants. Only one survived the last two winters. The flower is a lovely purply-blue. *McShane*.
- Cep0550** *Cephalanthus occidentalis*. BUTTONBUSH. Shrub. 3–6'. 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, 14 d. *Doering*.
1277–White blooms on shrub. Loves sunny wet areas but takes some shade. Germ: CMS: 90 d. *Haas*.
- Cep0700** *Cephalanthus occidentalis* ‘**Sputnik**’. BUTTON-BUSH. Shrub.
2294–White blooms. Shrub, native for sunny wet areas, 6–10' tall x wide. *Squitiere*.
- Cep1250** *Cephalaria gigantea* (syn. *C. tartarica*, *Scabiosa gigantea*). GIANT YELLOW SCABIOSA. Per. Sun/PtShade. 3 x 3'; to 7' in bloom. Summer.
1527–Yellow flowers. Plant in fertile, moist, well-drained soil. Germ: NST. *Felton*.
- Cer1300** *Ceratotheca triloba*. SOUTHAFRICAN FOXGLOVE. An. Sun. 4–6 x 2½'. Summer–Fall.
590–Pale mauve blooms. Good clean foliage, good flowers, interesting seed capsules. Germ: NST; W, 7 d. *Mahony*.
2515–*Doblmaier*.
- Cer1310** *Ceratotheca triloba* ‘**Alba**’. AFRICAN FOXGLOVE, SOUTH AFRICAN FOXGLOVE. An. Sun. 15–18". Summer.
2515–Beautiful white flowers that resemble foxglove flowers. Germ: BH; NST. *Doblmaier*.
- Cer2050** *Cercis canadensis*. EASTERN REDBUD, JUDAS TREE. Tree. Sun/PtShade. 30 x 30'. Spring.
1277–Pink-lavender flowers. Germ: CMS 3 mo. *Haas*.
2294–Lavender blooms on a native small tree. *Squitiere*.

Cercis canadensis 'Appalachian Red' – *Clematis* 'Lemon Beauty'

Cer2060 *Cercis canadensis* 'Appalachian Red'. REDBUD. Tree. 20–25'.

2515-Magenta blooms. This cultivar has some of the brightest flowers of any redbud. 20–25' tall. Germ: Scfy; CMS: 90 d. *Doblmaier*.

Cer2200 *Cercis canadensis* 'The Rising Sun'. EASTERN REDBUD. Tree. Sun/PtShade. 12'. Spring. Zone 6–8.

627-I have no idea of whether this seed will be viable or not. However, this tree was the one thing in my garden that drew the most admiring remarks during a local church garden tour here in June! Germ: CMS, Scfy; SR. *McShane*.

Cha0300 *Chaenomeles speciosa* 'Contorta'. CONTORTED FLOWERING QUINCE. Shrub. Sun/PtShade. 3–4 x 3–4'. Spring.

3001-White, pink flowers. Approximately half of seedlings will show some degree of contortion. Parent non-aggressive. Nice accent plant, winter interest. Germ: CMS: 60 d, then warm. *Gregg*.

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*.

Cha0500 *Chaenomeles* × *superba* 'Cameo'. QUINCE. Shrub. Sun. 4 x 4'. Zone 4–8.

3001-Double peach blooms. Seed from 'Cameo', a medium-sized double peach, abundant fruit, and one of the only quinces that's thornless. Give it room, as it will spread with time. Germ: CMS: 60 d. *Gregg*.

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

1684-Flat panicles of seeds appear green in late summer, turn gold in fall. *Broekhuis*.

***** *Cheiranthus* × *allionii*. See: *Erysimum allionii*.

Chi1220 *Chionanthus virginicus*. FRINGE TREE, OLD MAN'S BEARD. Tree. Sun/PtShade. 10 x 10'. Spring.

45-White blooms on a southeast PA native. One of our best native flowering trees. Be patient. Germ: Cycle; OW; 2 yr. Seed is hard coated, probably needs time to grow. *Bartlett*.

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

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

Cla1000 *Claytonia virginica*. SPRING BEAUTY. Per. Sun/PtShade. 6–9 x 6–9". Spring. Zone 3–8.

3177-Gibson.

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

200-Lavender blooms on native, shrubby vine to 3'. *Creveling*.

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*.

Cle0440 *Clematis alpina* 'Blue Dancer'. ALPINE CLEMATIS. Vine. Sun/PtShade. Spring.

199-Purple-blue blooms. Charming early nodding flowers on old wood. Give it a space of its own on a wall or fence. *Cresson*.

Cle0600 *Clematis* 'Betty Corning'. Vine. Sun/PtShade. 8–10'. Late Spring/Early Summer. Zone 3–9.

2294-Light blue blooms. Viticella Group. *Squitiere*.

Cle0700 *Clematis* 'Buckland Beauty'. Vine. Sun-Shade. 6–8'. Summer-Fall. Zone 4–9.

2294-Pink bells. *C. texensis* and *C. pitcheri* lineage. A climber. *Squitiere*.

Cle0850 *Clematis campaniflora*. Vine. Sun. 6–20'. Summer.

199-White flowers, tinted pale lilac. Masses of small viticella-like flowers in June and July. *Cresson*.

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

32-Small, dangling bell-shaped, purple with white flowers, 10'. *Plant Delights*.

Cle2300 *Clematis* 'Dawn'. Vine. Sun/PtSun. 4–6' x 4–6'. Summer-Fall. Zone 4–8.

2294-Light pink blooms. Beautiful May flower, group 2. Seeds won't be true. *Squitiere*.

Cle2420 *Clematis* 'Etoile Violette'. PerVine. Sun/PtShade. 10–12'. Late Spring-Early Fall. Zone 4–8.

200-Dark purple blooms on perennial vine. Viticella group, semi-woody, 10–12'. *Creveling*.

Cle3300 *Clematis* 'Gravetye Beauty'. Vine. Sun. Summer.

2137-Red blooms. Each miniature tulip-like flower is borne on a long stem and consists of 4–6 rich deep red tepals opening to a striking star shape. *Clematis* 'Gravetye Beauty' is best grown through ground covers, vertically in shrubs, or on a tuteur. Spectacular classic variety. Germ: Cycle: Sow @ 68°F for 6 wk, then place @ 40°F for 6 wk, then slowly raise temperature to 50°F for 6 wk. If there is no germination, repeat the cycle. This mimics fall sowing outdoors for spring germination. Remove tails as they inhibit germination. *Boylan*.

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. Sun. *Cresson*.

Cle3600 *Clematis heracleifolia*. TUBE CLEMATIS. Per. Sun/PtShade. 2½ x 3'. Summer.

2137-The small, blue, fragrant, tubular flowers appear in late summer and grow in clusters at the tips of the stems. The fluffy seed heads follow the flowers and are an added attraction. *Boylan*.

Cle3850 *Clematis ianthina* 'Josie's Midnight Blue'. PerVine. Sun/PtShade. 3–5 x 2–3'. Summer. Zone 3–9.

2137-Dark purple bloom. Selected form of *Clematis ianthina*. *Boylan*.

Cle3900 *Clematis integrifolia*. SOLITARY CLEMATIS. Per. Sun/PtShade. 2–3 x 2'. Summer.

208-Nonclimber with solitary, bell-shaped, mid-blue flowers followed by silver brown seed heads. Germ: NST; 28 d. *Dahlke*.

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*.
- Cle5080** *Clematis My Angel*®. Per. Vine. Sun. 15–20'. Summer–Fall. Zone 4–9.
2294-Orange and yellow minibell blooms. Reportedly a cross of *C. orientalis* var. *orientalis* and *C. intricata*. Group 3, 6–9' climber. Seeds of this probably won't be true, but who knows what may come! *Squitiere*.
- Cle5350** *Clematis pitcheri*. LEATHERFLOWER, BLUEBELL. Vine. PtShade. 10'. Summer.
2137-Purple blooms. *Clematis pitcheri* is a little known but fabulous native vine, ranging from Iowa south to Texas. The scrambling 6' tall vine, with opposite trifoliate leaves, mingles unobtrusively through shrubs or small trellises. The dainty, pendent, purple bell-shaped flowers with recurved tips adorn the vine from mid-May through September. *Clematis pitcheri* is also a good hummingbird haven. Germ: Cycle: Sow @ 68°F for 3 mo, then place @ 20°F for 3 mo. Remove tails as they inhibit germination. *Boylan*.
- Cle5360** *Clematis pitcheri* hybrid. LEATHERFLOWER, BLUEBELL. Vine. PtShade. 10'. Summer.
2294 -Little purple bells, recurved tips, plant from Dan Long of Brushwood. Native, summer to hard frost, 10' climber. *Squitiere*.
- Cle5450** *Clematis recta*. Shrub. 5'. Zone 3–7.
1580-Medium to light blue blooms. This heavily textured flower is approx. 1½" in diameter and blooms over a long period. The plant is disease free. Germ: NST. *Romenesko*.
- Cle5620** *Clematis* 'Rooguchi'. Per. Vine. Sun/PtShade. 6 x 4'. Early Summer–Early Fall.
239-Plum to purple blooms. Long-blooming climber, June to October. Flowers are nodding and bell-like. Prune late winter or early spring. Blooms on new growth Germ: CMS, OW, SIS. *Doering*.
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.
1684-Small yellow flowers on late-blooming vining clematis species from China which are followed by a profusion of silvery mopyy seed heads. Germ: W; NST. *Broekhuis*.
2294-Yellow blooms. Summer perennial, climber 9', decorative seed heads, late summer. Looks nice next to perovskia. *Squitiere*.
- Cle5900** *Clematis stans*. Per. Sun/PtShade. 2 x 3'. Summer–Fall. Zone 5–10.
592-Light blue blooms. Bushing or sub-shrub type. First year seemed nondescript, second made it a keeper—gracefully lax, possibly more “visual” as seed heads develop. Bees love it. Foliage and seed heads are good bouquet structure. Germ: CMS: 30 d. *Malocsay*.
3001-Blue flowers. Bush-type, similar to *C. heracleifolia*, but more compact. Blue tubular flowers. Germ: CMS: 30 d, then warm. *Gregg*.
- Cle6150** *Clematis texensis*. SCARLET CLEMATIS, TEXAS CLEMATIS. Vine. Sun/PtShade. Summer–Fall. 15 x 1½'. Summer.
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. *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*.
- Cle6500** *Clematis viorna*. VASEVINE. Vine. Sun/PtShade. Summer.
45-Pink/purple, green, white flowers. Wonderful native clematis. Herbaceous climber to 6'. A great scrambler over a small shrub. Germ: 1 yr. Sow in gravel (grower grit for chickens). Seed germinates for me in 1 yr following a September/October scarifying. *Bartlett*.
2294-Purplish pink bells, but variable species in flower shape and color. A native southern US, 13' climber. *Squitiere*.
2429-*Bricker*.
- Cle6550** *Clematis viorna* 'Groometown Garnet'. AMERICAN VASEVINE. Vine. Sun/PtShade. 12'. Spring–Summer. Zone 6a–9a.
32-Small, bell-shaped, lavender with white flowers, 12' vine. *Plant Delights*.
- Cle6600** *Clematis virginiana*. VIRGIN'S BOWER. Vine. Sun/PtShade. 24 x 10'. Summer. Zone 3–8.
2294-White, late summer bloom, native, can grow to 20'. Vigorous, can be cut back in spring. I'm using as a ground cover over a new empty area. Shade tolerant. This is NOT *Clematis ternifolia*. *Squitiere*.
- Cle6650** *Clematis viticaulis*. MILLBORO LEATHERFLOWER CLEMATIS. Vine. Sun/PtShade. 15 x 18". Spring. Zone 4b–8b.
32-Cream blooms with purple blush on vines, 15 x 18" clumps. *Plant Delights*.
- Cle7300** *Cleome hassleriana*. SPIDER FLOWER. An. Sun. 5–6 x 3'. Summer–Fall.
308-Pink, rose flowers. From two distinct cultivars: pale pink and deep rose. Germ: BC; SR, NST. *Freeman*.
1020-Pink flowers. *Wiedorn*.
- Cle7350** *Cleome hassleriana* (mixed colors). SPIDER FLOWER. An. Sun. 24 x 40". Summer.
2294-Mixed flower colors. Reseeds abundantly. *Squitiere*.

Clerodendron trichotomum – *Corydalis*

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

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

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

2294-White blooms on a small, native tree. *Squitiere*.

Cle9200 *Clethra alnifolia*. SUMMERSWEET, SWEET PEPPERBUSH. Shrub. PtShade. 8 x 8'. Summer–Fall. Zone 3–9.

2294-White blooms. Shrub, early summer bloom, every bug in your yard will come to it. Fragrant. Unknown cultivar. *Squitiere*.

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

1277-Pink flowers. *Haas*.

Cle9300 *Clethra barbinervis*. JAPANESE CLETHRA. Shrub. Sun/PtShade. 15–20 x 10'. Summer.

1639-Deciduous shrub/tree with horizontally drooping, terminal racemes (4–6" long) of pleasantly smelling blooms in mid-late summer, when nectar and pollen sources are scarce for bees. Attractive to butterflies. Exfoliating bark provides year-round interest. Grow for bark, fragrance, and pollinator food source. Collected from the Arboretum of the Barnes Foundation. *Bobb*.

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.

951-White blooms with mauve speckles and stripes inside the cup. Easy to grow ornamental vine with edible tubers, said to have medicinal properties. Germ: W; BC; NST. *Tracey*.

1684-Green/purple blooms. Twining perennial vine that will climb fences or neighboring shrubs. Makes a mass of rounded leaves through summer, then produces an abundance of nodding flowers in late summer. The flowers are green on the outside—you have to inspect them up close to see the purple-red and speckled interior. Germ: L. *Broekhuis*.

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*.

Col1100 *Colchicum hybrid*. Per.

2937-Pink blooms. Seed from various garden hybrids in the pink range. *Bittmann*.

Col1860 *Colocasia gigantean* 'Laosy Giant'. LAOS GIANT ELEPHANT EAR. Bulb. Sun/PtShade. 8–10'. Late Summer. Zone 8–11.

32-White to yellow blooms on plant with leaves 9' tall. *Plant Delights*.

Con0700 *Conoclinium coelestinum*. BLUE MISTFLOWER. Per. Sun/PtShade. 24–36 x 6". Midsummer–Fall. Zone 5–8.

1580-Medium lavender flowers. Prefers full sun to part shade. Bloom from July until frost. Rhizomatous and quite prolific in time. Mine reaches 3' when searching for light. Nice weaver, pinch to maintain height and shape. Germ: NST. *Romenesko*.

Con1100 *Consolida ajacis* (blue) (syn. *C. ambigua*). LARK-SPUR. 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*.

215-Almost completely blue blooms. Germ: SIS. Also can be winter sown. *DeMarco*.

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

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*.

592-Gold blooms. Dainty airy see-through habit, 2' high. 2013–14 Seed Exchange discovery I plan to keep going. Germ: NST. *Malocsay*.

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*.

2294-Yellow blooms. Mid to late summer bloom. Perennial. Native: birds, bees, and butterflies. I cut the foliage back by half in June for shorter, less floppy plant. *Squitiere*.

Cor2600 *Cornus controversa*. GIANT DOGWOOD. Tree. Sun. 30–45'. Spring. Zone 5–8.

926-Creamy white blooms. From a trip to Quarry Hill Botanic Garden in CA. Germ: WMS: 5 mo, CMS: 3 mo. *Streeter*.

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

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

Cor5280 *Corydalis ochotensis*. Bien. Sun/PtShade. 3'. Summer–Frost.

703-Biennial. Yellow flowers with deep red markings appear from mid- or late summer to frost on 3–4' stems. Will self-sow. *Ondra*.

Cor5705 *Corydalis species*. Per. PtShade.

522-Pure white blooms. A lovely woodland corydalis that bulks up nicely if well sited. Paired with asarums makes a good front of border duo. A spring bloomer. *Kushner*.

- Cor5750** *Corylopsis glabrescens* var. *gotoana*. WINTER HAZEL. Shrub. Sun/PtShade. 8–15 x 8–15'. Early Spring. Zone 5–8.
2294-Yellow blooms. Winter blooming 8–15', mid-March to late April bloom, depending on weather, yellow blooming 'chains'. Full sun, part shade. *Squitiere*.
- Cor5850** *Corylopsis pauciflora*. BUTTERCUP WINTER HAZEL. Shrub. Sun/PtShade. 6'. Zone 6–9.
2294-Yellow flowers on early spring-blooming shrub. Native to Taiwan & Japan. *Squitiere*.
- Cor5990** *Corylopsis sinensis*. Shrub. Sun/PtShade. 10–15'. Early Spring. Zone 6–8.
2294-Yellow flowers on early blooming shrub. *Squitiere*.
- Cor6010** *Corylopsis sinensis* var. *calvescens* f. *veitchiana*. Shrub. Sun/PtShade. 8–10'. Early Spring. Zone 6–8.
2294-Yellow, early spring-blooming shrub. *Squitiere*.
- Cor7100** *Corylopsis spicata*. SPIKE WINTERHAZEL. Shrub. 4–10 x 8–12'. Spring.
2294-Yellow flowers on an early spring-blooming, medium to large shrub. *Squitiere*.
- Cos1400** *Cosmos bipinnatus*. COSMOS. An. Sun. 3–4'. Summer.
2294 -Pink blooms. Annual, tall. Birds love the seeds. *Squitiere*.
- Cos2500** *Cosmos sulphureus*. YELLOW COSMOS. An. Sun. 4 x 1½'. Summer–Fall.
817-The original wild type, 6–7' tall and blooming late in the season. Despite the specific epithet *sulphureus*, it is orange. Sow where it is to bloom. Reseeds reliably. *Ruhren*.
965-Strong orange-colored small flowers float above airy plants. Can bloom all summer. An easy, reseeding annual. *Umphrey*.
2294-Yellow flowers on annual cosmos. Germ: Direct seeding best. *Squitiere*.
- Cos2600** *Cosmos sulphureus* 'Cosmic Orange'. An. Sun. 2–3 x 2–3'. Summer–Fall.
627-Bright yellow-orange flowers. Self-sows. *McShane*.
- Cot0500** *Cotinus coggygria* 'Velvet Cloak'. PURPLE SMOKETREE. Shrub. Sun. 10–15 x 10–15'. Summer.
1277-Smokey pink flowers. Seedlings may not have purple foliage, but fall foliage is still gorgeous. *Haas*.
- 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*.
- Cra1250** *Crambe cordifolia*. Per. Sun. 8 x 5'. Spring–Summer.
951-White blooms. Bold, imposing plant with tall stems bearing multitudes of flowers. Happiest with good drainage and a lean soil. Germ: Scfy; C. Seed has erratic germination. Sow at 15°C (59°F) in spring or autumn. Remove outer seed casing to speed up germination, sow in pots, trays, direct sow or into a nursery bed. Use well-drained soil and sow seeds 12 mm (½") deep. Germination usually takes place in 3–5 wk at 15°C (59°F) but can be slow and irregular and can take a few months. *Tracey*.
- Cra1270** *Crambe maritima*. SEA KALE. Per. Sun. 2–3'. Late Spring/Midsummer. Zone 5–9.
951-White blooms. New shoots edible. Beautiful blue foliage. Large sprays of flowers in June/early July. Germ: Scfy; C. Seed has erratic germination. Sow at 15°C (59°F) in spring or autumn. Remove outer seed casing to speed up germination, sow in pots, trays, direct sow or into a nursery bed. Use well-drained soil and sow seeds 12mm (½") deep. Germination usually takes place in 3–5 wk at 15°C (59°F) but can be slow and irregular and can take a few months. *Tracey*.
- Cro1050** *Crococsmia 'Lucifer'*. Per. Sun. 3–4'; to 4½' in bloom.
1759-Red blooms. *Vernick*.
2294-Red blooms. Tall, sword-shaped narrow foliage, midsummer bloom, humming plant. Perennial. *Squitiere*.
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*.
- Cyc0700** *Cyclamen coum* (mixed forms).
45-Pink to white blooms. A wonderful plant for late winter, flowering February-March. Plant where you can see them. They may naturalize. Super foliage. Germ: Soak overnight; C; D; 180 d. Grow with grit/gravel. Transplant after dormancy. *Bartlett*.
199-Pink blooms. Seed from a fine plant with silver leaves and a green edge. Flowers in February to March. *Cresson*.
- Cyc1700** *Cyclamen hederifolium*. Per. Shade. 5 x 5". Fall.
45-Pink or white blooms. A truly wonderful fall blooming tuberous plant for dry shade. May naturalize. Germ: Soak overnight; C; D; 180 d. 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*.
- Cyc1800** *Cyclamen hederifolium* (silver leaves with pink blooms).
199-Pink blooms in fall with silver/pewter foliage. *Cresson*.
3321-'Silver Cloud'. Fall, pink blooms with silver leaves. Zone 5 hardy. Germ: Soak: 1 d; C, D. 90 d. *Perron*.
- Cyc1850** *Cyclamen hederifolium* (silver leaves with white flowers). Per. Shade. 5 x 5". Fall.
3321A-'White Cloud'. Fall, white blooms with silver leaves. Zone 5 hardy. Germ: Soak: 1 d; C, D. 90 d. *Perron*.
3321B-'Nettleton Silver'. White blooms with silver leaves. Zone 5 hardy. Germ: Soak: 1 d; C, D. 90 d. *Perron*.
- Cyc3020** *Cyclamen persicum* hybrid. FLORIST'S CYCLAMEN. TenPer. Bulb/Houseplant. Sun/PtShade. 6 x 12". Winter.
199-Pink blooms. Nonhardy species from Middle East that was the precursor to modern hybrids. Winter blooming and a good size for a cool windowsill. *Cresson*.
- Cyn2010** *Cynoglossum amabile*. CHINESE FORGET-ME-NOT. An. Sun/PtShade. 2 x 1'. Summer.
208-True blue flowers. Long blooming. Good pot plant. Germ: NST; 5 d. *Dahlke*.

Cynoglossum amabile – *Dianthus* ‘Feuerhexe’

Cyn2010 *Cynoglossum amabile*. (Continued)

2294-Blue flowers on summer-blooming annual. *Squitiere*.

Cyr6000 *Cyrtanthus hybrid*. LILY. TenBulb. 18". Winter–Early Spring.

