



The Hardy Plant Society/Mid-Atlantic Group

2016–2017 Seed Exchange Catalog

MID-ATLANTIC GROUP

The 23rd annual edition of the Seed Exchange Catalog includes 976 seed donations contributed by 57 gardeners, from beginners to professionals. Over 85 new plants were donated

for the first time. As you can see, this seed program includes new plants not previously offered as well as old favorites.

We're sure you'll enjoy perusing this year's selec-

tions and you will find plants your garden can't do without! Since some listed seed is in short supply, you are encouraged to place your order early.

Our Seed Donors

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

Aquascapes Unlimited / Heffner, Randy 1114	Gregg, John 3001 (7)	Schmitt, Joan 840
Bartlett, John 45	Haas, Joan 1277 (6a)	Scofield, Connie 1585
Bennett, Teri 1865 (7)	Henry Foundation 1170 (7)	Solow, Sharee 1320
Berger, Clara 65	Iroki Garden	Squitiere, Paula 2294 (6)
Berkshire Botanical Garden / Hviid, Dorthe 1143 (5b)	/ Deutsch, Cathy 5024 (6b)	Stonecrop Gardens, 118
Bittmann, Frank 2937 (6a)	Jellinek, Susan 1607 (7a)	Streeter, Mary Ann 926
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Cherry, Lynn 2199 (7a)	Leiner, Shelley 549	Wave Hill Gardeners 9976 (6b)
Cresson, Charles 199 (7)	Maher, Carole 3176 (7a)	Weaver, George M. & Anne W. 2517 (7)
Creveling, Beth 200	Mahony, Peter 590 (7a)	Weidner, Bea 5033 (6b)
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DeMarco, Loretta 215 (7b)	Mayer, Tiiu 3006	Whipple, Sandra 3333
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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

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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.
199–Pale yellow with maroon centers. Evenly moist soil, likes heat. Self-sows. Blooms with asters. *Cresson*.
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*.
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*.
1865–Yellow flowers with dark red eye. Perennial in pot if kept above 32°F, self-sows, sun. Germ: NST. *Bennett*.
- 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*.
- 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*.
- Ace0900** *Acer palmatum*. JAPANESE RED MAPLE. Tree. Sun/PtShade. 15–25 x 15–25'. Spring. Zone 6–9.
2937–Seed is from a 20' tree with purple foliage. Seedlings also show a range of purple foliage and should have a similar mature height. *Bittmann*.
- Acm0050** *Acmella oleracea* (syn. *Spilanthes oleracea*). EYEBALL PLANT, TOOTHACHE PLANT, PARA CRESS. TenPer. Sun/PtShade. 12–18 x 12–15". Summer–Fall. Zone 9b–11.
2199–Germ: SIS, NST. Self-sows, but is not a pest. *Cherry*.
2621–Attractive leaves spread out late summer. “Eyeballs” are fun in the late summer garden. Prefers moisture. Germ: NST. *Nachlas*.
- Act0867** *Actaea japonica* ‘Cheju Island Form’. JAPANESE BUGBANE ‘CHEJU-DO’. Per. Shade. 24–36 x 24–36". Late Spring–Summer. Zone 4a–8b.
5024–White blooms. A compact form of the species, with foliage to 16" and flowers 3–4' high. Germ: Cycle: WMS 2 wk, CMS 4 wk, WMS again. *Iroki Garden*.
- Act0880** *Actaea pachypoda* (syn. *A. alba*). DOLL'S EYES. Per. PtShade. 2½ x 2½–3½' in bloom. Spring.
2429–White flowers. Germ: CMS. May take 2 yr to germinate. *Bricker*.
- 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)
2429–White flowers in summer. Germ: Cycle: WMS, CMS, WMS. *Bricker*.
9985–*Jenkins Arboretum*.
- Act1000** *Actaea rubifolia*. APPALACHIAN BUGBANE. Per. Sun/PtShade. 6–8 x 1–2'. Summer. Zone 3–8.
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*.
- Act3100** *Actaea simplex Atropurpurea Group* ‘Brunette’ (syn. *Cimicifuga simplex Atropurpurea Group* ‘Brunette’). BUGBANE. Per. PtShade. 4 x 2'. Fall.
797–White flowers. *Robinson*.
- Act4600** *Actaea simplex* ‘Prichard's Giant’. BUGBANE ‘PRICHARD'S GIANT’. Per. Shade. 4–7'. Late Summer. Zone 4a–8b.
5024–White blooms. Capable of reaching more than 7' high, strongly fragrant. Germ: Cycle: WMS 15 d, CMS 30 d, return to WMS. *Iroki Garden*.
- 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*.
- Adl0050** *Aclumia fungosa*. CLIMBING FUMITORY, CLIMBING BLEEDING HEART. Bien. PtShade. 6–8'. 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*.
- Aes0300** *Aesculus parviflora*. BOTTLEBRUSH BUCKEYE. Shrub. Sun/PtShade. 10 x 15'. Summer.
2294–White, midsummer blooms. Bought from a native plant nursery, lost the tag. Shorter variety, maturing to 5–6', blooms fragrant. Colonizes slowly. *Squitiere*.
- Aes0400** *Aesculus pavia*. RED BUCKEYE. Shrub/Tree. Sun/PtShade. 10 x 15'. Early Summer.
1277–Red flowers. Small tree. *Haas*.
- Aga1750** *Agapanthus species/cultivar*. TenPer. Sun. 1½ x 1½'; to 3' in bloom. Summer.
926–Blue flowers. *Streeter*.
- Ag2000** *Agastache* ‘Astello Indigo’. Per. Sun. 2'. Zone 6–9.
2294–Pictures touted online had a blossom of deep blue. Mine were more light blue. *Squitiere*.
- Ag2650** *Agastache foeniculum* ‘Golden Jubilee’. ANISE HYSSOP. Per. Sun. 3–5 x 1–2'. Summer–Fall.
2294–Purple flowers. Chartreuse, fragrant foliage. Reseeds. Blooms first year from seed. Germ: NST. Easy. Looks good with blue neighbor. Scatter seeds. *Squitiere*.

Agastache foeniculum – *Alyssoides utriculata*

- Aga2650** *Agastache foeniculum* ‘Golden Jubilee’. (Continued)
2621-Lavender blooms and lime gold foliage. Brightest in sun. Germ: CMS 30 d, BC. *Nachlas*.
- Aga3700** *Agastache rupestris*. SUNSET HYSSOP, LICORICE MINT. Per./Subshrub. Sun. 3 x 3'. Summer–Fall.
199-Salmony pink blooms. Wispy, hardy, well-behaved perennial with gray-green foliage that likes to seed into sunny, dry, well-drained cracks and crevices, as well as open ground. Deliciously fruity foliage scent. *Cresson*.
- 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*.
- Agl1000** *Aglaonema* ‘Silver Queen’. TenPer.
208-Insignificant cream flowers on house plant that tolerates low light. Dark green leaves with silver markings. 18 x 36". *Dahlke*.
- Agr2000** *Agrimonia gryposepala*. Per. Sun/PtShade. 5 x 1'. Summer.
2515-Yellow flower. This perennial has bloomed about 2 mo in my garden in a dry location. Germ: W, NST. *Doblmaier*.
- 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*.
797-Rose-colored flowers. *Robinson*.
- 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*.
- Alc1450** *Alcea rosea* ‘Halo Purple’. HALO PURPLE HOLLYHOCK. Bien/Per. Sun. 6–8 x 2–3'. Summer. Zone 3a–9b.
522-Purple blooms with yellow eyes. Hollyhocks on 5'+ stems. Stately. Source: Annie’s Annuals. *Kushner*.
- Alc1600** *Alcea rosea* ‘Nigra’. BLACK HOLLYHOCK. Bien. Sun. 1½ x 1½'; from 6–7' in bloom. Summer.
2429-Maroon/black blooms. Germ: W, NST. *Bricker*.
- Alc4800** *Alchemilla glaucescens*. LADY’S MANTLE. Per. PtShade/Shade. 8 x 8". Spring.
208-Yellow. Leaves, 3½", have a bluish tint and a fine edging of white. Germ: CMS. *Dahlke*.
- Alc5010** *Alchemilla mollis*. LADY’S MANTLE. Per. Sun/PtShade. 1 x 2'. Summer.
1939-Yellowish green, lime blooms. Likes partial shade (and some say full shade with a tiny bit of sun). Germ: CMS, R, SR. *Urffer*.
- All0060** *Allium aflatanense* ‘Purple Sensation’. PERSIAN ONION. Bulb. Sun. 1 x 1'; from 2–3' in bloom. Spring.
200-*Creveling*.
- All4500** *Allium christophii*. STAR OF PERSIA. PerBulb. Sun. 1 x 1'; to 18" in bloom. Summer.
926-Pinkish purple, large heads of star-shaped flowers. Flower heads dry well. *Streeter*.
- 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.
2193-Yellow flowers. This is my favorite allium. It looks like a yellow sparkler. Germ: NST. *Ulmann*.
- All5400** *Allium flavum* subsp. *tauricum*. YELLOW GARLIC. Per. Sun. 6–12 x 12". Summer. Zone 4a–8b.
2937-Unlike the straight-yellow-flowering species, this seed is from a range of pastel shades in lemon yellow, rusty cinnamon, and dusky pinks. Not the showiest flower, but it’s one you’ll want to kneel down and admire regardless. Some plants may have a dusty ‘bloom’ of powder on the foliage and flowers which of course makes them even more interesting. *Bittmann*.
- All6100** *Allium* ‘Millennium’. ORNAMENTAL ONION. Bulb. Sun/PtShade. 1½ x 1½'. Summer.
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*.
- All8300** *Allium tuberosum*. GARLIC CHIVES, CHINESE CHIVES. Per. Sun. 10–20 x 6"; to 2' in bloom. Summer–Fall.
1020-White flowers. Late bloomer with pleasing seed heads. Culinary and ornamental. Germ: NST; SIS. *Wiedorn*.
2294-White blooms. Deadhead to help control reseeding. *Squitiere*.
2429-*Bricker*.
- All8450** *Allium* ‘Globemaster’. FLOWERING ONION. PerBulb. Sun. 3'. Spring. Zone 5–7.
208–3' stems topped with 8" spherical purple blooms lasting 3 wk in spring. Attracts bees. Germ: Cycle: WMS 28 d, CMS 28 d. *Dahlke*.
- Alo0500** *Aloe branddraaiensis*. ALOE. TenPer. Sun. 4–6 x 12–18". Midwinter. Zone 9b–11.
1999-Red-orange blooms. *Norfolk Botanical*.
- Aly1200** *Alyssoides utriculata*. BLADDERPOD. Per. Sun. 18–24". Late Spring/Early Summer.
2515-Yellow flowers on drought-tolerant, spring-blooming perennial. Interesting seedpods. Germ: W, NST. *Doblmaier*.

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*.
2294-Burgundy tassel and foliage on a fast-growing annual. Germ: SIS. *Squitiere*.

Ama1090 *Amaranthus cruentus* 'Hot Biscuits'. PRINCE'S FEATHER. An. Sun. 4–6'. Summer–Fall.

2937-Cinnamon orange blooms. Long blooming. The warm buff orange seed heads look good in the autumn garden. *Bittmann*.

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

2937-Red blooms. *Bittmann*.

Ama2500 *Amaranthus tricolor* (syn. *A. gangeticus*). LOVE-LIES-BLEEDING, ELEPHANT HEAD AMARANTH. An. Sun/PtShade. 3–4 x 2'. Summer–Fall.

2294-Fire crimson, reddish burgundy, and yellow blooms on a fast-growing annual. Very showy. Germ: SIS. *Squitiere*.

Ama3100 *Amaryllis belladonna*. BELLADONNA LILY, NAKED LADY. Bulb. Sun. 24–36 x 9–12". August–September. Zone 7 (mulched), 8–11.

199-Pink, bloom. Similar to lycoris, but much finer. Needs sun in sheltered location and summer dryness, such as under the eaves of a house. *Cresson*.

Amm0500 *Ammi majus*. BULLWORT, COMMON BISHOP'S WEED. An. Sun/PtShade. 4'. Late Spring–Early Summer.

65-White blooms. Germ: NST. *Berger*.

Amm0600 *Ammi majus* 'Graceland'. QUEEN ANNE'S LACE. An. Sun. 3–4 x 2'. Summer.

1143-Delicate, lacy white flowers on slender stems attract bees and butterflies. Beautiful cut flower. Germ: CMS, WMS 21 d, W, BC, 21 d. NST. *Berkshire Botanical Garden*.

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*.

1020-White blooms. Looks like Queen Anne's lace. Germ: SIS. *Wiedorn*.

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*.

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

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

2294-Light blue blooms. Cut back after flowering to help avoid flopping and control reseeding. *Squitiere*.

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

Ana0150 *Anacyclus depressus* 'Silberkissen'. MOUNT ATLAS DAISY. Per. Sun. 4 x 12". Late Spring/Early Summer.

199-Low-spreading perennial. White, yellow-centered daisy flowers, petals reddish pink on reverse side in late spring/early summer. Finely cut, grey-green foliage. Native of Atlas Mountains in N. Africa—so likes sun, drought, and very good drainage. Good among rocks. *Cresson*.

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

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

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: W, BC. *Iroki Garden*.

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

2429-*Bricker*:

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

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

2294-Charming white-blooming, spring native wildflower. Foliage can persist through the season. Will naturalize. Germ: SS, NST, SIS. *Squitiere*.

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.

65-Purple flowers. A beautiful specimen plant. Germ: SIS, ideally late summer–fall. *Berger*.

797-Purple flowers. *Robinson*.

2429-*Bricker*:

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

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

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

2621-Many summer weeks of cheery small yellow daisies. Tolerates dry. Germ: L, W. *Nachlas*.

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

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

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

Anthriscus sylvestris – *Arisaema consanguineum*

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

965-Tall, white flowers on perennial chervil. While the early summer umbels are just the icing on the cake, the plant is primarily grown for its purple-black ferny foliage, complements spring pastels. Excellent in spring. Suffers in summer heat. Germ: SR. *Umphrey*.

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

199-Semi-hardy perennial or annual with mounds of fuzzy gray foliage about a 1 x 1'. Pink flowers with a yellow lip all summer. Sun and good drainage, preferably a loose gritty soil, but adaptable. Remarkably hardy and self sows. *Cresson*.

269-Pink blooms with yellow lips. This tough shrubby perennial snapdragon forms 1'-tall, 2'-wide clumps that produce spikes of flowers all summer long. Leaves are gray-green. Plants thrive in our hot, humid summertime weather. Give them a hot, sunny site with well-drained soil. Germ: W, L, NST. 21 d. *Ellis*.

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

269-Maroon and cream blooms. A nitrogen-fixing legume, this vigorous native vine can cover nearby shrubs. Plants prefer rich, moist soil and are 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: Scfy, Soak: 1 d, Rtp. Sow seeds in individual pots, and pinch seedlings to prevent them from entwining. *Ellis*.

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

2294-True blue color. *Squitiere*.

Aqu1350 *Aquilegia canadensis*. AKALY, CANADIAN COLUMBINE, CLUCKIES, JACK-IN-TROUSERS, MEETING HOUSES, ROCK BELLS, TURK'S CAP. Per. Sun/PtShade. 3 x 1'. Spring–Summer.

2294-Yellow/red blooms. Native, good for hummingbirds. *Squitiere*.

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

1277-Pink blooms *Haas*.

2294-White double blooms. *Squitiere*.

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.

45-Variou bright pink, red, blue, etc. blooms from a group of plants leading happy, well-adjusted lives in a sunny gravel path. Full sun, to 20". Flowers in May. Germ: NST; Easy. *Bartlett*.

Aqu5000 *Aquilegia vulgaris*. (Continued.)

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

1320-*Solow*.

2294-Variou self-seeded varieties and colors. Germ: Seeds, scattered in situ, bloom 2nd year. *Squitiere*.

3176-Tall, double flowers of mixed colors—blue, pink, white, and purple. *Maher*.

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

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

Aqu5600 *Aquilegia vulgaris* 'Miss M. I. Huish'. COLUMBINE. Per. Sun/PtShade. 18 x 18". Spring. Zone 3–8.

239-Cottage garden classic columbine. Deep violet, spurless, double pompom flowers occur May through July. Good for flowering beds and for cutting gardens. Germ: OW, SS, SIS, NST. Easy to grow. Will self sow to a moderate, manageable degree! *Doering*.

Aqu5750 *Aquilegia vulgaris* 'Ruby Port'. COLUMBINE. Per. Sun/PtShade. 2–3 x 1–1½'. Spring. Zone 3–8.

2294-Short-lived perennial with double burgundy flowers. Seeds around. *Squitiere*.

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*.

Ara2600 *Aralia spinosa*. DEVIL'S WALKING STICK, HERCULES' CLUB. Shrub. Sun/PtShade. 10–20 x 10–20'. Summer–Early Fall.

269-White blooms. This native species is a large, rhizomatous or suckering shrub with spiny stems that reaches 20' and can spread as far. Plants bear huge, tropical-looking, bi- or tripinnate leaves that range from 3–6' long. Oval, 2–4" leaflets are dark green above, whitish beneath, and turn burgundy in fall. Plants bear 2' umbels of small, white flowers in late summer that are followed by black berries. The berries are popular with birds. WARNING: Once established, it is very difficult to remove or contain the thorny thicket that is formed. Germ: OW. 365 d. Sow immediately and overwinter the pots outdoors or CMS: 3–5 mo then WMS: 1–4 mo. Because of the very spiny stems and rhizomatous nature of this plant, use it in wilder areas where it will have space to spread out. Plants tolerate a range of soils, but prefer deep loam. Evenly moist, well-drained soil is best, but established plants tolerate drought. They do not tolerate standing water. A site in partial shade is best, but they will tolerate full sun. *Ellis*.

Ari0500 *Arisaema consanguineum*. COBRA LILY. Per. PtShade. 6 x 2'.

1607-Green to purple-brown striped flowers. Germ: W. *Jellinek*.

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

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

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

1999–*Norfolk Botanical*.

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*.

Ari4020 *Arisaema taiwanense*. COBRA LILY. Bulb. PtShade. 3 x 2'; bloom is 1½' tall. Spring.

208–Black purple blooms. Snake-colored pseudostem, topped by radial leaf with several leaflets. Flower below. Germ: Soak: 1 d, NST. 21 d. Seedlings 6–12", red stems, trifoliate. *Dahlke*.

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

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*.

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

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

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

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

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

318–*Garnett*.

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

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

2294–White blooms. 6' native perennial, shady moist location. *Squitiere*.

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

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

543–Orange flowers throughout the summer on a 3'-tall tender perennial. Germ: BC, W, NST. *Leasure*.

1607–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 mo before last frost and transplant out after frost. *Jellinek*.

5024–Reddish-orange and yellow blooms. Germ: BC, Cycle: 40° F for 30 d, move to 70°. *Iroki Garden*.

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

65–White flowers. *Berger*.

1999–White blooms. *Norfolk Botanical*.

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*.

Asc3700 *Asclepias syriaca*. COMMON MILKWEED. Per. 2–4'.

2294–Pink/mauve flowers. Native, fragrant, Monarch's second favorite milkweed after *A. curassavica*. *Squitiere*.

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

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

2294–Orange flowers. Helps feed the monarch caterpillars. *Squitiere*.

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*.

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*.

Ast0400 *Aster alpinus*. Per. Sun. 6–8". Spring.

2137–Lavender-pink daisies cover tight rosettes of fuzzy leaves. Perfect for the rock garden in full sun. Germ: W. NST. 90 d. *Boylan*.

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*.

***** *Aster divaricatus*. See: *Eurybia divaricata*.

Ast1450 *Aster drummondii*. Per. Sun/PtShade. 5'. Fall.

199–Pale lavender flowers. Branched, dense racemes of numerous, small pale lavender to near white daisies in October. Quite showy and rare. Native. *Cresson*.

Ast2650 *Aster lateriflorus* (syn. *A. vimineus*). Per. Sun/PtSun/PtShade. 2–4 x 4'. Fall.

2429–*Bricker*.

Ast3550 *Aster macrophyllum*.

2429–White to light purple blooms. Large heart-shaped leaves with a spreading habit. Good ground cover in light shade. Germ: CMS. *Bricker*.