386-A lovely, lovely thing, but NOT HARDY. I grow it in a large container, which is moved into an unheated, but fairly well-lit garage when frost threatens. First make sure the soil is moist, after which I do not water it again. It retains its foliage and starts to bloom late March or early April; it is then moved outside into a sunny place. It blooms for nearly two months and retains the neat foliage all year. It is almost 18" tall. My plants have a mix of yellow and orange flowers, this seed could be either or both. It produces copious amounts of seed. I use well-drained but moisture-retentive compost, such as Promix. It is ALMOST hardy in my Zone 7/8 garden, just not quite... *Harper*.

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

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 90 d; WMS 90 d; 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.

3321-White blooms very early in year, very fragrant. Germ: Scfy, Soak; R. 180 d. *Perron*.

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

199-Small insignificant flowers. Highly deer resistant evergreen *Rhododendron maximum*-like shrub. Tolerates dry shade, moderate drainage, or even sun. What more? Still scarce in nurseries. Blue-black fruit. Dioecious. This is hand-pollinated seed. *Cresson*.

Dat0050 *Datisca cannabina*. FALSE HEMP. Per. Sun. 5–6 x 3–4'. Summer–Fall.

703-*Ondra*.

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*.

Dat3000 *Datura metel*. ANGEL'S TRUMPET, THORN APPLE. TenPer./An. Sun/PtShade. 2–3 x 3–4'. Summer–Fall.

200-White flowers on large perennial. Night blooming and fragrant. *Creveling*.

Dat3090 *Datura metel* ‘Ballerina’. DOWNY THORN APPLE, HORN OF PLENTY. TenPer. PtShade. 2–5 x 2–5' Summer.

590-Purple with white-throated blooms. Stems, buds, and flowers eggplant purple. Fragrant flowers. Grown with other *D. metel* selections—may not have purple flowers. Germ: NST. *Mahony*.

Dat3140 *Datura metel* ‘Belle Blanche’. ANGEL'S TRUMPET, THORN APPLE. TenPer./An. Sun. 2–3 x 3–4'. Summer–Fall. Zone 9–11.

2294-White blooms. Large perennial, night-blooming, upward-facing trumpet flowers. Fragrant. I bring one in each night for my bedside table. *Squitiere*.

Dat3160 *Datura metel* ‘Cornucopia’. ANGEL'S TRUMPET. An. Sun. 4 x 2'. Summer–Fall.

522-Purple and white double (hose-in-hose) flowers. Stunning along a path. Will grow larger when planted out, but still a splendid container plant. Germ: NST; BC; BH, 2 wk. *Kushner*.

Dau3000 *Daucus carota*. QUEEN ANNE'S LACE. Bien. Sun/PtShade. 24–36 x 9–12". Summer. Zone 3–9.

84-White flowers. Good for meadow garden. *Bowditch*.

Dau3050 *Daucus carota* ‘Dara’. FLOWERING CARROT, ORNAMENTAL WILD CARROT. Bien. Sun. 2–3'. Summer. Zone 2–7.

9980-Almost black umbel ranging from pink to white. Germ: C; BC; 20 d. Sow in early spring for planting out and summer bloom or do an autumn sowing for planting out and spring bloom, will self sow. *Chanticleer*.

Dav1000 *Davidia involucrata*. HANDKERCHIEF TREE, DOVE TREE, GHOST TREE, POCKET HANDKERCHIEF TREE. Tree. Sun/PtSun. 40'x30'. Spring.

199-White blooms. Iconic Chinese tree with attractive, clean foliage and bark, but most prized for white bracts that hang among the foliage in May. *Cresson*.

Des0050 *Deschampsia cespitosa*. TUFTED HAIR GRASS, TUSSOCK GRASS. Per. Grass. Sun. 2'; to 4' in flower. Summer.

703-Perennial grass. *Ondra*.

Des1250 *Desmanthus illinoensis*. ILLINOIS BUNDLE-FLOWER. Per. 4 x 3–4'. Sun. Summer.

1684-Inconspicuous flowers followed by whorled, rust-red seed heads. Fine ferny foliage re-emerges in late spring. Germ: Scfy; Soak overnight; W. *Broekhuis*.

Dia0300 *Dianthus amurensis*. AMUR RIVER PINK. Per. Sun. 12–16 x 12". Summer–Fall.

199-Magenta-pink flowers. A reliable perennial. Cut back after summer bloom for good repeat in fall. *Cresson*.

2515-Magenta pink blooms. Lovely color for the front of a border. Germ: NST. *Doblmaier*.

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

703-Bright pink flowers through summer atop 30" stems. *Ondra*.

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*.

Dia4050 *Dianthus giganteus*. Per. Sun. 3 x 1'. Summer.

1684-Broekhuis.

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

9980-Pink flowers. This dianthus has glossy green foliage that turns shades of red as it ages. It behaves like a biennial, forming a lush rosette the first year and blooming in July-end of August the second year. Very different looking than other dianthus. Grows well in sun and bright shade. Germ: W; BC; NST. Will seed around in the garden. A little jewel. *Chanticleer*.

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*.

Dia4950 *Dianthus lusitanus*. Per. 6–12".

558-Pink blooms. Wonderfully floriferous rock garden plant, drought tolerant and about eight inches high in bloom. Germ: W. *Lewis*.

Dia5600 *Dianthus roysii*. Per. PtShade. 4".

1684-Pale pink blooms. Cheddar pink type dianthus with fringed flowers (May) over a mat of blue-green grassy leaves. Not sure of the name, but it's nice enough, anyway. Germ: NST. *Broekhuis*.

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*.

1607-Purplish pink blooms. Drought tolerant 18" plants have flowers with fringed petals. Blooms August to frost. My plants were grown from seed I received in the 2012–13 HPS Seed Exchange. *Jellinek*.

Dic5020 *Dictamnus albus* var. *purpureus*. GASPLANT. Per. Sun/PtShade. 2–3 x 2½'. Late Spring–Summer.

926-Mauve or white blooms (some may be *Dictamnus albus*). An old-fashioned perennial which has been in the garden long before us. *Streeter*.

Dig1050 *Digitalis ferruginea*. COPPER FOXGLOVE, RUSTY FOXGLOVE. Bien./Per. Sun/PtShade. 4'. Summer.

554-Germ: SIS, NST. *Levine*.

Dig1060 *Digitalis ferruginea* 'Gigantea'. COPPER FOXGLOVE, RUSTY FOXGLOVE. Bien./Per. Sun/PtShade. 4 x 1½'. Summer.

9980-Tawny yellow blooms. Very tall and narrow spikes. Germ: W; BC; 20 d. Biennial, sow in spring or summer, grow on rosette to be planted out for bloom the following spring. *Chanticleer*.

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*.

554-Germ: SIS, NST. *Levine*.

1277-Pale yellow flowers. Nice foliage. A good plant and a reliable perennial. *Haas*.

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

118-Wonderful pubescent spikes of quietly dramatic, hairy, pale beige, helmet-shaped flowers with maroon netting inside, tinged with mustard. A large, exaggerated, white lower lip adds to the drama. Germ: W, SS. *Stonecrop Gardens*.

Dig3050 *Digitalis lanata*. GRECIAN FOXGLOVE. Bien./Per. Sun/PtShade. 2–3 x 1'. Late Spring–Summer.

199-Small, waxy, ivory blooms born along one side of stem in June. Good dark green foliage. *Cresson*.

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

507-Waxy white blooms. I received this as *D. lanata* from the HPS/MAG Seed Exchange, but further research convinces me that it's not. This is my best guess. It is an excellent plant. *Kolo*.

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

926-Pinkish purple, occasionally white flowers. Old-fashioned and graceful. Germ: Seeds around helpfully. *Streeter*.

1607-Rosy purple flowers. *Jellinek*.

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

3321-Green blooms with lilac bands. *Perron*.

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

2294-Yellow blooms on woodland plant. *Squitiere*.

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

Dor1250 *Doronicum pardalianches*. Per. 2-6 x 1'.

507-A nice, spring-blooming, yellow daisy that seems to like some shade. Self-sows if you don't deadhead, but seedlings never are unwelcome until they become unwelcome, but I guess you can't have too many yellow spring daisies. Flowers born high above the foliage. *Kolo*.

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*.

Dra1000 *Draba ramosissima*. BRANCHED DRABA. Per. PtShade. 4 x 8". Spring Zone 4–7.

32-White bloom on 4 x 8" plant. *Plant Delights*.

Dra1150 *Dracocephalum moldavicum*. An. Sun. 18-24".

2294-Blue/purple flowers. Mercury herb, annual to perennial, cool weather. *Squitiere*.

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*.

Duranta erecta – *Eryngium yuccifolium*

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*.

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

1020-Mauve-pink flowers. *Wiedorn*.

2483-These seeds came from a seedling from the hybrid ‘White Swan’, and the seedling has pink flowers, with petals wider, shorter, and closer together than the parent species. Germ: Self-sows over the winter, so might be a good candidate for winter sowing in our zone 7. *Barrett*.

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

507-Steel blue flowers. A long-lived and beautiful perennial. *Kolo*.

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*.

1527-Purple-blue flowers. Tolerates heat and dry conditions. Deer resistant. *Felton*.

3321-Steel blue blooms. *Perron*.

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*.

Enk1100 *Enkianthus campanulatus*. REDVEIN ENKIANTHUS, FURIN-TSUTSUJI. Shrub. Sun/PtShade. 6–10 x 4–6'. Late Spring. Zone 4–7.

1939-Blooms bell-shaped cream with a red vein, red wine-colored seed covers in the fall. An ericaceous shrub. Nice red fall color. Germ: BH; NST. *Urffer*.

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*.

Epi1400 *Epilobium angustifolium* (syn. *Chamerion angustifolium*). FIREWEED, GREAT-WILLOW HERB. Per. Sun/PtShade. 4–6'. Summer. Zone 2–7.

1684-*Broekhuis*.

Era4300 *Eranthis hyemalis* ‘Richard Bish’. DOUBLE WINTER ACONITE. Bulb. PtShade/Shade. 6". Winter.

199-Yellow blooms. A rare double form that comes relatively true from seed. Sow immediately outdoors in deciduous shade. Takes 4 yr to bloom from seed. *Cresson*.

Ere3900 *Eremurus stenophyllus*. NARROW-LEAVED FOX-TAIL LILY. Per. Sun. 5 x 2'. Summer.

446-Mine grew very well in gravelly soil under overhang on south side of house. *Humphrey*.

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*.

Ery0800 *Eryngium creticum*. CRETE ERYNGO. Per. Sun. Summer. Zone 5–9.

1684-A typical member of the blue-flowered sea holly clan, covered in flowers in summer. Germ: W; NST. *Broekhuis*.

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

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

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

32-Gray-green blooms on 5' plant. *Plant Delights*.

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

507A-No. 1. Larger plant, richer blue on blossoms and stems after bloom. *Kolo*.

507B-No. 2. Blue blooms. Somewhat smaller and more silvery. *Kolo*.

Ery3870 *Eryngium planum* ‘Blue Glitter’. SEA HOLLY. Per. Sun. 36–40'. Summer. Zone 4–9.

3262-Blue/purple flowers. *Grindrod*.

Ery4000 *Eryngium planum* ‘Jade Frost’. SEA HOLLY. Per. Sun. 15–18 x 15–18"; to 30–36" in bloom. Summer.

507-Silvery blue blooms. The leaves of the basal rosette are outlined white, the flowers typical of the species, but delicate. *Kolo*.

Ery5000 *Eryngium venustum*. SEA HOLLY. Per. Sun/PtShade. 1 x 2'. Summer. Zone 6–10.

1684-Handsome sea holly species with prickly, serrated leaves, and domed, spikey-bracted silvery flowers. One of my rock garden favorites. Germ: CMS: 8 wk. *Broekhuis*.

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*.

Ery5250 *Eryngium yuccifolium*. (Continued)

703-White blooms. *Ondra*.

817-A most architectural plant in white and slightly blue green, a bit like echinops. Showy for several months, a native, pollinator supporter and tolerant of wet soil, though not dependent on it. *Ruhren*.

2429-Germ: CMS: 90 d. *Bricker*.

Ery7800 *Erythronium dens-canis*. DOGTOOTH VIOLET. Bulb. PtShade. 8". Spring.

199-Pink blooms. European species with attractive, speckled leaves. Sow immediately in well-drained woodland conditions. *Cresson*.

Esc1000 *Eschscholzia californica*. CALIFORNIA POPPY. An. Sun. 8–12". Late Spring/Early Summer.

2294-Yellow/orange blooms. Annual poppy, prolific flowering when happy in dry hot spot. Reseeds nicely. Glaucous, feathery foliage 8–12" high. Easy summer annual. Germ: SIS; NST. *Squitiere*.

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

45-Leaves and inflorescence are suffused purple. This seed should germinate quickly. Bulbs should flower in 3–5 years. Germ: NST; 60 d. Perhaps better to leave seedling a year before transplanting. *Bartlett*.

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'.

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

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, 3 mo; BH, OW; SR. *Kushner*.

Euo1550 *Euonymus latifolius*. Shrub. PtShade/Shade. 10 x 10'.

199-Pale green flowers. Main feature of this plant are the clusters of large fruit that ripen to red in midsummer to early fall, then split to release seeds in orange flesh. Good for dry shade, but not wet, heavy clay. Very similar to *E. planipes* and *E. sachalinensis*. *Cresson*.

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

2294-Mauve blooms. Midsummer bloom, dwarf variety grows to only 4'. Very nice plant. *Squitiere*.

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*.

Eup3600 *Eupatorium serotinum*. LATE BONESET. Per. Sun/PtShade. 3–6 x 1'. Summer/Fall.

817-Late summer, early fall blooming native; a 5' cloud of white, great for pollinators, attractive after bloom as well. Sun. *Ruhren*.

Eup5650 *Euphorbia cyathophora*. FIRE-ON-THE-MOUNTAIN, SUMMER POINSETTIA, MEXICAN FIRE PLANT. An. Sun. 2½'. Summer–Fall.

554-Green and red bloom. Self-sows readily. Unopened seedpods explode when dry, so contain collected pods in a paper bag. Germ: W; SIS, NST. *Levine*.

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*.

Eup6800 *Euphorbia lathyris*. MOLE PLANT, CAPER SPURGE. Bien. Sun. 2–4 x 1–2'. Summer.

647-Yellow-green blooms. Tall biennial. Good structural plant, nice with sedums. Will self seed. Germ: Irregular germination over a long period. *Mirick*.

Eup6900 *Euphorbia marginata*. SNOW-ON-THE-MOUNTAIN. An. Sun/PtShade. 3'. Summer–Fall.

592-White flowers with foliage edged white. Adds later summer freshness, good background. Self-sows in Pittsburgh. Transplants readily. Germ: NST. *Malocsay*.

2294-White flowers. Brightens up the garden, prolific re-seeding—deadhead if needed, 2'. *Squitiere*.

Eur0100 *Eurybia divaricata* (syn. *Aster divaricatus*). WHITE WOODS ASTER. Per. PtShade. 2 x 2'. Summer–Fall.

2294-White blooms. Fall bloom, native aster, tough perennial. Mine are thriving in evergreen dry shade. Plant in wilder areas, not for controlled beds. Will seed in. *Squitiere*.

2347-White blooms. Germ: SIS. *Eirhart*.

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*.

Fer2100 *Ferula communis* 'Cretan Gold'. CRETAN GOLD GIANT FENNEL. Per. Sun. 6–8'. Spring–Summer. Zone 7b–10b.

32-Yellow blooms on 8' plant. *Plant Delights*.

Fra1050 *Franklinia alatamaha*. FRANKLIN TREE. Tree. Sun. 15 x 15'. Summer–Fall.

1639-White, sweetly fragrant, camellia-like blooms with yellow center stamens in late summer-early fall. Glossy dark green leaves turn orange, red, and purple in fall. Discovered by John Bartram along the banks of the Altamaha River in the bogs and sandy area of Georgia, then became extinct in the wild. Grow for late blooms, fragrance, and interesting history of this American native. Collected from the Arboretum of the Barnes Foundation. *Bobb*.

Freesia laxa – *Gossypium herbaceum*

- Fre3000** *Freesia laxa* (syn. *Anomatheca laxa*). FALSE FREE-SIA. Per. Sun/PtShade. 8–15"; to 2' in bloom. Summer. Zone 8–10.
32-Red blooms on 8" tall, iris-like leaf clumps. *Plant Delights*.
507-Very "laxa". I've had a few pots of this for years, protected over the winter. I think I'm over it, but the early years were very nice. *Kolo*.
926-Tender South African bulb with small, pretty, red flowers and grassy foliage. Germ: NST. *Streeter*.
- Gai5000** *Gaillardia pulchella*. BLANKET FLOWER. An./Per. Summer–Fall.
2294-Orange and yellow blooms. Summer to fall, short-lived perennial or annual, easy from seed, 10" wide and high. *Squitiere*.
- Gal2010** *Galtonia candicans*. Bulb. Sun. 2–3'; to 4 or 5' in bloom. Summer.
2294-White blooms on hardy bulb to Zone 5. From South Africa, avoid winter wet. *Squitiere*.
2481-White blooms. I grow this as a pot plant in a cold greenhouse. Four foot spires of bloom with an extended season. *Vukich*.
- Gen0500** *Gentiana andrewsii*. BOTTLE GENTIAN, CLOSED GENTIAN. Per. PtShade. 12–24 x 8". Late Summer.
199 -Blue flowers. A treasured wildflower for partial shade in moist well drained soil. *Cresson*.
- 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*.
- Ger3980** *Geranium pratense* var. *striatum* 'Splish Splash'.
2515-Violet-speckled pure white flowers. Definitely a different perennial geranium. *Doblmaier*.
- Geu1000** *Geum* 'Pink Frills'. Per. Sun/PtShade. 12–16 x 12–16". Spring/Summer. Zone 5–9.
926-Very pretty pink blooms. Don't know which geum it is. *Streeter*.
- Gil1000** *Gillenia stipulata*. AMERICAN IPECAC. Per. PtShade. 2 x 1'. Spring–Summer.
446-Germ: NST. *Humphrey*.
703-Dainty white flowers. Good fall foliage color. *Ondra*.
- Gil1250** *Gillenia trifoliata*. BOWMAN'S ROOT, INDIAN PHYSIC. Per. PtShade. 3 x 2'. Spring–Summer.
2294 -White flowers. Blooms midspring, fall color, full sun/part shade. Native. *Squitiere*.
2429-Airy white flowers in spring with red petioles and dark stems. Foliage may turn bronze in fall. Germ: CMS. *Bricker*.
- Gla0090** *Gladiolus* 'Boone'. PerBulb. Sun. 3'. Summer.
2481-Peach blooms. Love this plant. Waist high inflorescence. Hardy parrot-type flowers. Originally from HPS Seed Exchange. *Vukich*.
- Gla0650** *Gladiolus dalenii* orange-flowered. SWORD LILY. TenBulb. Sun/PtSun. 2–3'. Summer.
199-Orange blooms. Widely spread variable African species, this clone flowers with a yellow/green throat in summer. Probably winter hardy with mulch or store dry indoors. Supplied as small cormlets that will take a couple years to bloom. *Cresson*.
- 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*.
- Gla0975** *Gladiolus tristis* × *watsonius*. GLADIOLUS HO-MOGLAD HYBRID, EVENING FLOWER GLADIOLUS. Per. Sun. 3–4'. Late Spring/Midsummer. Zone 8–11.
45-Straw yellow blooms. A tender South African winter-flowering gladiolus to 2'. Easy to grow. A potful is beautiful in midwinter. Germ: NST; 90 d. Grow in grit/gravel, ½" in soil, ¼" over seed. *Bartlett*.
- Gla1050** *Glaucium flavum*. HORNED POPPY. Per. Sun. ½ x 1–2'; to 1" in bloom. Summer.
9980-Yellow blooms. Silver, finely cut leaves form large rosettes that flower in midsummer with bright yellow 2" flowers that rise above the foliage on branched stems. Elongated seedpods resemble horns, hence the common name. Grow in full sun and good drainage. Germ: CMS: 30 d; W; BC; Rtp, SIS. Elongated seedpods resemble horns, hence the common name. *Chanticleer*.
- Glo2000** *Gloriosa superba*. GLORY LILY, CLIMBING LILY. TenPer. Vine. Sun. 8'. Summer.
199-Red and yellow flowers. Climbs by tendrils, making quite a show in full sun with lily-like flowers. Winter storage of bulbs in dry peat, sawdust or in pot of dry soil. Grow from seed for vigorous virus free plants. Watch for slugs. *Cresson*.
- Gom0700** *Gomphrena* 'Fireworks'. An. Sun. 3–4 x 1–2'.
2108-Bright lavender flowers. Bloom is a small round burst of color with yellow at the tips. Strong, long stems; continual blooms all season; great cut flower. Seeds easy to collect. Tends to lay a bit with rain and wind but has a see-through quality. Germ: SS; NST. *Yeager*.
- Gom1000** *Gomphrena haageana* Qis Series Red. An. Sun. 12–18 x 9–12". Summer.
2937-Bright red flowers which are good for cutting or drying. Thrives in heat and tolerates drought. *Bittmann*.
- Gon0150** *Goniolimon incanum*. LAVENDER STATICE. Per. Sun. 20". Late Summer. Zone 5–9.
1684-Rosette of blue-green leaves, with statice-like sprays of white flowers on sturdy stalks. Grows to 16" in our garden. Germ: NST. *Broekhuis*.
- Gos0080** *Gossypium herbaceum* 'Nigra'. LEVANT COTTON, BLACK-LEAVED COTTON. An./TenPer. Sun. 2–2½ x 1½'. Summer–Fall.
965-*Umphrey*.

Gym1800 *Gymnocladus dioica*. KENTUCKY COFFEE TREE. Tree. Sun. 70 x 50'. Spring. Zone 3b–8.

1639-Tall deciduous tree with rough, scaly gray-brown bark. Provides a dappled shade under mature tree. Greenish white flowers in late spring, fruit is 10" pod with large seeds. Native Americans and early settlers roasted and ground the seeds for non-caffeinated "coffee". (Seeds are poisonous if not roasted.) Dioecious, so only females create seedpods. Good landscape tree. Collected from the Arboretum of the Barnes Foundation. *Bobb*.

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

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-Mauve blooms through summer, especially after rain. Germ: SS. *Norfolk Botanical*.