Aster novae-angliae – *Bouteloua curtipendula*

- 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 yr from seed. *Squitiere*.
3333-Purple flowers with yellow centers. *Whipple*.
- 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.
9985-White blooms. Large herbaceous understory plant with plumes of white flowers in spring. Germ: OW; SS; NST; 30 d. *Jenkins Arboretum*.
- 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 bronze foliage. A favorite. Germ: Cycle: WMS 4 wk, CMS 4 wk. *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*.
- Auc0500** *Aucuba japonica* 'Emily Rose'. SPOTTED LAUREL. Shrub. Shade/PtShade. 4–5 x 4–5'. Zone 6–10.
522-Red-purple blooms, scarlet fruit. Leaves all green, large, and broadly toothed. *Kushner*.
- Auc1200** *Aucuba japonica* 'Rozannie'. JAPANESE LAUREL. Shrub. PtShade/Shade. 4–6 x 4–6'. Spring. Zone 7–9.
522-Red berries. Glossy, all green leaves, lance-shaped, and serrated. *Kushner*.
- Bap1050** *Baptisia australis*. BLUE FALSE INDIGO, PLAINS FALSE INDIGO. Per. Sun. 3–5 x 2–4'. Early Summer. Zone 3–9.
522-Lupine-like, indigo blue flowers. Showy. May–June bloomer. Shrub-like, 3–4' in time. *Kushner*.
1020-Blue flowers with interesting seedpods. Long-lived plant. Resents transplanting. Germ: NST. *Wiedorn*.
1277-Blue flowers. *Haas*.
1585-Early summer, bright blue blooms, like blue sweet peas, are followed by light green, 1½" seedpods. Germ: C. Germinates easily, but first winter is difficult. *Scofield*.
- Bap1250** *Baptisia australis* var. *minor*. BLUE FALSE INDIGO. Per. Sun. 24 x 30". Spring–Summer.
199-Blue flowers. Similar the species but small growing with larger flowers. *Cresson*.
- Bap2480** *Baptisia sphaerocarpa* 'Screaming Yellow'. YELLOW WILD INDIGO, YELLOW FALSE INDIGO. Per. Sun/PtShade. 3'. Spring.
2193-Yellow flowers. Germ: SR. *Ulmann*.
- Bas1500** *Basella rubra*. MALABAR SPINACH, RED VINE SPINACH. An./TenPer. PtShade. 10'.
2199-Purple-white flowers. Vine with attractive, glossy, dark green leaves and reddish stems. Edible. Germ: NST. *Cherry*.
- Beg1050** *Begonia grandis* subsp. *evansiana*. HARDY BEGONIA. Per. PtShade/Shade. 2 x 1½'. Late Summer–Fall.
239-Soft pink flowers. Lovely, late, long-flowering, shade-loving begonia that spreads around a little. A very welcome addition to any shade garden. Germ: W; BC; SIS; NST; 12 d. Store dry and sow seeds at 70°F. Seeds germinate in 10–12 d. Can be sown in situ. *Doering*.
318-Pink flowers in September with interesting hanging, winged seed capsule. Wonderful filler which seeds around prolifically, but provides color in early fall when most everything else is fading. Deer do like it. *Garnett*.
2294-Pink flowers. Great shade perennial ground cover, blooms mid-late summer. *Squitiere*.
- Beg1060** *Begonia grandis* subsp. *evansiana* var. *alba*. HARDY BEGONIA. Per. PtShade/Shade. 2 x 1½'. Late Summer–Fall. Zone 6–9.
199-White blooms. *Cresson*.
2294-Drooping clusters of 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*.
- ***** *Belamcanda chinensis*. See: *Iris domestica*.
- 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*.
- 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.

522-Deep, intense, purplish blue. Wonderful filler in mixed border alongside pink roses, purple-flowered salvias, and pink and purple pompom dahlias. Bloomed for 5 mo. Germ: SS; BH, 14–21d. *Kushner*.

797-Blue flowers. Germ: NST; BC; W. *Robinson*.

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

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

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

2621-Neat structure when young, then it weaves. Nice in fresh and dry arrangements. Full sun, moderate moisture. Germ: C, NST. *Nachlas*.

Bup1400 *Bupleurum rotundifolium*. THROW-WAX. An. Sun. 2 x 1'. Summer.

9976-Yellow blossoms on a good spring and early summer self-sowing annual. Interesting perfoliate leaves. *Wave Hill Gardeners*.

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

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

Cal2400 *Callicarpa bodinieri* 'Profusion'. BEAUTYBERRY. Shrub. 6–10'. Summer–Fall.

522-Violet fruits. The abundant, clustered fruits make this a superior beautyberry. Germ: L; W, 7–10 d. *Kushner*.

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

45-Purple, insignificant blooms. Grown for large crop of purple berries in August–October that persist along the stems until birds or cold drop them. Small purple axillary flowers. The easiest and hardiest of the beautyberries. Germ: BC, NST. Easy. Don't water seedlings. 60 d. *Bartlett*.

Cal2500 *Callicarpa dichotoma* f. *albifructa*. WHITE BEAUTY-BERRY. 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. Don't overwater seedlings. *Bartlett*.

Cal2800 *Callicarpa kwangtungensis*. CHINA BEAUTY-BERRY. Shrub. Sun/PtShade. 3–4'. Midsummer.

208-White bloom and white-berried callicarpa sold at 2007 Scott plant sale. *Dahlke*.

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

2294-Yellow blooms. Early spring perennial for wet area, native. Don't worry; this is NOT *Ranunculus ficaria*! From 2010–11 HPS Seed Exchange. *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*.

Cam0330 *Camellia japonica*. Shrub. PtShade. 8–10 x 10'. Spring.

208-Intense red double blooms on 8' shrub in mid-April. Seed from Lewes, DE. Germ: NST. Seeds have been refrigerated in moist soil for 4 mo. *Dahlke*.

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

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

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

199A-White flowers. The hardiest camellia with unrivalled cinnamon-colored bark on older specimens. Profuse white flowers in succession from mid-October to mid-December. Germ: D; R; C; W. Sow immediately. Germination rate will depend on temperature. *Cresson*.

Cam0400 *Camellia oleifera* hybrid (light pink, dark eye). TEA-OIL CAMELLIA. Shrub. PtShade. 12 x 8'. Fall.

199-Parent plant with flat, single, light pink blooms with a darker eye. Light pink flowers stand out against dark foliage. Tall upright habit. Mid-October through November. Very hardy. Seedlings will vary. *Cresson*.

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

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

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

199-White flowers with prominent yellow stamens. You can make real tea from the young shoots, but most people will just enjoy the scented white flowers of this small rounded shrub Sept–Nov. In fact, the origin of this plant was a tea experiment station in northern Japan. Germ: Seed has been refrigerated in moist peat. Sow immediately upon receipt. Should germinate soon in a warm location. *Cresson*.

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

199-Striking pink flowers with prominent red stamens Sept–Nov. Spring shoots are beet red, fading to dark green for summer. Germ: Seed has been refrigerated in moist peat. Sow immediately upon receipt. Should germinate soon in a warm location. *Cresson*.

Camellia – Centranthus ruber

Cam1000 *Camellia* ‘Survivor’. FALL-BLOOMING CAMEL-LIA. 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*.

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

1865-Blue flowers. Germ: WMS, W. *Bennett*.

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

45-Soft blue/pink flowers in Sept–Oct on a 5 x 4' shrub. I grow it in shade. Not well known and not difficult. Germ: NST. 90 d. *Bartlett*.

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 3'. Continuous summer bloom. Germ: NST. *Dahlke*.

Cap1110 *Capsicum annuum* ‘Bhut Jolokia’. CHILE BHUT JOLOKIA HOT PEPPER. An. Sun. Summer–Fall.

2515-One of the hottest peppers in the world. Attractive plant, but be warned the peppers are lethal. *Doblmaier*.

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

269-An annual grown for its nearly black leaves and bright red, round fruit. Germ: BH. Sow as you would any other pepper, 6–8 wk before the last frost date, and transplant after danger of frost once the soil has warmed up. *Ellis*.

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*.

Cap2100 *Capsicum annuum* ‘Calico’. ORNAMENTAL PEPPER. An. Sun. 12–18 x 12–16".

269-Tender perennial ranging from 18–24" tall. Hand-some foliage splashed with purple and white. Dark cone-shaped peppers mature to red. Germ: BH. Sow as you would any other pepper, 6–8 wk before the last frost date, and transplant after danger of frost once the soil has warmed up. *Ellis*.

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*.

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

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

Cap2800 *Capsicum annuum* var. *glabriusculum*. TEXAS BIRD PEPPER.

2515-White flowers. Ornamental hot pepper plant with tiny orange peppers in the autumn. Seed came from Monticello. Germ: BH, BC. *Doblmaier*.

Car0100 *Cardiocrinum cathayanum*.

5024-About 5' tall for us, with reddish-brown and green markings in the throat of the downturned flower. Germ: BC, Cycle: Sow at 70° F for 30 d, move to 40° for 30 d, return to 70°. Repeat the cold cycle if no germination in 30 d. *Iroki Garden*.

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

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

1277-*Haas*.

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

Cel0100 *Celastrus scandens*. AMERICAN BITTERSWEET. PerVine. Sun. 15–20 x 3–6'. Spring. Zone 3–8.

269-Yellowish white bloom. A woody vine, this native bears showy clusters of fruit that are orange on the outside and open to red berries. Plants are less rampant than nonnative, weedy Chinese bittersweet (*C. orbiculatus*). Germ: W. CMS 60–180 d, then soak seed in warm water for 24 hr before sowing. *Ellis*.

Cel0390 *Celosia argentea* (Cristata Group). An. Sun. Summer.

239-Deep red blooms. 2'-tall lovely container plant or color accent in a flower garden. Germ: NST. *Doering*.

Cel0500 *Celosia argentea* (Cristata Group) ‘Orange Temple Bells’. An. Sun. Summer.

965-Blooms in shades of orange, coral, and pink. This 3–4' form is grown primarily as a cut flower. Performs exceedingly well in the heat of summer, with large crested-top blossoms with plume-type blooms on side shoots. Donated by Half Acre Flower Farm from plants grown from Gloeckner’s seed. *Umphrey*.

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*.

Cen1600 *Centaurea cyanus* ‘Blue Diadem’. BACHELOR’S BUTTONS. An. Sun/PtShade. 2–3 x 1'. Spring–Summer.

522-A tall, rich blue, mid-bed plant that delivers. Flowers 2½" wide. Deadhead to get rebloom. Source: Annie’s Annuals. *Kushner*.

Cen2200 *Centaurea montana*. MOUNTAIN BLUET, PERENNIAL CORNFLOWER. Per. Sun/PtShade. 1½ x 2'. Summer.

199-Blue flowers. *Cresson*.

Cen5000 *Centranthus ruber*. RED VALERIAN. Per. Sun/PtShade. 3'. Summer–Fall.

269-Pinkish red blooms. This is a woody-based late spring- to summer-blooming perennial. Plants bear rounded clusters of small pinkish red flowers and range from 1–3' tall and wide. Plants self sow, and seedlings especially like to germinate in gravel driveways and (Continued.)

- Cen5000** *Centranthus ruber*. (Continued.)
the cracks in walls. Cut plants back as they bloom to encourage new flowers. Germ: W, BC, NST. *Ellis*.
- Cen5700** *Centratherum punctatum*. BRAZILIAN BACHELOR'S BUTTON, BRAZILIAN BUTTON FLOWER, LARK-DAISY. TenPer. Sun. 3 x 3'. Summer–Frost. Zone 9–11.
592–One seedling from midsummer on does the work of a shrub with lovely foliage/bloom balance. Blue purple. Seed take oddly long to ripen. Germ: NST. *Malocsay*.
- Cep0550** *Cephalanthus occidentalis*. BUTTONBUSH. Shrub. Sun/Pt. Shade. 8'. Summer.
239–White blooms. Native plant with interesting flowers, seed head, and bark. Prefers moist areas, but is happy with average water and soil. Flowers are an excellent source of nectar for butterflies in the summer. Germ: W, NST, SR, 14 d. *Doering*.
9985–White flowers. Germ: W, NST. *Jenkins Arboretum*.
- Cep0700** *Cephalanthus occidentalis* 'Sputnik'. BUTTON-BUSH. Shrub. Sun. 6–10 x 6–10'.
2294–White blooms. Native for wet areas. *Squitiere*.
- Cep2200** *Cephalotaxus harringtonia* 'Prostrata'.
208–Ten year old shrub; first time for cones. Germ: CMS. *Dahlke*.
- Cer1300** *Ceratopoda triloba*. SOUTH AFRICAN FOX-GLOVE. 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*.
- Cer2300** *Cercis chinensis*. CHINESE REDBUD. Shrubby Tree. Sun/PtShade. 12–15 x 6–8'. Spring.
3001–Pink/purple blooms. Chinese variety of redbud, can be grown as either a multi-stemmed shrub or single trunk small tree. Bloom time March/April. To 10–15' in zones 6–9. Very pretty and very low maintenance, once established. Germ: CMS 60 d, Soak 24 hr. *Gregg*.
- Cer2350** *Cercis chinensis* 'Avondale'. CHINESE REDBUD. Shrubby Tree. Sun/PtShade. 12–15 x 6–8'. Spring.
208–Germ: CMS. *Dahlke*.
- Cer3030** *Cerithe major*. HONEYBELLS. An. Sun. 2 x 2'. Spring.
592–Striking blue cast to curving bracts. Picks well. Bees dote on low visibility blooms. Self-sows madly/repeatedly, color (but not vigor) lost to hot weather. Seems best to hoick promptly, rout volunteers, and enjoy as early spring thing. Germ: NST. *Malocsay*.
- 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*.
- Cha0550** *Chaenomeles* × *superba* 'Jet Trail'. JET TRAIL FLOWERING QUINCE. Shrub. Sun/PtShade. 3–4'. Spring. Zone 5–9.
208–White blooms. Compact low-growing, profuse blooms in spring, 3–4" yellow fruit in fall. Germ: CMS. *Dahlke*.
- Cha0630** *Chamaecyparis thyoides* 'Top Point'. DWARF ATLANTIC WHITE CEDAR. Tree. Sun/PtShade. 4–5' x 18–24". Zone 4–9.
3001–Seed is from 'Top Point', a dwarf Atlantic white cedar. Slow growing, eventually to 6'. Ideal for small spaces. New foliage is blue, mature foliage plum to bronze in winter. Best in full sun. Germ: CMS 90 d. *Gregg*.
- Cha1050** *Chasmanthium latifolium*. NORTHERN SEA OATS. PerGrass. Sun/PtShade. 3 x 2'. Summer/Fall.
543–Nice tall grass that tolerates shade. Forms dense stands. Takes at least 1 yr to become established. Germ: NST; BC; W; 1 mo. *Leasure*.
2294–Green to tan blooms. Native ornamental grass, showy seed heads, probably best in a wild area due to possible aggressive self-sowing. *Squitiere*.
- Che1200** *Chelidonium majus*. GREATER CELANDINE. Per. Shade/PtShade. 12–24". Late Spring–Summer. Zone 4–8.
3001–Native to Europe and Western Asia, prefers moist soil. Yellow flowers May to August, adding color to the woodland garden. Considered invasive in some parts of the country. Germ: NST. *Gregg*.
- Che1250** *Chelidonium majus* 'Flore Pleno'. DOUBLE-FLOWERED GREATER CELANDINE. Per. Shade/PtShade. 12–24". Late Spring–Summer. Zone 4–8.
3001–Yellow blooms. The double-flowered form of greater celandine. Germ: NST. *Gregg*.
- Che2000** *Chelone glabra*. TURTLEHEAD. Per. PtShade. 2–3 x 2'. Summer–Fall.
2515–Nice white flowers for moister conditions. This turtlehead blooms a bit earlier than *C. lyonii*. Germ: NST. *Doblmaier*.
5024–White blooms with pink tinge. Germ: BC, Cycle: WMS 30 d, if no germination move to CMS 15 d, return to warm. *Iroki Garden*.
- Che2600** *Chelonopsis yagiharana*. Per. Sun/PtShade. 12 x 18". Summer–Fall.
5024–Purple blooms. Germ: BH, BC. *Iroki Garden*.
- ***** *Cheiranthus* × *allionii*. See: *Erysimum allionii*.
- Chi0800** *Chimonanthus praecox* 'Luteus'. WINTERSWEET.
522–Purer yellow (no purple heart) than other chimonanthus. Stronger fragrance. High germination rate from seed. Source: Roslyn Nursery, 1996. Germ: CMS: 6 wk; *C. Kushner*.
- Chr0800** *Chrysanthemum indicum*. Per. Sun. 2'. Summer–Fall. Zone 5–9.
2937A–Mixed blooms. Will hopefully include a mix of colors and petal shapes, all on shorter to medium height plants. *Bittmann*.
2937B–These should produce wide, bushy plants without pinching, and colors should range from yellow to orange, pinks, and reds. The seeds were collected from 'Mammoth' strain mums which were originally bred in Minnesota for cold hardiness. *Bittmann*.
***** *Chrysopsis falcata*. See: *Pityopsis falcata*.
***** *Cimicifuga* species. See: *Actaea*.

Clematis addisonii – *Clematis stans*

- Cle0120** *Clematis addisonii*. ADDISON'S LEATHER FLOWER. Per. Vine. Sun/PtShade. 3 x 3'. Summer.
2137-Lavender flowers. Native, small herbaceous scrambler with blooms all summer. Perfect for the perennial border or rock garden. Germ: W; 90 d. Remove seed tails to aid in germination. *Boylan*.
- Cle0250** *Clematis 'Alaina'*. CLEMATIS. Per/Vine. Sun/PtShade. 4–5'. Summer. Zone 4–11.
2137-Pink blooms with a yellow center. This clematis blooms all season long. Perfect for pots. Hybrid grown with many clematis, so who knows what you'll get? *Boylan*.
- Cle0700** *Clematis 'Buckland Beauty'*. Vine. Sun–Shade. 6–8'. Summer–Fall. Zone 4a–9b.
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*.
- Cle2200** *Clematis crispa*. MARSH CLEMATIS, BLUE JASMINE. Vine. Sun/PtShade. 6–8+ x 3'. Summer.
2294-Lavender bluebell-shaped blooms. Native to southeast US. Perennial, climber. From 2010–11 HPS Seed Exchange. *Squitiere*.
- Cle2450** *Clematis 'Evipo032' Galore*. Vine. Sun/PtSun. 10–12 x 2–3'. Summer–Fall. Zone 4–9.
2137-Purple blooms. Viticella hybrid. *Boylan*.
- 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. Best grown through ground covers, vertically in shrubs, or on a tuteur. Spectacular classic variety. Germ: Cycle: Sow @ 68°F for 6 wk, then @ 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. A good form of *C. tangutica*. Sun. *Cresson*.
- Cle3800** *Clematis hexapetala*. Vine. Sun. 25 x 3–4'. Summer.
118-White flowers. Beautiful, dainty but profusely flowering clematis that blooms in August. Germ: CMS; BC; W, 6 mo; SR. *Stonecrop Gardens*.
- Cle4100** *Clematis* × *jouiniana* *'Praecox'*. Per. Vine. Sun/PtShade. 10–13'. Summer/Fall.
507-White blooms flushed with pale blue overtones. Nonclinging, woody vine. Vigorous. Astonishingly beautiful in bloom. *Kolo*.
- Cle4450** *Clematis 'Lemon Beauty'*. Vine. Sun/PtShade. Spring.
199-Yellow blooms. 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*.
- Cle4500** *Clematis ladakhiana*. (Continued.)
2193-Yellow-brown flowers. Tiny yellow bells. Germ: NST. *Ulmann*.
- Cle5000** *Clematis 'Minuet'*. Vine. Sun/PtShade. 12 x 5'. Summer.
1277-Base flower color white, veined pale purplish-red on edges. Grew from Charles Cresson's seed some years ago. 2¼" blms.; to 10'; Grow into small trees. *Haas*.
- 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. 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. 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*.
- 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*.
- Cle5700** *Clematis serratifolia*. Per/Vine. Sun/PtShade. 8–15 x 2–4'. Summer–Fall. Zone 5–8.
199-Soft yellow flowers. A climber to 10' with nodding, scented yellow flowers. Needs more consistent moisture than some yellow clematis. Said to be the only yellow clematis with a lemon scent. Late summer bloom followed by fluffy seed heads. Germ: NST. *Cresson*.
2294-Yellow blooms. Climber to 9', decorative seed heads, late summer. Looks nice next to perovskia. *Squitiere*.
- Cle5750** *Clematis 'Souvenir du Capitaine Thuilleaux'*. Vine. PtShade. 8'.
2137-Rich pink centers fade to gray with contrasting dark stamens on this compact plant. Works beautifully in partial shade and/or in a large container. *Boylan*.
- Cle5800** *Clematis species*. Vine. Sun/PtShade. 10'. Spring.
208-Single white, flat, 4" upright flower with overlapping sepals (round with pointed tips and ¼" hairlike projections) on an unnamed clematis from a plant exchange. Long blooming—June through September. Cut back in spring. *Dahlke*.
- 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 seeded 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*.

- Cle5900** *Clematis stans*. (Continued.)
2193-Pale blue flowers. Blooms late. A bush for the perennial border. Germ: NST. *Ulmann*.
- Cle6150** *Clematis texensis*. SCARLET CLEMATIS, TEXAS CLEMATIS. Vine. Sun/PtShade. Summer–Fall. 15 x 1½'. Summer.
199-Spherical carmine-red, lantern-shaped flowers from early summer through September, look like strawberries. Can be allowed to sprawl over shrubs, roses, or on a fence, where it is perhaps the most admired plant in the garden. It likes hot, sunny, dry conditions. Difficult species to obtain. *Cresson*.
269-Red blooms with creamy yellow inside. A showy summer-blooming species, it dies to the ground in winter, but has been reliably perennial in Zone 7. I grew my plants from HPS Seed Exchange seed from Charles Cresson's garden. The flowers are jug-shaped with four petal-like sepals about 1" long. Leaves are pinnate with oval leaflets. Vines climb to about 9' and cling by twining leafstalks. Germ: OW, SIS. 365 d. Patience is required for germination. Sow seed in pots and mulch with fine gravel. Then leave the pots in a protected spot outdoors. Water as necessary, and be prepared to wait 1–2 yr for germination. This plant is worth the wait! *Ellis*.
1607-Rosy red, bell-shaped flowers of thick substance on a 6–10' vine. Blooms June–September. My plant from the 2003–04 Seed Exchange. One of my favorites. *Jellinek*.
- Cle6350** *Clematis tibetana*. Vine. Sun. 20 x 6'. Summer.
507-Yellow-green flowers. This is a more vigorous cultivar than the one I used to have and seems to have more *C. orientalis* in it perhaps. The flowers more yellow, the vine very vigorous in yr two for me, a huge bounty of beautiful seed heads. I fear it will outgrow its allotted space next year. *Kolo*.
- Cle6500** *Clematis viorna*. VASEVINE. Vine. Sun/PtShade. Summer. 13'.
2294-Purplish pink bells, but variable species in flower shape and color. A native southern U.S. climber. *Squitiere*.
- 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*.
- Cle7300** *Cleome hassleriana*. SPIDER FLOWER. An. Sun. 5–6 x 3'. Summer–Fall.
1020-Pink flowers. *Wiedorn*.
- Cle7350** *Cleome hassleriana* (mixed colors). SPIDER FLOWER. An. Sun. 24 x 40". Summer.
2294-Mixed flower colors. Reseeds abundantly. *Squitiere*.
- 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-Shrub, early white summer bloom, every bug in your yard will come to it. Fragrant. Unknown cultivar. *Squitiere*.
- 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*.
- Coi2010** *Coix lacryma-jobi*. JOB'S TEARS. TenPer. Grass. Sun/PtShade. 5'. Summer–Fall.
9976-Robust, upright, 3' tall annual grass bearing seeds that can be used medicinally, culinarily, or as jewelry. *Wave Hill Gardeners*.
- Con1050** *Consolida ajacis* (syn. *C. ambigua*). LARKSPUR. An. Sun. 4 x 1'. Late Spring–Summer.
1277-A mix of white, pink, and mostly purple flowers. *Haas*.
- Con1100** *Consolida ajacis* (blue) (syn. *C. ambigua*). LARKSPUR. An. Sun. 4 x 1'. Late Spring–Summer.
199-Blue blooms. This classic annual self-sows and blooms in June on tall 5–6' plants. I think the blue strain is the most useful color, complementing everything else. Sow late winter in situ. *Cresson*.
239-Mostly blue with a few white flowers. Sow seeds outdoors in early spring. Pretty filler type plant. Germ: C; SS; SIS. *Doering*.
522-Blue flowers. *Kushner*.
1607-Blue flowers on 4' plants in early summer. Sow in situ late winter. Germ: SIS. *Jellinek*.
2294-Blue blooms. Seeds around nicely. *Squitiere*.
2621-Clear blue flowers. Dislike the heat. Nice companion to *Ammi majus*. Germ: CMS 30 d, C, NST. Can scatter direct 2 wk before last frost. *Nachlas*.
- Con1800** *Consolida regalis*. ROYAL KNIGHT'S-SPUR, FIELD LARKSPUR, FORKING LARKSPUR. An. Sun. 18–24". Late Spring/Early Summer.
9976-Blue/purple blossoms on a self-sowing 2' annual. Nice filler and very long bloom season. More airy and loose than other larkspurs. *Wave Hill Gardeners*.
- Cor1700** *Coreopsis leavenworthii*.
965-Gold ¾" flowers on wiry plants, blooms all summer. Delicate and delightful Florida wildflower. *Umphrey*.
- Cor1750** *Coreopsis rosea*. TICKSEED. Per. Sun. 1–2 x 1½–2½'. Summer. Zone 3–8.
1939-Rose to pink blooms for 3 mo. Full sun or light shade. Germ: L. *Urffer*.
- 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*.
- Cor2750** *Cornus florida*. FLOWERING DOGWOOD. Tree/Shrub. Sun/PtShade. Spring.
1277-White flowers. Germ: CMS 3 mo. Pot up seeds and OW. *Haas*.

Cor2780 *Cornus florida* ‘Cherokee Chief’. FLOWERING DOGWOOD. Tree/Shrub. Sun/PtShade. Spring.

1277-Reddish pink flowers. Germ: CMS 3 mo. Pot up seeds and OW. *Haas*.

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

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

Cor2900 *Cornus mas*. CORNELIAN CHERRY, CHERRY DOGWOOD. Tree. PtSun/PtShade. 15–25'. Early Spring. Zone 4–8.

1939-*Urffer*.

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*.

Cor5900 *Corylopsis pauciflora* ‘Winterthur’. WINTERHAZEL. Per. PtShade/Shade. Spring.

208-A favorite spring-blooming shrub. *Dahlke*.

Cos2500 *Cosmos sulphureus*. YELLOW COSMOS. An. Sun. 4 x 1½'. Summer–Fall.

549-Cheerful, bright orange blossoms. Easy, vigorous grower. Self sows. Germ: SIS, NST. *Leiner*.

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*.

2294-Yellow flowers on annual cosmos. Germ: Direct seeding best. *Squitiere*.

Cot1050 *Cotoneaster salicifolius* ‘Henry’. 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*.

Cro0600 *Crococsmia* × *crococsmiiflora*. CROCOSMIA GEORGE DAVIDSON. Per. Sun/PtShade. 3–4 x 1½'. Summer. Zone 6a–9b.

3001-These are small to medium sized corms, not seed. Yellow-flowered *crococsmia*, 25–36". Somewhat shorter and later to flower than ‘Lucifer’. Very pretty on a slope or with a dark background. Best in full sun. Dig out and separate corms every 3–4 yr for best flowering. *Gregg*.

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

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

Cup8000 *Cupressus arizonica* ‘Silver Smoke’. ARIZONA CYPRESS.

208-Conifer with reddish brown peeling bark when young. Silver blue foliage. Drought tolerant. To 50'. *Dahlke*.

Cyc0700 *Cyclamen coum* (mixed forms).

45-Pink to white blooms. A wonderful plant for late winter, flowering February–April. Plant where you can see them. They may naturalize. Super foliage. Germ: Soak overnight; C; D; 180 d. Grow with grit/gravel. Transplant after dormancy. *Bartlett*.

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

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

Cyc1300 *Cyclamen coum* marble-leaved.

199-Deep cerise pink blooms in late winter with marbled foliage. *Cresson*.

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

45-Pink or white blooms. A truly wonderful fall-blooming tuberous plant for light to moderate shade. They need dry feet. 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*.

Cyn0215 *Cynoglossum amabile* ‘Mystery Rose’. CHINESE FORGET-ME-NOT. An. Sun/PtShade. 9–12". Spring–Summer.

797-Pink, rose blooms. *Robinson*.

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*.

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

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

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

817-Sky blue flowers. Resembles *Tigridia* in sky blue. Easy and fast to bloom from seed. Keep seedlings growing over winter. Germ: NST; W; Germinates over an extended period, so don't discard pots after first germination. Germ: WMS; W; germinating erratic, days or weeks. *Ruhren*.

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

199-Insignificant summer blooms on a graceful evergreen perennial/shrub in the asparagus family. Bright red fruit in fall. Thrives in dry shade. Hardier than the books say. *Cresson*.

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

817-*Ruhren*.

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

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

200–Purple double flowers on large perennial. Night blooming and fragrant. *Creveling*.

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.

3006–Purple and white double (hose-in-hose) flowers. Will grow larger when planted out. Stems are a dark eggplant color. Poor germination. Germ: NST; BC; BH, 2 wk. *Mayer*.

Dat3170 *Datura metel* ‘**Double Golden Queen**’. YELLOW ANGEL’S TRUMPET. An. Sun. 4 x 2–4’. Summer–Fall.

590–Pale yellow/creamy yellow (not gold). Hose-in-hose trumpet flowers are 6–8" long and 3–4" wide. Fragrant. Medium green, up to 12"-wide leaves. Takes 10–12 wk for seed to flower. Grown without any other daturas, so will likely be yellow. Germ: NST. Start early inside. *Mahony*.

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

965–Variable pink, burgundy, ivory, and white blooms. This carrot flowers the first year from direct seeding. The variable flowers add a quaint feel to gardens and bouquets. Seeds donated by Half Acre Flower Farm. *Umphrey*.

Dei0500 *Dianthus bifida*. TWO-LOBED FALSE HYDRANGEA. Per. PtShade. 12–24 x 12–24’. Spring–Summer.

5024–White blooms. Germ: W, SS. *Iroki Garden*.

Den1000 *Dendropanax trifidus*. IVY TREE. Shrub/SmTree. PtSun/Shade. 10–15’. Zone 7a–10b.

1999–*Norfolk Botanical*.

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

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

Dia0400 *Dianthus barbatus*. SWEET WILLIAM. Bien. Sun. 1–2 x 2’. Late Spring–Summer.

1585–Reds, pinks, and white blooms—many with dark eye. Long-lasting, fragrant cut flower. Plants enjoy humusy soil and steady moisture. Theoretically biennial, but never die out. Germ: BH. Germinated with bottom heat 70–75°, then grew seedlings 60–65°. *Scofield*.

1939–Longlasting pink bloom. Full sun to light shade. Germ: BH, W, NST. *Urffer*.

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

522–Pink-deep magenta rosettes on leafless stems. Foliage is grassy green. Blooms July–September. Would be lovely in a wildflower meadow or a gravel garden. *Kushner*.

Dia3000 *Dianthus* ‘**Feuerhexe**’ (syn. *Dianthus gratianopolitanus* ‘**Firewitch**’). CHEDDAR PINK, MOUNTAIN PINK. Per. Sun. 6". Spring. Repeat Bloomer.

2937–Seed from ‘Firewitch’, produces dwarf to very dwarf plants with bloom colors ranging from pink to magenta to salmon. *Bittmann*.

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*.

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 yr ago by Barry Yinger, who collected it in Korea. Easy to grow and drought tolerant. *Cresson*.

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

Dic4650 *Dicentra torulosa*. An./TenPer. Vine. Sun/PtShade/Shade. 12'. Summer.

797–Lacy vine with small yellow flowers. Climbs up through shrubs. Self-sows everywhere. Germ: NST; BC; W. *Robinson*.

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

926–Mauve or white flowers. *D. albus* x *D. albus purpureus*. An old-fashioned perennial which has been in the garden long before us. Germ: CMS 90 d, WMS 90 d. Sow seed ASAP. *Streeter*.

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*.

1277–Pale yellow flowers. Nice foliage. *Haas*.

2294–Yellow blooms. *Squitiere*.

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

592–No shy foxglove this—the full candelabra, sideshoot-willing too. Some wild bee is nuts for it. Bloom akin to *D. lanata* but showier. Self-sowing welcome since here not every plant survives its magnificent excess (or is it sun?). Germ: NST. *Malocsay*.

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

208–Yellow flowers. Germ: NST. *Dahlke*.

507–Waxy white blooms and dark green foliage. 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*.

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

Dig3750 *Digitalis* × *mertonensis*. STRAWBERRY FOXGLOVE. PtShade. 8 x 12–18"; from 1–3' in bloom. Spring–Summer.

2937–This foxglove has been a reliable perennial for me in a relatively dry and mostly sunny location. Nice flower spikes, kind of an apricot-purplish color. *Bittmann*.

Digitalis purpurea – *Erigeron pulchellus*

- Dig4050** *Digitalis purpurea*. FOXGLOVE. Bien./Per. PtShade. 2 x 2'; from 4–6' in bloom. Early Summer.
239-Light and darker pink flowers. Germ: BH; BC; SIS. Can be started indoors with NST except room temperature. Can also be started sowing in situ. *Doering*.
926-Pinkish purple, occasionally white flowers. Old-fashioned and graceful. Germ: Seeds around helpfully. *Streeter*.
2294-Pink blooms of unknown variety. Germ: NST, SIS. *Squitiere*.
- Dig4150** *Digitalis purpurea* 'Alba'. WHITE FOXGLOVE. Bien./Per. Sun/PtShade. 2 x 2'; from 3–6' in bloom. Summer.
797-Germ: BC; SIS. *Robinson*.
- Dip0300** *Dipcadi viride*. TenBulb.
592-Weird little bronze/green bells along a scape. Pot overwintered dry gives a steady supply over summer. Germ: NST. *Malocsay*.
- Dip1050** *Dipsacus fullonum*. TEASEL. Bien. Sun/PtShade. 7'. Summer–Fall.
797-Buff-colored flowers. *Robinson*.
- Dod1110** *Dodecatheon meadia*. SHOOTING STAR. Per. Sun/PtShade. 6 x 10"; from 16–24" in bloom. Spring.
2294-Fuchsia blooms. Native early spring wildflower, ephemeral. *Squitiere*.
- Doe1000** *Doellingeria umbellata*. FLAT-TOPPED ASTER. Shade/PtShade. 2–4'. Summer.
1580-White blooms with yellow center. Flat-topped clusters. Easily grown native, spreads by seed and rhizomes. Does well in shade to part shade. Blooms in July. Germ: R, BC, SIS, SR, 36 d. *Romenesko*.
- ***** *Dolichos lablab*. See: *Lablab purpureus*.
- Dra0750** *Draba arabisans*. Per. Sun/PtShade. 4 x 8; to 10" in bloom. Spring.
2429-White flowers over low cushion of foliage that remains attractive all season. Germ: BC; NST. *Bricker*.
- 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*.
- Ech0025** *Echeandia texensis*. TEXAS CRAGLILY. Per. Sun/PtSun. 24–36". Fall. Zone 7b–10b.
1999-Yellow blooms. *Norfolk Botanical*.
- Ech0250** *Echinacea purpurea*. PURPLE CONEFLOWER. Per. Sun. 4 x 1'. Summer–Fall.
1020-Mauve-pink flowers. *Wiedorn*.
2294-Lilac blooms. *Squitiere*.
- Ech0500** *Echinacea purpurea* 'Alba'. WHITE CONEFLOWER. Per. Sun/PtShade. 3–5 x 3–4'. Summer–Fall.
208-White flowers. Germ: NST. *Dahlke*.
- Ech2000** *Echinops bannaticus*. BLUE GLOBE THISTLE, HUNGARIAN GLOBE THISTLE. Per. Sun/PtShade. 1½–4 x 2'.
2294-Blue blooms on 4' summer perennial thistle with architectural interest. *Squitiere*.
- Ech3250** *Echinops ritro*. GLOBE THISTLE. Per. Sun. 2–4 x 1–3'. Summer, reblooms. Zone 3–9.
926-Steel blue flowers. Taller 3–4'. Good back-of-the-border plant. Not as ferocious as most thistles. Flowers dry well. Self-sows. Germ: NST. *Streeter*.
- 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*.
- 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*.
- Enk1500** *Enkianthus campanulatus* 'Red Bells'. Shrub. Sun. 6–10 x 3–5'. Spring.
2294-Clean-colored, mini bells with red veins on a hardy shrub. *Squitiere*.
- Enk1700** *Enkianthus perulatus*. Shrub. 6'. Spring. Zone 6–9.
3001-The white-flowered form of enkianthus. Compact, deciduous, slow growing—eventually to 6'. Beautiful fall color of reds and oranges. It takes 6–8 yr to reach 4'+, but worth the wait. Germ: L, SS. *Gregg*.
- Enn1000** *Ennealophus euryandrus* (syn. *Herbertia euryandra*, *Alophia euryandra*). ARGENTINE BLUE EURYANDRUS IRIS. TenBulb. PtShade. 12 x 15". Spring–Summer.
522-Blue flowers. No words can fully describe this charming iris that blooms for months in the rock garden. See Plant Delights catalog for more details. *Kushner*.
592-Blue and white blooms first year from seed, easy to store overwinter. Pot or ground. Best show in quantity at the front of the border. For lovers of close-up dainty flowers. Germ: NST. *Malocsay*.
- Era4000** *Eranthis hyemalis*. WINTER ACONITE. Per. Sun/PtShade. 3 x 2". Winter–Spring.
1939-Cheery bright yellow flowers arrive soon after the snowdrops in February. Germ: SIS, NST. They can grow into tubers or plant in undisturbed soils outside and leaves will open, but flowers take three years. *Urffer*.
- Eri1550** *Erigeron pulchellus* 'Lynnhaven Carpet'. ROBIN'S PLANTAIN, FLEABANE. Per. Sun/PtShade. 3 x 6; to 10" in bloom. Spring.
199-White-tinted, pale lilac flowers. New cultivar named in 2007 by Cresson from plants originating along Lynnhaven River behind Virginia Beach. Dry shade to sun, weed-suppressing, ground cover. Dark green, hairy rosettes spread by runners. Pale lavender daisies in May. Very hardy Eastern woodland native. *Cresson*.
2294-White, spring blooms. Foliage makes a tight groundcover. *Squitiere*.

- 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*.
- Ero1000** *Erodium species*. HERON'S BILL, FILAREE. An. Sun. 592-Chance nursery find I'm treating as a tender pot plant. Low-spreading, hairy foliage nice after spring bloom. Self-sows freely. I pot one in fall since it's not hardy here. Germ: NST. *Malocsay*.
- Ery0100** *Eryngium alpinum*. Per. Sun. 2 x 1'. Summer.
199-The most striking of the eryngiums with steely blue flowers up to 4" wide. Prefers sunny well-drained, somewhat droughty conditions. *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*.
- Ery3010** *Eryngium giganteum*. MISS WILLMOTT'S GHOST. Bien. Sun. 3 x 1'. Summer.
592-Self-sowing biennial. Fiercely handsome in bloom; ground-level rosette nicely striated silver. Magnificent dry arrangement. Germ: SIS. *Malocsay*.
- Ery3750** *Eryngium planum*. SEA HOLLY. Per. Sun. 6 x 6"; to 30" in bloom. Summer–Fall.
797-Small, silvery, steely blue, spikey flower heads add texture all summer. Germ: BC; W, 2–3 wk; C, 3–5 wk. *Robinson*.
1020-Steel blue blooms with blue spikey foliage. Germ: C. *Wiedorn*.
- Ery5250** *Eryngium yuccifolium*. RATTLESNAKE MASTER. Per. Sun. 4 x 2'. Summer/Fall.
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*.
9976-Greenish-white flowers. Round heads in clusters arise from basal rosettes in summer. Great architectural plant. Prefers dry, sandy soils. *Wave Hill Gardeners*.
9985-White. Germ: R, CMS 60 d. Jenkins Arboretum.
- Esc1000** *Eschscholzia californica*. CALIFORNIA POPPY. An. Sun. 8–12". Late Spring/Early Summer.
2294-Yellow/orange blooms. Prolific flowering when happy in dry hot spot. Reseeds nicely. Glaucous, feathery foliage 8–12" high. Germ: SIS; NST. *Squitiere*.
- Euo1050** *Euonymus americanus*. HEARTS A BUSTIN', AMERICAN STRAWBERRY BUSH. Shrub. PtShade. 6 x 5'.
199-Small, inconspicuous, greenish yellow flowers in spring followed by strawberry-like fruit that splits open to show 4 or 5 red-orange seeds framed by the scarlet husk. Native understory plant. *Cresson*.
- 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 (Continued.)
- Euo1480** *Euonymus carnosus*. (Continued.)
opens to expose black shiny seeds. Germ: CMS, Scfy, 3 mo; BH, OW; SR. *Kushner*.
- Eup0800** *Eupatorium coelestinum*. BLUE MIST FLOWER, HARDY AGERATUM. Per. Sun/PtShade. 2–3'. Late Summer–Fall.
543-Pale blue flowers. Benefits from support of neighboring plants if grown in partial shade. Germ: BC, SIS, NST. *Leasure*.
- Eup1000** *Eupatorium dubium* 'Little Joe'. JOE PYE WEED. Per. Sun/PtSun. 3–5 x 1½'. Summer. Zone 5–8.
239-Soft purple-pink blooms for the middle of the perennial garden. Great color midsummer and attractor of butterflies and moths. Germ: NST. Dwarf form makes this plant a very unusual addition to the garden, both for color but also for the wildlife attraction. *Doering*.
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.
199-Japanese species with narrow, serrated leaves, irregularly edged white. Masses of pink flowers in late summer. Similar to 'Pink Frost'. Variegation may not come from seed but flowers are attractive and plant is less heavy and massive than our native Joe Pye weed. *Cresson*.
- Eup2350** *Eupatorium maculatum*. JOE-PYE WEED. Per. 5–7 x 3'. Summer.
543-Purple-pink flowers. Nice plant for the back of the border. Tolerates wet soil. Germ: W; BC; NST; 3 wk. *Leasure*.
- Eup2400** *Eupatorium perfoliatum*. BONESET. Per. Sun/PtShade. 3–5 x 3'. Summer–Fall.
2429-White flowers. Germ: CMS: 90 d. *Bricker*.
- Eup2420** *Eupatorium purpureum*. JOE-PYE WEED. Per. Sun/PtShade. 6–7 x 3'. Summer–Fall.
507-Kolo.
- Eup2440** *Eupatorium purpureum subsp. maculatum* 'Gateway'. JOE-PYE WEED. Per. 5–7 x 3'. Summer.
2294-Pink/mauve flowers. Native, butterfly plant. Bees love it. Easy to grow. If grown in full sun, won't flop. *Squitiere*.
- 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*.
- Eup5000** *Euphorbia characias subsp. wulfenii*. MEDITERRANEAN SPURGE. Per. Sun/PtShade. 3–4'. Spring. Zone 7–10.
199-Chartreuse yellow blooms. Half-hardy evergreen perennial that produces tall inflorescences in the second year if given some winter protection to keep the top growth. I cover it with a large white plastic bucket or grow it in a pot. Good drainage and very drought tolerant. *Cresson*.
- 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. Seed overwinters in the garden. *Cresson*.

Euphorbia marginata – *Gladiolus*

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*.

2621-White flowers. Bright white margins. Medium soil. Deer resistant. Sap may irritate. Germ: W. NST. Germination erratic. Prolific self seeder. *Nachlas*.

Eur0100 *Eurybia divaricata* (syn. *Aster divaricatus*). WHITE WOOD 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*.

2429-A fall white-blooming aster useful for naturalizing in dry shade. Germ: CMS. *Bricker*.