Hab2550 *Habranthus robustus* 'Russell Manning'. Bulb. Summer.

817-Larger flowered than typical *H. robustus*, otherwise identical. Comes true from seed. Easy fast from seed. Germinates in 5 d. *Ruhren*.

Hal2020 *Halesia carolina* 'Jersey Belle'. CAROLINA SILVERBELL. Tree. 25 x 20'. Sun/PtShade. Zone 5.

2137-White blooms. Neat, upright habit makes this tree an excellent choice where space is tight. Masses of pure white, bell-shaped flowers with yellow stamens in spring. Trunk is dark gray with whitish vertical striping, becoming ridged and furrowed with age. Germ: Cycle: 68°F for 3 mo, 40°F for 3 mo. *Boylan*.

Hal2040 *Halesia carolina* 'Rosea'. CAROLINA SILVERBELL. Tree. Sun/PtShade. 20–40 x 15–30'. Spring.

2137-Distinctly pink flowers, in May, that are somewhat smaller than those of the species, similar in all other aspects. Color of flowers may vary year to year depending upon growing conditions. Low-branched or multistemmed understory tree native to the southeastern USA. Fast growing when young, can be trained to a single stem. Produces brown, dry, four-winged fruits in the fall. Germ: Cycle. Sow at 68°F for 3 mo, then 40°F for 3 mo. *Boylan*.

Hal2500 *Halesia tetraptera*. SILVERBELL. Tree. Sun/PtShade. 30–40'. Spring.

2294-White blooms. Not drought tolerant, I've read. Needs acidic soil. Native. *Squitiere*.

Ham1100 *Hamamelis* × *intermedia* 'Arnold Promise'. WITCH HAZEL. Shrub. Sun. 10–20'. Spring. Zone 5a–8b.

1939-Beautiful early yellow bloom from February to March. It might become something different than your plant. Germ: CMS: 12 mo. *Urffer*.

Hel0150 *Helinium autumnale*. SNEEZEWEED. Per. Sun/PtShade. 3–5 x 1½'. Fall.

2483-Yellow flowers, 5'. Germ: OW. Poisonous; attractive to bees, butterflies and birds. *Barrett*.

Hel1130 *Helianthus annuus* 'Moulin Rouge'. MOULIN ROUGE SUNFLOWER. An. Sun. 5–7'. Summer–Fall.

2481-Chocolatey red flowers on 8' plants. Good side shoot production. *Vukich*.

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*.

1277-Yellow flowers. Plant this perennial sunflower in a wild garden as it spreads rapidly. I cut it off in summer to keep shorter; it then blooms later. *Haas*.

2515-Yellow blooms in late summer/early fall. Place it in the back of the border. In the wet soil border, it still needs to be placed behind the swamp hibiscus. *Doblmaier*.

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

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. *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*.

1277-Yellow blooms on tall, hardy perennial. Germ: CMS: 90 d. *Haas*.

Hel4000 *Heliopsis helianthoides*. OX EYE. Per. Sun. 3–6 x 2–3'.

1684-Yellow blooms. Summer-blooming perennial with lots of cheerful 3" golden flowers on plants to 5' tall. Germ: W. *Broekhuis*.

Hel5050 *Helleborus* × *ballardiae* HGC Snow Dance. Per. PtShade/Shade. 10–15 x 18". Winter–Early Spring. Zone 5–9.

507-White blooms with pink overtones. A very delicate hellebore, new to me. Very small seed. *Kolo*.

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

507-Just toss the seeds where you want the plants immediately—need the winter outdoors for germination. Germ: SIS; easy. *Kolo*.

3321-Yellow-green blooms. Germ: Soak: 1 d; R. Has been moist-packed in vermiculite at room temperature. Cool outside or in refrigerator after planting to germinate. *Perron*.

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*.

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

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

Hel6650 *Helleborus* × *hybridus* (plum). Per. PtShade. 1½ x 1½'. Winter–Spring. Zone 4–9.

507-"Plum Giant"...my name and well deserved. Beautiful rich color and abundant early bloom. It comes along before most of its neighbors so one might be lucky with seed. One of the best plants in my garden. *Kolo*.

***Helleborus* × *hybridus* (red, bright/bowl-shaped) – *Heuchera villosa* ‘Autumn Bride’**

Hel6850 *Helleborus* × *hybridus* (red, bright/bowl-shaped). Per. PtShade. 1 x 1½'. Winter–Spring.

199–Bowl-shaped bright red flowers. Particularly attractive flowers that almost glow with an especially lovely compact plant habit. *Cresson*.

Hel7200 *Helleborus* × *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* × *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* × *hybridus* (yellow). Per. PtShade. 1½ x 1½'. Winter–Spring.

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

Hel7850 *Helleborus niger*. Per. PtShade. 1 x 1½'. Winter–Spring.

507–White blossoms. A very early and very beautiful hellebore. These seeds come from several different, quite distinct examples of this species. *Kolo*.

Hel7930 *Helleborus niger* ‘Eidelweiss’. LENTEN ROSE. Per. Sun/PtShade. 6–12". Winter–Early Spring. Zone 4–8.

3321–White blooms. Germ: Soak: 1 d; R, OW. Has been moist-packed in vermiculite at room temperature. Should not be cooled until germination is desired. *Perron*.

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

522–Lovely, white flowers that fade to pink. *Kushner*.

3321–White blooms. Germ: Soak: 1 d; R, OW. This seed has been moist-packed in vermiculite at room temp, do not cool until germination is desired. *Perron*.

Hel8170 *Helleborus niger* ‘Praecox’. LENTEN ROSE. Per. Sun/PtShade. 6–12". Winter–Early Spring. Zone 4–8.

3321–White blooms. Germ: Soak: 1 d; R, OW. Has been moist-packed in vermiculite at room temperature. Needs to be cooled or in refrigerator after planting to germinate after planting. *Perron*.

Hel8450 *Helleborus odorus*. Pen. Sun/PtSun. 6–12 x 9–12". Late Winter–Early Spring. Zone 4–8.

199–Yellow blooms. One of the species from the former Yugoslavia region that went into the hybrids, contributing yellow pigment. Small greenish-yellow flowers. *Cresson*.

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*.

Hel9200 *Helleborus thibetanus*. Per. PtShade. Spring.

199–Pink blooms. Unique species like no other. Goes dormant in summer, but doesn't like to dry out. *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*.

Hem1000 *Heemerocallis citrina*. LONG YELLOW DAY LILY. Per. Sun/PtShade. 2½ x 2'. Summer.

507–Soft yellow blooms. Night blooming and lightly fragrant. Nice by a doorway. Mine needed several seasons before it bloomed generously. *Kolo*.

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

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

Hem2450 *Heemerocallis* hybrid. HYBRID DAYLILIES. Per. Sun. 2–3 x 2'. Summer.

507–Small gold. Diploid hybrid. A vigorous plant, long blooming with nice-looking, 2", well-formed trumpets. *Kolo*.

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. This may turn out to be *H. longituba*, which in any case is similar. *Kolo*.

Hem3000 *Heemerocallis mix*. HYBRID DAYLILIES. Per. Sun. 2–3 x 2'. Summer.

507–DIPLOID HYBRIDS. Golds, yellows, and bicolors. The classic old-time garden hybrids. *Kolo*.

Hem3100 *Heemerocallis multiflora*. Per. Sun/PtShade. 2–3' x 1–2'. Summer. Zone 4–8.

45–Apricot orange flowers. A prolific flowering daylily species to 2'. Flowers August here. Very tough. Very easy. Very long living. Germ: NST. *Bartlett*.

Hem3750 *Heemerocallis* species. DAYLILIES. Per. Sun.

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*.

Heu1050 *Heuchera americana* ‘Dale's Strain’. Per. PtShade. 10 x 12"; to 1½' in bloom. Early Summer.

1017–Greenish cream flowers. A nice evergreen foliage plant. *Whitesell*.

1277–Off-white flowers. Lovely variable leaf, veined in silver. Not a favorite of deer. *Haas*.

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

2294–White flowers in late season. Great ground cover. Blooms in Sept. Native. Germ: W. *Squitiere*.

Heu2850 *Heuchera villosa* ‘Autumn Bride’. Per. Sun/PtShade. 1½ x 1'; to 2½' in bloom. Summer.

1607–*Jellinek*.

Heuchera villosa 'Palace Purple' – *Hosta tardiflora*

Heu2890 *Heuchera villosa* 'Palace Purple'. Per. Sun/PtShade. 1½ x 1'; to 2' in bloom. Late Summer–Fall.

1277-White flowers. Old standard, but still one of the best. *Haas*.

2294-White blooms. Seedlings vary, some will be green. Will seed around. Pull the green ones if undesired. Germ: SS, NST, SIS. *Squitiere*.

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 6–9.

817-Ornamental much of the year, months of scarlet, star-like flowers, attractive seedpods, interesting winter form. The broad petals are landing pads for butterflies feeding on the flowers, visited by hummingbirds as well. Loves wet, thought tolerant of average moisture. Native, winter hardy herbaceous perennial. *Ruhren*.

1999-Red, large, 6" diameter flowers. Can take wet soil. Attracts hummingbirds. *Norfolk Botanical*.

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

Hib0350 *Hibiscus coccineus* 'Albus'. WHITE TEXAS STAR HIBISCUS. Shrub. Sun/PtShade. 4–10 x 3–4'. Summer. Zone 6–11.

3001-White-flowered form to 6'. Germ: Scfy; W. *Gregg*.

Hib0800 *Hibiscus grandiflorus*. Per. Sun. 8 x 6'. Summer–Fall.

817-Cotton candy pink flowers. Grown as much for its foliage as its flowers. Softest, velvet gray-green maple-shaped leaves. Germ: NST; W. *Ruhren*.

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

9980-Hot pink blooms. Germ: Scfy, Soak: 1 d; W, D; 30 d. Sow 12 wk before first frost, plant out in spring. *Chanticleer*.

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*.

522-Pink flowers on 4–6' lovely large pink hibiscus. Does best in sun and damp soil. Source: Woodlanders. *Kushner*.

Hib2550 *Hibiscus sabdariffa* 'Thai Red'. ROSELLE, JAMAICAN SORREL. TenPer. Sun. 4–6'. Mid Fall.

3262-Yellow blooms with a red throat. Red stems and red calyces. *Grindrod*.

Hib2770 *Hibiscus syriacus* 'Diana'. ROSE OF SHARON. Shrub. Sun/PtShade. 8 x 4–6'. Summer. Zone 5–8.

1939-White blooms from August to September, sometimes October. Germ: Five inch, valved capsules ripen in fall and can be collected, dried, and the seed removed. There are no pre-germination requirements. *Urffer*.

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*.

Hie0900 *Hieracium scotostictum*. HAWKWEED. Per. Sun/PtShade. 4 x 6; from 12–20" in bloom. Spring–Summer.

199-Yellow flowers. Correct name for *H. maculatum* according to the *European Garden Flora*. Brown mottled leaves. Naturalizes in rocky areas. *Cresson*.

Hip1070 *Hippeastrum gracilis*. TenBulb.

45-Red blooms. Hippeastrum species are easy to grow. They are small and (to me) much more graceful than the hybrids. Germ: BH; BC; NST. Should flower in 3 yr. *Bartlett*.

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 Fall 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*.

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*.

Hos2100 *Hosta* species. Per. PtShade. <12".

2483 -Resembles 'Big Daddy'. White-bunched flowers low on 28" scape in June; huge, pleated, cupped glaucous blue leaves. Pretty in a sea of *Athyrium niponicum* var. *pictum* and good for a shady moonlight garden with *Hydrangea arborescens* nearby, white-flowered Japanese anemone, and white *Impatiens walleriana* self-sowing in center island beneath an arborized fragrant, white azalea. Germ: Clothier says to sow @ 68°F; if no germ after 3–4 wk, move to fridge around 39° & repeat if necessary. Seed does not keep well at 70°F (Deno). *Barrett*.

Hos2250 *Hosta* 'Swarthmore Surprise'. HOSTA. Per. PtShade.

199-Purple blooms. An unregistered dwarf selection made by Gertrude Wister in Swarthmore many years ago. Narrow leaves edged white. Should provide interesting seedlings. *Cresson*.

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

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

Hosta venusta – *Hypericum androsaemum*

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*.

1277–Blue blooms on a dwarf hosta. Germ: CMS: 90 d. *Haas*.

Hov1000 *Hovenia dulcis*. JAPANESE RAISIN TREE. Tree. Sun. 30–40'. Summer. Zone 5+.

1639–Small, cream-colored flowers in July provide nectar and pollen source for bees during the summer dearth. Entire tree quivers and buzzes from the huge volume of bees pollinating the blooms in summer. Fleshy fruit stalks are edible raw or cooked and when dried do look and taste a bit like raisins, if you use your imagination. Collected from the Arboretum of the Barnes Foundation. *Bobb*.

Hyd1300 *Hydrangea anomala* subsp. *petiolaris*. CLIMBING HYDRANGEA. Vine. Sun/PtShade. 30–40 x 40'. Summer.

199–White blooms. Less often seen than the Japanese species, similar but leaves are not heart-shaped. *Cresson*.

3001–White flowers on climbing hydrangea reaching 30', if allowed. Can be kept much smaller. Exfoliating bark for winter interest. Germ: W; L, SS. Germinate "under glass". *Gregg*.

Hyd1650 *Hydrangea aspera* 'Mauvette'. Shrub. Sun/PtShade. 10 x 10'. Summer.

199–More deeply lavender than 'Macrophylla'. In the Villosa Group of *H. aspera* with smaller leaves, but still dramatic. *Cresson*.

Hyd1750 *Hydrangea aspera* subsp. *sargentiana*. Shrub. PtShade/Shade. 10 x 7'. Summer–Fall.

199–Large, flat, lacecap flower heads in July above 8–10" matte rough-textured leaves. Rich tan bark peels and flakes attractively. This is the "true" species, probably descended from E. H. Wilson's original introduction. Most "sargentianas" in nurseries are imposters and less dramatic. *Cresson*.

Hyd2000 *Hydrangea chinensis* (syn. *Hydrangea umbellata*). Per. 4 x 4'. Zone 6.

3001–White blooms. Closely related to *H. scandens*. One of the earliest hydrangea to bloom and a heavy bloomer with age. Branches are upright, so rarely layers. Attractive bark. Dark maroon leaf fall color, if given some sun—though doesn't like full sun. One of the hardier hydrangea. Germ: W; SS. Surface sow in a closed container, under light, to germinate in 2–3 wk. *Gregg*.

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'.

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*.

Hyd2600 *Hydrangea involucrata*. Shrub. Sun/PtShade. 4 x 4'. Summer.

199–Lavender lacecap. Evenly moist soil. Unique flowers develop in succession summer into fall, blooms July–September. Rough textured leaves. *Cresson*.

Hyd3600 *Hydrangea quercifolia*. OAKLEAF HYDRANGEA. Shrub.

2294–White, midsummer panicles. Best four-season shrub. I have several around the property, and gave away more, all self-seeded from the original plant. Don't know variety, but panicles are upright, never flop. *Squitiere*.

Hyd3800 *Hydrangea serrata*.

199 –Purple flowers. An exceptional seedling with deeper-colored lacecaps which fade to a richer red and deeper green foliage. Neat compact plant habit. Worth a try! *Cresson*.

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 collecton from which 'Blue Billow' was selected. Fred McGourty reports this hardy in Zone 4. 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*.

Hyd6000 *Hydrastis canadensis*. GOLDEN SEAL. Per. PtShade. 8–12 x 8–12". Spring. Zone 3–8.

2429–A native medicinal herb. Insignificant spring flowers give way to red seedpods in summer. Slowly spreads by (golden!) roots to form a ground cover. *Bricker*.

Hyp0250 *Hypericum androsaemum* 'Albury Purple'. ST. JOHN'S WORT. Shrub. Sun/PtShade. 2–3 x 2–3'. Summer.

199–Yellow blooms. Compact shrub with purplish foliage and clusters of small flowers through midsummer followed by fruit that ripens red, then black. Can be treated as a cut-back shrub. Eurasian native. *Cresson*.

1684–*Broekhuis*.

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

199-Yellow blooms. Deciduous native rounded shrub with blue-green foliage and reddish brown exfoliating bark. Large, bright yellow flowers May-June, 3–4 x 3–4'. Sun/PtShade, drought tolerant. Tetraploid cultivar that should come true from seed. *Cresson*.

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*.

Hyp1500 *Hypericum hypericoides* (syn. *Ascyrum hypericoides*). ST. ANDREW’S CROSS. Shrub. Sun. Summer. Zone 5–9.

3177-Pale yellow blooms. 4–6" mat forming. Sun or moderate shade. Tolerates drought. *Gibson*.

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

199-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*.

Hys3010 *Hystrixpatula* (syn. *Elymus hystrix*). BOTTLEBRUSH GRASS. Per. PtShade/Shade. 12 x 12"; to 3' in bloom. Late Summer.

9980-Grayish green maturing to fawn brown. Germ: W, D; NST. Slow to germinate, will self sow once established, can be grown in part shade. *Chanticleer*.

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. *Cresson*.

Ile1000 *Ilex serrata* ‘Hatsuyuki’. Shrub. Sun. 6–8 x 6–8'. Spring. Zone 5–8.

522-We can thank Barry Yinger of the former Asiatica Nursery for this lovely, white-berried, deciduous holly. 4–5' tall and wide. Sun/light shade. Source: Rarefind Nursery. *Kushner*.

Ile1050 *Ilex verticillata*. WINTERBERRY. Shrub. Sun/PtShade. 10–15 x 10–15'. Spring. Zone 3–9.

3001-Deciduous holly, native to North America. 6–8 x 6–8'. Dioecious, so only the female plant produces bright red fall berries. Very attractive landscape plant. Germ: CMS: 90 d. Three mo cold, then warm—the seed may require a second cold period. *Gregg*.

Imp1050 *Impatiens balfourii*. An. PtShade. 3 x 2'. Summer–Fall. Zone 9–11.

507-Pink and white flowers. Wonderful plant, but a vigorous self-seeder. Easy to weed out, though. Best in a confined, partially shady area. Germ: SIS before spring. Just toss seed around. *Kolo*.

522-Pink-pale flowers on a lovely annual that reseeds freely. Maybe too freely in damp places. Succulent-looking with hollow stem. See *Impatiens: the Vibrant World of Busy Lizzies, Balsams, and Touch-me-nots* by Raymond Morgan for photographs and advice. *Kushner*.

Imp1150 *Impatiens balsamina*. GARDEN BALSAM. An. PtShade/Shade. 24 x 8". Summer–Fall.

2294-Mixed pink, coral, white, and lavender blooms. Annual, sun-part shade, drought tolerant, 15" high. Self-seeds, sometimes aggressively, but easily scraped out. *Squitiere*.

Imp1170 *Impatiens bicolor*. An. PtShade/Shade. 1–4'. Summer–Fall. Zone 9–11.

2481-Bi-tone lilac and yellow flowers. A newer species for me. Try a 4' tall, loaded with blooms, hummingbird magnet. *Vukich*.

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

965-Germ: NST; BC; BH. *Umphrey*.

Ind1400 *Indigofera amblyantha*. Shrub. Sun/PtSun. 4–6 x 6–8'. Spring–Summer–Fall.

239-Good, delicate pink flowers for most of summer and into fall. Graceful unusual shrub. Germ: Soak 1 d; W; BC; 21 d. 190°F water produced best results. SIS. *Doering*.

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*.

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

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

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*.

Ipomoea lobata – *Kalimeris incisa*

- Ipo2350** *Ipomoea lobata* (syn. *Mina lobata*). SPANISH FLAG. An. Vine. Sun. 15–20'. Summer/Fall.
817-Annual vine. A most un-morninglory-like Morning Glory. Slender tubular flowers in a feather-like arrangement—start out cream, mature through yellow to orange in fall. This one bloomed early enough to mature seed. *Ruhren*.
- Ipo2950** *Ipomoea quamoclit*. CYPRESS VINE, STAR GLORY. An. Vine. Sun. 6–20'. Summer.
627-Scarlet. Glorious color and feathery foliage. Germ: NST; BC; W, 21 d. *McShane*.
- Ipo3300** *Ipomoea purpurea* ‘**Kniola’s Purple-Black**’. MORNING GLORY. An. Vine. Sun. 10'. Summer.
2483-Dark blue-purple blooms. As JL Hudson predicted, the ivory center continues widening over the generations. This flower is not for those able to maintain neat and tidy gardens. But if you have a let-’er-rip type of garden, whose inmates freely duke it out among themselves, this flower is for you. Germ: Quite the self-sower in my Zone 7 garden, but all is forgiven for its exuberance in flowering up to frost. *Barrett*.
- Ipo5010** *Ipomopsis rubra*. STANDING CYPRESS, SCARLET GILIA, SKYROCKET. An./Bien. Sun/PtShade. 6" spread; 2–3' in bloom. Spring–Summer.
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, 14 d. *Humphrey*.
- 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.
522-*Kushner*.
554-Orange/yellow blooms. Beautiful spotted flowers with pods that open up to reveal the black seeds, hence the common name. *Levine*.
2483-Orange blooms. *Barrett*.
- 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, 6'. *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*.
- 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*.
- 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*.
- Iri3650** *Iris* ‘**Red Echo**’. LOUISIANA IRIS ‘RED ECHO’. Per. Sun. 4'. Zone 6–10.
215-Red blooms. *DeMarco*.
- Iri4400** *Iris sibirica*. SIBERIAN IRIS. Per. Sun. 3 x 3'. Early Summer. Zone 3+.
45-Wine red blooms. Siberian iris are easy from seed. These are from a clump with red flowers. Should come true from seed. Germ: NST. 1 yr. *Bartlett*.
- Iri5750** *Iris sintenisii*. DWARF SPURIA IRIS. Per. Sun/PtShade. 8–12 x 12". Spring.
199-Blue flowers. Looks like a miniature Siberian iris. *Cresson*.
- Iri6300** *Iris tectorum*. JAPANESE ROOF IRIS. Per. Sun/PtShade. 12 x 36"; to 18" in bloom. Spring.
522-Purple and white mixed. Even when not in bloom, a worthy plant. Strong foliar presence. *Kushner*.
554-White or blue blooms. Beautiful iris for bright shade. Both white and blue plants are in our garden, so plants may bloom in either color. *Levine*.
817-Blue or white blooms. Even more valuable for its foliage. Shade-loving iris. *Ruhren*.
3321-Blue or white blooms. Germ: Easy to germinate. *Perron*.
- Iri6400** *Iris tectorum* ‘**Alba**’. JAPANESE ROOF IRIS. Per. Sun/PtShade. 12 x 12". Spring.
45-Large, white blooms at 12–18" in May. Could be the easiest species iris, and one of the best. Germ: NST. Comes true from seed and flowers in 2–3 yr. *Bartlett*.
2429-*Bricker*.
- 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*.
- Iri6600** *Iris versicolor*. BLUE FLAG. Per. Sun/PtShade. 3 x 1½'. Summer.
45-White blooms with blue veins. A pale variety of native iris. Easy to establish. Will accept a damp spot. Germ: OW; NST. I give *Iris versicolor* no special treatment and have good germination. *Bartlett*.
2429-Blue/purple flowers. Germ: CMS: 90 d; BC. *Bricker*.
- Kal1050** *Kalimeris incisa*. BLUE STAR ASTER. Per. Sun/PtShade. 2 x 1'. Late Summer–Fall.
84-Long season of lavender blooms, summer into early fall. *Bowditch*.
239-Lavender blooms through most of summer into early fall. Very dependable and ornamental for a long time! Germ: CMS; BH; BC. *Doering*.

Kal1350 *Kalmia latifolia*. MOUNTAIN LAUREL. Shrub. PtShade. 5–15 x 5–15'. Spring. Zone 4–9.

1939-Light pink blooms from May to June. Germ: BH. Seed with peat and lights. Plants prefer excellent drainage, acid soils, and (some) winter shade. *Urffer*.

Kei1000 *Keiskeia japonica* var. *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*.

Ker1000 *Kerria japonica* 'Kin Kan'. JAPANESE KERRIA, JAPANESE ROSE, EASTER ROSE. Shrub. Sun/PtShade. 4–6'.

522-Yellow, 5-petaled single flowers on 3–6' shrub. Notable for its yellow stems with green stripes. *Kushner*.

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*.

Koc1000 *Kochia scoparia*. SUMMER CYPRESS. Annuals. Sun. 1'+. Zone 9–11.

3262-Green flowers. Foliage turns red. *Grindrod*.

Koe0500 *Koelreuteria bipinnata*. CHINESE FLAME-TREE, CHINESE GOLDEN-RAIN TREE. Tree. Sun. 20–30 x 15–20'. Summer. Zone 6–8.

1639-Showy, pleasantly fragrant, small and yellow flowers with a touch of red at the base. Koelreuterias are one of the few trees that bloom in the summer, when nectar and pollen is sparse for bees and other pollinators. The seedpods are lantern shaped and, unlike their more popularly grown cousin *Koelreuteria paniculata*, are pink instead of tan. Use as a focal point in your landscape and support the bee population. Collected from the Arboretum of the Barnes Foundation. *Bobb*.

Koe1000 *Koelreuteria paniculata*. GOLDEN RAIN TREE. Tree. Sun. 30–40 x 30–40'. Summer.

627-*McShane*.

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

3006-Medium pink blooms. Salt tolerant mallow. 5' in part shade and average moisture. Back of border charmer. Seeds from Kurt Bluemel, Inc. Germ: Soak: 1 d; W; NST. *Mayer*.

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*.

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

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

Lag0300 *Lagerstroemia indica*. CRAPE MYRTLE. Shrub. Sun.

1939-Dark red, fuchsia blooms from August to September. Smooth, exfoliating bark. 20'. Germ: R; SIS. According to Dirr, south "seeds supposedly germinate if given 30–45 day". Collected seeds in January and germination in 2–3 wk. *Urffer*.

Lan1000 *Lantana camara*. LANTANA. TenPer. Sun. 3–4 x 1–3'. Summer–Frost. Zone 10–11.

200-Red-orange blooms. Germ: Soak: 1 d, BH. *Creveling*.

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

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.

507-Beautiful mix of white, white with pink overtones, soft pink, and a richer pink. Germ: Probably soak in warm water overnight. *Kolo*.

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*.

590-*Mahony*.

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*.

Lav1300 *Lavatera cachemiriana*. TREE MALLOW. An./Short-lived Per. Sun/PtShade. 8 x 4'. Summer.

1684-Large perennial (tender according to some sources, but overwinters for us) covered in subtly striped pink mallow flowers in summer. Self-seeds. Germ: Scfy. *Broekhuis*.

Lei0050 *Leibnitzia anandria*. Per. Shade. Spring and Fall.

1684-White blooms. Oddball plant, sending up flowering stems twice in a year—but only the first ones, in early spring, have actual flowers; the second ones, in late summer, have buds that open directly to seeds. Low rosette of mid-green serrated leaves. Listed as a perennial, but acts more like a biennial for me. Germ: NST. *Broekhuis*.

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

Lespedeza bicolor – *Lilium philippinense*

- 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*.
- Les1240** *Lespedeza bicolor*. BUSH CLOVER. Shrub. Sun. 3 x 3'. Summer.
1277-Magenta flowers, 3–6'. *Haas*.
- 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*.
- Les2190** *Lespedeza thunbergii*. THUNBERG LESPEDEZA, BUSH CLOVER. Shrub. Sun. 6 x 5'. Summer.
1684-Purple flowers. A dieback shrub. Re-emerges in spring with fresh, slightly blue-green foliage from near the base of the plant. Lots of flowers in late summer. Germ: NST; BH; 3–10 d. *Broekhuis*.
- Leu4010** *Leucosceptrum stellipilum*. Per. PtShade. 1½ x 1½'.
199-Spikes of lavender flowers in October. Bushy Chinese woodlander. Tolerates dry shade. *Cresson*.
- Lia0200** *Liatris acidota*. GULF COAST GAYFLOWER. Per. Sun. 1–3'. Summer–Fall. Zone 7–9.
32-Purple blooms, 3' tall plant. *Plant Delights*.
- Lia0650** *Liatris* 'Georgia Giant'. GEORGIA GIANT GAYFEATHER. Per. Sun. 7'. Late Summer. Zone 3–8.
817-Purple-violet blooms. Easily tops 6', blooms late summer into early fall, otherwise much like *Liatris spicata*, though with some branching of flower spike down low. A Plant Delights introduction. *Ruhren*.
- Lia1600** *Liatris microcephala*. DWARF GAYFEATHER, DWARF BLAZING STAR. Per. Sun. 12–18 x 6–12". Late Summer. Zone 4–7.
558-Pink blooms on low-growing (1') gayflower for rock garden. Vigorous. Blooms late August–September. Germ: NST. *Lewis*.
- Lia1850** *Liatris pycnostachya*. PRAIRIE BLAZINGSTAR, KANSAS GAYFEATHER, DENSE-SPIKED BUTTON SNAKE-ROOT. Per. Sun. 5–6'. Summer–Fall.
1017-Lavender magenta blooms in August/September. Fine foliage. One of the best liatris. *Whitesell*.
- Lia2500** *Liatris spicata*. BLAZING STAR, GAYFEATHER. Per. Sun/PtSun. 2–5 x 1½'. Summer–Fall.
239-Deep pink. Strong plant. Great vertical accent for perennial garden. Long lasting. Germ: CMS; OW; BC; 2 yr. Best to sow in fall in mesh-covered container and place in safe place or cold frame. May take 2 yr to germinate. *Doering*.
2294-Purple spikes. Native perennial, sun. From 2010–11 HPS Seed Exchange. *Squitiere*.
3321-Pink-purple blooms. *Perron*.
- Lia2900** *Liatris squarrosa*. SCALY BLAZINGSTAR, AMERICAN DEVIL'S BIT. Per. Sun. 24–30 x 12–15". Late Summer.
817-*Ruhren*.
- Lig0010** *Ligularia 'Britt Marie Crawford'*. Per. Sun/PtShade. 3¼'. Midsummer–Early Fall. Zone 4–8.
- 1580**-Gold composite-type flowers in 6–8" clusters, just above the maroon foliage. Loves moist soil and morning sun. Plant reaches 42" high and 60" wide. Produces two flushes of growth. Germ: NST; 35 d. *Romenesko*.
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*.
- Lig2010** *Ligularia przewalskii*. Per. PtShade/Shade. 2'; from 3–4' in bloom. Summer.
65-Yellow flowers. *Berger*.
- Lig3530** *Ligularia sibirica*. Per. Sun/PtShade. 4–6' in bloom.
2481-Yellow flowers on early summer bloomer. Keeps about a foot tall in my garden. Nice amount of bloom spikes. A tough, clump-forming perennial. *Vukich*.
- Lil1700** *Lilium formosanum*. FORMOSA LILY, TAIWAN LILY. PerBulb. Sun/PtShade. 6–8 x 1½'. Zone 6+.
446-White. May bloom first year from seed sown in January or February. Germ: W, 30 d. *Humphrey*.
817-Solid white, no burgundy on outside. Otherwise identical. 6–7'. August-blooming white trumpets. Quick from seed. *Ruhren*.
- 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 *Cresson*.
- Lil2000** *Lilium hybrid*. LILY. PerBulb. Sun. 6 x 2'. Summer.
507-Perhaps white blooms with a rich purple-pink center. This may have come from "Friso" but I can't be sure. Not grown in isolation. It might be a nice surprise. The Oriempets are very sturdy, perhaps to a fault. Worth a try, but I'm going to avoid them in the future as they lack any real grace. *Kolo*.
- Lil2100** *Lilium lancifolium*. TIGER LILY. Bulb. Sun. Midsummer. Zone 3–9.
45-Orange blooms with black spots. A lighter-textured, diploid version of the tiger lily (which is triploid and sterile). This is easily grown from seed. Should flower in 3–4 yr. Germ: SS; 180 d. Sow with gravel or grit. An immediate epigeal germinator. This means easy. As these tiger lilies are grown from seed, they will be free of virus. *Bartlett*.
- Lil2300** *Lilium leichtlinii* var. *maximowiczii*. LESSER TIGER LILY. Bulb. Sun/PtShade. 6'. Late Summer/Early Fall. Zone 4–8.
32-Bright orange blooms with brown spots. Does not produce bulbils. *Plant Delights*.
- Lil2800** *Lilium martagon* hybrids. TURK'S CAP LILY, MARTAGON LILY, MOUNTAIN LILY, EUROPEAN WOOD LILY. PerBulb. Sun/PtShade. 3–5'. Summer.
199-Seed from various orange hybrids, some spotted. Long-lived, drought tolerant, and very virus resistant. *Cresson*.
- Lil3050** *Lilium philippinense*. Bulb. Sun. 3'.

- 3177-White blooms. August flowered, to 8' high. Native to Taiwan. Germ: NST. *Gibson*.
- Lil3300** *Lilium regale*. PerBulb. Sun/PtShade. 3–4 x 1'.
45-Blooms with white/yellow interior, dark exterior. Easy trumpet lily species. Epigeal immediate germination, which means easy. Lots of seed, grow a clump, flowers in 3rd or 4th year. Regal lily is easy from seed and spectacular in the garden. Germ: NST. *Bartlett*.
200-White trumpet with pink reverse bloom. Supposed to be 3–4', but mine is closer to 6'. *Creveling*.
446-White with green and purple flush. Easily grown. June blooming. Germ: Cycle. *Humphrey*.
- Lil3370** *Lilium sargentiae*. SARGENT'S LILY. PerBulb. Sun. 2–6 x 3–5'. Summer. Zone 5–8.
32-White blooms. Tops out at 6'. *Plant Delights*.
- Lil3500** *Lilium superbum*. AMERICAN TURK'S CAP LILY. PerBulb. Sun/PtShade. 4–7'. Summer. Zone 5–8.
32-NJ orange-red blooms. *Plant Delights*.
- Lim1050** *Limonium latifolium*. SEA LAVENDER, STATICE. Per. 1 x 2"; to 21" in bloom.
647-Blue blooms. Airy mass of tiny flowers; good for dried arrangements; full sun, good drainage. Germ: BC; NST. *Mirick*.
- Lin1510** *Linaria purpurea* 'Canon J. Went'. TOADFLAX. Per. Sun/PtShade. 2–3 x 1'. Summer–Fall.
1277-Purple or pink flowers. *Haas*.
- Lin3100** *Lindera angustifolia glauca*. ASIAN SPICE BUSH. Shrub. PtShade. 6–8 x 6–8'.
2294-Insignificant blooms. Hardy shrub, fantastic fall foliage, buff/tan leaves retained all winter, mine had many berries this season. *Squitiere*.
- Lin3500** *Lindera benzoin*. SPICEBUSH. Shrub. Sun/PtShade/Shade. 6–12 x 6–12'. Spring. Zone 4–9.
446-Yellow flowers. Graceful, native shrub with fragrant leaves and fruit for a not-too-dry spot. Lovely fall color. Birds like the red fruit. Germ: R; OW. *Humphrey*.
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.
318-Red flowers. Germ: SIS. *Garnett*.
446-Bright red. Hummingbird flower. Great in moist soil and sun. Germ: NST, 4–7 d. *Humphrey*.
1277-Red flowers. Likes sunny, moist conditions but will take shade also. Hummingbird's favorite plant. *Haas*.
1580-Red flowers. Plants to 4' tall, bloom in August–September. Hummingbirds love the flowers. Plants prefer afternoon shade and moist soil with a pH of 6.0–7.5. A wonderful native plant. Germ: NST. If planted close to a window, you'll see hummingbirds visit. *Romenesko*.
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)
- 2294-Red blooms. The holy grail of hummingbird attractors. Perennial, moist sunny areas. From 2010–11 HPS Seed Exchange. *Squitiere*.
2480-Bright red blooms. This seed may also produce a few plants with flowers of light pink or almost-white. It traces back to a wild stand in Rhode Island. Germ: L; NST. *Swift*.
3321-Red blooms. Great hummingbird attractor. *Perron*.
- Lob1750** *Lobelia siphilitica*. GREAT BLUE LOBELIA. Per. Sun/PtShade. 2–4 x 1'. Late Summer–Fall.
1585-Mostly blue, some white flowers. Biennial in my garden. *Scofield*.
2294-Blue flowers. Late summer perennial, bees love, native. Reseeds. *Squitiere*.
2483-Blue flowers. Germ: CMS 3 mo; R; SS; Cycle: 40°F 3 mo, 70°F 1 mo. Easiest when winter sown: www.wintersown.org/wseo1. *Barrett*.
- Lun0050** *Lunaria annua*. MONEY PLANT, HONESTY. Bien. Sun/PtShade. 3 x 1'. Spring.
2483-Purple flowers. Biennial; fragrant; bees, butterflies, birds. Germ: NST; W; 14 d. Can be winter sown: www.wintersown.org/wseo1. *Barrett*.
- Lun0100** *Lunaria annua* 'Pennies in Bronze'. MONEY PLANT, BOLBONAC, HONESTY. Bien. Sun/PtShade. 2–3'. Spring. Zone 4–8.
703-Purple blooms. Biennial. *Ondra*.
- 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*.
926-White blooms. From a field trip to Brent and Becky's bulb nursery in Gloucester, VA. Much prettier than the ordinary honesty. *Streeter*.
1017-Lovely white-flowering, early-blooming biennial. Leaf vegetation appears the second year. Originally from Thompson & Morgan Seeds, who called it 'Stella', but that name is apparently invalid. *Whitesell*.
- Lun2200** *Lunaria annua* var. *albiflora* 'Rosemary Verey'. MONEY PLANT, HONESTY. Bien. Sun/PtShade. 2–4 x 2–3'. Spring.
65-Purple flowers. *Berger*.
199-Pink blooms. *Cresson*.
215-Purple blooms. Germ: Can be winter sown. *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*.
- Lup2050** *Lupinus perennis*. PERENNIAL LUPINE. Per. Sun. 2–3'. Spring–Summer.
9980-Narrow spikes of blue-purple, pea-like flowers on stalks to 2½–3' high. Blooms in June. Prefers sun to light shade and well-drained garden soil. Native. Germ: Scfy, Soak: 1 d; W, D, RTp. *Chanticleer*.

Lupinus regalis – *Magnolia stellata*

Lup2600 *Lupinus regalis*. LUPINE. Per. Sun/PtShade. 3–4'. Late Spring/Early Summer. Zone 4–8.

507-Purple and white blooms. A very attractive, medium-sized lupin. Ordered as yellow but came up with striking purple and white which at a distance looked like horizontal stripes. I hope it comes back. *Kolo*.

Lyc2000 *Lychnis alpina*. ALPINE CATCHFLY. Per. Sun. 3 x 6". Spring.

558-Pink blooms. Showy, low rock garden plant. Drought tolerant and relatively long bloom period. Germ: SIS, NST. *Lewis*.

2483-Very bright pink blooms. This "alpine" does not need the tip of a mountain range, since it thrives closer to sea level in my hot, humid Maryland garden. It grows over a wall with lavender and thyme, where nothing is ever artificially watered, blooms repeatedly into autumn frost, self-sows like a biennial, and plays well with its neighbors. Germ: Self-sows over the winter and during summer, without being a nuisance. *Barrett*.

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. *Cresson*.

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

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*.

239-Good magenta pink blooms. Fabulous color combination of silver foliage and magenta flowers. Mostly biennial, but self-sows lightly. *Doering*.

1017-Magenta flowers contrast beautifully with silver-felted foliar rosettes. Easy and gratifying. *Whitesell*.

2515-Hot pink blooms, silver foliage. *Doblmaier*.

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*.

Lyc5000 *Lycopersicon esculentum* 'Polish Linguisa'. An. Sun. 36–40 x 24–36".

199-Yellow blooms. Not just any tomato, but the best heirloom! A large paste variety with virtually no juice, that is so flavorful and sweet that we eat them all fresh; superb on a sandwich, in salads and omelettes. Of course you could try it on pasta too. You'll be a convert! Indeterminate. *Cresson*.

Lyc9400 *Lycoris* × *rosea*. SURPRISE LILY. Bulb. Sun/PtShade. 20". Late Summer. Zone 6–10.

32-Pink with blue blooms, 1–2' tall plant. *Plant Delights*.

Lyc9500 *Lycoris sanguinea*. Bulb. Sun. 20". Summer.

522-Apricot/orange blooms. Am not sure if this is *L. s.* var. *kuisiana*. See Pacific Bulb Society's photographs descriptions and propagating suggestions. Can take 5 yr to bloom from seed. Germ: SR. *Kushner*.

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*.

2294-White bloom on biennial. From Charles Cresson. Germ: Can self sow. *Squitiere*.

Maa0100 *Maackia amurensis*. Tree. 50 x 30'. Summer.

2137-White blooms. This small (30') deciduous tree is a member of the Pea family. It has showy, fragrant white flowers in June. It can tolerate some shade, but prefers full sun and can be used as a street tree as well as a specimen tree. It can adapt to a wide range of soil conditions. Germ: W; D; RTp. 90 d. Requires soaking. Place in warm water until seeds swell, usually 24–48 hr. Discard floaters and the water used for soaking. *Boylan*.

Mag1220 *Magnolia grandiflora* 'Bracken's Brown Beauty'. Tree. Sun/PtShade. 40–50 x 30–40'. Midspring, reblooms through Fall. Zone 6–9.

3001-Broad leaf evergreen to 25–50' with age. Cold hardy. Relatively fast growing. Germ: CMS: 90 d, then warm. Seeds moist packed. Needs 3–4 mo cold. *Gregg*.

Mag1250 *Magnolia grandiflora* 'Edith Bogue'. SOUTHERN MAGNOLIA. Tree. 30 x 20'. Summer. Zone 6–9.

3001-White blooms. Broadleaf evergreen to 40–60' with age. Pyramidal. Cold hardy. Relatively fast growing. Germ: CMS: 90 d. Seeds moist packed. Needs 3–4 mo cold. *Gregg*.

Mag1650 *Magnolia macrophylla*. BIG LEAF MAGNOLIA, UMBRELLA TREE. Tree. Sun/PtShade. 30 x 30'. Summer.

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 3–4 mo CMS, then room temperature, to germinate in 30–45 d. Seed is moist packed, so germination rate should be high. *Gregg*.

Mag1770 *Magnolia sieboldii* 'Colossus'. OYAMA MAGNOLIA. Tree. Sun. 12–15'. Late Spring/Early Summer. Zone 5–9.

45-Bartlett.

Mag2010 *Magnolia stellata*. Tree. 15–20 x 10–15'.

926-Spreading small tree with deliciously fragrant white flowers. Germ: CMS 3 mo. *Streeter*.

Mag2050 *Magnolia stellata* 'Jane Platt'. STAR MAGNOLIA. Tree. 15–20'. Spring. Zone 5–8.

45-Pink or white blooms from a tall, pink stellata form. Look for pink, very double flowers on a taller than usual *M. stellata*. Seedlings, of course, will vary. Germ: 6 mo. I sow this in gravel, grower grit on top of soil. Otherwise germination begins in a couple of months. *Bartlett*.

Mag5050 *Magnolia virginiana*. SWEETBAY MAGNOLIA, VIRGINIA MAGNOLIA. Shrub/Tree. Sun/PtShade. 28 x 20'. Summer–Fall.

522-Kushner.

926-Ivory flowers. Very fragrant. Leaves have silver undersides. Germ: CMS 3 mo. Seeds with orange coats should be soaked in warm water until skin can be peeled off, then CMS 3 mo. *Streeter*.

Mah1000 *Mahonia japonica*. Shrub. PtSun/Shade. 8'x8'. Winter. Zone 6–8.

199-Yellow blooms. Similar to *M. bealei* but better. Flower racemes are longer and more fragrant and plant habit is fuller and less stalky. Late winter bloom. Does well in dry shade. Deer resistant. *Cresson*.

Man2100 *Manfreda virginica*. Per. Sun. 2 x 2–4'; to 6' in bloom. Summer.

446-Greenish. An interesting succulent for an open, sunny spot. Can't compete with lush growing plants. Flowers apetalous, but sweetly fragrant in the evening. S.E. U.S. Germ: W, 21 d, but may vary. *Humphrey*.

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*.

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*.

507-Pale orange flowers. Excellent! Germ: SIS. *Kolo*.

Mel4000 *Melissa officinalis* 'All Gold'. GOLDEN LEMON BALM. Per. Sun. 2'. Zone 6–10.