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

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

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

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

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

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

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

2429-Germ: W, NST. *Bricker*.

Foe1800 *Foeniculum vulgare* 'Smokey'. FENNEL. Per. Sun. 4–6 x 1½–2½'. Summer. Zone 4–9.

2621-Smokey cloud of feathery foliage is a nice contrast in the border. Beloved by black swallowtail larvae. Likes wet but will grow anywhere when its taproot is established. Germ: NST. *Nachlas*.

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

84-White flowers in late summer into fall. Excellent red fall color. Interesting striped bark. Germ: CMS: 30 d. After germination, seedlings need to spend next full winter in a frost-free place. *Bowditch*.

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

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

1865-Small red flowers with iris-like foliage. Blooms May or June. *Bennett*.

Gai5000 *Gaillardia pulchella*. BLANKET FLOWER. An./Per. 10 x 10". Summer–Fall.

2294-Orange and yellow blooms. Summer to fall, short-lived perennial or annual, easy from seed. *Squitiere*.

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

1017-Lovely August-flowering white blooms. Long-lived. Reliably hardy for me. *Whitesell*.

2294-White blooms on hardy bulb to Zone 5. From South Africa, avoid winter wet. *Squitiere*.

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

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

239-Sapphire blue blooms. Low-growing native wildflower for the part shade garden. Flowers are strikingly beautiful and unusual. Germ: BH, SS. *Doering*.

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

9985-Blue flowers. Germ: CMS 90 d, R, SS. *Jenkins Arboretum*.

Gen1250 *Gentiana asclepiadea*. WILLOW GENTIAN. Per. 20–30". Late Summer.

208-Blue-purple flowers. Arching stems with 2–3" long willowlike leaves and clusters of 2–3 flowers at nodes. *Dahlke*.

Gen2190 *Gentiana makinoi*. ROYAL BLUE GENTIAN. Per. Sun/PtShade. 18–24". Late Summer/Early Fall.

208-Dahlke.

Gen2570 *Gentiana septemfida* var. *lagodechiana*. Sun/PtShade.

208-The most easily grown gentian. Vivid blue flowers with pale spots at the tips of the stems. 15–18". *Dahlke*.

Ger2450 *Geranium maculatum*. WILD GERANIUM. Per. Sun/PtShade. 12 x 12". Spring–Summer.

2294-Pinkish lilac blooms. Heat of summer may scorch foliage. Cut it back for fresh, nice growth. *Squitiere*.

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*.

Ger4600 *Geranium sanguineum* 'New Hampshire Purple'. Per. Sun/PtSun. 12 x 12". Spring/Early Summer. Zone 3–8.

2294-Magenta blooms. Spreads and roots to a large area, mine grows in *Vinca minor*. Cut back after initial bloom for continual bloom. Seeds around a bit. Germ: SIS. *Squitiere*.

Gil1250 *Gillenia trifoliata*. BOWMAN'S ROOT, INDIAN PHYSIC. Per. PtShade. 3 x 2'. Spring.

2294-White flowers. Blooms midspring, fall color, full sun/part shade. Native. *Squitiere*.

2429-Airy white flowers with red petioles and dark stems. Foliage may turn bronze in fall. Germ: CMS. *Bricker*.

9976-Native perennial with delicate star-shaped spring flowers. Likes acid soil and part shade. Self-sows slowly. *Wave Hill Gardeners*.

Gla0050 *Gladiolus* 'Atom'. ATOM HARDY GLADIOLUS. Per. Sun. 36 x 6". Summer. Zone 6–10.

199-Mid-sized heirloom hybrid. Red flowers with a white edge. Has been hardy here for several years. *Cresson*.

Gla0090 *Gladiolus* 'Boone'. PerBulb. Sun. 3'. Summer.

507-Pale yellow-apricot. An extraordinarily beautiful glad, once featured by the late Holbrook Nursery. Comes true from seed. A very vigorous plant that increases rapidly but can be controlled. Do not skip deadheading. *Kolo*.

- Gla0450** *Gladiolus* ‘**Carolina Primrose**’. Bulb. Sun. 24–36 x 6–9".
199-Soft yellow blooms. Found on an old home-site in NC, the origin/ID of this are debatable. Probably an old hybrid of the African *G. dalenii*, also known as *G. x gandavense*. Soft yellow flowers midsummer go with every color! Prolific and hardy in my garden for years, 3' tall. Supplied as small cormlets that will take a couple years to bloom. *Cresson*.
- Gla0650** *Gladiolus dalenii* **orange-red flowered**. SWORD LILY. TenBulb. Sun/PtSun. 2–3'. Summer.
199-Red-orange blooms. Widely spread variable African species. If you like red, the fiery vermilion flowers with a yellow/green throat are thrilling! 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-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*.
- Gla1055** *Glaucium flavum aurantiacum*. HORNED POPPY. Bien./Per. Sun. 18–24 x 9–12". Late Spring–Early Summer.
2621-Orange flowers. Stunning rosette of silvery lobed leaves, delicate papery flowers. Drought tolerant. Germ: Cycle: 2–4 wk at 40°F, then warm. R. *Nachlas*.
- Glo0800** *Globularia trichosantha*.
2137–8 x 15", it bears bright blue puff-balls in summer above densely packed, shiny, evergreen leaves. Its natural habitat is dry, stony grassland, so don't baby it too much. Germ: W, 90 d. *Boylan*.
- Gom0700** *Gomphrena* ‘**Fireworks**’. An. Sun. 3–4 x 1–2'. Summer.
2937-Long-lasting, bright pink flowers, excellent cut flower or dried flower. Does well in hot, dry locations and may even self sow year to year. If you haven't yet tried this easy to grow annual, you really should. *Bittmann*.
- Gom1080** *Gomphrena* species. GLOBE AMARANTH.
590-Purple flowers. Up to 18–24" tall in flower. Some pink and cream varieties were growing nearby. *Mahony*.
- Gon0200** *Goniolimon tataricum*. GERMAN STATICE. Per. Sun. 1½ x 1½'. Summer–Early Fall.
2621-Tiny sprays of white flowers make instant bouquet. Tolerates dry, drainage. Germ: W, NST. *Nachlas*.
- Gos0050** *Gossypium herbaceum*. LEVANT COTTON. An./TenPer. Sun. 2–2½ x 1½'. Summer–Fall.
590–2" diameter burgundy “globes” burst open to reveal white cotton interior with seeds attached. Excellent clean foliage. Crepe-papery flowers somewhat hidden by the foliage. *Mahony*.
2890-Cerise pink flowers. Gorgeous leaves, flowers, and cotton balls. 160 days—gorgeous red leaves and stems are the color of Thanksgiving cranberry sauce! The hibiscus-like flowers are a cherry-red to cerise pink, and eventually yield snowy white bolls. 3–4', bushy plants. Very easy to grow and germinate. Germ: SR, W, NST. I had 100% germination rate. *Carrington*.
- Gyp1600** *Gypsophila repens* ‘**Rosea**’. Per. Sun.
592-Pink blooms. Shearing spent bloom seems to prompt sporadic later show. Established mat can take dry heat. *Malocsay*.
- Hab2500** *Habranthus robustus*. PINK RAIN LILY. TenBulb. Sun/PtShade. 1'. Summer. Zone 8a–10b.
507-Pink flowers. The best habranthus. Everyone should have a pot of these. Beautiful pink funnels. Keep in a pot and overwinter indoors. Germ: NST; Easy. *Kolo*.
817-Pink flowers. Large, 3" wide, lilylike trumpets above blue-green leaves after each rain. Germ: NST; W, 1 wk. *Ruhren*.
- Hab2950** *Habranthus tubispathus* var. *texanus*. BARBADOS SNOWDROP, CROCUS LILY, TUBE-SPATHED ZEPHYR FLOWER. TenBulb. Sun. 6 x 3"; to 8" in bloom. Summer.
522-Virgorous, trumpet-shaped, bright yellow blooms with grass-like foliage. Native to Texas. Source: Forest Nursery. *Kushner*.
- Hal2500** *Halesia tetraptera*. SILVERBELL. Tree. Sun/PtShade. 30–40'. Spring.
2294-White blooms. Not drought tolerant, I've read. Needs acidic soil. Native. *Squitiere*.
- 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 Red Twig Dogwood. *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*.
- Hel3000** *Helichrysum bracteatum*. STRAWFLOWER. An. Sun. 3 x 1'.
592-White/pink blooms. Ease over sideways to help it mix in. *Malocsay*.
- 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*.
- Hel7850** *Helleborus niger*. Per. PtShade. 1 x 1½'.
199-White flowers. Remarkable for early bloom in January–February, weather permitting. Surprisingly tough. In mild winters, this plant is a spectacle in mid-January. In colder years, it will bloom later. Germ: May be a year from seed. *Cresson*.

Helleborus niger – *Hieracium maculatum*

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

522–Lovely, white flowers that fade to pink. Germ: Last January, before she died, I wrote to Judith Tyler of Pine Knot Farms regarding storing hellebore seed in the fridge. She responded that she stores hers in perlite because vermiculite is tricky—too much and it turns into a slimy mess, too little and it is just dust. *Kushner*.

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

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

Hem2750 *Hemerocallis longituba*. DAYLILY. Per. Sun. 15 x 18; to 30" in bloom. Summer.

507–Gold, perfectly formed trumpets that are on the smallish side. Deadhead daily in the morning for best effect. Similar to *H. middendorffii* but slightly lighter gold and a bit more delicate looking. Germ: CMS. *Kolo*.

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

507–Gold flowers. Nice species daylily with small, beautifully formed trumpets. Deadhead daily in the morning for best display. I sometimes confuse it with *H. longituba*, but I’m almost certain this is the correct name. They are in close proximity and labels long gone. Of the two plants, this is the more vigorous. *Kolo*.

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

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

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

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

Hem4000 *Hemerocallis 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*.

Hep1000 *Heptacodium miconioides*. SEVEN-SON TREE.

1277–White flowers. Large shrub to 15'; mottled bark; fragrant blooms; red calyxes in October look like flowers; sow seed when fresh. Germ: OW. *Haas*.

Hes0100 *Hesperaloe parviflora*. RED YUCCA. Per. Sun. 3–4 x 2–3'. Summer.

1999–Red blooms. *Norfolk Botanical*.

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

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

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

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 MALLO. Per. Sun. 5–10 x 3–4'. Summer–Fall. Zone 6a–9b.

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, though tolerant of average moisture. Native, winter hardy herbaceous perennial. *Ruhren*.

2294–Red, Aug–Sept blooms, winter die back, cut back in spring for fullness. *Squitiere*.

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

9976–Great red flowers on 3–6' native of Southeast U.S. Germ: BH, BC. Marginally hardy at Wave Hill. *Wave Hill Gardeners*.

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

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

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

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

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

Hib2150 *Hibiscus moscheutos* subsp. *palustris*. MARSH MALLO. 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 hibiscus. Does best in sun and damp soil. Source: Woodlanders. *Kushner*.

Hib2800 *Hibiscus trionum*. FLOWER-OF-AN-HOUR, VENICE MALLO. 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*.

Hib2900 *Hibiscus trionum* ‘**Simply Love**’. FLOWER OF THE HOUR. An. 24–36 x 12–18". Sun. Summer.

1143–Silvery-white blooms with dark purple throat. Blooms all summer, followed by attractive seedpods. Germ: Soak 24 d, BH, SS, 30. NST. *Berkshire Botanical Garden*.

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

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

Hic0600 *Hieracium pannosum*. HAWKWEED. Per. Sun/PtShade. Summer.

199-Yellow flowers. A unique and attractive hawkweed with wide felty gray foliage, almost like stachys, and yellow daisies in summer. Not a typical hawkweed since it lacks a basal rosette and runners, so is better behaved. Provide a dryish part shade to sunny location. *Cresson*.

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

507-A new red one, excellent shape blossom and a fine true red, grown in isolation and selfed, if that makes a difference. My foolproof method: after bloom when the weather warms put outside in a sunny spot, water well. Indoor foliage will yellow but new leaves will appear. In autumn, take it in and hold back water. Let it die down completely and hold in a darkened (this may be just superstition) place. When new shoot(s) appear, water and place in good light (direct sun not necessary.) Bloom will generally follow the leaves. I've kept them blooming for 10 yr sometimes. *Kolo*.

Hip1300 *Hippeastrum papilio*. Bulb. Sun. 1½–2' x 1'. Late Winter–Spring. Zone 8a–10b.

45-Larger amaryllis species. Tender bulb to 24", evergreen, flowers orange red and white pattern in winter. Not often seen. Germ: W, BC, NST. 90 d. *Bartlett*.

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*.

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*.

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

1277-Early summer flat corymbs of white blossoms; climbs to 30'. *Haas*.

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*.

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

199-Large shrub with large white lacecap flowers in early summer. Similar to *H. heteromalla* but has more pronounced exfoliating bark. From Rick Lewandowski's collection for Morris Arboretum near Beijing, China. So is quite hardy and grows well here. *Cresson*.

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

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

Hyd3600 *Hydrangea quercifolia*. OAKLEAF HYDRANGEA. Shrub. PtShade. Summer. Zone 5–9.

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*.

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

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

Hyd3670 *Hydrangea quercifolia* 'Ruby Slippers'. OAKLEAF HYDRANGEA. Shrub. Sun/PtShade. 3–4' x 3–5'. Summer. Zone 5–9.

1277-White blossoms. The Dept. of Agriculture, which hybridized this short cultivar, encourages gardeners to grow the seed and report the results back to them. Sow the seed on peat moss in a flat on a heat mat in mid-March, do not cover. They sprout like grass and grow on well. This cultivar has outstanding fall color and grows to just 3–4'. Germ: L. *Haas*.

Hyd3700 *Hydrangea sargentiana*. Shrub. PtShade/Shade. 10 x 10'. Summer.

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*.

Hyd3850 *Hydrangea serrata* 'Blue Billow'. Shrub. PtShade/Shade. 2½ x 3'. Summer.

199-Blue sterile flowers age purplish rose. Blooms June–July. Evenly moist soil. 'Blue Billow' was selected from the hardy Korean stock for its shorter, more compact habit and deeper blue flowers, but is slightly less hardy in the North. *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*.

Hydrangea serrata – *Ipheion uniflorum* f. *album*

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

199-Blue sterile flowers age purplish rose. Blooms June–July. Evenly moist soil. Hardier collection from Korea by Dick Lighty in the 1960s. Fred McGourty reported this hardy in Zone 4, NW CT, possibly the hardest blue hydrangea. Widens by rhizomes. *Cresson*.

Hyp1250 *Hypericum frondosum* ‘Sunburst’. GOLDEN ST. JOHN’S WORT. Shrub. Sun/PtShade. 3–4 x 3–4'+. Summer.

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

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

199-Bright yellow flowers. Large flowers similar to ‘Hidcote’, but with a taller, graceful, upright, arching habit. Repeats. Admired in England, should be more popular here. *Cresson*.

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

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

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

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

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

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

Hyp2450 *Hypericum tomentosum*. ST. JOHN’S WORT. Per.

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. Sun. 1 x 2'. Plant originally from Tony Avent. *Cresson*.

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

592-Bright yellow flowers, a few at a time, summer–fall. RHS dictionary says difficult, resenting disturbance. Pot plant for me, trying it indoors overwinter as opposed to storing dry. Odd foliage triangulation has grown on me. *Malocsay*.

Hys3010 *Hystrix patula* (syn. *Elymus hystrix*). BOTTLE-BRUSH GRASS. Per. PtShade/Shade. 12 x 12"; to 3' in bloom.

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

Ile0200 *Ilex crenata* ‘Dwarf Pagoda’. Shrub. Sun/PtShade. 6–8' x 6–10'. Zone 5b–9b.

3001-Open pollinated. Has produced some interesting small-leaved forms. Faster growing than parent. Size can vary from 1–3' at 5 yr. Germ: CMS: 60 d. R. Two mo cold period required. *Gregg*.

Ile0300 *Ilex crenata* ‘Sky Pencil’. Shrub. Sun. 6–8' x 1½–2' Zone 5a–8b.

3001-Open pollinated. Seedlings can be small to larger leaved, branching can be tightly held to 30–45° offset. All seedlings should be fastigiate. Germ: CMS: 60 d. Soak: 24 d. *Gregg*.

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

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

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

239-Bicolor rose and white blooms. Easy to grow impatiens that attracts hummingbirds. A 3–4' tall annual with a long period of bloom. Flowers are quite ornamental! Germ: NST. *Doering*.

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*.

Imp1200 *Impatiens capensis*.

3006-Intensely orange and heavily spotted selection. Collecting these seeds is like catching grasshoppers, so very few seeds. Indigenous seed collected from 21013 zipcode. *Mayer*.

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

522-Ultramarine blue flowers with white patch and yellow eye. One of the best impatiens around. Blooms and blooms. Source: Annie’s Annuals. See *Impatiens: the Vibrant World of Busy Lizzies, Balsams, and Touch-me-nots* by Raymond Morgan for photographs and advice. *Kushner*.

965-Helmet-shaped flowers appear on self-sowing plants in late summer and fall. May bloom in early summer if established by spring. A lovely filler with nearly true blue flowers. Germ: NST; BC; BH. *Umphrey*.

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*. ELECCAMPANE. 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*.

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

Iph2000 *Ipheion uniflorum* f. *album*. CHILEAN STAR FLOWER. Bulb. Sun/PtShade. 6–8". Spring.

199-White blooms. Strong garlicky scent to foliage makes this especially deer resistant. Flowers produced for over a month. *Cresson*.

- Ipo1350** *Ipomoea* ‘Chocolate Rose Silk’. HYBRID MORNING GLORY. TenVine. Sun/PtShade. 3–20'. Late Spring–Fall.
522-Chocolate blooms with a white picotee edge on a vine with variegated foliage. Large, showy flowers on a must have morning glory. Good bloomer. Source: Summer Hill Seeds. *Kushner*.
592-Hugely expansive. Late spring–fall. Huge, somewhat lax trumpet whose chocolate/rose oddity is mitigated by white picotee. Nicely variegated foliage. One seedling seems enough. Germ: Scfy. *Malocsay*.
- Ipo2550** *Ipomoea* × *multifida*. CARDINAL VINE. An. Vine. Sun. 8–10 x 3'. Summer–Fall.
2137-Cardinal climber vines are an easy to grow, climbing, annual vine. The twining stems will grow quickly up an arbor, trellis, or fence. The profusion of small, but brilliant red trumpet-shaped flowers begin to appear in midsummer, and continue blooming into fall. Finely cut, feathery, deep green foliage is attractive in appearance, growing on dark stems. Germ: Scfy, Soak 24 hr, W. 90 d. *Boylan*.
- Ipo3300** *Ipomoea purpurea* ‘Kniola’s Purple-Black’. MORN-ING GLORY. An. Vine. Sun. 10'. Summer.
1020-Dark blue purple blooms with ivory center. From 2015–16 HPS Seed Exchange. Germ: Scfy, Soak, D, SIS, NST. *Wiedorn*.
- Ipo3500** *Ipomoea* species. An. Vine. Sun. 15 x 6'.
2294-Blue/purple blossoms with white throats on an annual vine. Germ: Scfy, SIS. *Squitiere*.
- Ipo3700** *Ipomoea tricolor*. MORNING GLORY. An. Vine.
2294-Dark blue with white stripes, iridescent! Easy from seed. Germ: Scfy; Soak in warm water for 12 hr after nicking the seed. Sow inside early or in situ. *Squitiere*.
- Ipo5010** *Ipomopsis rubra*. STANDING CYPRESS, SCARLET GILIA, SKYROCKET. An./Bien. Sun/PtShade. 6" spread; 2–3' in bloom. Spring–Summer.
199-Scarlet-salmon flowers. Tall spike with feathery foliage. After mild winter, fall-germinating seed blooms in spring. More often, spring germination blooms late summer. Allow to self-sow. *Cresson*.
- 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.
199-Orange-yellow, spotted with maroon flowers. Three feet tall, branched stems with many spotted yellow-orange flowers in midsummer. Seedpods split to reveal round black seeds that hold into late fall. *Cresson*.
2294-Yellow/orange flowers. Foliage good through season, seeds in. *Squitiere*.
3333-Orange flowers. *Whipple*.
- Iri1060** *Iris domestica* ‘Hello Yellow’ (syn. *Belamcanda chinensis* “Hello Yellow”). YELLOW BLACKBERRY LILY. Per. Sun/PtShade. 1 x 1'. Summer.
522-Lovely, clear yellow flowers. *Kushner*.
- Iri1070** *Iris domestica* hybrid.
45-Combinations of yellow, purple, red, and orange blooms from May–June in full sun, to 24". Easy to grow. *Iris domestica* x *pardancanda norrisii*. Germ: NST. 40 d. *Bartlett*.
- Iri1120** *Iris ensata* (syn. *Iris kampferi*). JAPANESE IRIS. Per. Sun. 3½ x 3½'. Summer.
45-Japanese iris with large white flowers. Full sun. Well-drained soil. Easy and hardy. Germ: NST. 90 d. *Bartlett*.
- Iri1450** *Iris ensata* (purple). Per. Sun. 3½ x 3½'. Summer.
199-Single blue-purple flowers. Much admired flowers with falls veined in purple. Moist soil. *Cresson*.
- Iri2100** *Iris foetidissima*. STINKING GLADWYN. Per. Sun/PtShade. 3'. Summer.
2403-Blue flowers. Red berries in autumn. *Zeller*.
- 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*.
- Iri2500** *Iris graminea*. Per. Sun/PtShade. 8–12 x 12". Spring.
199-Purple and violet flowers. A dwarf spuria iris with attractive veining on flowers. Blooms in May. Fruity scent. Native to Europe. *Cresson*.
- Iri3300** *Iris pseudacorus*. YELLOW FLAG IRIS. Per. Sun. 2 x 2'; to 3' in bloom. Spring.
1020-Yellow flowers. Good native for damp areas. Very vigorous. Germ: NST. *Wiedorn*.
- Iri3670** *Iris Louisiana* hybrid.
45-Apricot/orange blooms. Seed from a hardy LA hybrid iris. Germ: Soak overnight. Sow with grit to hold seed in place. Be patient. *Bartlett*.
- Iri4400** *Iris sibirica*. SIBERIAN IRIS. Per. Sun. 3 x 3'.
543-Purple blooms on a very long-lived perennial. Requires division occasionally. Germ: BC, W, NST. *Leasure*.
- Iri5750** *Iris sintenisii*. DWARF SPURIA IRIS. Per. Sun/PtShade. 8–12 x 12". Spring.
199-Blue flowers. Looks like a miniature Siberian iris. *Cresson*.
- Iri5960** *Iris spuria* subsp. *maritima*.
45-A variety with good blue blooms in May. An easy species iris. Germ: NST. 60 d. *Bartlett*.
- 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*.
- Iri6540** *Iris typhifolia*. CATTAIL-LEAVED IRIS.
45-An easy species iris, narrow foliage, topped by blue flowers in spring. Full sun will give you a nice clump. Germ: 6 mo. *Bartlett*.
- Iri6600** *Iris versicolor*. BLUE FLAG. Per. Sun/PtShade. 3 x 1½'. Summer.
2429-Blue/purple flowers. Germ: CMS: 90 d; BC. *Bricker*.
- Isa1050** *Isatis tinctoria*. DYER’S WOAD. Bien./Per. 3–4'.
9976-Biennial crucifer, self-sowing freely once established. Nice acid-yellow flowers followed by glossy black seeds. Germinates cool, moist; sow in situ. Germ: SIS. *Wave Hill Gardeners*.