703-White blooms. Appears to come true from seed, producing fragrant and flavorful, bright yellow foliage that holds its color through the growing season. Will self-sow. *Ondra*.

Met1010 *Metasequoia glyptostroboides*. DAWN REDWOOD. Tree. Sun. 70–100 x 25'.

1277-Deciduous, needled tree. Grows to 80'. *Haas*.

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*.

Mir1400 *Mirabilis jalapa* 'Limelight'. FOUR O'CLOCK. An./TenPer. Sun. 2'. Summer.

554-Magenta blooms. Prolific bloomer with chartreuse foliage. Hardy in our garden, and self-sows to a fault. *Levine*.

1607-Bright pink blooms with lime green foliage, tolerates heat and drought. Germ: SIS, NST. *Jellinek*.

Mir1600 *Mirabilis jalapa* 'Stars and Stripes'. FOUR O'CLOCKS. An. Sun/PtShade.

2515-Magenta, white, yellow, and bicolor blooms. Most of the blooms I had were magenta/white bicolored. Germ: NST. *Doblmaier*.

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'.

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*.

Mor2000 *Morella pennsylvanica* (syn. *Myrica pennsylvanica*). 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*.

Mor3000 *Moricandia arvensis*. Bien. TenPer. 24–36 x 12–18".

386-Blue flowers. Lovely filler for lightly shaded spot. Long flowering period in spring. Germ: Self sowing. Sprinkle seed where you want it to grow. Ideally in late summer/early autumn. *Harper*.

Mus1000 *Muscari azureum*. GRAPE HYACINTH. Bulb. Sun/PtShade. 6". Spring. Zone 5–8.

199-Flowers striped with clear sky blue and white. *Cresson*.

Myr0500 *Myrica pennsylvanica*. NORTHERN BAYBERRY. Shrub. Sun/PtShade. 5–10 x 5–10'. Spring. Zone 3–7.

1939-Gray, aromatic berries. Myrica are dioecious and I hope that you have the right seed. *Urffer*.

Nan1050 *Nandina domestica* var. *leucocarpa*. Shrub. Sun. 6 x 5'. Summer.

199-Just like the species, but fruit is light yellow and foliage is green instead of reddish. Lovely next to the red form. *Cresson*.

522-Lovely yellow-berried shrub. Nice companion in the autumn to coryloids, stachyurus, and other woodland plants. Germinates easily. *Kushner*.

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*.

Nicandra physaloides alba – *Ornithogalum sintenisii*

Nic0070 *Nicandra physaloides alba*. SHOO FLY PLANT, APPLE OF PERU. An. Sun. 24–36 x 9–12". Spring/Summer/Fall. Zone 8.

2515-White blooms. Nice looking plant. Was interested in trying a different annual. May try it alone in a container next year. Germ: NST. *Doblmaier*.

Nic0600 *Nicotiana langsdorffii*. FLOWERING TOBACCO. An. Sun/PtShade. 1–2 x 1'; from 2–5' in bloom. Summer.

200-Limegreen flowers on 2', summer-blooming annual. *Creveling*.

2294-Apple green blooms. Annual, late summer bloom if seeds are scattered. Bold foliage, long panicles of blooms. Very nice plant. *Squitiere*.

Nic0650 *Nicotiana langsdorffii* 'Lime Green'. FLOWERING TOBACCO. An. Sun/PtShade. 8 x 24–36". Spring–Fall.

1017-Limegreen blooms, fading to ivory in heat. Wonderful neutral floral color that goes well with everything. *Whitesell*.

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*.

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*.

2294-White flowers. Hummers and hummingbird moths. Large dramatic flower stalk and leaves. Good vertical accent. Reseeds. Germ: NST. Just scatter seed in early spring. *Squitiere*.

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*.

Nic4000 *Nicotiana* 'Tinkerbell'. FLOWERING TOBACCO. An. Sun/PtShade. 3'. Summer–Fall.

2294-Dusky rose petals from long green trumpets. Annual, direct seeding best. *Squitiere*.

Nig1050 *Nigella damascena*. LOVE-IN-A-MIST. An. Sun. 8–12 x 8–12"; 12–18" in bloom. Summer.

592-Blue or (less often) white blooms. Classic self-sower (won't transplant). I wouldn't be without. Germ: SIS. RTp. *Malocsay*.

2294-Blue flowers. Light, airy foliage. Self-seeds. Fall seedlings are evergreen. Over winter in zone 6. Germ: NST. Easy. Just scatter seeds. *Squitiere*.

9980-Purple blue blooms. Germ: C, SS. Direct sow in early spring, may self sow. *Chanticleer*.

Nig1290 *Nigella damascena* 'Cramers' Plum'. LOVE-IN-A-MIST. An. Sun. 8–12 x 8–12". Summer.

703-White flowers in summer, followed by plum-purple pods. *Ondra*.

Oph1050 *Ophiopogon planiscapus* 'Nigrescens'. BLACK MONDO GRASS. Per. Sun/PtShade. 6 x 15". Summer.

2483-Blush pink flowers. Flowers look like faintly blushed, ivory pearls; leaves black; seedlings about 80% true to type. Germ: In December, I harvest seeds and immediately plant them in the cold frame. They appear about mid-spring. *Barrett*.

Oph1200 *Ophiopogon umbraticola*. MONDO GRASS. Per. PtSun/Shade. 10". Summer. Zone 5–8.

199-White blooms. New 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*.

3177-*Gibson*.

Orl1000 *Orlaya grandiflora*. WHITE LACEFLOWER, MINOAN LACE. An.

84-White flowers. Looks like Queen Anne's lace but better. Annual with long season of bloom. Germ: SIS. *Bowditch*.

386-White flowers on long-flowering annual. Resembles Queen Anne's Lace. Germ: Self sows. Sprinkle seed in the sun where you want it to grow. *Harper*.

554-White umbels on stems about 18" in June-July. Biennial. Germ: NST; SIS. *Levine*.

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*.

5024-White blooms. Best in rich, well-drained soil. A self-sower. Beautiful cut flower. Germ: SIS. 6 d. *Iroki Garden*.

9980-White blooms. Like a miniature doiley, this reseeding annual blooms in early summer with umbellifer flower heads to 18–24" tall. Great filler in sunny, well-drained sites. Great filler. Germ: W, BC; NST, SIS. *Chanticleer*.

Orn0500 *Ornithogalum longibracteatum* (syn. *Ornithogalum candatum*). FALSE SEA ONION. TenBulb. Sun. 2–3'. Summer.

926-Bulbils. Racemes of green and white flowers from bowiea-like bulb with floppy foliage. Small bulblets pop out of the sides of the bulb. Weird, but fascinating. Not hardy. *Streeter*.

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*.

Orn1500 *Ornithogalum sintenisii*. Bulb. Sun/PtShade. 4 x 8"; 4" in bloom. Spring.

199-White flowers. An easy, early blooming species with low, flat clusters of white flowers in early spring. Similar to, but easier than, *O. balansae*. Leaves emerge in autumn, protect from rabbits. Very rare. *Cresson*.

Ost1010 *Ostrya virginiana*. AMERICAN HOP HORNBEAM, IRONWOOD. Tree. Sun/PtShade. 50 x 40'.

2137-Light green blooms. A small to medium-sized, understory tree with a generally rounded crown. Typically grows 25–40' tall with a slightly smaller spread. Features birch-like, oval to lance-shaped, sharply-serrated, dark yellowish-green leaves (to 5" long). Female catkins are followed by drooping clusters of sac-like, seed-bearing pods which, as the common name suggests, somewhat resemble the fruit of hops. Germ: Cycle: Stored seed requires stratification, 3 mo warm then 5 mo cold usually works well but germination can take 18 mo. Sowing green seeds will give the best germination rate. *Boylan*.

Pae1550 *Paeonia japonica*. Per. Sun/PtShade. 18". Late Spring.

208-Lovely white flowers followed by red/black seedpods. Will grow in shade. Germ: Cycle. *Dahlke*.

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*.

951-White flowers. A lovely species peony for woodland gardens. Showy seedpods. Terrific drought tolerant perennial, with good form and long bloom. Germ: OW. *Tracey*.

Pae3600 *Paeonia obovata*. Per. Sun/PtShade. 2–3 x 2–3'. Spring.

200-Pink, single flowers. Gorgeous seedpods, can be slow to germinate. Germ: CMS. *Creveling*.

558-Deep pink, single flowers. Vigorous woodland peony. 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*.

Pae3700 *Paeonia obovata* var. *alba*. WHITE OBOVATE PEONY. Per. Sun/PtShade. 24 x 20". Spring.

2685-White blooms with yellow antlers, red stamens. *Hurewitz*.

Pae4500 *Paeonia ostii*. TREE PEONY. Per. Sun/PtShade. 5 x 10'. Spring. Zone 4–8.

1684-Large pure white flowers centered by a burgundy/yellow boss of anthers. A nice one. Germ: Not too hard from seed if you follow the directions: start at room temperature in some moist mixture for about a mo, until a strong root develops, then place in cold conditions for 2 mo, during which time the roots will branch out. Leaves develop 1–2 wk after returning to room temperature. First flowers appeared in the fourth year for me, and have become more abundant in the following years. *Broekhuis*.

2430-White blooms. Takes a few years to establish but then grows quickly. Large, ruffled flowers and long-lasting foliage. Germ: Scfy, Soak, Cycle: WMS 5 wk (root development), CMS 8 wk, WMS until leaf develops. *Constantine*.

3001-White flowers. A woody paeonia, once listed as a cultivar of *P. suffruticosa*. To 3–5 x 3–5'. Germ: Soak: 24 hr; Cycle: Start warm for root development, then cold for leaf, or start outdoors. May require treatment for double dormancy. *Gregg*.

Pae4990 *Paeonia suffruticosa*. TREE PEONY. Shrub. Sun/PtShade. 4–5 x 4–5'. Late Spring.

45-Pink, rarely white blooms. Not easy, but think of the bragging rights, “I grew that from seed.” Worth the effort. This seed is from a pink-flowered single seedling from a Rock’s Variety peony. Germ: WMS: 70 d, then CMS, then WMS. Maximum germination: don’t give up for at least 3 yr. Protect seeds and seedlings from mice. *Bartlett*.

2685-Red and white blooms. Parent is *Paeonia suffruticosa* ‘Shimanishiki’. Flowers can be variable on same shrub. *Hurewitz*.

Pan0100 *Panicum amarum*. BITTER PANICGRASS. Grass. Sun/PtShade. 3–4 x 2–3'. Fall. Zone 2–9.

703-Perennial grass. Clump-forming; 5–6' tall. Develops a broad, arching form as the seeds ripen in late summer and fall. *Ondra*.

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*.

951-Light orange flowers. Self sows. Blooms May-June. Grows well in poor soil. Germ: NST. *Tracey*.

Pap0470 *Papaver atlanticum* ‘Semiplenum’. MOROCCAN POPPY. Per. Sun. 3 x 6–9"; to 2' in bloom. Summer.

1684-Orange flowers. The semidouble flowers just keep on coming on tall stalks carried over a rosette of felty green foliage that stays presentable through the season. Germ: NST; L; W, 1–2 wk. *Broekhuis*.

Pap1010 *Papaver orientale*. ORIENTAL POPPY. Per. Sun. 3 x 3'. Late Spring/Early Summer.

926-Bright red flowers. *Streeter*.

Pap2250 *Papaver rhoeas*. CORN POPPY, FLANDERS POPPY. An. Sun. 2–3 x 1'. Summer.

84-Red, pink, or white flowers. Blooms well until hot weather discourages flowering. Dislikes summer heat. Colorful annual poppy. Germ: SIS. Sow outdoors fall or early spring. Self-sows. *Bowditch*.

Pap2270 *Papaver rhoeas* (orange). CORN POPPY, FLANDERS POPPY. An. Sun. 12–18 x 12–15". Spring–Summer.

199-Terracotta orange-red flowers. Self-sowing annual for June bloom in the cottage garden. *Cresson*.

Pap2800 *Papaver somniferum* (all colors). OPIUM POPPY. An. Sun. 4 x 1'. Summer.

3262-Dark purple flowers. *Grindrod*.

Pap3250 *Papaver somniferum* (coral, double). CARNATION POPPY. An. Sun. 4 x 1'. Summer.

318-Deep-coral, double flowers. Germ: L; SS; SIS; Rtp. *Garnett*.

Pap3270 *Papaver somniferum* (coral, single). OPIUM POPPY. An. Sun. 4 x 1'. Summer.

318-Germ: SS; SIS. *Garnett*.

Pap3350 *Papaver somniferum* ‘Drama Queen’. OPIUM POPPY. An. Sun. 2–3 x 1'. Summer.

1759-Red blooms with purple fringe. *Vernick*.

Papaver somniferum 'Lauren's Grape' – *Persicaria orientalis*

- 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: SIS. Sow outdoors spring or fall. *Bowditch*.
318-Grape-purple flowers. Single. Germ: SS; SIS. *Garnett*.
554-Purple flowers. Germ: NST; SIS. *Levine*.
- Pap3550** *Papaver somniferum* (mixed colors). BREADSEED, OPIUM, CARNATION POPPY. An. Sun. 2–4 x 1'. Summer.
239-Mixed, mostly pink blooms. Sow in the snow with the *Consolida ambigua* for a wonderful color combination of filler plants. Germ: SIS. In winter, sow seeds where colorful display is wanted. What could be easier or more rewarding? *Doering*.
- Par1650** *Paradisita 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. Southern Europe. 5' tall. *Cresson*.
- Par1800** *Parasenecio delphiniifolia* (syn. *Cacalia delphiniifolia*). SHIDOKE, MAPLE UMBRELLA. Per. Shade/PtShade. 8"; to 40" in bloom. Late Summer–Early Fall.
5024-White blooms. An enthusiastic, self-sower in our woodland. Reportedly edible. Germ: SIS. *Iroki Garden*.
- Par1900** ×*Pardancanda norrisii*. CANDY LILY. Per. Sun. 1½ x 1'. Summer.
45-Mostly red and orange blooms, some blue, purple, or yellow. Easy to grow, some with curiously marked flowers. Germ: NST. Often flowers the second year. *Bartlett*.
2515-Different take on the blackberry lily. Colors of the flowers can be speckled variations of orange and red. *Doblmaier*.
- Par4010** *Parthenium integrifolium*. WILD QUININE. Per. Sun/PtShade. 2–4 x 1–2'. Summer–Fall.
703-Perennial. *Ondra*.
2294-White blooms. Cauliflower-looking flowers, long-blooming perennial, 3–4' high. *Squitiere*.
2429-*Bricker*.
- Par5500** *Parthenocissus quinquefolia*. Vine. Sun/PtSun. 30–50 x 5–10'. Zone 3–9.
2294-Native vine, aggressive, great fall color with blue berries. Great food for wildlife, not for humans, poisonous. vines adhere with disc pads, no damage to surfaces. *Squitiere*.
- Pas1050** *Passiflora incarnata*. MAYPOPS, HARDY PASSIONFLOWER. Per. Vine. Sun. 20'. Summer.
199-Purple-blue flowers. Native herbaceous vine with a very tropical appeal. Blooms July–September. Edible fruit in fall. *Cresson*.
- Pat2050** *Patrinia scabiosifolia*. GOLDEN LACE. Per. PtShade/Shade. 3–6 x 1½–2'; from 3–5' in bloom. Summer. Zone 5–8.
703 -Yellow umbel flowers in August and September. *Ondra*.
- Pat2050** *Patrinia scabiosifolia*. (Continued)
1865-Yellow blooms from midsummer to fall in part shade to sun. Germ: W. *Bennett*.
2294-Long, yellow blooms. Perennial, full sun, see-through plant. *Squitiere*.
2429-*Bricker*.
- Pel0500** *Pelargonium appendiculatum*. Per. Sun/PtShade. 6–12". Late Winter/Early Spring. Zone 9b–10.
554-Yellow blooms. Unusual caudiciform species pelargonium; grows in winter, dormant in summer. Give seedlings two years of growth before allowing them to dry out and go into dormancy. Germ: NST. *Levine*.
- Pel0600** *Pelargonium crithmifolium*. SAMPHIRE-LEAVED PELARGONIUM. Per. Sun/PtShade. Late Spring/Early Summer. Zone 10b–11.
554-Caudiciform species; blooms in winter, dormant in summer. Give seedlings 2 yr growth before allowing dormancy. Germ: NST. *Levine*.
- Pel2050** *Peltoboykinia watanabei*. Per. PtShade/Shade. 18 x 18". Late Spring.
199-Yellow blooms. Japanese woodland plant with greenish-yellow flowers in summer. *Cresson*.
2137-*Boylan*.
- Pen2230** *Penstemon cardinalis* subsp. *cardinalis*. SCARLET PENSTEMON, PRIDE OF THE MOUNTAIN. Per. Sun. 1½–2'. Summer. Zone 5–10.
1684-Red blooms in June and July. *Broekhuis*.
- Pen3050** *Penstemon digitalis* 'Husker Red'. FOXGLOVE, BEARD TONGUE. Per. Sun/PtShade. 4 x 1'. Summer.
318-White/pink flowers. *Garnett*.
- Pen3750** *Penstemon grandiflorus*. LARGE BEARD TONGUE. Per. Sun. 3½' x 10". Summer.
446-Germ: CMS 6–8 wk. Germinated in 10 d after shift from 40°F to 60°F. *Humphrey*.
- Pen4500** *Penstemon hirsutus*. HAIRY BEARD TONGUE. Per. Sun/PtShade. 8–12 x 8–12". Summer.
1684-Lavender blooms. Mid-height, upright penstemon with downy-hairy flowers in late spring. Very robust, and one of a very few penstemons that is happy enough to reseed for me. Germ: W, L. *Broekhuis*.
- Pen5300** *Penstemon smallii*. SMALL'S BEARDTONGUE. Per. Sun/PtShade. 6 x 6"; to 1' in bloom. Spring–Summer. Zone 5+.
1865-Lavender-purple blooms in late spring, 1–2' tall. Germ: CMS: 3 mo; W; L. *Bennett*.
- Per2500** *Persicaria amplexicaulis* 'Firetail'. MOUNTAIN FLEECE. Per. PtSun/PtShade. 3–4 x 3–4'. Summer–Fall.
199-Reddish-pink blooms. Heart-shaped leaves and numerous spikes of deep reddish-pink flowers over a very long period. Cut back mid-summer if necessary to rejuvenate. *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. Lushest 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.

199–Red blooms. Foliage variegated with pink and white, comes true from self-sown seed. Very good for dry shade. *Cresson*.

Pet2200 *Petunia exserta*. Per. Sun/PtSun. 2 x 2'. Summer. Zone 9b–11.

199–Red blooms. Rare and endangered, introduced in 2007 from southern Brazil, it is the only petunia adapted to hummingbird pollination. Easy to grow, flowering from early summer to hard frost and self-sowing discreetly. Let it weave among other plants or grow in hanging basket. From Peter Zale, Curator, Longwood Gardens. *Cresson*.

2515–Red flowers. *Doblmaier*.

Peu1350 *Peucedanum ostruthium*. MASTERWORT. Per. Summer.

3262–White blooms. A very nice umbel, flowers about 18". Attractive foliage. *Grindrod*.

Peu1360 *Peucedanum ostruthium* 'Daphnis'. MASTERWORT VARIEGATED. Per. PtShade/Shade. 12–18". Early Summer.

65–*Berger*.

558–*Astrantia* look-alike with variegated foliage. Plant from Broken Arrow. *Lewis*.

Peu1400 *Peucedanum verticillare*. HOG'S FENNEL, MILK PARSLEY. Per. Sun/PtSun. 6–10 x 2–3'. Summer.

32–Greenish white and yellow flowers on glaucous, purple stems, to 70–80". *Plant Delights*.

Pha0200 *Phacelia bipinnatifida*. FERNLEAF PHACELIA. Bien. PtShade/Shade.

2294–Great biennial plant with lavender blooms. Leaves grow the first spring until it goes dormant in late fall. The next spring they emerge and bloom for about a month, 12–15" tall. Self sows, so you'll always have them. Best in part shade. Germ: NST. SIS. *Squitiere*.

Pha0350 *Phaseolus coccineus*. SCARLET RUNNER BEAN. An. Vine. Sun. 6–8+ x 1½'. Summer–Fall.

200–Red blooms on annual vine to 6–8'. *Creveling*.

Phl0100 *Phlomis russeliana*. JERUSALEM SAGE. Per. Sun/PtShade. 3–4 x 2'. Summer.

199–Yellow blooms. Gray, felty, heart-shaped basal leaves. Spikes of tubular yellow flowers in early summer. *Cresson*.

Phl0200 *Phlomis tuberosa*. Per. Sun. 1 x 1½'; 3–5' in bloom.

199–Purplish pink flowers. Summer bloom on tall spikes to 6' above large basal leaves. Drought tolerant. *Cresson*.

1607–Pink blooms. Large green leaves, whorls of soft pink tubular flowers on an easy-to-grow, drought tolerant plant. Germ: W. *Jellinek*.

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*.

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*.

Phy1300 *Phytolacca americana* 'Silberstein'. VARIEGATED POKEWEED. Per. Sun/PtShade. 3–4'. Late Spring–Midsummer.

3006–A diminutive form of pokeweed, heavily variegated, almost white at times. Plant only grows to about 4 x 4' in first year or two. Germ: OW; SIS. Fits nicely into both polite or wild borders. Seed from N. Ondra, 2013. *Mayer*.

Phy1400 *Phytolacca americana* 'Sunny Side Up'. POKEWEED. Per. Sun/PtShade. 4–6'. Late Spring–Midsummer.

32–White blooms with dark purple berries to 7' tall. *Plant Delights*.

3006–Interesting cultivar with lovely chartreuse leaves in spring, becoming more mottled and darker green in summer (in shade.) Spectacular paired with Peony '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*.

Pla1050 *Plantago major* 'Atropurpurea'. RED-LEAF PLANTAIN. Per. Sun/PtShade. 12–18".

703–Green blooms. Clumps of broad, deep purple leaves. Will self-sow if not deadheaded. *Ondra*.

Pla2000 *Platycodon grandiflorus* (syn. *Campanula glauca*). BALLOON FLOWER. Per. Sun/PtShade. 2–3' x 12–15". Summer.

215–Blue blooms. *DeMarco*.

318–Blue flowers. *Garnett*.

1277–Blue flowers, 2'. *Haas*.

1585–Blue flowers, maybe some whites. Seed may include doubles. Germ: NST. *Scofield*.

Pla2300 *Platycodon grandiflorus* 'Axminster Streaked'. BALLOON FLOWER. Per. Sun/PtShade. 3 x 1; to 3' in bloom. Summer.

2294–Blue/white streaked flowers blooms. You may get a seedling with the usual blue only flower, but nearly all have the blue/white streaking. *Squitiere*.

Pla3150 *Platycodon grandiflorus* (pink form). BALLOON FLOWER. Per. Sun/PtShade. 30 x 30". Summer.

215–Mauve blooms. *DeMarco*.

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*.

Pol2700 *Polygonatum biflorum*. SOLOMON'S SEAL. Per. PtShade/Shade. 1–5 x 3'. Spring/Summer.

926–White flowers with green tips. Graceful arching woodlander with pendant flowers followed by blue fruit. Propagation slow, but worth the wait. Do not let the seed dry out before sowing — keep moist. Germ: CMS; Cycle 40°—70°—40°—70°; Sow ASAP. *Streeter*.

Polygonatum biflorum – *Ratibida columnifera*

Pol2700 *Polygonatum biflorum*. (Continued)

965-Greenish white blooms. A quiet, native woodlander growing in moist shade with graceful arching stems. Flowers in spring and has blue berries in fall before turning butter yellow. Wonderful to line path edges and as a complement to ferns. Germ: CMS. *Umphrey*.

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*.

Pol3000 *Polygonatum* hybrid. SOLOMON'S SEAL. Per. PtShade/Shade. Spring/Summer.

951-White blooms. One of the tallest forms. Stalks reach 4½–5' before beginning to arch slightly. Purchased from Blanchette Gardens Years ago. Germ: CMS; Cycle: 3–4 mo cold moist, then warm; R, OW. Slow to germinate. *Tracey*.

Pol3300 *Polygonatum odoratum*. FRAGRANT SOLOMON'S SEAL. Per. PtShade/Shade. 18–36". Spring/Summer.

1865-White bloom, stems red to purple. Seeds from 'Chollipo'. Germ: May take several 70/40/70 cycles. *Bennett*.

Por3050 *Portulaca grandiflora*. MOSS ROSE. An. Sun. 4–6 x 8–12". Summer.

2294-Mixed blooms. Annual succulent ground cover. Hot dry areas. *Squitiere*.

Pot0200 *Potentilla atrosanguinea* 'Rot'. Per. Sun/PtSun. 12 x 18". Spring/Summer. Zone 5–9.

199-Red blooms. Grayish hairy strawberry-like foliage. Branched stems bear clear red flowers in late spring/early summer. *Cresson*.

Pot2010 *Potentilla rupestris*. CINQUEFOIL. Per. Sun. 15 x 15".

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*.
507-White blooms. Nice in late spring. Seeds around lightly, but generally welcome. *Kolo*.

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*.

Pri2000 *Primula japonica*. JAPANESE PRIMROSE, FAIRY PRIMROSE. Per. PtShade. 12–15 x 15–18"; to 18–24" in bloom. Spring.

208-Deep pink flowers. Candelabra primrose; 3–4' tall with basal leaves. *Dahlke*.

1277-*Haas*.

Pri2150 *Primula japonica* (mixed colors). JAPANESE PRIMROSE. Per. PtShade. 3 x 6; from 1½–2' in bloom. Spring–Summer.

199-Mixed colors, include red, white and pink/white striped. 2 x 1'. May bloom. *Cresson*.

Pse1000 *Pseudogynoxys chenopodioides* (syn. *Senecio confusus*). MEXICAN FLAME VINE. TenVine. Sun. 6–12 x 3–6'. Summer–Fall. Zone 9–10.

200-Bright orange blooms on gorgeous, tender perennial, from cuttings, 10–15'. Cultivar 'Rio'. Germ: BH; L. *Creveling*.

Pse2000 *Pseudolarix amabilis*. GOLDEN LARCH. Tree. Sun. 20–60'. Zone 4–8.

522-Foliage color is chartreuse/yellow. A tree deserving of good placement to enjoy its elegant structure. Deciduous. Golden needles in the autumn. Mature trees at 60'. Amazing cones. *Kushner*.

Pte0100 *Ptelea trifoliata* 'Aurea'. GOLDEN HOP TREE, WAFER-ASH. Tree/Shrub. Sun/PtShade/Shade. 15–20 x 15'.

703-White blooms on deciduous tree. Bright yellow foliage; comes true from seed. *Ondra*.

Pte0300 *Ptelea trifoliata* 'Variegata'. VARIEGATED HOP TREE. Shrub. PtShade. 15–20 x 12–15'. Summer. Zone 5–9.

1277-White flowers. Unusual small tree from seed of the gold ptelea which mutated to a variegated form. Have not found this form listed in any book, so it is rare. They usually come gold. *Haas*.

Pte0510 *Pterostyrax hispida*. FRAGRANT EPAULETTE TREE. Tree/Shrub. Sun/PtShade. 50 x 40'. Spring–Summer.

1277-White, small tree (20–30') with unusual flowers. Germ: CMS; 90 d. *Haas*.

1607-White flowers on deciduous tree/large shrub bearing fragrant, fringed, bell-shaped, creamy white flowers that droop in pendulous clusters (5–10" long) in late spring to early summer. *Jellinek*.

Pti0100 *Ptilostemon diacantha*. Summer.

2937-Lavender blooms in July and August. A nasty, spiny, biennial in the thistle family. The spines will make you question your sanity, but the marbled silvery foliage is worth it. *Bittmann*.

Pyc1050 *Pycnanthemum muticum*. MOUNTAIN MINT. Per. Sun. 2½ x 1½'. Summer–Fall.

2294-White blooms on native mint, a spreader. Worth planting if you have room in a relaxed, wilder area. Every bug in the county will feed on it. *Squitiere*.

Pyc3000 *Pycnanthemum tenuifolium*. SLENDER MOUNTAIN MINT. Per. Sun/PtShade. 2–3'. Summer.

817-White blooms for about 2 mo. A superb nectar source for pollinators. Showy enough for garden display. Charcoal gray seed heads showy all winter, like mini *Sedum* 'Autumn Joy's. Not an aggressive spreader. Seed from the cv. 'Cat Springs', but the wild type was close by. *Ruhren*.

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. Lovely supported by adjacent shrubs. Height 4–5'. *Cresson*.

Rat3000 *Ratibida columnifera*. MEXICAN HAT. Per./An. Sun. 3–5 x 2'. Summer.

446-Reddish brown flowers. Germ: NST. *Humphrey*.

Rho0500 *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*.

Rhe1100 *Rheum palmatum* var *tanguticum*. CHINESE RHUBARB. Per. Sun/PtShade. 6–8'. Midsummer. Zone 5–9.

3262-Red blooms. Parent plant flowered to 7' tall. *Grindrod*.

Rho1350 *Rhododendron* × *austrinum* 'Whitneys Special' × 'Gibralter'.

3177-From the late Dr. Whitey Hall's selection. *Gibson*.

Rho3500 *Rhododendron prunifolium*. PLUMLEAF AZALEA. Shrub. PtShade. 8–12'. Summer. Zone 5–8.

1639-Stunning pinkish-orange to bright red blooms on a 15' shrub that grows along wooded ravines and stream banks. One of the rarest azaleas in the US; it only grows natively in a few counties in Georgia/Alabama. Collected from the Arboretum of the Barnes Foundation. *Bobb*.

Rho4000 *Rhododendron schlippenbachii*. Shrub. PtShade. 8 x 5'. Spring.

1639-Shades of pink to white blooms on a fine deciduous azalea in late April and early May. Collected from the Arboretum of the Barnes Foundation. *Bobb*.

Rho8050 *Rhodotypos scandens*. Shrub. 4 x 4'. Spring.

507-White flowers. Blooms are single and rose-like. They're followed by persistent jet-black berries. *Kolo*.

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. *Mayer*.

Ric1230 *Ricinus communis* 'Carmencita Red'. CASTOR BEAN. TenPer. Sun. 6–9'. Summer.

2515-Red flowers. All parts of this plant are poisonous. Leaves are large and maroon colored. Another great castor bean for a container. Germ: BH. *Doblmaier*.

Ric1300 *Ricinus communis* 'Impala'. CASTOR BEAN. An. Sun. 5 x 3'. Summer.

2515-Red-purple palmate leaves on plant that grows to 4'. 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*.

Rod1100 *Rodgersia tabularis* (syn. *Astilboides tabularis*). SHIELDLEAF ROGER'S FLOWERS. Per. Sun/PtShade. 3–4'. Late Spring–Summer. Zone 3–9.

558-White blooms. Tall moisture and shade-loving perennial with striking large leaves. Germ: NST. *Lewis*.

Roh1050 *Rohdea japonica*. NIPPON LILY, SACRED LILY. Per. PtShade/Shade. 12–18". Spring. Zone 6–10.

3001-Slow-growing Asian broad leaf shade perennial to about 14". Forms clumps over time. Mature plants produce red berries in late fall. Germ: Overnight soak, then CMS 2 mo. *Gregg*.

Roh1100 *Rohdea japonica* 'Galle'. NARROWLEAF SACRED LILY. Per. PtShade/Shade. 12 x 18". Zone 6–10.

199-Cream-colored blooms. Narrow-leaved form has proven hardy and vigorous. Red fruit in fall. Very drought and deer tolerant. *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*.

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*.

Rud1600 *Rudbeckia fulgida* var. *fulgida*. ORANGE CONEFLOWER. Per. Sun. 2–3 x 2–3'. Late Summer–Fall.

2294-Yellow/black blooms. This is straight fulgida, not Goldsturm. Flowers a little smaller than Goldsturm. I was tired of my Goldsturm's leaves turning black mid-August every year. They're gone, these keep the green all season. *Squitiere*.

Rud1850 *Rudbeckia fulgida* var. *sullivanii* 'Goldstrum'. Per. Sun. 12 x 12"; to 2' in bloom. Summer–Fall.

1277-A workhorse of a plant. Blooms almost all summer and into fall. *Haas*.

Rud2700 *Rudbeckia hirta*. GLORIOSA DAISIES. Bien./Per. Sun. 3 x 3'. Summer–Fall.

2294-Yellow blooms on annual daisy of unknown variety. Seeds in a bit; I have volunteers yearly. *Squitiere*.

Rud2850 *Rudbeckia hirta* 'Gloriosa'. GLORIOSA DAISY. Bien./Per. Sun. 3 x 3'. Summer.

446-Yellow and red flowers. Blooms are single, 4" across. An old favorite. Germ: NST; W, 7 d. *Humphrey*.

Rud3100 *Rudbeckia hirta* 'Prairie Sun'. BLACK-EYED SUSAN.

2294-Blooms with yellow outer, orange interior petals, and green eyes. *Squitiere*.

Rud4050 *Rudbeckia maxima*. GIANT CONEFLOWER. Per. Sun/PtShade. 6 x 2'. Summer.

2294-Yellow blooms on tall perennial coneflower with glaucous leaves. Average, moist, well-drained soils in full sun. Tolerates light shade, heat, some drought, and wide range of soils. Best in moist, organically rich soils. *Squitiere*.

2515-Yellow blooms. Tall coneflower with glaucous blue leaves. Tolerates a wide range of soils—have it in a dry location and a very moist location. Loves full sun. *Doblmaier*.

Rudbeckia triloba – *Salvia coccinea*

Rud5100 *Rudbeckia triloba*. BLACK-EYED SUSAN, BROWN-EYED SUSAN. Bien./Per. Sun/PtShade. 5 x 3'. Summer–Fall.

1585—Flowers orange with brown centers. Clouds of small orange daisies cover branches in late summer, attracting both bees and butterflies. Germ: NST. Self-sows. *Scofield*.

Rue0300 *Ruellia caroliniensis*. CAROLINA WILD PETUNIA, HAIRY PETUNIA. Per. Sun/PtShade. 6–36 x 6–9". Summer. Zone 6–10.

199—Pinkish purple blooms. Upright clumps 1–2' tall. June–August bloom. Tolerates dry shade. *Cresson*.

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*.

Rue1150 *Ruellia humilis* var. *humilis*. Per. Sun/PtShade. 1 x 1'. Summer.

199—Rose-pink flowers. Dry shade. Native. Acanthaceae. *Cresson*.

Rut1010 *Ruta graveolens*. COMMON RUE. Per. Sun. 2 x 2'. Summer.

592—Yellow blooms. Blue-green foliage, handsome most of the year. Self sows, transplants readily. Good for hedge, mixed border, and bouquets. Some skins allergic. Black swallowtail food plant. Germ: SIS, NST. *Malocsay*.

Sab1100 *Sabatia kennedyana*.

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*.

Sag1000 *Sagittaria latifolia*. BROADLEAF ARROWHEAD, DUCK-POTATO, WAPATO. Per. Sun. 1–4 x 1–3'. Summer. Zone 5–10.

2294—White blooms. Edible (roots) pond plant. *Squitiere*.

Sal0200 *Salvia* 'Amistad'. AMISTAD PURPLE SALVIA. TenPer. Sun. 3–4'. Zone 8–10.

200—Purple 'Black and Blue' prolific bloomer. Flowers all season. 3–4'. *Creveling*.

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*.

Sal0650 *Salvia azurea* 'Nekan'. Per. Sun. 2–4 x 2–3'. Summer–Fall.

1580—Rich light blue blooms. This amazing perennial can easily reach 6' in height. If a shorter version is desired, pruning in early August works well. That produces a 4' plant. Found this at a Scott Arboretum plant sale. Seems rare as I haven't seen it anywhere else. A good grower for full sun and poor soil. Very lovely, late-blooming (Sept–Oct) perennial. Germ: NST. *Romenesko*.

Sal0950 *Salvia chamaedryoides*. GERMANDER SAGE. Ten-Per. Sun. 18 x 18". Summer–Fall.

84—Sky blue flowers. Gray foliage a plus. Attracts butterflies and hummingbirds. Tender perennial in zone 6. *Bowditch*.

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, 7 d. *Humphrey*.

1939—Red blooms. Great filler in the summer and fall. Germ: NST. Deadheading prolongs bloom, but self sows easily if seedpods are allowed to form. *Urffer*.

2294A—Red flowers. Great for hummers and bees. Easy. Just scatter seeds. Self-sows. Deadhead for continuous bloom until frost. Germ: NST. *Squitiere*.

Sal1100 *Salvia coccinea* 'Brenthurst'. An. Sun. 20–30 x 12". Summer–Fall.

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, 10 d. *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*.

817—Superb annual, this seed strain differs only in color from the typically scarlet *S. coccineus*. 3–6' tall blooming up to a killing frost. Generally reseeds each year. Germ: W; NST. *Ruhren*.

2108—Peach—light to dark on same bloom. An award-winning cultivar of tropical sage with a multitude of peachy pink-to-coral flowers larger than those of its bigger cousins. It is perfect for annual flower beds or patio containers. It will self seed though not so vigorously as 'Lady in Red'. Plant it in full sun or partial shade. 'Coral Nymph' is long blooming and reliable. Germ: SIS. *Yeager*.

2294—Long-bloomer with deadheading. Easy. Scatter seed. Hummers and bee plants. Reseeds politely. Germ: NST. *Squitiere*.

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*.

1277—Red flowers. Airier than *S. splendens*. Germ: NST, W. *Haas*.

2108—Bright pinkish red blooms—a great red-flowering tropical sage and a 1992 winner of an All American Selections award. The lush flower spikes of 'Lady in Red' draw butterflies, honey bees, and hummingbirds to the rich nectar of this Southern species and American native. Fuzzy and shaped like elongated hearts, the dark-green leaves of 'Lady in Red' are heavily veined and have serrated edges. The fragrant foliage contrasts dramatically with the long-blooming flowers. Tolerant of wet soil but thrive anywhere. Prefers full sun. Seeds itself enthusiastically. Germ: SIS *Yeager*.

2483—*Barrett*.

- Sal1600** *Salvia farinacea* 'Victoria'. An. Sun. 3½ x 2½'. Summer–Fall. Zone 8–10.
200–Blue blooms. Compact annual. Great for containers. *Creveling*.
1277–Purple-blue flowers. Wonderful plant. Somewhat slow to get growing, but once started, it never stops until frost. Comes true from seed. Good for pressing and drying. *Haas*.
- Sal2350** *Salvia guaranitica*. ANISE-SCENTED SAGE. An./TenPer. Sun/PtShade. 5 x 2'. Summer–Fall.
522–Brilliant, true-blue flowers. Blooms for months. *Kushner*.
- Sal2360** *Salvia guaranitica* 'Argentina Skies'. ARGENTINA SKIES ANISE SAGE. Per. Sun/PtShade. 4–6'. Zone 6–10.
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*.
318–Deep, true blue. (Species more a violet blue.) Amazing. Couldn't believe its height. Apparently there are two strains of 'Black and Blue'. My plants in 2005 grew to a height of 8–10' and blooms started Oct 1. In 2006 plants were shorter and blooms started in July! *Garnett*.
- 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 yr in a protected spot by my polyhouse, and I am zone 6A! Try it. Germ: BH. *Haas*.
- Sal4050** *Salvia penstemonoides*. GIANT RED TEXAS SAGE. Per. Sun/PtShade. 3–5' x 12". Summer–Fall. Zone 6–9.
32–Red blooms on native 3' tall with 3–5' flower stalks. *Plant Delights*.
- Sal4200** *Salvia pratensis*. MEADOW CLARY. Per. Sun/PtShade. 1–3 x 1–3'. Summer. Zone 3–7.
703–Purple-blue blooms. Perennial. Seed collected from 'Twilight Serenade', so it should produce mostly deep purple-blue flowers, but there may be a few bicolor or pink ones. *Ondra*.
- 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.
522–A tall coral peach salvia. Mine grew to 5' and started blooming in June–October. *Kushner*.
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*.
- Sal4950** *Salvia subrotunda*. TenPer. Sun/PtShade. 3–4 x 2–3'. Late Spring–Early Fall.
2515–Tall salvia that blooms from June until frost. A great red flower that attracts hummingbirds. *Doblmaier*.
- Sal5300** *Salvia uliginosa*. BOG SAGE. An./TenPer. Sun. 4–6 x 3'. Late Summer–Fall. Zone 6–10.
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*.
- San1400** *Sanguisorba obtusa*. JAPANESE BURNET. Per. Sun/PtShade. 2½ x 2'. Summer–Fall.
199–Spikes of pink blooms July to Sept. 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*.
- San1830** *Sanguisorba tenuifolia* 'Alba'. WHITE ORIENTAL BURNET. Per. Sun/PtShade. 3–5 x 2'. Summer/Early Fall. Zone 5–8.
703–Perennial. White flowers in late summer on 5–6' tall stems. *Ondra*.
- San1840** *Sanguisorba tenuifolia* 'Atropurpurea'. SLENDER-LEAF BURNET. Per. Sun/PtShade. 2–3 x 1½–2'. Midsummer–Early Fall. Zone 5–8.
817–Burgundy blooms. 5–6' tall sprays of burgundy cylindrical flower heads. Very architectural. Showy for quite a long time. The rare sanguisorba that grows in zone 7. *Ruhren*.
- 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*.
703–Purple-red blooms in August and September. *Ondra*.
- San2500** *Sanseveiria arborescens*. TenPer. PtSun/PtShade. 3'. Winter.
199–White blooms. After 40 yr from a cutting, this houseplant finally bloomed and produced a few seeds. Leaves tall and cylindrical or round in x-section. Flowers very fragrant. *Cresson*.

Saponaria officinalis – *Scutellaria*

Sap1000 *Saponaria officinalis*. SOAPWORT, BOUNCING BET.

1585-White flowers, tinged with pink. Open flower heads on angled 18" stalks. Intensely fragrant at night. Leaves produce a gentle lather (useful near an outdoor faucet). Germ: NST. *Scofield*.

Sar1450 *Sarracenia flava*. Per.

1114-Yellow flowers. Cold hardy to zone 5. Produces tall wide-mouthed tubes from April to June, with large, fragrant yellow 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 3, 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.

199 -Yellow flowers. Charming shade plant with heart-shaped leaves. Flowers at least 2 mo in spring, or longer in cool weather. Sows itself into interesting places without becoming weedy. *Cresson*.

Sau1050 *Sauromatum venosum*. VOODOO LILY. TenBulb. PtShade. 1½'. Spring/Summer.

926-Yellowish or greenish white, spotted purple arisaema relative, 3' tall with a single leaf, foul-smelling flower. Remove offsets when dormant in winter. Reduce watering in fall, keep dry in winter. *Streeter*.

Sca1000 *Scabiosa atropurpurea*. PINCUSHION FLOWER.

592-Scabious red purple blooms with pink anthers. Annual. Great bouquets, pincushion color contrast striking up close. Second sowing compensates for ranginess. Deer/woodchuck leave it alone. Germ: NST. *Malocsay*.

Sca1500 *Scabiosa crenata*. DWARF SCABIOSA.

1277-Charming blue scabiosa flowers on 8" stalks arising above 4" mounds of green foliage. Great trough or rock garden plant. Needs dry conditions. Perennial; sun. Germ: CMS: 90 d. *Haas*.

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*.

Sca2400 *Scadoxus* 'Konig Albert' ('King Albert'). Bulb.

199-Red blooms. German hybrid *S. puniceus* × *S. multiflorus* subsp. *katherinae*. Bright red flowers. Spherical flower heads, 2' high in summer. Wide, nearly evergreen foliage. Red berries, fall/winter. Easy tropical pot plant. Warm or cool and nearly dry in winter, like clivia. Likes my shaded patio in summer. *Cresson*.

Sch1500 *Schizachyrium scoparium*. LITTLE BLUESTEM. PerGrass. Sun. 2–4 x 3'. Summer.

647-Native prairie grass. Germ: SIS, NST. *Mirick*.

703-*Ondra*.

Sci1010 *Scilla autumnalis*. AUTUMN SCILLA. Bulb. Sun/PtShade. 2"; to 12" in bloom. Summer–Fall.

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*.

2481-Mauve pink flowers. Late summer blooming, 10" tall and tough as nails. Germ: OW; BC; NST. *Vukich*.

Sci2010 *Scilla scilloides* (early form). CHINESE SCILLA. Bulb. Sun/PtShade. 2'. Summer.