Kalimeris incisa – *Liatris microcephala*

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

208–Lavender flowers. This is an underused plant similar to boltonia, but more dependable in bloom and with much more presence. The flowers are larger, it blooms earlier and weaves better than boltonia. Long blooming. Germ: NST, 10 d. *Dahlke*.

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

Kal1250 *Kalimeris pinnatifida*. Per. Sun. 2½–3 x 2'. Late Spring–Fall.

208–Daisy-like white blooms on 1' plant. Flowers sequentially along stems all summer. Remove spent flowers to encourage repeat blooms. Germ: BC, NST. *Dahlke*.

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*.

Kir1100 *Kirengeshoma palmata*. YELLOW WAXBELLS. Per. PtShade. 4–6 x 2½–3'. Summer–Fall.

3001–Yellow flowers on hydrangea relative. Nice addition to the woodland garden. Germ: CMS; 30d. *Gregg*.

Kit1010 *Kitaibelia vitifolia*. Per./Shrub. 2 x 3'; from 4–5' in bloom. Spring–Summer.

1277–White, chalice-shaped flowers on tall, rough, leafy plants. *Haas*.

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

239–Excellent 5' plant for the back of a garden at the seashore. Soft, lovely pink-flowered perennial with salt tolerance that blooms midsummer on. Germ: Soak: 1 d, NST. *Doering*.

522–Pink flowers. Best planted in groupings, as these are not meant to be specimen plants. Have mine planted in bogs alongside Joe-Pye weeds and pink *Asclepias incarnata*. Germ: NST; BH 7–10 d. *Kushner*.

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*.

1017–Purple blooms on vigorous, free-blooming annual vine. *Whitesell*.

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*.

2199–White flowers. Germ: SIS, NST. *Cherry*.

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

522–Pink. I love annual *Lathyrus odoratus*, but it peters out in the heat. This sweet pea 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*.

Lat0100 *Lathyrus latifolius* 'Albus'. EVERLASTING PEA, PERENNIAL PEA. PerVine. Sun/PtShade. 6–9'. Summer–Fall.

1017–White blooms. I love the normal pink, but the white form is even more special. Blooms for months. *Whitesell*.

Lav0900 *Lavandula angustifolia* 'Lady'. LAVENDER.

84–Silvery foliage and lavender flowers make this 1–1½' perennial a good plant. *Bowditch*.

Lav1200 *Lavandula multifida* 'Spanish Eyes'. TenPer. Sun. 18–24 x 24". Summer. Zone 7a–10b.

9976–Lilac purple blooms. Nonhardy lavender grown as an annual NOT for the fragrance, but for the constant bloom from spring to frost. Wonderful silver feathery foliage topped by numerous flower stalks 1–2' high that continue to elongate and flower in an interesting spiral pattern. Can cut back hard and will continue to bloom. Reliable bloomer for seasonal displays and drought tolerant. Germ: C, BC, NST. 14 d. *Wave Hill Gardeners*.

Lav1250 *Lavandula pinnata*. FERNLEAF LAVENDER.

84–Both foliage and lavender flowers are ornamental. Frost tender. Gets to 1½' before frost. Germ: NST. *Bowditch*.

Leo0490 *Leonotis leonurus*. TenPer. Sun. 6 x 3'. Fall.

2199–Orange flowers. *Cherry*.

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*.

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

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

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

1017–Greenish white, 6–7' tall, fragrant flowers, leaves, and seeds. Bold-textured ornamental plant. *Whitesell*.

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

1999–Rose-purple blooms. *Norfolk Botanical*.

2517–Pink/purple flowers in August–September. 3–5'. Attracts butterflies and pollinators. Germ: NST. *Weaver*.

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

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

Lia2500 *Liatris spicata*. BLAZING STAR, GAYFEATHER. Per. Sun/PtSun. 2–5 x 1½'. Summer–Fall.

1277-Purple spikes in summer. 2'. Germ: NST. *Haas*.

2294-Purple spikes. Native perennial, sun. From 2010–11 HPS Seed Exchange. *Squitiere*.

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*.

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

199-Yellow daisy flowers in spikes above large green kidney-shaped leaves come as a delightful surprise at end of summer. Keep constantly moist and out of hot sun. Japanese native, also Korea, China, Siberia. *Cresson*.

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

522-Yellow-orange blooms on nice-clumping, cutleaf variety. Perfect bog plant. Mine bloomed in mid-June on 4' spikes. Source: Plant Delights. *Kushner*.

Lig4500 *Ligustrum japonicum* 'Recurvifolium'. CURLED-LEAF PRIVET. Shrub. Sun. 6–8'. Late Spring. Zone 6b–8b.

3001-White flowers. Leaves dark green and twisted at the tips. Drought tolerant. Grows to 8'. Germ: CMS: 30 d. *Gregg*.

Lil1530 *Lilium chalcedonicum* 'Black Beauty'. BLACK BEAUTY LILY. Per. Sun. 5–7'. Summer. Zone 5a–8a.

3321-Burgundy, white, and green blooms in late summer. Germ: W, SS, SR, cycle: 90 d at 70°, followed by 90 d at 40°. *Perron*.

Lil1700 *Lilium formosanum*. FORMOSA LILY, TAIWAN LILY. PerBulb. Sun/PtShade. 6–8 x 1½'. Late Summer–Fall. Zone 6+.

817-Solid white, no burgundy on outside. Otherwise identical. 6–7'. August-blooming white trumpets. Quick from seed. *Ruhren*.

1999-White flowers. Germ: BC. *Norfolk Botanical*.

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

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

Lil2750 *Lilium martagon*. MARTAGON LILY. PerBulb. Sun/PtShade. 4–6'. Early Summer.

215-Pink flowers. A swallowtail butterfly favorite. Will grow better with a bit of lime added each year if you have acid soil. Germ: Cycle: WMS 3 mo @ 70°, CMS 3 mo @ 40°, WMS 3 mo @ 70°. SR. Try starting in a baggie with vermiculite for faster bloom time. Hypogeal—WMS, forms bulb the first few months in the baggie; CMS, bulb requires a chill time; then WMS, until leaf forms. Takes 4+ yr to bloom from seed. Worth waiting for. *DeMarco*.

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

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

Lil3380 *Lilium* species. PerBulb. 1½–10 x 1½'.

1277-Mixed bloom colors. I wait each late spring for the appearance of these beauties. They appeared in one of my pots purchased at a plant sale. I believe they may be *Lilium x dalhansonii*, a cross between *L. martagon* var. *cattaniae* and *L. hansonii*. The leaves are whorled. I now have about 4 and each one is a different color. Germ: Cycle: WMS 3 mo, CMS 3 mo, WMS 3 mo, CMS 3 mo. *Haas*.

Lin1250 *Linaria purpurea*. TOADFLAX. Per. Sun/PtShade. 2–3 x 1½–2'. Summer–Fall.

2937-Violet blue blooms. Airy spires of tiny snapdragon flowers bloom most of the summer, nice blue-gray, narrow foliage which always looks attractive. *Bittmann*.

Liq1200 *Liquidambar styraciflua*. AMERICAN SWEETGUM. Tree. Sun. 60–75 x 40–50'.

926-Good fall color. Germ: 3 mo cold. *Streeter*.

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

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

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

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*.

1999-*Norfolk Botanical*.

2294-Red blooms. The holy grail of hummingbird attractors. Perennial, moist sunny areas. From 2010–11 HPS Seed Exchange. *Squitiere*.

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

9985-Red blooms. Germ: OW; L; NST; 30 d. *Jenkins Arboretum*.

Lob1350 *Lobelia cardinalis* 'New Moon Maroon'. RED-LEAFED CARDINAL FLOWER.

965-This exciting introduction from New Moon Nursery is supposed to be a hardy form of the tender red-leaved (probably hybrid) form of the species. Foliage is dull (rather than shiny) red, but very attractive, and the red flowers were elegantly displayed. Do not yet know whether it will return or if the seeds will come true, but it's worth a shot. *Umphrey*.

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

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

1585-Mostly blue, some white flowers. Biennial in my garden. *Scofield*.

Lob1750 *Lobelia siphilitica*. (Continued.)

2294-Blue flowers. Late summer perennial, bees love, native. Reseeds. *Squitiere*.

Lor1200 *Loropetalum chinense* f. *rubrum* 'Zhuzhou Fuchsia'. CHINESE FRINGE-FLOWER. Shrub.Sun/PtShade. 8–10'.

199-Deep fuchsia pink blooms. Reputedly the hardiest pink loropetalum, flowering with purple new foliage in spring. Not evergreen this far north, but still stunning in spring. *Cresson*.

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

522-This purple-blooming biennial is always welcome in the spring. *Kushner*.

1277-Purple flowers. Could have some variegated foliage mixed in. *Haas*.

2193-White blooms. Much nicer than the purple form. Germ: NST. *Ulmann*.

2294A-White blooms. *Squitiere*.

2294B-Spring lavender flowers. Later fun disc-like seedpods. Germ: SIS. *Squitiere*.

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*.

965-This is the form with white variegation on the leaves and complementary white flowers. Biennial, so grow the first year to bloom the second. Original seeds from the HPS Seed Exchange grown on by Annetta Kushner and passed along to me. *Umphrey*.

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

199-Cantaloupe-orange flowers. Goes well with other fruit-colored flowers such as 'Stella d' Oro'. Reblooms some if deadheaded. Sprawling habit, but can be pinched. Native to Korea. A reliable perennial, prefers drier site. *Cresson*.

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

65-Rose flowers. Biennial. *Berger*.

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

1939-Rose bloom. 12–15". Does not like wet. Germ: BH; NST, SIS. Sow outdoors in spring up to the two months before frost, or grow inside. *Urffer*.

2294-Hot pink/magenta blooms. Biennial. *Squitiere*.

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

2294-White flowers on a short lived perennial. *Squitiere*.

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

269-White with pink blush or all white blooms. This is a 1½–2'-foot tall biennial or short-lived perennial. Plants self-sow and come true from seed. This seed was collected from plants that were typical 'Angel's Blush', white flowers with pink centers, or all white. Produces (Continued.)

Lyc3150 *Lychnis coronaria* (Continued.)

clumps of silver-gray, feltlike leaves. Germ: L, SS, SIS, NST. 30 d. Easy to start in pots as well. Plants self-sow with abandon, so cut back as flowers fade to reduce self-sowing. Also pull up older plants to make room for younger ones. *Ellis*.

Lyc3250 *Lychnis coronata* 'Orange Sherbet'. Per. Sun/PtSun. 12–18 x 12–15". Late Spring–Midsummer. Zone 5a–9b.

199-Orange blooms. Clumps of rounded habit, 1 x 1'. Long bloom time since it is reputedly sterile, but did produce this seed. Good early to midsummer bloom display over light green foliage. Unlike many lychnis, a good perennial. *Cresson*.

Lyc3550 *Lychnis* 'Lipstick'. MALTESE CROSS. Per. Sun/PtSun. 18–24 x 15". Summer. Zone 4–8.

199-Orange-red flowers above bronzy-purple foliage in early summer. *Cresson*.

Lyc3750 *Lychnis viscaria* subsp. *atropurpurea*. GERMAN CATCHFLY. Per. Sun. 1–1½'. Spring. Zone 3–8.

2429-Dark pink flowers in early summer on leafless stalks over low basal foliage. Nice in a trough, rock garden, or border edge. Germ: W, SS, NST. *Bricker*.

Lyc9550 *Lycoris sanguinea* var. *kuisiana*. KYUSHU ORANGE SURPRISE LILY. Sun/PtSun. 12". Zone 5b–7a.

522-Apricot/orange blooms. May be *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*.

Lys1100 *Lysimachia ciliata*. FRINGED LOOSESTRIFE. Per. Sun/PtShade/Shade. Late Spring–Midsummer.

2294-Yellow on burgundy foliage. Summer bloom, native, TOUGH perennial. Mine are thriving in evergreen dry shade, next to trunk of mature white pine, which is probably the best location to keep it under control. Spreads by thick root system. Plant in only wilder areas, NOT for controlled gardens. Foliage goes to green late in season, some fall color. *Squitiere*.

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*.

Mag1050 *Magnolia ashei*. ASHE MAGNOLIA. Shrub/Tree. Sun/PtShade. 70 x 50'. Summer.

2294-Big, white, fragrant flowers. Huge leaves, try to plant in an area protected from wind. *Squitiere*.

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

3001-Open pollinated seed from 'Bracken's Brown Beauty'. Broadleaf 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-Open-pollinated seed from ‘Edith Bogue’. 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. 30–40 x 30'. Summer.

1170-White flowers from a magnificent specimen at the Henry Foundation. Donated by Susan Treadway. *Henry Foundation*.

3001-White blooms. An East Coast native, makes a great addition to the woodland garden background. Protect from strong winds. Fast growing, so pot up regularly. Leaves can be 3' long. Germ: CMS: 120 d. Needs CMS 3–4 mo, then room temperature, to germinate in 30–45 d. Seed is moist packed, so germination rate should be high. *Gregg*.

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. *Streeter*.

2294-Fragrant, white flowers in May–June. Like the common name sounds, prefers very moist soil. Catbirds usually eat all the ripe berries, I managed to get some. *Squitiere*.

Mal2050 *Malva sylvestris*. MALLOW. Per. 3 x 3'. Summer.

507-*Kolo*.

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

9985-White, light green blooms. Unique, clove-scented flowers appear along a tall stalk. Foliage is evergreen. Native agave relative. Germ: CMS: 90 d; OW; BC; NST; 30 d. *Jenkins Arboretum*.

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*.

797-*Robinson*.

Mer3000 *Mertensia virginica*. VIRGINIA BLUEBELLS.

1939-Sometimes blue, charming bell-shaped flowers in early spring. Native. Germ: CMS: 3 wk; C. *Urffer*.

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

200-*Creveling*.

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

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

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.

2515A-White flowers only. Germ: NST. *Doblmaier*.

2515B-Magenta flowers only. Germ: NST. *Doblmaier*.

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*.

Mon1080 *Monarda bartletti*. BARTLETT’S BEE BALM. Per. Sun/PtShade. 30 x 20". Summer.

1020-Magenta flowers. *Wiedorn*.

Mon1100 *Monarda bradburyana*. BRADBURY’S MONARDA.

522-Pink, white with purple-spotted flowers on gray-green foliage that is an aromatic member of the mint family. A native. Blooms are tubular, two-lipped. 18" tall. Blooms late spring–early summer. *Kushner*.

Mor2000 *Morella pensylvanica* (syn. *Myrica pensylvanica*). NORTHERN BAYBERRY, SWAMP CANDLEBERRY. Shrub. Sun/PtShade. 5–12 x 5–12'. Spring.

239-Yellowish green male catkins, ½" long in spring. Upright rounded, suckering, semideciduous shrub with glossy, dark green, aromatic foliage and waxy gray fruit. A drought and salt tolerant plant. Germ: CMS 90 d; OW; BC; SR; 14 d. Waxy coat must be removed. (I have removed it from this seed.) *Doering*.

Muh0100 *Muhlenbergia capillaris*. Grass. Sun. Zone 5–9.

2294-Pink, airy, open bloom. Native grass, 2–3 x 2–3'. Tolerates poor soils & drought. Very showy fall color. Plant with something pink, like self seeded *Celosia* ‘Pink Flamingo’. *Squitiere*.

Mus0900 *Musa velutina*. PINK VELVET BANANA. Per./TenPer. Sun/PtShade. 6 x 8'. Summer.

1999-Pink fruiting banana. Consistently hardy at NBG, zone 7b. Germ: NST. *Norfolk Botanical*.

Myo2000 *Myosotis sylvatica*.

3176-Bright blue flowers in spring on low-growing biennials. Germ: SIS, NST. Possibly start indoors for same season bloom. Self sows once established. *Maher*.

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. Much admired here and difficult to find. *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*.

Nic0600 *Nicotiana langsdorffii*. FLOWERING TOBACCO. An. Sun. 2 x 3'. Summer.

592-The soft green-flowering classic. Does get ahead of early tobacco budworm. July cutback helps mitigate over-extended bloom. Germ: NST. *Malocsay*.

797-Lime green/chartreuse flowers born in tall, graceful wands. Self-sows. Germ: BC; SIS. *Robinson*.

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

2621-Dainty 2"-long lime bells. Germ: L, SS. Reseeds. *Nachlas*.

Nic0900 *Nicotiana mutabilis*. FLOWERING TOBACCO. An. Sun/PtShade. 5–6'. Summer.

239-Great vertical structure with lovely pink flowers. Does self-sow moderately, but actually a pleasant surprise! Germ: NST. *Doering*.

Nic1110 *Nicotiana Nancy Ondra's 'Green Mix'*. An. Sun/PtShade. 4 x 1'. Summer–Fall.

1607-Green blooms. Great self sower. Attracts hummingbirds. From seed obtained from HPS Seed Exchange several years ago. Germ: BC; SIS, NST. *Jellinek*.

Nic2750 *Nicotiana sylvestris*. FLOWERING TOBACCO, GREAT WHITE TOBACCO. An. Sun/PtShade. 12 x 18"; to 5' in bloom. Summer–Fall.

200-Fragrant white blooms on 4–5' stalk. Reseeds. Germ: SIS. *Creveling*.

1020-White, long-tubed, fragrant flowers. Large leaves. Self-sows. *Wiedorn*.

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.

84-Tall annual with fragrant, white flowers. *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 it. 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*.

3176-Blue flowers. Old-fashioned annual with interesting seed heads Germ: SIS. *Maher*.

Oen1510 *Oenothera elata subsp. hookeri*. EVENING PRIMROSE. Per./Bien. Sun. 3 x 1'. Summer.

199-Soft yellow flowers flushed with pink. Biennial forming narrow-leaved rosettes, then lax sprawling branched stems 2–3' long. 4" soft yellow blooms, evening to following morning for 3 mo. Spent flowers become peachy red enhancing the effect. This is a "see through" plant. Self-sows politely. Native to western states. *Cresson*.

Oen1650 *Oenothera glazioviana 'Tina James'*. TINA'S MAGIC EVENING PRIMROSE. Per. Sun/PtShade. 3–4'. Summer.

215-Yellow flowers. Germ: SS, SIS. Biennial. Sow in situ in summer for bloom the following year. *DeMarco*.

2621-Fragrant, lemon yellow flowers on a biennial, 3', drought tolerant. Sort of a coarse plant but the blooms pop open at dusk. Quite a summer spectacle. Pollinated by moths at night. Germ: Cycle: 60 d at 40°F, then warm. R, OW, BC. *Nachlas*.

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

1277-Haas.

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

199-White blooms. New miniature Chinese species with tufts of very narrow foliage. Stalks of white flowers in June are followed by round cobalt blue fruit in autumn. Has been making the rounds under the erroneous name *O. Chingii*. *Cresson*.

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

592-White blooms. Basal rosette nicely fine, flowers shed less than Queen Anne's lace in bouquets. A second sowing adds fall freshness. Deer do like it. Does transplant young. Germ: NST, SIS. *Malocsay*.

965-White blooms. Like a particularly elegant annual Queen Anne's lace, with larger sterile flowers and wonderfully lacy foliage. Bloomed early summer for me, then went to seed. Lovely while it lasted. *Umphrey*.

2294-White, early summer blooms. Looks like Queen Anne's lace, annual, 24" high. *Squitiere*.

2429-White blooms. Germ: NST. *Bricker*.

Orn0100 *Ornithogalum arabicum*. ARABIAN STAR FLOWER. TenBulb. Sun. 12–32". Early Summer.

926-Racemes of creamy white flowers with black button centers (ovaries). Not hardy—I winter it in the greenhouse. *Streeter*.