199-Summer dormant until bloom in August. Very hardy. Best in at least part sun. May seed very freely. *Cresson*.

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*.

Scu0100 *Scutellaria alpina*. ALPINE SKULLCAP. Per. Sun/LtShade. 4–12". Late Spring–Summer. Zone 5–10.

558-Purples and pink blooms. Showy rock garden plant with long bloom time. A rock garden workhouse. Germ: CMS; BC. *Lewis*.

Scu0150 *Scutellaria alpina* 'Arcobuleno'. ALPINE SKULLCAP. Per. Sun/LtShade. 4–12 x 12". Late Spring–Summer.

558-Pink blooms and purple blooms. Vigorous skullcap for rock garden, about 6" high. Germ: SR. *Lewis*.

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*.

1017-Blue blooms in July. Easily grown perennial with cool floral color. *Whitesell*.

1865-Pale blue blooms. Well-drained soil in part shade. Germ: W. *Bennett*.

Scu4150 *Scutellaria integrifolia*. SKULLCAP. Per. Sun. 1 x 2'. Summer–Fall.

199-Purple-blue blooms. Eastern native, prolific flowers all summer. *Cresson*.

Scu4300 *Scutellaria lateriflora*. BLUE PIMPERNEL, MAD DOG WEED, DOG SKULLCAP, VIRGINIA SKULLCAP. Per. Sun/PtShade. 3'. Summer–Fall.

522-Bluish purple flowers. Useful front-of-the-border plant blooms for many months. Self-sows freely. *Kushner*.

Scu4900 *Scutellaria* species.

558-Pink blooms. Plant purchased from Oliver's as 'Little Gem'. Has done well in my zone 4/5 rock garden for six years. Germ: NST. Spreads politely. *Lewis*.

Sed0500 *Sedum acre*. GOLDMOSS STONECROP. Per. Sun/PtShade. 6". Midsummer. Zone 4–9.

1939-Yellow blooms in late spring on 2–3" plants. Prefers well-drained soils and full sun. Germ: SIS, NST. *Urffer*.

Sen1800 *Senna hebecarpa*. WILD SENNA. Per. Shade. 4–6 x 2½'. Summer.

199-Branched heads of yellow, pea-shaped blooms. Self-sows in my meadow. Tropical appearance. Native. *Cresson*.

Sen2010 *Senna marilandica* (syn. *Cassia marilandica*). WILD SENNA. Per. Sun/PtShade. 3–6 x 2–3'. Summer–Fall.

965-Yellow flowers. A 4–6' tall, native, summer-blooming legume for sun or part shade and moist to average soils. Foliage stays clean throughout season. May flop a bit if grown in too much shade. *Umphrey*.

1277-Yellow flowers. Blooms spring to fall. *Haas*.

1684-Pale yellow flowers followed by black beans. Bright green foliage. Germ: CMS; W, 2–8 wk after short (2 wk) cold cycle. *Broekhuis*.

Ses1200 *Sesbania drummondii*. RATTLEBOX, POISON-BEAN. Shrub. Sun. 15–20'. Mid–Spring, blooms repeatedly. Zone 8–11.

1999-Yellow blooms with red streaks. Large deciduous shrub. Fine pinnate foliage. Decorative seedpods. POISONOUS. *Norfolk Botanical*.

Sid0900 *Sidalcea neomexicana*. SALT SPRING CHECKER-BLOOM, CREOSOTE BUSH SCRUB. Per. Sun/PtShade. 3'. Midsummer. Zone 4–8.

1999-Pink blooms. Like mini-hollyhocks. Beneficial to native bees. *Norfolk Botanical*.

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*.

2294-Hot pink flowers, glaucous 6" foliage. Cool season grower. Self-seeds. Can bloom in fall after summer self-seeding. Germ: NST. Easy. Scatter seed. *Squitiere*.

Sil0250 *Silene coeli-rosa* 'Blue Angel'. ROSE OF HEAVEN, BLUE GERMAN CATCHFLY. Per. Sun. 12–18". Late Spring–Early Fall. Zone 3–5.

9980-Purple blue blooms. Germ: W; BC. Sow indoors in April, summer bloom. *Chanticleer*.

Sil0270 *Silene chalcidonica* (syn. *Lychnis chalcidonica*). MALTESE CROSS. Per. Sun/PtShade. 4 x 1–2'. Summer.

1684-Red. Germ: NST; BC; W. *Broekhuis*.

2483-Melon-orange blooms. I grew this as a small clump, about 6" wide but 4' tall. It was horrible when it flopped, and the owner of the garden almost ripped it out with his own bare hands. And it died by early June. So, it's a good idea, when growing this plant, to cut it back after blooming and to grow something more attractive both in front and behind with leaves that stay pretty until frost. Vita Sackville-West grew this in her Priest's Garden at Sissinghurst, and no one told her it was ugly. Germ: Self-sows and can be winter sown. *Barrett*.

Sil0550 *Silene dioica*. RED CHAMPION, COCK ROBIN. Per. Sun/PtShade. 12–18 x 15–18". Spring–Fall. Zone 5–11.

1684-Bright pink flowers in May on short-lived perennial. Reseeds. Germ: W; NST. *Broekhuis*.

Sil0800 *Silene dioica* 'Ray's Golden Champion'. RED CHAMPION. Per. Sun/PtShade. 12–24 x 6". Spring.

703-Bright pink blooms. Perennial. Yellow foliage; comes mostly true from seed. *Ondra*.

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, 14–20 d, then C, 30 d. *Humphrey*.

1277-Red flowers. Grow on the dry side. Very similar to *Silene virginica*, Fire Pink. *Haas*.

Sil4260 *Silphium perfoliatum*. CUP PLANT. Per. Sun/PtShade. 8 x 4'. Summer–Fall.

199-Bright yellow daisies July–August for about 6 wk. Adaptable. Bold, strong stems with large, durable, deep green leaves. Needs space but deserves it. A favorite. *Cresson*.

817-Big, bold, and gorgeous. Feeder of butterflies (its flowers) and the birds (its seed). Large leaves clasp the base of the amazingly square stem, forming a cup that holds water. Big heads of yellow sunflower-like flowers. Native herbaceous perennial wanting sun and moisture. *Ruhren*.

3006-Prairie native. Sprays of small 1½" yellow flowers from late summer onwards. May have green or possibly dark purple square stem. Statuesque! *Mayer*.

Sis0900 *Sisyrinchium idahoense*. BLUE-EYED GRASS. Per. Sun. 6 x 12". Spring–Summer.

1684-Purple-blue flowers. Species from the western US, similar to *S. angustifolium*. Lots of yellow-centered, violet-blue flowers over blue-green, narrow iris-like leaves. Good in the rock garden. Germ: CMS: 60 d, WMS: 14 d; W. *Broekhuis*.

Ski2500 *Skimmia japonica* (Giant Form). JAPANESE SKIMMIA. Shrub. PtShade/Shade. 4 x 5'. Spring. Zone 7–9.

199-White blooms. Large leaves and plant habit distinguish this remarkable form from the normally low growing types. White flowers in spring and bright red fruit in fall if a male plant is present. Skimmias thrive in dark, dry, shady locations. *Cresson*.

Smi0030 *Smilacina racemosa*. FALSE SOLOMON'S SEAL. Per. PtSun/PtShade. 1½ x 1½'. Spring.

199-White blooms. Plumy flower heads in spring followed by bunches of red fruit in fall. Grows almost anywhere including dry shade. *Cresson*.

Smyrniium perfoliatum – *Spiranthes cernua*

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*.

Sol0100 *Solanum aethiopicum*. Shrub. Sun/PtSun. Up to 8'. Summer. Zone 9–11.

2515-Whitish purple blooms. The flowers are insignificant. It's the fruit that is most interesting. Leaves and stems have sharp thorns. *Doblmaier*.

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*.

1999-White blooms with purple below. Fuzzy 2"-round orange fruits. Large spiny leaves with purple veins. Thorny. *Norfolk Botanical*.

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*.

2294-White blooms. Woodland plant. *Squitiere*.

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*.

2294-Yellow blooms. *Squitiere*.

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*.

Sol1650 *Solidago flexicaulis*. ZIGZAG GOLDENROD. Per. Sun/PtShade. 2–3 x 1'. Summer–Fall.

2347-Yellow blooms. Germ: SIS. *Eirhart*.

Sol2500 *Solidago ptarmacoides*. UPLAND WHITE ASTER. Per. Sun/PtShade. 12 x 12". Summer.

951-White blooms. Rare in nursery lists, but an easy, always attractive, August-blooming aster with basal clumps of linear foliage and sprays of small white flowers on 15–24" stems. Likes hot, dry, sunny sites. Nice as a cut flower. Germ: BC; NST. *Tracey*.

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 8'. Not well known. A bit of good blue in the spring. Germ: Scfy; 2 yr. A hard seed coat: pour water over seed and let that sit overnight (water will cool). Sow immediately. *Bartlett*.

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*.

3177-Blue on white blooms. 3–4', somewhat thorny shrub with awkward branch structure. Mid-April. *Gibson*.

Sor8600 *Sorghastrum nutans*. INDIAN GRASS. PerGrass. Sun.

647-Orange anthers, flowers have a metallic sheen when backlit. Most elegant of the native prairie grasses. Germ: SIS, NST. *Mirick*.

2429-Tall warm season prairie grass. Germ: CMS, NST. *Bricker*.

Spi1250 *Spigelia marilandica*. INDIAN PINK. Per. Shade/PtShade. 1–2 x 1–2'. Spring–Summer. Zone 5–9.

386-Red and yellow flowers. Brilliant color, no staking, neat foliage. Excellent front-of-the-border plant. Flowers most abundantly in sun, but lasts longer in shade. Decent, humus-enriched soil. Germ: Fresh seeds need NST; Sow it when collected and leave outdoors through the winter. Barely cover seed with soil. Germinates in spring. I've never actually sown seed because it sows around abundantly in my garden. For me, it preers shade from afternoon sun. *Harper*.

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*.

2294-Red with yellow highlights blooms. Perennial, morning sun, pm shade, 18–24", hummer plant. Native. *Squitiere*.

***** *Spilanthes* species. See: *Acmella* species.

Spi7000 *Spiranthes cernua*. COMMON LADIES' TRESSES. Per. PtShade. 9–24 x 9–12". Fall.

3177-White blooms. Germ: Does well in damp soilless mix. *Gibson*.

Spo1010 *Sporobolus heterolepis*. PRAIRIE DROPSEED. PerGrass. Sun. 2–4 x 2–3'. Late Summer–Fall. Zone 3–9.

703-Perennial grass. *Ondra*.

Sta2010 *Stachys albotomentosa*. HILDAGO, 7-UP PLANT. TenPer. Sun. 1½ x 3'. Summer–Fall.

84-Peach blooms. Gray felted leaves and stems. Attracts bees, butterflies, and hummingbirds. Tender perennial in zone 6. *Bowditch*.

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*.

Sta3050 *Stachys macrantha*. Per. Sun. 18 x 8". Summer.

507-Warm violet. The largest blooms of the green-leaved *Stachys* species. An excellent plant. *Kolo*.

Sta3200 *Stachys minima*. DWARF BETONY. Per. Sun/PtShade. 6–12 x 15–18". Spring–Summer.

522-Pink to purple flowers. Lovely addition to the rock garden or front of border. June-July bloomer. *Kushner*.

1607-Pink-purple flowers. Rosettes of crinkly leaves bear 4–6" spikes of pink-purple flowers in early to midsummer. Plants do well in full sun and well-drained soil. Easy to grow. *Jellinek*.

Sta3250 *Stachys monieri*. Per. Sun. 8 x 12"; from 9–20" in bloom. Summer.

199-Mixed pink shades. Flower spikes above basal foliage. Easy care for front of border. *Cresson*.

Sta3300 *Stachys officinalis*. BETONY. Per. Sun/PtShade. 12–18 x 12–18"; to 2' in bloom. Summer.

208-Purple blooms. Neat well-mannered plant. Germ: NST; 20 d. *Dahlke*.

Sta3340 *Stachys officinalis* 'Hummelo'. PURPLE BETONY. Per. Sun/PtShade. 24–36 x 18–24". Summer. Zone 4–9.

522-Rose-lavender flowers in July. Will rebloom if dead-headed. *Kushner*.

Sta8000 *Staphylea pinnata*. EUROPEAN BLADDERNUT. Shrub/Tree. Sun/PtSun. 10–15'. Zone 5–7.

1639-Small, white, bell-shaped, fragrant flowers on 5"-long panicles. Fruits are inflated, papery capsules. Seeds are edible and taste like pistachios. Collected from the Arboretum of the Barnes Foundation. *Bobb*.

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 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.

45-White blooms in spring. Small, moderate tree. Very great for almost any property. Not easy! It takes 2 yr, but fun to try, and growing one is an accomplishment. Germ: OW: 2 yr. Good luck. *Bartlett*.

Ste0550 *Stewartia koreana*. (Continued)

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*.

2294-White blooms on nicely shaped pyramidal small tree with great bark and a lovely natural form. Blooms in summer, slow to moderate growth. *Squitiere*.

Ste0850 *Stewartia monadelpha*. TALL STEWARTIA. Tree/Shrub. Sun/PtShade. 80 x 25'. Summer.

1639-Perhaps the most outstanding bark display on any plant, the exfoliating cinnamon-orange bark is a work of art. (The grove is one of the finest pieces in the Barnes Collection that was not moved to the new location in center city.) The dark green foliage becomes a brilliant mix of rich red-orange and fire engine red in the autumn. Works well as a specimen tree in a small yard. Place with evergreen screen to highlight bark in winter months. White, fragrant, camellia-like blooms in summer provide nectar and pollen for bees and pollinators. Prefers light shade to full sun. Collected from the Arboretum of the Barnes Foundation. *Bobb*.

1865-White blooms. ornamental bark, flowers in June. Germ: Cycle: 3–5 mo WMS then 3 mo CMS. *Bennett*.

Ste0950 *Stewartia ovata*. MOUNTAIN STEWARTIA. Shrub/Tree. Sun/PtShade. 15–20 x 12–15'. Summer.

239-Lovely 2–3" white flowers with light peachy stamens in midsummer. Excellent orange to scarlet fall color. Handsome fissured bark for winter interest. Good size for small property. Germ: CMS, maybe 2 yr. Best to sow seed in container, cover with wire mesh, set in cold frame. May take 2 yr. *Doering*.

Ste1400 *Stewartia rostrata*. Shrub. Sun/PtShade. 15–25'. Spring. Zone 6–7.

1865-White bloom with pink markings. 15–25' tree with nice bark and fall color. Germ: CMS: 90 d, WMS: 150 d. Cycle 3–5 mo WMS, followed by 3 mo CMS. *W. Bennett*.

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*.

Ste2000 *Stewartia sinensis*. CHINESE STEWARTIA. Tree. Sun/PtShade. 15–30 x 8–15'. Summer. Zone 5–7.

1865-White flowers with ornamental bark. Germ: Cycle: 3–5 mo WMS, 3 mo CMS. *Bennett*.

Stokesia laevis – *Talinum paniculatum*

Sto2000 *Stokesia laevis*. STOKES ASTER. Per. Sun/PtShade. 6 x 8"; to 12–18" in bloom. Spring.

507-Lavender-blue flowers. The uncommonly beautiful common garden variety. Resents drying out. *Kolo*.

Sto2300 *Stokesia laevis* 'Klaus Jelitto'. STOKES ASTER. Per. Sun/PtShade. 6 x 8"; 18–20" in bloom. Summer.

200-Lavender-blue flowers; to 18", likes dry soil. Wonderful filler plant in the perennial garden. Germ: W. *Creveling*.

Sty4800 *Styrax americanus*. AMERICAN SNOWBELL. Shrub. Sun/PtShade. 10 x 10'. Spring.

2137-White blooms. American snowbell is a deciduous shrub or small tree that typically grows to 6–10' (less frequently to 15') tall. American snowbell is particularly noted for its showy, bell-shaped, pendulous, mildly fragrant, white flowers (to ½" long) which bloom April to early June, singly or in clusters of 1–4, from the leaf axils or stem ends. Germ: Cycle: Use repeated cycles of 68°F and 20°F for 3 mo each. Germination can be long. *Boylan*.

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*.

1865-White flowers in May on small tree. Germ: WMS: 5 mo; R: 3 mo. *Bennett*.

2137-White blooms. Native to China & Japan, perfect white, bell-shaped flowers with light fragrance nod gracefully along the branches in May. Dark green leaves about 2" long turn yellow before dropping in autumn. Decorative green fruit follows flowers into summer. The overall shape is upright and pyramidal with horizontal side branches, making a nice canopy. Germ: Cycle: Use repeated cycles of 68°F, then 20°F for 3 mo each. *Boylan*.

Sty5150 *Styrax japonicus* 'Emerald Pagoda'. Tree. Sun/PtShade. 20–30 x 20–30'. Spring–Early Summer. Zone 5–9.

522-White flowers. A J. C. Ralston introduction from South Korea. Has larger leaves and flowers than the species. Good article on styraxes in June 2014 issue of the RHS *The Plantsman*. *Kushner*.

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*.

Sty5550 *Styrax obassia*. FRAGRANT SNOWBALL. Tree. Sun/PtShade. 20–30 x 15–25'. Spring. Zone 5–8.

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*.

Sym0900 *Symphotrichum shortii* (syn. *Aster shortii*). SHORT'S ASTER. Per. Sun/PtShade. 2–4'. Midsummer–Fall. Zone 3–8.

2429-A woodland aster with bright purple flowers. *Bricker*.

Syn1250 *Syneilesis aconitifolia*. SHREDDED UMBRELLA PLANT. Per. PtShade/Shade. 15"; to 2½' in bloom.

558-Great foliage at 3–4' for shade/part shade. *Lewis*.

5024-Pink/white blooms. Large, dissected leaves are very interesting when first emerging. Spreads by rhizomes in the woodland. Germ: CMS: 30 d; BH; BC; 30 d. *Iroki Garden*.

Syn1500 *Syneilesis palmata*. Per. PtShade/Shade. 15". Summer.

199-White blooms. Large, deeply cut, palmate leaves make this seem an unlikely member of the aster family. Will grow in dry woodland conditions but better with moisture. Flowers in 4' panicle are not as prized as the dramatic foliage. *Cresson*.

208-White flowers. Closed umbrella-like new growth; opens as full umbrella. Inconspicuous flowers on 3' spikes. Interesting architecture. Germ: NST; 12 d. *Dahlke*.

Syr2700 *Syringa reticulata*. TREE LILAC. Shrub/Tree. Sun. 20–30 x 15–25". Late Spring.

1639-Creamy white, fragrant, lilac blooms in dense terminal clusters on a small tree, later than most bush lilac species. Attractive reddish-brown bark with typical lilac leaves. Low maintenance, great as a specimen or street tree. Collected from the Arboretum of the Barnes Foundation. *Bobb*.

Tag2900 *Tagetes tenuifolia* 'Cottage Red'. MARIGOLD. An. Sun. 6–12 x 3–6". Summer.

522-Mixed with red blooms. Yes, a marigold. Planted in front of *Abelmoschus manihot* and *Tithonia rotundifolia* 'Torch' makes a lovely combination. *Kushner*.

965-A tall, wispy form with single flowers in shades of red with some orange and yellow blends. A nice mixer. Germ: BH, W; NST. *Umphrey*.

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.

318-Pink flowers. Chartreuse foliage is fleshy. Airy spikes of flower stems topped by pink flowers followed by red seed heads. Germ: NST; BC; W, 14 d; or SIS. Self-sows. *Garnett*.

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*.

554-Striking chartreuse foliage on vigorous plants, followed by wiry stems topped by red seedpods. Germ: NST; SIS. *Levine*.

2294-Pink blossoms on wiry spikes, then red seed heads, with chartreuse foliage. Annual, sun to part shade, 8–10" in bloom, front of the border plant, charming, self-sows. *Squitiere*.

Tan2250 *Tanacetum parthenium* 'Aureum'. GOLDEN FEVERFEW. Per. Sun. 2 x 1'. Summer.

703-White. Chartreuse foliage. *Ondra*.

926-Yellow and white, daisy-like blooms. Bright yellow foliage. *Streeter*.

951-White blooms. Chartreuse foliage, little white daisies. Self-sows happily. Germ: W; NST. *Tracey*.

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.

703-Yellow blooms. Seed collected from bright yellow-leaved 'Isla Gold'; rogue out any solid-green seedlings. *Ondra*.

Tel1250 *Telekia speciosa*. HEART-LEAVED OX EYE. Per. Sun/PtShade. 1½ x 3'; to 3' in bloom. Summer.

199-Yellow daisies on sturdy branched stems in early summer. Large light green basal leaves. Best with afternoon shade. *Cresson*.

1684-Yellow blooms. Sunflower relative with large, coarsely triangular leaves, from which flowering stems arise in late summer, growing to 4–5'. The yellow rays are wispy-narrow, around a robust central dark-yellow disk. (Aka *Bupththalmum speciosum*.) Germ: W; NST. *Broekhuis*.

Tet1050 *Tetradium daniellii* (syn. *Evodia daniellii*, *E. hupehensis*). KOREAN EVODIA. Tree. Sun. 40 x 30'. Summer.

1639-Small, cream-colored flowers in July provide nectar and pollen source for bees during the summer dearth. Entire tree quivers and buzzes from the huge volume of bees pollinating the blooms in summer. Peduncles are red and remain red after pollination (until frost), giving the appearance that the tree is in bloom for months. The seeds are small, black, and bee-bee shaped. Seeds germinate with no difficulty, so plant where easy to mow or weed out any unwanted seedlings. Grow as a food source for bees during summer nectar and pollen dearth. Collected from the Arboretum of the Barnes Foundation. Germ: NST. *Bobb*.

2294-White corymbs blooms. 25–30' small tree, small white flowers in 4–6" broad corymbs in June. Fruit is a capsule, red to black. Very interesting tree. *Squitiere*.

Tha1500 *Thalictrum aquilegifolium*. MEADOW RUE. Per. PtShade. 3 x 1½'. Late Spring/Early Summer.

446-Lavender. Germ: W, 21 d. *Humphrey*.

1277-Yellow-striped bloom with white stamens. *Haas*.

Tha1600 *Thalictrum chelidonii*. Per. Sun/PtShade. 1–2 x 2'; from 3–7' in bloom. Summer. Zone 5–9.

1684-Violet-blue flowers. Taller-growing (5–6') lookalike of *Thalictrum rochebrunianum*—I'm a thalictrophile, and this is a new favorite. Germ: Cycle: WMS: 20 d / CMS; 40 d. *Broekhuis*.

Tha2150 *Thalictrum flavum* subsp. *glaucum*. YELLOW MEADOW RUE. Per. Sun/PtShade. 3–4 x 2'. Summer.

926-Pale yellow. Delicate grayish/blue-green foliage sets off the fluffy flower head. To 2'. Germ: CMS 3 mo. Sow ASAP. Don't let the seeds dry out. According to Norman Deno, germination of thalictrooms are dramatically stimulated by gibberillic acid. *Streeter*.

Tha2550 *Thalictrum lucidum*. Per. Sun/PtShade. 3½ x 1½'; to 7' in bloom. Summer.

1277-Pale yellow flowers, elegant foliage. Tall (to 6'). *Haas*.

Tha3450 *Thalictrum polygamum*. MEADOW RUE. Per. Sun/PtShade/Shade. 5–6 x 2'. Summer.

199-White flowers. Our native meadow rue ideal for naturalizing in a moist meadow. Will also take the dry woodland garden. *Cresson*.

Tha3650 *Thalictrum rochebrunianum*. 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*.

592-Lilac flowers. Towering yet dainty in foliage and flower. Give shade in really hot places. Self-sows where happy. Germ: NST. *Malocsay*.

647-Reddish-lilac blooms. Elegant, stately habit, ferny foliage, delicate flowers. Likes partial shade, organic soil, will self seed where happy. Germ: NST. *Mirick*.

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*.

Tha2050 *Thermopsis villosa* (syn. *T. caroliniana*). SOUTHERN LUPINE, CAROLINA LUPINE. Per. Sun/PtShade. 4–7 x 2–4'. Late Spring–Summer.

558-Yellow blooms. Tall pale yellow presence in field border, no staking. I find the seed heads attractive and leave them. Germ: Scfy. Very hardy (zone 4). *Lewis*.

703 -Yellow flowers. *Ondra*.

2429-*Bricker*.

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*.

Tia2010 *Tiarella polyphylla*. Per. PtShade/Shade. 2 x 1'. Summer.

1607-White blooms. Seed is from plants grown from donations by Cresson in the 2011–12 Seed Exchange. Not stoloniferous, quilted leaves. *Jellinek*.

- Tig1000** *Tigridia pavonia*. TenBulb. Sun. 12–24 x 8". Summer. 817-Showy red and white flowers produced for months each summer. Parent plant has gone through fifteen zone 7 winters in the ground. Originally from Yucca Do Nursery. *Ruhren*.
- 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*.
- Tit2260** *Tithonia rotundifolia* ‘Torch’. MEXICAN SUNFLOWER. An. Sun. 4–6 x 1'. Summer–Fall. 522-Orange-red, 2–3" blooms. Floriferous. Splendid, back-of-the-border annual. *Kushner*. 965-Brilliant orange-red flowers. A butterfly magnet and a great color contrast with true blues. Germ: W. *Umphrey*.
- Tit2300** *Tithonia rotundifolia* ‘Yellow Torch’. MEXICAN SUNFLOWER. An. Sun. 4–6 x 1'. Summer–Fall. 832-These seeds from a 2014 plant which re-seeded itself. 5–6' tall. Bloomed for months, up until frost. Lovely yellow color. Attracts some pollinators. Easy. Germ: NST. *Scanlan*.
- Too1000** *Toona sinensis*. CHINESE CEDRELA, CHINESE TOON. Tree. Sun. 30–40'. Summer. Zone 5–7. 1639-White blooms in clusters on a tree whose wood is prized and is similar to true mahogany. Young shoots can be boiled and eaten, young leaves used like onions as a vegetable in stir-fry and other Chinese dishes. Use as a large ornamental tree for its haggard aspect. Cold tolerant in Mid-Atlantic. Collected from the Arboretum of the Barnes Foundation. Germ: CMS: 30 d. *Bobb*.
- Tra4500** *Trachystemon orientalis*. EARLY FLOWERING BORAGE. Per. PtShade. 1 x 2'. Spring. Zone 6–9. 199-Clusters of bright blue flowers in mid-spring followed by large matt green leaves all summer. Drought tolerant if grown in shade. *Cresson*.
- 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 *Tropogogon 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. 2294-Purple and white blooms on 2½' toad lily in late summer. Shady moist conditions. *Squitiere*.
- 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*. 590-White blooms with burgundy spotting. Great foliage texture. *Mahony*.
- Tri3300** *Tricyrtis hirta* ‘Variegata’. TOAD LILY. Per. PtShade/Shade. 2½ x 2'. Fall. 208-White and purple flowers. Leaves of seedlings are not variegated. Orchidlike flowers bloom sequentially on arching branches. Lovely! Germ: NST; 15 d. *Dahlke*.
- 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*.
- Tri3955** *Tricyrtis latifolia* ex. **Sichuan 1735**. TOAD LILY. Per. PtShade. 24–30". Midsummer–Fall. Zone 4–9. 2137-Chartreuse (buff to light brown) blooms. An outstanding species in many ways: strongly spotted leaves in spring, CLEAN, dark green foliage in summer. One of the earliest to bloom, chartreuse flowers are heavily speckled maroon, and all this with a fairly erect habit, meaning non-floppy like some other yellow blooming varieties. Germ: W; L. Seed germinates within 3 mo. *Boylan*.
- 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*. 1684-Speckled two-tiered flowers, plants grow to 18" in our garden. Germ: L. *Broekhuis*.
- Tri5010** *Tridens flavus*. PURPLETOP. Grass. Sun. 4–5'. Summer–Fall. 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*.
- Tro8000** *Tropaeolum majus* **Alaska Series**. NASTURTIUM. An/TenPer. Sun/PtShade. 6–12 x 6–9". Summer. Zone 10–11. 554-Edible, orange flowers, variegated leaves. Great filler plant in containers or spilling over walls. *Levine*.

- Twe1050** *Tweedia caerulea*. TenPer./An. Sun. Summer.
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*.
- Uvu0130** *Uvularia grandiflora*. Per. PtShade. 18". Spring.
208-Pendant, bell-shaped, yellow flowers with lance-shaped, mid-green leaves. Germ: Fresh seed CMS, 90 d.; SR. *Dahlke*.
- Val0100** *Valeriana officinalis*. GARDEN HELIOTROPE, GARDEN VALERIAN. Per. Sun. 3–5' x 2–4'. Midsummer. Zone 4–7.
1277-Fragrant, pinkish white blooms on 3' tall perennial. Germ: NST. *Haas*.
- Vel4250** *Veltheimia bracteata*. TenBulb. Sun. 1½'. Spring.
45-Pink or yellow blooms on a tender South African bulb. 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: W; NST. *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*.
- Ver1010** *Verbascum chaixii*. Per. Sun. 3 x 12"; from 3–4' in bloom. Summer.
926-Pale yellow, mauve eye. Some seed may be *V. chaixii* 'Album'. *Streeter*.
- Ver3100** *Verbena bonariensis*. PURPLE VERBENA, BRAZILIAN VERBENA. TenPer. Sun/PtShade. 4 x ½'. Summer–Fall.
318-Garnett.
590-Purple-magenta flowers. Easy, floriferous. Seeds a bit but wouldn't be without it. Germ: NST. *Mahony*.
2294-Purple blooms. Tall annual, seeds around, low foliage with flower spikes 4' tall. Wonderful butterfly plant. *Squitiere*.
2937-Bittmann.
- Ver3700** *Verbena urticifolia*.
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*.
- Ver4010** *Verbesina alternifolia*. WINGSTEM. Per. 9'. Late Summer–Fall.
1684-Yellow flowers, slightly floppy, coreopsis-like flowers on a large wildflower with prominently winged stems. Germ: CMS, 45 d; W. *Broekhuis*.
- Ver5300** *Vernonia baldwinii*. WESTERN IRONWEED. Per. Sun. 3–5 x 1–1½'. Summer. Zone 5–9.
507-Rich purple flowers. Cool, dark green foliage. Lower growing and earlier than *V. novaboracensis*. *Kolo*.
- 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*.
- Ver5920** *Vernonia lettermannii*. NARROWLEAF IRONWEED. Per. Sun. 2–4 x 2–3'. Fall. Zone 4a–9b.
522-Bright purple blooms. Notable for feathery foliage. Tassel flowers. *Kushner*.
703-Purple flowers. *Ondra*.
- 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*.
- Ver7750** *Veronica spicata*.
1585-Scofield.
- Ver8500** *Veronicastrum virginicum*. CULVER'S ROOT. Per. Sun/PtShade. 6 x 1½'. Summer/Fall.
1607-White flowers. Tall (3–6') native perennial, usually found in moist meadows, but has tolerated my sandy soil for more than a decade. *Jellinek*.
1684-White blooms. Germ: W, L. *Broekhuis*.
- 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*.
- Vib0800** *Viburnum* × *burkwoodii* 'Conoy'. BURKWOOD VIBURNUM. Shrub. Sun/PtShade. 3–4 x 4–6'. Spring.
522-White flowers. A compact viburnum. Notable for its dark green, shiny leaves. Covered with nonfragrant flowers in spring. *Kushner*.
- 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*.
- Vib2480** *Viburnum nudum* 'Winterthur'. SMOOTH WITHEROD. Shrub. Sun/PtShade. 5–12 x 5–12'. Spring. Zone 5–9.
1939-White bloom. Hybrid, with shiny leaves. Germ: WMS: 68–86°F, CMS: 41°F up to 2 yr. *Urffer*.
- Vib2550** *Viburnum prunifolium*. BLACKHAW VIBURNUM. Shrub. Sun/PtShade. Zone 3–9.
2294-White cymes on native deciduous shrub, tolerates drought and black walnuts. Shade or sun. 12–15 x 6–12', but as a tree may reach a height of 30'. *Squitiere*.

Viburnum sargentii – *Zephyranthes*

Vib2650 *Viburnum sargentii* ‘Onondaga’. SARGENT VIBURNUM. Shrub. 15+’.

522-White with red berries. A handsome specimen notable for its dark maroon leaves that persist through the growing season. See Dirr for a full description. Germ: CMS 90 d. Volunteers have grown from dropped seed.

Kushner.

Vib2750 *Viburnum setigerum*. TEA VIBURNUM. Shrub. Sun/PtShade. 8–12 x 4–8’. Spring.

1277-White flowers. Red berries. Put seeds in pot, cover with screening, and wait until they germinate. May take two years. Germ: CMS; OW. *Haas*.

Vig0080 *Vigna unguiculata*.

200-Lavender flowers. A fun vine to grow—long red beans over a foot long! Pea-like lavender flowers, pretty. Very easy to grow. Germ: NST. *Creveling*.

Vio1000 *Viola hirsutula*. SOUTHERN WOODLAND VIOLET. Per. Spring.

3177-Woodland, blue/purple blooms in April/May. *Gibson*.

Xan1050 *Xanthorhiza simplicissima*. YELLOW ROOT. Shrub. 2’. Sun/PtShade. Spring.

2294-Purplish brown blooms. Native ground cover. *Squitiere*.

Yuc1150 *Yucca louisianensis* ‘Granted Wish’. GRANTED WISH LOUISIANA SOAPWORT. Per. Sun/PtShade. 3 x 4; to 8’. Zone 7–10.

32-White, bell-shaped blooms on 8’ flower spike, from 3 x 4’ rosette. *Plant Delights*.

Zan3200 *Zanthoxylum simulans*. FLATSPINE PRICKLY ASH. Shrub/Tree. 10–20 x 8–10’. Summer. Zone 6.

239-White insignificant flowers. Blooms in July. Red panicles of seed capsules open to show black seeds. Seed originally from Brooklyn Botanic Gardens tree. Spiny bark is quite ornamental. Germ: Scfy, CMS 3 mo, W, BC. *Doering*.

Zea2100 *Zea mays* ‘Tiger Cub’. ORNAMENTAL CORN. An. Sun. 2–3 x 1–2’. Summer.

590-*Mahony*.

Zep0500 *Zephyranthes* ‘Apricot Queen’. 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*.

Zep0600 *Zephyranthes* ‘Bali Beauty’. RAIN LILY. TenBulb. Sun. 6”. Zone 7b–10b.

522-Bi-color yellow/pink blooms. Lovely rain lily. Hybrid from Indonesia. Source: hybrid of Fadjar Marta, named and introduced in 2006 by Plant Delights. *Kushner*.

Zep0750 *Zephyranthes candida*. RAIN LILY. TenBulb. Zone 7–10.

522-Pure white with golden stamens. Floriferous if well sited. *Kushner*.

Zep2100 *Zephyranthes drummondii*. 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*.

Zep2500 *Zephyranthes flavissima*. TenBulb. Sun. 6 x 6”. Late Summer–Fall.

522-Bright yellow/gold blooms. Yellow rain lily native to Argentina and Brazil. Source: Woodlanders. *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*.

Zep2600 *Zephyranthes grandiflora*. RAIN LILY. TenBulb. Sun. 6–12”. Summer–Fall. Zone 8–11.

522-Pink flowers. Most floriferous of the *Zephyranthes* species I grow. Fragrant. Source: Old House Gardens. Germ: SR. 6 wk. *Kushner*.

Zep2800 *Zephyranthes and Habranthus mix*. TenPer. Summer.

507-Mix #1. A varied mix which contains no or very little *Habranthus robustus*. Germ: W, D. *Kolo*.

Zep2890 *Zephyranthes* ‘La Buffa Rose’ (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 Tamalipas, 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 Buffa Rose Group ‘Apertif’* (syn. *Z. ‘Labuffarosea’*). GIANT PRAIRIE LILY. TenBulb. Sun/PtShade. 6–10 x 4–6”. Summer–Fall. Zone 7–10.

522-Pink and white blooms. Lovely Yucca Do rain lily. *Kushner*.

Zep3250 *Zephyranthes macrosiphon*. RAIN LILY. TenBulb. Sun/PtShade. 6 x 6”; from 7–12” in bloom. Summer.

199-This Mexican species has short, flat, green foliage that is hardly noticed until summer, when the clumps burst forth with 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 the garden. 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*. TenBulb. Sun/PtShade. 6–12 x 3–6”. Late Spring–Early Summer. Zone 8–11.

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-Blush pink, fleshy pink. Most floriferous rain lily I grow. Plants came from Yucca Do. *Kushner*.

817-Warm pink overlaying yellow blooms. An older selection that comes true from seed. Blooming on and off much of the summer, most strongly after a rain. 8” tall or so. Germ: W; BC; NST; 7 d. Super easy from seed, germinates in 5–7 d. Grow indoors first winter to bulk up bulbs. Can bloom in second season. *Ruhen*.

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*.

Zin2000 *Zinnia marylandica*. ZINNIA. An. Sun.12–18". Summer.

2483-Fuchsia-pink, large blooms. The parent of these seeds was labeled *Zinnia marylandica* ‘Zahara’, and the flowers were a dark fuchsia pink that faded to cream, so that the flowers simultaneously bloomed in every color from the dark fuchsia pink to cream. About six seedlings made a 18" x 4' show, with no mildew upon such fancy zinnia flowers. Since the parent is a hybrid, its offspring cannot be guaranteed, but perhaps the gardener could select for favorite characteristics over a few generations. Deer resistant. *Barrett*.

Ziz2040 *Zizia aptera*. HEARTLEAF ALEXANDER. Per. Sun/PtShade/Shade. Late Spring.

1527-Yellow flowers. Wonderful native garden plant. Foliage (heart-shaped basal and finely divided stem leaves) look good from spring to frost. Germ: CMS. *Felton*.

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.

1017-Very early, acid-yellow-blooming, short-lived perennial, but seeds around. *Whitesell*.

Donations from Robinson & Wave Hill Gardeners

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

9976-Creamy yellow blooms with a dark red center. BH, BC. 14 d. *Wave Hill Gardeners*.

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

797-Rose colored flowers. *Robinson*.

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

797-Rose pink flowers with a dark eye. A vigorous hollyhock. Germ: NST; L; W. *Robinson*.

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*.

Amm1070 *Ammi visnaga* ‘Green Mist’. An. Sun. 3–4 x 2'. Summer.

9976-Pale green/white blooms. Wonderful textural element and long-lasting cut flower. Germ: W, BC, NST. 10 d. *Wave Hill Gardeners*.

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

797-Purple flowers. *Robinson*.

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

9976-Beautiful white-marked leaves, interesting fimbriated/fringed flower. *Wave Hill Gardeners*.

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

797-Blue flowers. Germ: NST; BC; W. *Robinson*.

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*.

1585-Blue flowers. Upright plant. Blooms for several weeks starting in midsummer. *Scofield*.

Car0750 *Cardiospermum halicacabum*. LOVE-IN-A-PUFF, BALLOON VINE. An. Vine. Sun. 12'. Summer.

9976-Very small white flowers, lacy foliage, and great, puffy, inflated seedpods. *Wave Hill Gardeners*.

Cos2500 *Cosmos sulphureus*. YELLOW COSMOS. An. Sun. 4 x 1½'. Summer–Fall.

797-Orange flowers. Very free flowering. More delicate than the usual white and pink *C. bipinnatus*. Germ: NST; L; W. *Robinson*.

817-The original wild type, 6–7' tall and blooming late in the season. Despite the specific epithet *sulphureus*, it is orange. Sow where it is to bloom. Reseeds reliably. *Ruhren*.

965-Strong orange-colored small flowers float above airy plants. Can bloom all summer. An easy, reseeding annual. *Umphrey*.

Cyn0215 *Cynoglossum amabile* ‘Mystery Rose’. CHINESE FORGET-ME-NOT. An. Sun/PtShade. 9–12". Spring–Summer.

797-Pink, rose blooms. *Robinson*.

Dic4650 *Dicentra torulosa*. An./TenPer. Vine. Sun/PtShade/Shade. 12'. Summer.

797-Yellow flowers. Lacy vine with small yellow flowers. Climbs up through shrubs. Self-sows everywhere. Germ: NST; BC; W. *Robinson*.

Robinson & Wave Hill

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

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

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

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

Dig4150 *Digitalis purpurea* 'Alba'. WHITE FOXGLOVE. Bien./Per. Sun/PtShade. 2 x 2'; from 3–6' in bloom. Summer.

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

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

797-Buff-colored flowers. *Robinson*.

3321-Green blooms with lilac bands. *Perron*.

Ech3900 *Echium vulgare*. VIPER'S BUGLOSS. Sun. 1–3'.

9976-European wildflower, nice blue flowers used in our Wild Garden. *Wave Hill Gardeners*.

Ele0450 *Elephantopus carolinianus*. Per. Sun/PtShade. 2–3 x 2–3'. Late Summer–Fall.

9976-White/lavender flowers. Large-leaved native wildflowers. Flowers not flashy; bold foliage make a nice ground cover. Prefers dry, sandy soil. Related to vernonia. *Wave Hill Gardeners*.

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

797-Silver flowers. Germ: SIS. *Robinson*.

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

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

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

9976-Beautiful translucent hairy balloons in late summer. *Wave Hill Gardeners*.

Hel1890 *Helianthus porteri*. CONFEDERATE DAISY, STONE MOUNTAIN DAISY. An. Sun. 1–3½'. Summer.

9976-Bright golden yellow. Nice annual composite, native to the southeastern US. One of the last annuals to bloom in our Wild Garden. Self-sows moderately. *Wave Hill Gardeners*.

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

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*.

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

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

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

797-White. Wonderful gray, felt-textured basal foliage with thin stalks and white flowers over a long season. Self-sows. Germ: NST; SIS. *Robinson*.

Nic0600 *Nicotiana langsdorffii*. FLOWERING TOBACCO. An. Sun/PtShade. 1–2 x 1'; from 2–5' in bloom. Summer.

797-Lime green/chartreuse flowers born in tall, graceful wands. Self-sows. Germ: BC; SIS. *Robinson*.

Ory0100 *Oryza sativa* 'Red Dragon'. BURGUNDY-LEAVED RICE. An. Sun. 2–2½'.

9976-Nice dark foliage with arching seed heads to extend interest into the fall. Needs moist soil. We grow in our aquatic garden. *Wave Hill Gardeners*.

Pap3450 *Papaver somniferum* 'Lauren's Grape'. CARNATION POPPY, OPIUM POPPY. An. Sun. 2–4 x 1'. Summer.

797-Variou, pale purple flowers. Germ: BC; SIS early spring. *Robinson*.

Pol0250 *Polanisia dodecandra*. DWARF CLEOME. An. Sun. 2 x 1½'. Summer–Fall.

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

Ric1050 *Ricinus communis*. CASTOR BEAN. An. Sun. 5–6 x 5'. Summer.

9976-Red blooms with red petioles and green leaves. *Wave Hill Gardeners*.

Sil0050 *Silene armeria*. SWEET WILLIAM CATCHFLY, NONE-SO-PRETTY. An./Bien. Sun/PtShade. 12–24" in bloom. Summer.

797-Hot pink blooms. Germ: SIS; NST. Self-sows. *Robinson*.

Sor1000 *Sorghum bicolor*. BROOM CORN. An. 6–10'.

9976-Fascinating crop used for broom bristles. *Wave Hill Gardeners*.

Vri1000 *Vriesea fosteriana* 'Rubra'. BROMELIAD. Trop. 12–20".

9976-Beautiful red leaves with horizontal markings. *Wave Hill Gardeners*.

HPS/MAG Seed Exchange Order Form

Online: www.hardyplant.org
 By mail: Mary Ann Thomas
 8600 Elliston Drive
 Wyndmoor, PA 19038

Shipping:
 Name: _____
 Street Address: _____
 City, State, Zip: _____

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 and make your payment there. If you prefer, you can copy the Form, fill it in manually, and mail it with a check made payable to HPS/MAG, 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.

Submit your order as early as possible to enhance the likelihood of receiving all your first choices. Orders received after the deadline 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 postmarked after January 31 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 send in your order today.

First Choices List: Identify in alphanumeric order. <i>Please print neatly!</i>				Donor/Volunteer Bonus Seeds: Continue listing in alphanumeric order <i>only</i> 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

Sandy Vernick
770 Hilltop Cir
Wayne, PA 19087-3333



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.