Orn1000 *Ornithogalum magnum*. Bulb. Sun/PtShade. 1–3 x 1–2'. Zone 5–8.

2294-Late spring white bloom, 2–3' spires. Not invasive like its cousin *O. umbellatum*. *Squitiere*.

Orn1030 *Ornithogalum pyramidale*. STARS OF HUNGARY. Bulb. Sun. 18"; to 2–3' in bloom. Summer.

199-White flowers with green stripes. Not weedy, but proving a good grower with tall, many flowered spikes in mid-late June. *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*.

Pac3000 *Packera aurea*. SENECIO, GOLDEN GROUNDSEL, RAGWORT. Per. Sun/PtShade. ½–2½ x ½–1½'. Spring. Zone 3–8.

2294-Yellow daisy flower in early spring. If you plant it in moist soil, like they say, it will run rampant. If placed in a dry shade difficult area, such as under an *Acer rubrum* like mine, it will help control it. Drought tolerant.

(Continued.)

Pac3000 *Packera aurea*. (Continued.)

If dry for extended time, will go dormant. Midsummer after bloom it's not a showplant, but it does the job of groundcover—keeping the weeds out. Germ: SIS. *Squitiere*.

Pae0500 *Paeonia anomala*. Shrub. Sun/PtShade. 2½ x 2½'. Late Spring. Zone 3–9.

3001—Red blooms. One of the hardiest herbaceous paeonias, and one of the earliest to bloom. Grown for its attractive, fine-textured foliage, as well as its pink to red, 3" blossoms. *Gregg*.

Pae2000 *Paeonia lutea* (syn. *Paeonia lutea* var. *ludlowii*). TREE PEONY. Shrub. 4–6 x 3–4'. Late Spring–Early Summer. Zone 6a–9b.

3001—Open, upright, medium sized woody Paeonia, grown as much for its deeply cut foliage as for its 3" solid yellow blossoms. Slow growth. Warm moist stratification for root development (2–4"), then cool/cold for top growth. Seeds can be sown 3–4" deep in the garden in fall or early winter for germination. Seed a gift from Roger Dinsdale, UK. *Gregg*.

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

65—Pink flowers. Lovely woodland peony known for lipstick red seedpods filled with black seeds. *Berger*.

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

522—White with red and purple blooms on Chinese herbaceous peony. Grows well in part shade. 1–2 x 1–2'. Flowers showy and fragrant. Source: Peony's Envy. *Kushner*.

5024—White to pale pink blooms. Germ: Cycle: 70°F until germination occurs, then 40° for 90 d. Seeds require scarification. Nick or abrade with sandpaper or file. *Iroki Garden*.

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

926A—Burgundy color. *Streeter*.

926B—White blooms with dash of a red flare in center. *Streeter*.

Pan0610 *Panicum virgatum* 'Dallas Blues'. BLUE SWITCH-GRASS. PerGrass. Sun. 3–4'. Summer.

2937—A large grass with bluish foliage and pinkish blooms. Low germination rate, but the ones which do sprout also have a nice bluish color. *Bittmann*.

Pap0020 *Papaver alpinum*. ALPINE POPPY. Per. Sun. 1 x 1'. Spring–Fall.

840—Pale orange flowers. Likes full sun, needs good drainage, drought tolerant, and self-sows. Long blooming period. Good addition to an informal garden or borders. The alpine poppy is one of my favorites. Germ: SIS, Rtp. Easy—winter hardy. *Schmitt*.

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*.

199—*Cresson*.

1607—*Jellinek*.

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

2621—Papery airy apricot flowers. Tough, drought resistant. Full sun. Germ: C, NST. *Nachlas*.

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

926—Bright red flowers. *Streeter*.

1277—Pink poppy flowers. Germ: SIS; Rtp. *Haas*.

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*.

2294—Red (not orange) late spring/early summer bloom, partial shade gives deeper red color. Re-seeds. From Italy, I call them my Lenno poppy. Germ: NST, SIS. *Squitiere*.

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*.

2294—Orange blooms. Early May bloom, annual, 12" high in bloom. Will reseed. Germ: SS, NST, SIS. *Squitiere*.

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*.

Pap3320 *Papaver somniferum* 'Danish Flag'. OPIUM POPPY. An. Sun. 2–3 x 1'. Summer.

2294—Red and white blooms on a beautiful poppy. Germ: SIS. *Squitiere*.

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

1759—Red/purple blooms with purple fringe. Germ: SIS. *Vernick*.

2294—Beautiful flower. Magenta/purple frilly blooms, white center/stamens. Truly a drama queen in the poppy world. Annual, 2–3' tall in bloom, pods decorative, will seed in if pods left on to age. Germ: NST. SIS. *Squitiere*.

Pap3450 *Papaver somniferum* 'Lauren's Grape'. CARNATION POPPY, OPIUM POPPY. An. Sun. 2–4 x 1'. Summer.

84—Grape-purple flowers. Attractive foliage with dynamic 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*.

797—Various, pale purple flowers. Germ: BC; SIS early spring. *Robinson*.

1143—Plum purple blooms with dark purple spots in the centers. Favorite among staff and visitors. Self sows beautifully. Germ: WMS 21 d, OW, SS, SIS, 21 d. NST. *Berkshire Botanical Garden*.

2294—Purple blooms. Annual. Germ: Scatter seed late winter where you want them to grow. Don't cover up with mulch. *Squitiere*.

Papaver somniferum – *Persicaria orientalis*

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*.

Pap3630 *Papaver somniferum* var. *paoniiflorum*. PEONY-FLOWERED POPPY. An. Sun. 4 x 1'. Summer.

2294–Coral blooms. Mid-spring annual opium poppy, some single and double flowers, glaucous foliage, 12–15" high, reseeds. *Squitiere*.

Pap3650 *Papaver somniferum* (pink, double). OPIUM POPPY. An. Sun. 4 x 1'. Summer.

592–Fully double pink blooms. Striking. Germ: SIS. Rtp. SIS ASAP for bloom in June, self-sowing thereafter. *Malocsay*.

Pap3950 *Papaver somniferum* (purple, double). OPIUM POPPY. An. Sun. 4 x 1'. Summer.

2294–Semidouble, purple blooms. Annual. *Squitiere*.

Pap4150 *Papaver somniferum* (red, double). An. Sun. 4 x 1'.

2294–Double burgundy summer blooms on annual. Can seed around. Germ: SIS. *Squitiere*.

Pap4700 *Papaver somniferum* (white, single). An. Sun. 4 x 1'. Summer.

2294–Annual, 3' high in (white) bloom. Seedpods are decorative; can be painted for fun. Germ: NST, SIS. *Squitiere*.

Par1650 *Paradisica lusitanicum*. PerBulb. Sun.

199–White blooms. Small lily-like flowers along a tall spike. Strappy leaves at the base. Forms a clump in a sunny location with good drainage. A rare plant in cultivation. Southern Europe. 5' tall. *Cresson*.

Par4010 *Parthenium integrifolium*. WILD QUININE. Per. Sun/PtShade. 2–4 x 1–2'. Summer–Fall.

2294–White blooms. Cauliflower-looking flowers, long-blooming perennial, 3–4' high. *Squitiere*.

2429–*Bricker*.

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*.

269–Purplish blue and white blooms. A native vine that climbs by tendrils, this species reaches 6' and spreads as far. Plants bear 3–5-lobed leaves and 3"-wide flowers in mid to late summer. Blooms are followed by edible, oval, green to yellow fruit. Plants spread by root suckers to cover a wide area. They die to the ground in winter and are very late to emerge in spring (late May in my garden), so mark their locations. Sun to part shade with average soil. Use on a trellis or for covering spoil areas. Germ: CMS. Soak: 2 d, W, OW, *Ellis*.

Pat2050 *Patrinia scabiosifolia*. GOLDEN LACE. Per. PtShade/Shade. 3–6 x 1½–2'; from 3–5' in bloom. Summer. Zone 5–8.

2294–Long, yellow blooms. Perennial, full sun, see-through plant. *Squitiere*.

2429–*Bricker*.

Pat2060 *Patrinia scabiosifolia* 'Nagoya'. Per. Sun. 2–3 x 1–1½'. Summer–Fall.

1580–Unusual plant with overall flower color being chartreuse. Late season blooms are long lasting. The species grows to 5–6' in height and foliage remains clean all season. Sun or part shade with moist soil preferred. Germ: C, BC; 50d. *Romenesko*.

Pel2050 *Peltoboykinia watanabei*. Per. PtShade/Shade. 18 x 18". Late Spring.

199–Yellow blooms. Japanese woodland plant with greenish-yellow flowers in summer. *Cresson*.

Pen2200 *Penstemon canescens*.

2515–Pale violet flowers. This penstemon tolerated extremely dry conditions under an overhang this summer and the foliage still looked fresh in autumn. Would look great in a rock garden setting. Germ: W, NST. *Doblmaier*.

Pen3000 *Penstemon digitalis*. BEARD TONGUE, FOX-GLOVE. Per. Sun/PtShade. 4 x 1½'. Summer.

2937–Pale pink blooms. Seed are collected off 'Dark Towers', a pink-flowering hybrid with dark purple foliage. Hopefully some of the seedlings will share their parent's good looks. *Bittmann*.

9985–White blooms. Germ: OW; L, SS; NST; 30 d. *Jenkins Arboretum*.

Pen3050 *Penstemon digitalis* 'Husker Red'. FOXGLOVE, BEARD TONGUE. Per. Sun/PtShade. 4 x 1'. Summer.

2294–White blooms. Perennial, better in unamended soil. Burgundy/green foliage. *Squitiere*.

2515–White bloom. Nice burgundy foliage. *Doblmaier*.

Pen4700 *Penstemon* × *mexicali* 'Carillo Red'. BEARD-TONGUE. Per. Sun/PtSun. 15 x 12–16". Summer. Zone 5–9.

1277–Rosy-red blooms. Needs well-drained, moderately fertile soil. Does not like wet winter conditions (read, does not survive) but takes drought and full sun very well. 8–10 x 8–10". *Haas*.

Pen5300 *Penstemon smallii*. SMALL'S BEARDTONGUE. Per. Sun/PtShade. 6 x 6"; to 1' in bloom. Spring–Summer. Zone 5+.

1277–White blooms with pink overtones. A very nice dependable penstemon for our area, though not very flashy. Germ: CMS 90 d. *Haas*.

Per0040 *Perilla frutescens*.

2429–Germ: NST. *Bricker*.

Per0200 *Perilla frutescens* 'Crispa'. An. Sun/PtShade.

2621–Rich metallic purple and dark green leaves. Great 2½ x 3' spot of color, blooming in summer. Used in Asian cooking. Germ: W, NST. *Nachlas*.

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 midsummer 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*.

- Per2650** *Persicaria orientalis* ‘Shiro-gane Nishiki’. (Continued.)
2621-Tall (5’), lovely velvety foliage with cream splotches, late summer, drooping pink plumes, prefers rich soil, good moisture, sun to part sun. Germ: Cycle: 30 d at 40°F, then warm. R, W. *Nachlas*.
- 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*.
- Phl0050** *Phlomis cashmeriana*. Per. Sun. 3–4 x 1’. Spring.
1277-Lilac blue flowers. Adds structure to the garden; fuzzy flowers in tiers. Germ: CMS 90 d. *Haas*.
- Phl0100** *Phlomis russeliana*. JERUSALEM SAGE. Per. Sun/PtShade. 3–4 x 2’. Early Summer.
199-Yellow blooms. Gray, felty, heart-shaped basal leaves. Spikes of tubular yellow flowers. *Cresson*.
- Phl0200** *Phlomis tuberosa*. Per. Sun/PtSun. 1 x 1½; 3–5’ in bloom. Summer.
199-Purplish pink flowers. Summer bloom on tall spikes to 6’ above large basal leaves. Drought tolerant. *Cresson*.
- Phy0040** *Physocarpus opulifolius Diabolo*®. NINEBARK. Shrub. Sun. 5–10’. Spring.
1277-Pinkish white flowers. Plants resulting from seed probably won’t have the purple-colored leaves, but you might want to take a chance. Germ: NST. *Haas*.
- Phy1250** *Phytolacca americana*. POKEWEED. Per. Sun. 10 x 3’. Late Spring–Midsummer.
3006-White blooms. Grow for statuesque quality, 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.
3006-Interesting cultivar with lovely chartreuse leaves in spring, becoming more mottled and darker green in summer (in shade.) Spectacular paired with *Paeonia* ‘Bowl of Beauty’. Native. Germ: OW; SIS. Very large plant suited to a wild border or larger areas. Tolerates heavy pruning. Seeds from HPS 2014 via Wave Hill. *Mayer*.
- Pil1000** *Pilosella officinarum*. MOUSE-EAR HAWKWEED. Per. Sun/PtSun. 8–12’ tall. Early Summer. Zone 6–9.
199-Forms a grey-foliaged mat of stoloniferous rosettes with lemon-yellow dandelion-like flowers in early summer. Good groundcover for a dry sunny site. Needs space. *Cresson*.
- Pit2000** *Pittosporum heterophyllum*. CHINESE PITTOSPORUM. Per. Sun/PtShade. 6–10 x 6–10’. Early–Mid Spring. Zone 8a–10b.
1865-Fragrant yellow/cream flowers. Evergreen. (I keep mine in a pot.) Germ: W, NST. *Bennett*.
- Pla2000** *Platycodon grandiflorus* (syn. *Campanula glauca*). BALLOON FLOWER. Per. Sun/PtShade. 2–3’ x 12–15". Summer.
318-Blue flowers. *Garnett*.
1277-Blue flowers, 2’. *Haas*.
1585-Blue flowers, maybe some whites. Seed may include doubles. Germ: NST. *Scofield*.
2294B-Blue flowers. I’ve never tried it from seed, but I’ve had occasional volunteers. Original plant was purchased and has been in my garden now for years. Pinch back to avoid flopping. Floriferous. Good fall color. Germ: NST. *Squitiere*.
- Pla4000** *Platycrater arguta*. Shrub. PtShade/Shade. 3 x 3’. Early Summer–Early Fall.
3001-White flowers on hydrangea relative. Blooms early summer to September. Nice in the woodland garden. Germ: W; L. *Gregg*.
- Pol0250** *Polanisia dodecandra*. DWARF CLEOME. An. Sun. 2 x 1½’. Summer–Fall.
797-White flowers. Germ: BC; SIS. *Robinson*.
- Pol1910** *Polemonium reptans*.
199-Blue flowers. E. N. American native and probably the easiest species to grow. May naturalize. *Cresson*.
- 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*.
- Pol2730** *Polygonatum biflorum* var. *commutatum*. GIANT SOLOMON’S SEAL. Per. PtShade/Shade. 4–6 x 2’.
199-White flowers in spring/summer. 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*.
- Pot2450** *Potentilla thurberi*. CINQUEFOIL. Per. Sun/PtShade. 1½ x 1’. Spring/Summer.
199-From the Southern U.S. 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*.
2515-Red flowers. Each flower bud may be small on this plant, but having a few open makes quite a statement. Long bloom time for a drier location. Germ: W, NST. *Doblmaier*.
- Pri2350** *Primula japonica* (pink). JAPANESE PRIMROSE. Per. PtShade. 2 x 1½’. Spring.
2294A-Dark pink blooms. Enjoys very moist conditions, beside a stream. *Squitiere*.
2294B-Varying shades of pink, candelabra-type blooms. Goes dormant in summer. *Squitiere*.

Primula veris – *Robinia hispida*

Pri3350 *Primula veris*. COWSLIP, ENGLISH COWSLIP. Per. PtShade. 6–10 x 6–10". Early Spring.

1277-Yellow blooms. A cheerful and dependable primrose. Germ: OW, CMS 90 d. *Haas*.

1585-Bright, sunny, yellow blooms. Clusters of flowers hang from 8" stalks above bright green basal rosettes. Germ: W, SS. Slow to germinate. *Scofield*.

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*.

Pul1040 *Pulsatilla vulgaris*. PASQUE FLOWER. Per. Sun. 6 x 12". Spring.

2294-White blooms in very early spring. Herbaceous perennials forming clumps of finely dissected leaves, with solitary, hairy, bell-shaped or cup-shaped flowers followed by silky plumed seed heads. *Squitiere*.

Pul1050 *Pulsatilla vulgaris* var. *rubra*. PASQUEFLOWER. Per. Sun/PtShade. 6–12". Spring. Zone 3a–6b.

2429-Red/maroon flowers. Germ: C, BC, NST. *Bricker*.

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.

118-Germ: CMS 3mo; L; W; 6mo. *Stonecrop Gardens*.

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 'Cat Springs', but the wild type was close by. *Ruhren*.

Rab1000 *Rabdosia longituba*. Per. Sun/PtSun. 5 x 2'.

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 to 6' in bloom. *Cresson*.

Res1500 *Reseda luteola*. An./Bien. Sun/PtSun. 2–5 x 1'. Late Spring–Summer.

118-Yellow blooms. Long, meandering, slender spikes of small, yellowish flowers top narrow, lance-shaped leaves. Germ: W, SS. *Stonecrop Gardens*.

Rha0200 *Rhaphiolepis indica*. INDIAN HAWTHORN. Shrub. Sun/PtSun. 3–4 x 3–4'. Spring. Zone 8–10.

199-Evergreen shrub bearing clusters of white flowers in spring followed by black fruit in fall. Not hardy but has wintered in my unheated coldframe for 40 yr. *Cresson*.

Rha0500 *Rhapidophyllum hystrix*. NEEDLE PALM, BLUE PALMETTO. Palm. Sun/PtShade. 5 x 5'. Summer.

199-Seed from my plant. Hardy outdoors since 1997 without protection! The hardiest palm. Considered Zone 6 or colder! A scrub or bush palm with palmate leaves and no trunk. Native to South Carolina, Georgia, Alabama and Florida. Germ: BC; W; 6 mo–2 yr. Palms should be sown immediately and can be slow to germinate. *Cresson*.

Rho1860 *Rhododendron canescens*. PIEDMONT OR FLORIDA PINXTER AZALEA. Shrub. Sun/PtShade. 4–5'. Zone 5–9.

3001-Fragrant pink/white, early spring-flowering native to SE U.S. and parts of the mid-Atlantic. 6–12'. Multi-stemmed, drought tolerant. The plant can be stoloniferous in the right soil. Can grow in full sun to nearly full shade, though bushier with more sun. Germ: L, W. *Gregg*.

Ric1050 *Ricinus communis*. CASTOR BEAN. An. Sun. 5–6 x 5'. Summer.

2890-Red flowers. Castor bean is a herbacious annual which can reach to nearly 15' tall when growing in open spaces in warm climates. Large leaves are alternate, palmately lobed with 5–11 toothed lobes. Leaves are glossy and often red- or bronze-tinted when young. Flowers appear in clusters at the end of the main stem in late summer. The fruit consists of an oblong spiny pod which contains three seeds on average. Seeds are oval and light brown, mottled or streaked with light and dark brown and resemble a pinto bean. The plant itself is fast growing and easily grows to maturity in my Zone 7b. My plant is the tallest plant in our community garden—taller than cannas or sunflowers. Every part of the plant is poisonous to humans and animals. Germ: SR, W, SS, NST. 14 d. *Carrington*.

Ric1160 *Ricinus communis* 'Carmencita'. CASTOR BEAN. An. Sun. 5–6+ x 5'. Summer.

200-Maroon and white blooms, bold bronzy leaves on tropical, poisonous plant. Will self-sow. Germ: SIS. *Creveling*.

2937-Large, bronze leaves and bright red seed clusters. *Bittmann*.

3006-Cream and maroon blooms. Bronze new leaf turns to reddish-green with age. Start early indoors. *Mayer*.

Ric1200 *Ricinus communis* 'Carmencita Pink'. CASTOR BEAN. An. Sun. 6 x 3'. Summer.

2515-Pink flowers. All parts of this plant are poisonous. Leaves are large with a slightly reddish tint. Quite a bold statement in the garden. Germ: BH. *Doblmaier*.

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

590-Red blooms. Seed from 2015–16 Seed Exchange. *Mahony*.

3176-Maroon leaves and red flowers create a dramatic accent. Poisonous, especially seeds. Prefers sun. 6–9'. Germ: Start early indoors. *Maher*.

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*.

Ric1500 *Ricinus communis* 'New Zealand Purple'. PURPLE CASTOR BEAN. Shrub. Sun. 6–10'. Late Summer/Early Fall. Zone 8a–11.

1143-Red bloom. *Berkshire Botanical Garden*.

Rob0500 *Robinia hispida*. BRISTLY LOCUST, ROSE ACACIA. Shrub/Tree. Sun. 2–10 x 5–15'. Spring.

9985-Pink flowers dangle from bristly brown stems in late spring. Slightly fragrant and very attractive. Plant is rhizomatous and will spread around. Germ: Scfy; OW; BC; NST; 30 d. *Jenkins Arboretum*.

Rod1040 *Rodgersia pinnata* ‘Superba’. Per. PtShade. 1 x 1½.
199-Pink flowers in summer. Reddish foliage, especially when young. Darker than many I’ve seen. *Cresson*.

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

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

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*.

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 CONE-FLOWER. 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. *sullivantii* ‘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*.

Rud2750 *Rudbeckia hirta* ‘Cherokee Sunset’. Bien./Per. Sun. 2–3'. Summer–Fall.

2621-Flower has yellow tips, red surrounds brown button. Bright, bold. 1½ x 3'. Full sun to partial shade, rich, moist preferred. Germ: CMS 30 d, W. *Nachlas*.

Rud2900 *Rudbeckia hirta* ‘Indian Summer’. INDIAN SUMMER CONEFLOWER. An./Bien. Sun. 2–3'. Summer–Fall.

1277-Yellow/gold flowers with brown centers. Self-seeds, not invasively at my house. Germ: NST. *Haas*.

Rud3850 *Rudbeckia laciniata* ‘Herbstsonne’. CONEFLOWER. Per. Sun/PtShade. 6 x 2–3'. Summer.

926-Yellow flowers in September–October. Tall and graceful. *Streeter*.

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*.

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

1020-Yellow with black centers. Blooms mid-August to frost. Self-sows. *Wiedorn*.

1277-Gold flowers with black centers. Many small flowers in late summer. Self-sows a little here. Germ: NST. *Haas*.

2621-Short lived perennial, 30 x 20". Light airy profuse sprays of smaller flowers: red-tipped, yellow petals around a brown center. Tolerates deer, drought. Germ: CMS 30 d. *Nachlas*.

9985-*Jenkins Arboretum*.

Rud5200 *Rudbeckia triloba* ‘Prairie Glow’. BROWN-EYED SUSAN. Per. Sun. 3½ x 1'.

965-Gold with red blooms. A nice variant of the very useful native biennial *Rudbeckia triloba*. The two-toned flowers are attractive, and the plants I grew did not seem as vigorous as the straight species. Do not yet know whether it will self sow with the same enthusiasm. *Umphrey*.

Rue1040 *Ruellia humilis*. WILD PETUNIA. Per. Sun/PtShade. 1 x 1'. Summer.

965-Blue violet blooms. A tough native for dry sunny spots. Young plants are slow to get going, but they form nice 1' mounding plants in time. Plants seed around (beware of exploding seed capsules) but the seedlings are very small the first year, so easy to manage. Pretty flowers are short lived but keep on coming all through August. *Umphrey*.

1277-Blue-violet flowers. Perennial. Think this might be *R. humilis* or *R. carolinensis*, but not sure. Mine only got to 1'. Nice plant. *Haas*.

1865-White blooms. Germ: W. Treated seeds with GA–3 before sowing at 70°F. *Bennett*.

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

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

Rut1010 *Ruta graveolens*. COMMON RUE. Per. Sun. 2 x 2'.

2137-Rue plants have bluish-green, fernlike leaves that are bushy and compact. The summer-blooming flowers on the rue herb are yellow with petals that are frilly on the edges and the center of the flower is normally green. Germ: W. 90 d. *Boylan*.

Sab1100 *Sabatia kennedyana*. PLYMOUTH ROSE GENTIAN. Per. Sun/PtSun. 30". Zone 7b.

1114-Bright pink w/white center. Very attractive, fragrant composite flower, blooming in late May to July. Excellent companion for carnivorous plant gardens. Germ: CMS: 30–40 d; BH; SS; SR; 20–30 d. *Aquascapes Unlimited*.

Sal0100 *Salix gracilistyla* ‘Melanostachys’. BLACK PUSSY WILLOW.

208-Black catkins on 15 x 15' shrub, if not cut back in spring after bloom. Sun. Caution: Do not plant near water lines or septic systems. *Dahlke*.

Sal0200 *Salvia* ‘Amistad’. AMISTAD PURPLE SALVIA. TenPer. Sun. 3–4'. Zone 8a–10b.

200-Purple ‘Black and Blue’ prolific bloomer. Flowers all season. 3–4'. *Creveling*.

Salvia azurea – *Sarcococca hookeriana* var. *humilis*

- Sal0600** *Salvia azurea*. BLUE SAGE, PRAIRIE SAGE. Per. Sun. 3 x 2'. Summer.
2515-Lovely light blue salvia. Drought tolerant. Native to central US. Bee magnet for me this year. *Doblmaier*.
- Sal1000** *Salvia coccinea*. TEXAS SAGE. An. 1–3 x 2'.
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".
318-Summer–fall bloomer. *Garnett*.
- 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*.
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*.
- Sal1600** *Salvia farinacea* 'Victoria'. An. Sun. 3½ x 2½'. Summer–Fall. Zone 8–10.
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.
199-Indigo blue flowers. One of the hardiest forms of this species which has been hardy outdoors, protected by a mulch for 30 yr. 5–6' tall when established. July–October bloom. *Cresson*.
318-Deep, strong, true blue flowers. *Garnett*.
522-Brilliant, true-blue blooms for months. *Kushner*.
- Sal3600** *Salvia roemeriana*. Per. Sun/PtSun. 18 x 24". Late Spring.
2515-Red flowers. Bloomed from June to frost. Small plants made a bold statement in the front of the border. Likes a drier soil. *Doblmaier*.
- Sal3850** *Salvia patens* 'Blue Angel'. BLUE ANGEL GENTIAN SAGE. Per. Sun. 24–28". Midsummer 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*.
- Sal3870** *Salvia patens* 'Patio Sky Blue'. Sun.
84-Pale true blue blooms on a low (12") tender perennial. Excellent in containers. *Bowditch*.
- Sal4400** *Salvia sclarea*. CLARY SAGE, TRUE CLARY SAGE. Per. Sun. 6 x 12"; from 2–3' in bloom. Summer.
2429-Biennial with blue flowers in early summer. A strong vertical element with scented foliage. Cut back after bloom to limit reseeding. *Bricker*.
- Sal4500** *Salvia sclaria* var. *turkestanicaa*. CLARY SAGE. Bien. Sun. 30 x 18"; to 36" in bloom. Spring–Summer.
2294-Blue blooms. Great vertical element in early summer—deadhead to avoid reseeding, strong-scented foliage. *Squitiere*.
- Sal4890** *Salvia splendens* 'Louie's Orange Delight'. TenPer. Sun/PtShade. 18–24 x 18–24". Summer–Fall.
199-Orange blooms. Nonhardy bushy annual that blooms continuously, even in winter as a houseplant. Easy from seed or cuttings. I couldn't do without this in my hot color border summer to fall, 2–3' tall and wide in rich soil and sun. Apparently this is the true form rather than the red thing under this name in garden centers. Comes true from seed. *Cresson*.
- Sal4910** *Salvia splendens* 'Peach'. An. PtShade. 3–4 x 3'. Summer–Fall.
199-Upright bushy plant habit. Spikes of peachy pink flowers with orange calyxes. I grow it with *Rosa* 'Mutabilis'. Blooms all summer outdoors and winter indoors, 2–3' tall. *Cresson*.
522-A tall coral peach salvia. Mine grew to 5' and started blooming in June–October. *Kushner*.
- Sal5150** *Salvia tiliifolia*. An. Sun. 36–48 x 24–36". Late Summer–Early Fall.
2515-Purplish blue blooms. Lovely salvia that blooms all summer long with deadheading. I've tried this plant in containers and in garden beds and it does much better in the ground. The original seed was from the 2013–14 HPS Seed Exchange. Germ: W, NST. *Doblmaier*.
- San0100** *Sanguisorba armena*. Per. 3–4'.
199-White blooms. Large glaucous 3' foliage resembles *Melianthus major*. Nodding, white, bottlebrush flower spikes in early summer. Probably best with part sun and moist soil. Turkish native. *Cresson*.
- San0750** *Sanguisorba hakusanensis*. Per. Sun/PtShade. 18–24".
199-Pink blooms. Rare Japanese perennial with gray-green leaves and pink bottlebrush flowers in July–August. *Cresson*.
- San1200** *Sanguisorba officinalis*. GREAT BURNET. Per. Sun. 3–4 x 2–2½'. Late Spring–Early Summer. Zone 4–8.
590-Deep red, bottlebrush or catkin-like blooms. *Mahony*.
- San1400** *Sanguisorba obtusa*. JAPANESE BURNET. Per. Sun/PtShade. 2½ x 2'. Summer–Fall.
199-Spikes of pink bottlebrush blooms July to Sept. Enjoys rich organic soil. Similar to *S. hakusanensis*, but later bloom. Japan. *Cresson*.
- 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*.
- Sar1050** *Sarcococca hookeriana* var. *humilis*. HIMALAYAN SWEET BOX. Shrub. PtShade/Shade. 1½ x 3'. Late Winter.
3001-White blooms. A small, fragrant, evergreen shrub (12–24"). Very slow growing. Usually listed as a zone 7–9 plant, but can be grown in zone 6, as long as it's protected from winter winds. Blooms late winter. Nice in the front of the border, as an edging plant, or outside a home entrance, for its fragrance. *Gregg*.

Sar1400 *Sarcococca orientalis*. WINTER BOX. Shrub. 4'.

199-White flowers. December bloom! Relatively new species from China. Surprisingly hardy. Rounded evergreen shrub with fragrant white flowers from pinkish buds. Takes heavy shade. Black fruits ripen the following autumn. *Cresson*.

Sar1450 *Sarracenia flava*. YELLOW PITCHER PLANT. Per. Sun. 1½–3'.

1114-Red flowers. Cold hardy to zone 5. Produces tall wide-mouthed tubes from April to June and Sept to Oct, with large, fragrant flowers in April/May. Water with rainwater only. Full sun. Constant moisture. Germ: CMS: 30–40 d; BH SS; SR; 20–30 d. *Aquascapes Unlimited*.

Sar1650 *Sarracenia purpurea* subsp. *purpurea*. COMMON PITCHER PLANT. Per. Sun/PtShade. 6–12 x 6–9". Summer. Zone 4–9.

1114-Deep red flowers. The Mid-Atlantic's only native pitcher plant. Cold hardy to zone 5, can be found growing in glacial bogs in North and Western PA and in the pine barrens of NJ, MD, and NY. Water with rainwater only, full sun, constant moisture. Germ: CMS: 30–40 d; BH; SS; 20–30 d. *Aquascapes Unlimited*.

Sar2010 *Saruma henryi*. UPRIGHT WILD GINGER. Per. PtShade/Shade. 12–18 x 15–18". May–June. Zone 4–8.

199-Yellow flowers. Charming shade plant with heart-shaped leaves. Flowers at least 2 months in spring, or longer in cool weather. Sows itself into interesting places without becoming weedy. *Cresson*.

Sca1000 *Scabiosa atropurpurea*. PINCUSHION FLOWER.

592-Scabious red purple blooms with pink anthers. Great bouquets, pincushion color contrast striking up close. Second sowing compensates for ranginess. Annual. Deer/woodchuck leave it alone. Germ: NST. *Malocsay*.

Sca1650 *Scabiosa lucida*. SCABIOUS. Per. Sun. 10 x 10"; to 12" in bloom. Late Spring.

118-Light blue, dense heads are surrounded by bristly, involucre bracts. Deep green, pinnatifid foliage forms a basal rosette. Perennial to 15". Self-sows. Well-drained soil. Sun. Germ: CMS: 42 d, BC. *Stonecrop Gardens*.

Sci1010 *Scilla autumnalis*. AUTUMN SCILLA. Bulb. Sun/PtShade. 2"; to 12" in bloom. Summer–Fall.

3321-Pink-purple blooms. Great late season color. *Perron*.

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 Aug–Sept. *Cresson*.

Sci2030 *Scilla scilloides* (short form). CHINESE SCILLA. Bulb. Sun/PtShade. 8". Summer.

199-Pinkish lavender. A short form of this variable and often misidentified species. Multiplies into clumps of 10" tall spikes, blooming in late August–September. Summer dormant. Very hardy. *Cresson*.

Scu2010 *Scutellaria diffusa*. SKULLCAP. An. Sun/PtShade. 6 x 10'. Summer.

199-Lavender-blue flowers. Attractive compact rock garden plant. Self-sows freely. Grayish foliage. Evenly moist to dry soil. *Cresson*.

Scu4010 *Scutellaria incana*. DOWNY SKULLCAP. Per. Sun/PtShade. 2–3 x 2'. Summer–Fall.

199-Light blue. Attractive gray-green foliage. The combination of light blue flowers and gray foliage is charming, particularly in dry moderate shade under white pine or beech, which it seems to prefer to my richer flower borders. *Cresson*.

1017-Blue blooms in July–August. Indispensable. Easily grown perennial with cool floral color. Sturdy and adaptable. *Whitesell*.

Scu4150 *Scutellaria integrifolia*. SKULLCAP. Per. Sun. 1 x 2'. Summer–Fall.

199-Purple-blue blooms. Eastern native, prolific flowers all summer. *Cresson*.

Sen0020 *Senecio aureus*. GOLDEN RAGWORT. Per. Sun/PtShade. 10½ x 24"; to 18" in bloom. Spring.

1277-Haas.

Sen1800 *Senna hebecarpa*. WILD SENNA. Per. Shade. 4–6 x 2½'. Summer.

199-Yellow flowers. Branched heads of yellow pea-shaped flowers. Self-sows in my meadow. Tropical appearance. Native. *Cresson*.

1143-Bright yellow blooms. Beautiful perennial attracts many pollinators. Attractive seeds pods in the fall. Germ: CMS 10 d, 90 d. *Berkshire Botanical Garden*.

Sen2010 *Senna marilandica* (syn. *Cassia marilandica*). WILD SENNA. Per. Sun/PtShade. 3–6 x 2–3'. Summer–Fall.

965-Yellow flowers. A native 4–6' tall, 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*.

Set1000 *Setaria italica*. ITALIAN MILLET. An. Sun/PtShade.

592-Pendent developing seed head needs support/context to look its best. Dry arrangement drama. Extras can be hung out for winter birds. *Malocsay*.

Sid0050 *Sida hermaphrodita*. GLADE OR VIRGINIA MAL-LOW. Per. PtShade. 6–10'. Summer.

543-Insignificant white flowers on tall plant (7–8') for the back of a semi-shaded border. Moist soil. Bright green, star-shaped leaves similar to *Liquidambar styraciflua*. Listed as endangered in several states. *Leasure*.

Sid1000 *Sidalcea species*. FALSE MALLOW. An./Per. Sun. 16–52". Summer.

1017-Pink blooms. Showy June–July flowers. Easy culture. *Whitesell*.

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*.

Silene armeria – *Sporobolus heterolepis*

- Sil0050** *Silene armeria*. (Continued.)
797-Hot pink blooms. Germ: SIS; NST. Self-sows. *Robinson*.
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*.
- 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*.
- Sil2700** *Silene virginica*. Per. Sun/PtShade. Spring.
269-A short-lived perennial, this handsome, 2'-tall native bears red flowers from late spring to early summer. Plants require well-drained soil and partial shade. My plants receive sun from morning until mid-afternoon and are at the top of a wall, which provides perfect drainage. Plants self sow. Germ: CMS, OW. 60 d. *Ellis*.
- Sil4260** *Silphium perfoliatum*. CUP PLANT. Per. Sun/PtShade. 8 x 4'. Summer–Fall.
543-Yellow flowers. Large, square-stemmed plant with yellow daisy-type flowers in summer. Native to the prairie. May seed aggressively. Germ: NST; BC; W; 2 wk. *Leasure*.
817-Big, bold, and gorgeous. Feeder of butterflies (its flowers) and 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*.
- 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*.
1017-Acid yellow, showy blooms on early flowering, short-lived biennial/perennial. *Whitesell*.
- 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*.
- Sol2010** *Solidago nemoralis*. Per. Sun. 30–36 x 18". Late Summer.
817-Clump-forming, non-spreading goldenrod. Nemoralis means "of woods," so I guess it's shade tolerant—but these were grown in full sun and were perfectly happy. In bloom it is a very typical goldenrod. *Ruhren*.
- Sol4300** *Solidago tenuifolia*. Per. Sun/PtShade. 6 x 2'. Summer–Fall.
199-Yellow flowers. Widely branched, open flower heads atop slender stems with narrow leaves. One of the few fragrant goldenrods. Rhizomatous but worth it. I cut back midsummer and pull extra stems. *Cresson*.
- Sop1050** *Sophora davidii*. Shrub. Sun. 8 x 10'. Spring–Early Summer.
45-Light indigo blue/white, pealike blooms in spring. Dark green pinnate foliage, shrub is 8 x 10'. Not well known. A bit of good blue in the spring. Germ: Scfy; 6 mo. A hard seed coat: pour water over seed and let that sit overnight (water will cool). Sow immediately. Sow under grit, maybe ¼–½". *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*.
269-White with pale blue blooms. Native to southwestern China, this is a spiny shrub that can reach 6–8' high and wide, although with pruning it can be kept smaller. Plants feature pinnate 4"-long, blue-green leaves and 6"-long clusters of small pealike flowers in late spring. They add attractive, lacy texture to shrub borders. Full sun, but tolerates part shade. Rich, well-drained soil. Established plants tolerate heat and drought. Germ: Scfy, Soak, W, BC. Scarify seeds then soak overnight before sowing. Plants should germinate in a couple of weeks. *Ellis*.
- Sor8600** *Sorghastrum nutans*. INDIAN GRASS. PerGrass. Sun.
2429-Tall warm season prairie grass. Germ: CMS, NST. *Bricker*.
- Sor9000** *Sorghum bicolor* var. *technicum*. SORGHUM. An. Sun. 78 x 24". Summer–Fall.
9976-Annual. A tall tropical grass. Can grow up to 8' topped-off with sprays of broom-like flower heads. *Wave Hill Gardeners*.
- Spi1250** *Spigelia marilandica*. INDIAN PINK. Per. Shade/PtShade. 1–2 x 1–2'. Spring–Summer. Zone 5–9.
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.
1277-White flowers on a perennial bog plant. Very late blooming. Heavenly fragrance. Needs acid, low nutrient, moist conditions. I sprinkled seeds in my container bog garden and have about a hundred of them growing. *Haas*.
- Spo1010** *Sporobolus heterolepis*. PRAIRIE DROPSEED. PerGrass. Sun. 2–4 x 2–3'. Late Summer–Fall. Zone 3–9.
2429-*Bricker*.

- Sta2010** *Stachys albotomentosa*. HILDAGO, 7-UP PLANT. TenPer. Sun. 1½ x 3'. Summer–Fall.
199–Salmon flowers. Woolly gray foliage. Not quite hardy, but worth the extra trouble. Easy from cuttings or division. Great summer pot plant or add to mixed border. Seedlings vary in depth of color. Originally collected near Hidalgo, in Eastern Mexico, by Yucca Do Nursery. *Cresson*.
- 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*.
- Sta3300** *Stachys officinalis*. BETONY. Per. Sun/PtShade. 12–18 x 12–18"; to 2' in bloom. Summer.
2937–A clump-forming perennial which sends up spikes of purplish-pink flowers in early summer. Always neat looking even when not in bloom. *Bittmann*.
- Sta3340** *Stachys officinalis* 'Hummelo'. PURPLE BETONY. Per. Sun/PtShade. 24–36 x 18–24". Summer. Zone 4–9.
2294–Pink-purple blooms. Low rosette of foliage, spikes of bottlebrush flowers. Sun. Nice plant. *Squitiere*.
- Sta8750** *Staphylea trifolia*. AMERICAN BLADDERNUT. Shrub. Sun/PtShade. 10–15 x 6–8'. Spring.
965–Cream blooms. A rarely seen, native large shrub or small tree. Clusters of small, blueberry-like flowers appear mid-late spring followed by the bladder-like seedpods. *Umphrey*.
- Ste0550** *Stewartia koreana*. Tree. Sun/PtShade. 20 x 15'. Summer. Zone 5–7.
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*.
- 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*.
- Sto2000** *Stokesia laevis*. STOKES ASTER. Per. Sun/PtShade. 6 x 8"; to 12–18" in bloom. Summer.
208A–1" purple blooms atop erect, 2' leafy stems, basal 6" narrow leaves, summer sun. Germ: NST. *Dahlke*.
208B–1" white blooms atop erect, 2' leafy stems, basal 6" narrow leaves, summer sun. Germ: NST. *Dahlke*.
1580–*Romenesko*.
- Sto2300** *Stokesia laevis* 'Klaus Jelitto'. STOKES ASTER. Per. Sun/PtShade. 6 x 8"; 18–20" in bloom. Summer.
199–I've grown this perennial for many years where it gets a half day of sun at best and it has been a reliable bloomer with mid-blue flowers. *Cresson*.
- Sty0500** *Stylophorum diphyllum*. CELANDINE POPPY. Per. PtShade/Shade. 1–1½ x ½–1'. Spring.
199–This is a superior form. Flowers and foliage have heavier substance and deeper color. *Cresson*.
2294–Yellow blooms. Native for shade. Seeds around. *Squitiere*.
- Sty4800** *Styrax americanus*. AMERICAN SNOWBELL. Shrub. Sun/PtShade. 10 x 10'. Spring.
45–White flowers in spring. This Southeast Coast native is a pleasant small tree or large shrub. Try growing it! Germ: Cycle; OW; 2 yr. Be patient. *Bartlett*.
- Sty4800** *Styrax americanus*. (Continued.)
1865–White, bell-shaped flowers in May on 6–10' shrub. Germ: R, OW 3 mo. *Bennett*.
- 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*.
- 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*.
- 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*.
- Sym0800** *Symphytotrichum praealtum* (syn. *Aster praealtum*). WILLOW ASTER. Per. Sun. 5–6'+. Fall.
1001–Pale violet-blue blooms, becoming purple. Per Ann Rhoads, *The Plants of Pennsylvania*, 'Rare in woods, fields, thickets and roadsides.' Rhizomatous. *Weisman*.
- Sym0900** *Symphytotrichum 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*.
- Sym2000** *Symphytum grandiflorum* 'Goldsmith'. COMFREY. Per. PtShade/Shade. 8–18 x 18–24". Late Winter/Spring.
208–Large, 12" decumbent leaves with yellow, rosette flowers tall above leaves. Striking. Germ: 15 d; NST. *Dahlke*.
- Syn1250** *Syneilesis aconitifolia*. SHREDDED UMBRELLA PLANT. Per. PtShade/Shade. 15"; to 2½' in bloom.
2137–Grown for its foliage more than the white flowers. Umbrellas of finely dissected leaves that are covered with a silvery fuzz as they emerge in spring. Will form nice clumps over time. Germ: W. 90 d. Sets very little viable seed. (Good seed is fat, substantial, and does not yield to pressure.) *Boylan*.
- Syn1500** *Syneilesis palmata*. Per. PtShade/Shade. 15". Summer.
208–White flowers. Closed umbrella-like new growth; opens as full umbrella. Inconspicuous flowers on 3' spikes. Interesting architecture. Germ: NST; 12 d. *Dahlke*.
1277–White small flowers. Emerging leaves look like ghosts shrouded in shaggy silver hairs. Fully emerged, they look like umbrellas. An intriguing plant. *Haas*.
- Tag1000** *Tagetes erecta* 'Cinnabar'. MARIGOLD. An. Sun. 3 x 2'. Summer.
1143–Red blooms with gold edges. Old fashion form, tall and bushy habit. Reaching to 3' with a 2' spread. Germ: WMS 21 d, BH, BC, 21 d. NST. *Berkshire Botanical Garden*.
- Tag2000** *Tagetes patula*. HARLEQUIN AND VILLANDRY MARIGOLDS. TenPer. Sun. 6–12 x 3–6". Summer–Fall.
5033–Yellow, some red orange (separated). Germ: NST. *Weidner*.

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*.

2294-Tiny magenta pink blooms. Seeds in politely. *Squitiere*.

Tal1260 *Talinum paniculatum* ‘Kingwood Gold’. GOLDEN JEWELS OF OPAR. An. Sun. 8–10"; to 12" in bloom. Summer–Fall.

1277-Pink flowers. Fantastic plant. Succulent golden foliage. Withstands drought. Self-sows nicely. *Haas*.

1607-*Jellinek*.

2294-Pink blossoms on wirey 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*.

2429-*Bricker*.

Tan1560 *Tanacetum niveum* ‘Jackpot’. SNOW DAISY, SILVER TANSY ‘JACKPOT’. Per. Sun. 24–36". MidSummer. Zone 4a–9b.

1999-White blooms. *Norfolk Botanical*.

Tan2250 *Tanacetum parthenium* ‘Aureum’. GOLDEN FEVERFEW. Per. Sun. 2 x 1'. Summer.

1607-White blooms with yellow center. Twelve inch mounds of ferny, aromatic, chartreuse-yellow foliage are topped with single white daisies in midsummer. *Jellinek*.

Tax1250 *Taxodium distichum*. BALD CYPRESS. Tree. Sun. 50–70 x 20–30'.

1277-Deciduous conifer to 120'; tolerates swampy ground. Mature dry cones should be broken apart. Separation of cone fragments from seed is difficult and both are often sown. Germ: CMS 90 d. Five minute ethyl alcohol soak prior to CMS. *Haas*.

3001-Deciduous conifer to 70'. Grows fastest in warmer climate, though hardy zones 5–9. Aquatic in southern states, can be grown as single specimen and drier soil in the North. Germ: CMS: 90 d, R. *Gregg*.

Tet1050 *Tetradium daniellii* (syn. *Evodia daniellii*, *E. hupehensis*). KOREAN EVODIA. Tree. Sun. 40 x 30'. Summer.

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*.

Tha0500 *Thalia dealbata*. Per. Sun. 6–10'.

3333-Purple flowers. *Whipple*.

Tha1500 *Thalictrum aquilegifolium*. MEADOW RUE. Per. PtShade. 3 x 1½'. Late Spring/Early Summer.

1277-Yellow-striped bloom with white stamens. *Haas*.

Tha1600 *Thalictrum chelidonii*. Per. PtShade. 1–2 x 2'; from 3–7' in bloom. Summer. Zone 5–9.

592-Lavender blooms. Lovely. I do support in bloom which, like *T. rochebrunianum*, keeps coming to summer's end. Needs support. *Malocsay*.

Tha1700 *Thalictrum dasycarpum*. MEADOW RUE. Per. Sun/PtShade. 3–5' x 3–4'. Early Summer. Zone 4–7.

2429-White flowers. A tall native, blooming in early summer. Purple stems support a cloud of bloom. Germ: CMS: 60 d, C, BC. *Bricker*.

Tha2550 *Thalictrum lucidum*. Per. Sun/PtShade. 3½ x 1½'; to 7' in bloom. Summer.

1277-Pale yellow flowers, elegant foliage. Tall. *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*.

Tha3470 *Thalictrum pubescens*. KING OF THE MEADOW. Per. Shade/PtShade. 3–7 x 2–3'.

1017-Greenish white flowers. Wonderful, tall, statuesque border plant, self-supporting, midsummer bloom. Indispensable. Native. Great foliage and flower. *Whitesell*.

Tha3650 *Thalictrum rochebrunianum*. LAVENDER MIST, MEADOW RUE. Per. Sun/PtShade. 1–2 x 2'; from 3–7' in bloom. Summer.

592-Lilac flowers. Towering yet dainty in foliage and flower. Give shade in really hot places. Self-sows where happy. Germ: NST. *Malocsay*.

1017-Purple flowers on wonderful, tall (6–7'), August-blooming perennial. *Whitesell*.

1320-*Solow*.

Tha4250 *Thalictrum uchiyamae*. MEADOW RUE. Per. Sun/PtShade. Summer.

199-Greenish white flowers. Very rare Korean species. Successfully weaves up through shrubs. A texture plant. *Cresson*.

The2050 *Thermopsis villosa* (syn. *T. caroliniana*). SOUTHERN LUPINE, CAROLINA LUPINE. Per. Sun/PtShade. 4–7 x 2–4'. Late Spring–Summer.

215-Yellow flowers. *DeMarco*.

1017-Yellow flowers in late May. Nice foliage. Plants are tall statuesque, strongly vertical and stand up well in flower without staking. Very sturdy ornamental. Relatively drought tolerant. *Whitesell*.

2294-Yellow pealike blooms. Nick seed. Perennial, early summer bloom. *Squitiere*.

2429-*Bricker*.

2621-Yellow flowers. Nice springtime ‘bush’. 3 x 4', full sun, dry to medium soil. Tap rooted. Germ: C, NST. *Nachlas*.

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*.

Tia2550 *Tiarella wherryi* ‘Silverado’. FOAMFLOWER. Per. PtShade. 8 x 15"; to 12" in bloom. Spring.

1277-White blooms with pink overtones. This is a non-stoloniferous tiarella, increasing slowly in clumps. Moisture retentive, highly organic soil, no wet feet. 6–12". Germ: CMS 90 d, R. *Haas*.

Til0100 *Tilia cordata* ‘Greenspire’. LITTLELEAF LINDEN. Tree. Sun/PtShade. 50–70 x 35–50'. Summer. Zone 3a–7a.

522-Pale yellow, June-blooming, fragrant drooping cymes—a bee magnet when in full bloom. Mature height 50–70 x 35–50'. *Kushner*.

- 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*.
797–Bright orange flowers. A very tall, showy annual. *Robinson*.
- 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*.
- Tra2000** *Trachelospermum asiaticum*. CONFEDERATE JASMINE. Vine. Sun/PtSun. Spring–Summer.
199–Subtropical evergreen twining vine with fragrant white flowers in spring/early summer. This form has smaller leaves, can rebloom in summer, and may even be hardy but is yet untested. *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 *Tragopogon dubius*. Germ: SIS. Self sows, but not a nuisance. *Malocsay*.
- Tri1300** *Tricyrtis dilatata*. TOAD LILY. Per. PtShade. 3 x 2'. Summer–Fall.
199–White, spotted purple flower. Although botanists no longer consider this as separate from *T. macropoda*, it is horticulturally distinct in leaf shape and blooms a month earlier in August. *Cresson*.
- Tri2000** *Tricyrtis formosana* ‘Sinonome’. TOAD LILY. Per. PtShade/Shade. 40". Fall
318–Flowers white with maroon spots. Branched, arched stems. October blooms that are more at terminals and more spreading, upright than *T. hirta*. *Garnett*.
- Tri3000** *Tricyrtis hirta*. TOAD LILY. Per. PtShade/Shade. 1½ x 1½'. Fall. Zone 4–8.
1277–White with purple-spotted flowers. Late blooming, 2'. *Haas*.
2294–Purple and white blooms on 2½' toad lily in late summer. Shady moist conditions. *Squitiere*.
- 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*.
- Tri3200** *Tricyrtis hirta* ‘White Towers’. TOAD LILY. Per. 24–30". Late Summer.
1277–White flowers. Perennial. Late-blooming shade plant, 2'. *Haas*.
- Tri3950** *Tricyrtis latifolia*. TOAD LILY. Per. PtShade. 3 x 1'. Early Summer.
199–Flowers greenish yellow outside with yellow spotted brown inside. *Cresson*.
318–Green-yellow flowers with brown spots. More upright than arching. Blooms in July. Self-sows. Germ: SS. *Garnett*.
- Tri4010** *Tricyrtis macropoda*. TOAD LILY. Per. PtShade/Shade. 3 x 3'. Summer–Fall.
199–White flowers with reddish spots. Masses of flowers in Sept. Parent plant of wild origin in Hubei, China. *Cresson*.
- 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*.
- Tri8010** *Triteleia laxa* ‘Queen Fabiola’ (syn. *Brodiaea laxa*). TRIPLET LILY, UTHURIELS’S SPEAR. Per. Sun. 1–2½'. Spring.
522–Gentian blue. These bulbs grow best on a sunny, dry bank. Long-lasting funnel-shaped flowers. Leafless stems. *Kushner*.
- Tro1400** *Trollius laxus*. AMERICAN GLOBEFLOWER. Per. Sun/PtShade. 18–24". Late Spring/Early Summer.
2515–Dainty yellow flowers floating above the foliage. Likes a moister soil. Germ: NST. *Doblmaier*.
- Twe1050** *Tweedia caerulea*. TenPer./An. Sun. Summer.
84–A sun lover with light blue flowers. Tender perennial. *Bowditch*.
1999–Blue blooms. *Norfolk Botanical*.
- Uvu0130** *Uvularia grandiflora*. BELLWORT. Per. PtShade. 18". Spring.
208–Pendant, bell-shaped, yellow flowers with lance-shaped, mid-green leaves. Germ: Fresh seed CMS, 90 d. *Dahlke*.
- Val0100** *Valeriana officinalis*. GARDEN HELIOTROPE, GARDEN VALERIAN. Per. Sun. 3–5' x 2–4'. Zone 4–7.
1277–Fragrant, pinkish white, midsummer 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: BH, BC, NST. Easy to grow. Can live many years. *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*.
- Ver0300** *Veratrum viride*. INDIAN POKE, FALSE HELLEBORE. Per. PtShade. 2–6'.
2429–Germ: CMS: 60 d, C, BC. *Bricker*.

Verbascum chaixii – *Zanthoxylum simulans*

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*.

Ver1120 *Verbascum chaixii* 'Album'. MULLEIN. Per. Sun. 3 x 12"; from 3–4' in bloom. Summer.

1580-White or yellow flowers on 3' tall spikes from May to June with late flowers if deadheaded. Prefers full sun and well-drained soil. If happy it will seed around. Dead-head after flowering if this is undesirable. Germ: W, BC. *Romenesko*.

Ver3100 *Verbena bonariensis*. PURPLE VERBENA, BRAZILIAN VERBENA. TenPer. Sun/PtShade. 4 x ½'. Summer–Fall. 318-Garnett.

2294-Purple blooms. Tall annual, seeds around, low foliage with flower spikes 4' tall. Wonderful butterfly plant. *Squitiere*.

2621–1 x 3', blue clusters wave in the breeze, June to Sept. Politely reseeds. Full sun. Butterflies love it. Possibly invasive in wetlands. Germ: NST. *Nachlas*.

2937-Bittmann.

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

1999-Norfolk Botanical.

Ver3700 *Verbena urticifolia*. WHITE VERVAIN. Per./Bien., PtSun, 3–5'.

3006-Good at woodland edge. Unpredictable growth habit, but when the delicate bloomstalks fan out, they look like fireworks preserved in action and are charming in bloom and thru late fall. Indigenous seed collected from 21013 zipcode. *Mayer*.

Ver4800 *Verbesina virginica*. FROSTWEED, WHITE CROWNBEARD. Bien./Per. Sun. 5–7' in bloom. Fall.

2403-Native. *Zeller*.

Ver5000 *Vernicia fordii* (syn. *Aleurites fordii*). TUNGOIL TREE. SmTree. Sun. 30–40'. Late Winter/Early Spring. Zone 8a–10a.

1999-White blooms. Germ: BH, Soak seeds overnight in hot water. *Norfolk Botanical*.

Ver5480 *Vernonia fasciculata*. IRONWEED. Per. Sun/PtShade. 3–6 x 2–3'. Midsummer.

199-Reddish purple flowers. Shorter, more compact, and earlier blooming (July) than other ironweeds. *Cresson*.

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*.

1999-Norfolk Botanical.

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

199-Violet flowers. Locally native species for large border. *Cresson*.

543-Purple/pink blossoms, native, 6'. Late summer, fall-blooming. Will tolerate wet feet. Germ: NST. *Leasure*.

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

9985-White flowers. Germ: W, D. *Jenkins Arboretum*.

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*.

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*.

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

1277-White blooms on 5' shrub. *Haas*.

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*.

Vib2900 *Viburnum trilobum*. AMERICAN CRANBERRY-BUSH VIBURNUM. Shrub. 10 x 10'.

1277-White blooms. Forms a rounded, multi-stem shrub. Laccap. Red fruits can be used for making jams and jellies. Germ: Seed needs WMS 4 mo, CMS 3 mo. *Haas*.

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

45-Purple blooms in midsummer on a large shrub. More common in South. Pointed heads of flowers in July–August. Full sun. To 12' tall. Germ: BC, NST. Do not overwater seedlings. *Bartlett*.

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

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

Xan1050 *Xanthorhiza simplicissima*. YELLOW ROOT. Shrub. 2'. Sun/PtShade. Spring.

2294-Purplish brown blooms. Native ground cover. *Squitiere*.

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*.

- Zea1150** *Zea mays* ‘Field of Dreams’. An. Sun. 5–6’ x 12–18”. Summer.
- 522-Corn with slight pink/white variegation (could selection improve it?) Kernels ripen maroon. Corn for those without corn-room. *Malocsay*.
- Zep0200** *Zephyranthes* ‘Ajax’. AJAX RAIN LILY. PerBulb. Sun. 8”. Summer. Zone 7b–10b.
- 522-Upfacing, straw-yellow/buttery yellow blooms turning cream. Lovely late bloomer. Cross between *Zephyranthes candida* and *Zephyranthes citrina* round leaves. Source: Plant Delights Nursery. *Kushner*.
- Zep0500** *Zephyranthes* ‘Apricot Queen’. RAIN LILY. Bulb. Sun/PtShade. 6–12 x 3–6”. Late Summer–Fall. Zone 8a–11.
- 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*.
- Zep2100** *Zephyranthes drummondii*. RAIN LILY. TenBulb. Sun. 6 x 4”; to 10” in bloom. Summer.
- 522-San Carlos form. Fragrant, large, pure white flowers. Early bloomer. Source: Yucca Do Nursery. I grow mine in containers. *Kushner*.
- 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*.
- Zep2850** *Zephyranthes jonesii* (syn. *Cooperia jonesii*). JONES’ RAIN LILY. PerBulb. Sun/PtShade. 6–12 x 3–6”. Summer–Early Fall.
- 522-One of the prettiest, creamy yellow, lemon yellow blooming rain lily. Fragrant, with upfacing, tubular flowers. Glossy green foliage. Native of Texas. Source: Lazy S Farm Nursery. *Kushner*.
- Zep2870** *Zephyranthes* ‘Krakatau’. KRAKATAU RAIN LILY. Bulb. Sun/PtShade. 6–12 x 6–9”. Zone 7b–10b.
- 522-Floriferous, bright reddish-orange blooms fade on second day to peachy color. 10” tall spikes with 2” up flowers. Another superb Fadjar Marta introduction. Source: Plant Delights. *Kushner*.
- Zep2890** *Zephyranthes* La Bufa Rosa Group (syn. *Z. ‘Labuffarosea’*). GIANT PRAIRIE RAIN LILY. TenBulb. Sun/PtShade. 6–10 x 4–6”; from 7–12” in bloom. Summer. Zone 7–10.
- 199-White/pink blooms. Discovered in 1990 in Tamaulipas, Mexico by Yucca Do Nursery. Flowers vary from white through shades of pink, repeat blooms all summer. Like most rain lilies, best grown in pots in our climate and overwintered dry indoors. *Cresson*.
- Zep2890** *Zephyranthes* La Bufa Rosa Group. (Continued.)
- 522-Fragrant, pink to white with pink blush, large blooms. Short glossy leaves. Pot plants. Source: Yucca Do Nursery. *Kushner*.
- Zep2900** *Zephyranthes* La Bufa Rose Group ‘Apertif’ (syn. *Z. ‘Labuffarosea’*). GIANT PRAIRIE RAIN LILY. TenBulb. Sun/PtShade. 6–10 x 4–6”. Summer–Fall. Zone 7–10.
- 522A-Light pink, nearly white blooms. A Yucca Do discovery in Mexico. Lovely pot plant. Short green glossy leaves. Prolific bloomer. *Kushner*.
- Zep2950** *Zephyranthes* La Bufa Rose Group ‘Heart Throb’. GIANT PRAIRIE RAIN LILY. TenBulb. Sun/PtShade. 6–10 x 4–6”. Summer–Fall. Zone 7–10.
- 522-Deep pink blooms with white eye, fading a bit. A show stopper. 2” flowers on 6” stems. Pot plant. Source: Plant Delights. *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*.
- 522-Deep pink blooms, similar to *Zephyranthes grandiflora*, but a bit smaller. Native to Mexico. 2–3”, but 14” in flower. Source: HPS *Kushner*.
- Zep4500** *Zephyranthes* species. RAIN LILY. TenBulb. Sun. 6 x 6”. Late Summer–Fall.
- 507-*Zephyranthes* mix. *Kolo*.
- 522-Lovely peach/pink blooms. An unknown zephyranthes. *Kushner*.
- Zep4600** *Zephyranthes* Sunset Strain. RAIN LILY. TenBulb. 10”. Summer–Fall. Repeat Bloomer.
- 522-Prolific, pale apricot blooms. Blooms more often than other varieties. Source: Yucca Do. *Kushner*.
- Zep4700** *Zephyranthes traubii*. RAIN LILY. TenBulb. Sun.
- 522-San Carlos form. White-pink, dainty star-shaped blooms on narrower, grass-like foliage. Pot plant. Fragrant. *Kushner*.
- Zin1450** *Zinnia elegans* ‘Lilliput Mix’. An. Sun. 18–24”. Summer.
- 2294-Annual mixed blooms. Open-pollinated seeds will be true, 2–3’ high plants. *Squittiere*.
- Zin1700** *Zinnia haageana* ‘Persian Carpet’. An. Sun. 12–16”.
- 965-Variable yellow gold, maroon, and red with white blooms. Pictures do not do justice to the cuteness of this flower. Blooms of the plants from which this seed was collected were a mere 1” across but fully double with beautiful, intricate designs. Plants are about 3’ tall, so they would be best in cottage gardens or mixed in the veggie garden for cut flowers. Donated by Half Acre Flower Farm. *Umphrey*.

Zinnia zahara – *Zizia aurea*

Zin2600 *Zinnia zahara*. ZINNIA. An. Sun. 12–18 x 12–18". Summer.

2621-Bright orange flowers. Nonstop cheerful blooms on spreading 18 x 24" plant. Deadheading extends blooming through late summer. Germ: W. *Nachlas*.

Ziz2040 *Zizia aptera*. HEARTLEAF ALEXANDER. Per. Sun/PtShade/Shade. Late Spring.

2429-Yellow flowers in flat-topped umbels over evergreen leaves. Germ: CMS: 90 d. *Bricker*.

Ziz2150 *Zizia aurea*. GOLDEN ALEXANDERS. Per. Sun. 2–2½'. Spring–Early Summer.

2294-Yellow, early spring blooms. Native perennial, can be short lived but will re-seed. *Squitiere*.

HPS/MAG Seed Exchange Order Form

Online: www.hardyplant.org
 By mail: Mary Ann Thomas
 8600 Elliston Drive
 Wyndmoor, PA 19038
 ma.weeder@gmail.com
 215-233-3071

Shipping:

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

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 (it is now very easy to use) and mail in a check. If you prefer, you can still fill in this form manually and mail it with your payment. All checks should be made payable to HPS/MAG, and sent to Mary Ann Thomas, 8600 Elliston Drive, Wyndmoor, PA, 19038. Payment required is \$20.00 if posted online or postmarked by the deadline, January 17, 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 dead-

line will be filled as the supply of seed permits. Orders placed after January 17 must include a payment for \$25.00 to cover a late order surcharge of \$5.00. Late orders submitted without the surcharge will be returned. Orders posted or postmarked after January 27 will not be filled and the check will be returned.

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

Seed orders will be filled in the order received; requests from donors and volunteers will be honored first. Supplies of some seed are very limited, so read through the list, make your choices, and complete your order today.

First Choices List: Identify in alphanumeric order. <i>Please print neatly!</i>				Donor/Volunteer Bonus Seeds: Continue listing in alphanumeric order <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.

