

2010 AHS SEED EXCHANGE CATALOG

The following seeds were donated by AHS members, organizations, and seed companies from all over the country. The description supplied for each plant combines published information about the species with details supplied by the donors. Remember, named cultivars do not always come true from seed, so you may observe some variation among seedlings. Unless otherwise stated, plants grown from these seeds will grow best in full sun and well-aerated, moderately fertile soil.

Conditioning cycles (also known as stratification) should be two months unless otherwise stated. Warm conditioning, where recommended, should be done at about 70 degrees Fahrenheit; cold conditioning at 40 degrees. A "warm soil" is one that has reached a temperature of at least 70 degrees. U.S. Department of Agriculture (USDA) Plant-Hardiness and AHS Plant Heat Zone ratings tend to be conservative; plants may grow outside the ranges indicated. A USDA zone rating of 0-0 means that the plant is a true annual; it completes its life cycle and dies in a year or less. Germination times will vary depending on the temperature at which seeds are sown and the age of the seeds. Where exposing seeds to a conditioning cycle is recommended, the germination time given is after completion of the conditioning period.

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ANNUALS

1 *Abelmoschus manibot* (syn. *Hibiscus manibot*). Musk mallow. Height: 4–6 feet. Bushy perennial usually grown as an annual. Bears large, pale yellow flowers with maroon bases singly or in terminal racemes, blooming from midsummer to fall. Large, deeply lobed leaves grow from stiff, hairy stems. Sow indoors in early spring or outdoors after danger of frost. Germinates in 10–12 days. Southeastern Asia. USDA Hardiness Zones 11–11, AHS Heat Zones 12–1.

2 *Amaranthus caudatus*. Love-lies-bleeding, tassel flower. Height: 3–5 feet. Bushy erect annual or short-lived perennial with tassel-like, pendent panicles of red flowers in summer. Tolerates poor soil. Sow seeds in mid-spring in warm soil, barely covered. Germinates in 7–14 days. Africa, India, Peru. Zones 10–11, 12–1.

3 *Amaranthus caudatus* 'Dreadlocks'. Love-lies-bleeding, tassel flower cultivar. Height: 4 feet. Weeping blooms resemble hot pink dreadlocks. See entry above for additional information.

4 *Amaranthus cruentus* 'Intense Purple'. Purple amaranth cultivar. Height: 4–6 feet. Upright branching plant with purple-red stems, deep burgundy foliage veined in red, and showy purple tassels in summer and early fall. Sow outdoors after last frost, or indoors 3–4 weeks before transplanting outside after last frost. Germinates in 10–15 days. Tropical Americas. Zones 0–0, 12–1.

5 *Asclepias curassavica*. Bloodflower. Height: 3 feet. This annual or short-lived tender perennial has a shrubby habit with straight stems clad in narrow, opposing leaves. It bears terminal clusters of orange-red to yellow flowers with yellow centers from summer to fall. A food source for butterfly larvae. Self sows in subtropical areas. Sow seeds outdoors after last frost date. Germinates in 14–21 days. **Caution: Milky sap may cause skin irritation.** South America. Zones 9–11, 12–3.

6 *Asclepias physocarpa* (syn. *Gomphocarpus physocarpus*). Swan plant. Height: 6 feet. Erect, deciduous sub-shrub that spreads up to 2 feet. Often grown as an annual where not hardy. Gray green, 4-inch-long leaves are narrowly lance-shaped. Cream-colored to greenish white summer flowers are followed by spherical, inflated, softly spiny, pale green fruits. Sow seeds outdoors after danger of frost. Germinates in 3–4 weeks. **Caution: Milky sap may irritate eyes or skin.** South Africa. Zones 11, 10–2.

7 *Calendula officinalis*. Pot marigold mix. Height: 1–2 feet. Fast growing, erect, cool-season annual that has thick, oblong, slightly aromatic leaves and solitary, daisylike flowers in orange or yellow. Blooms prolifically from May to September where summers are not too hot. Tolerates part shade and poor soils. Sow seeds outdoors in early spring, or in autumn in regions with mild winters. Germinates in 5–14 days. Mediterranean. Zones 0–0, 7–1.



Early-bird & Donor Rewards

For more than 50 years, AHS members have been sharing seeds through our annual seed exchange program. This year, the first 300 members to submit their orders will receive 'Brandywine Sudduth's Strain' heirloom tomato seeds donated by Tomato Growers Supply Company. This strain of 'Brandywine' produces 1- to 2-pound pink beefsteak fruit with a superior smooth, sweet taste.

Those who donate \$25 or more to support the seed exchange program will receive a complimentary pair of OXO Good Grips® Garden Scissors.

TO ORDER SEEDS

You may place your order online at www.ahs.org. You may also download a printable order form to mail.

The deadline for ordering seeds is March 15, 2010. Members who donated to the 2010 seed exchange have first choice of seeds, but we must receive these orders post-marked by February 1, 2010.

- 8 *Celosia argentea* var. *cristata*.** Cockscomb. Height: 3–4 feet. This upright, branching plant has large, feathery, red flowers growing above lance-shaped foliage. Performs best in a sheltered site in full sun. Self sows. Germinates in 6–14 days. Pantropical. Zones 0–0, 9–2.
- 9 *Celosia argentea* var. *cristata* ‘Glowing Spears’.** Cockscomb cultivar. Height: 2–2½ feet. Sports feathery plumes of a deep wine color all summer long. See entry above for additional information.
- 10 *Celosia* ‘Cramer’s Amazon’.** Cockscomb cultivar. Height: 3–4 feet. This upright, branching plant has narrow, feathery spikes of pinkish purple flowers growing above burgundy and green foliage. Hybrid origin. Zones 0–0, 9–2. See entry 8 for additional information.
- 11 *Centratherum intermedium* (syn. *C. punctatum*).** Brazilian button flower, lark daisy. Height: 1½–2 feet. A bushy tender perennial that has lavender-blue flowers similar to bachelor’s buttons that bloom from late summer through frost. The stippled, oval to linear foliage smells like pineapple and can be used in potpourri. Self sows. Sow seeds indoors in early spring or outdoors after last frost date. Germinates in 14–21 days. Brazil. Zones 9–11, 12–8.
- 12 *Ceratotheca triloba*.** African foxglove. Height: 4–5 feet. This annual has pale lavender flowers resembling those of foxgloves. Blooms summer to frost. Tolerates part shade and is very drought tolerant. Fuzzy, aromatic leaves are deer resistant. Sow indoors 6–8 weeks before the last frost date or outdoors after danger of frost. Barely cover the seeds. Germinates in 8–14 days. **Caution: All parts of the plant are poisonous.** Southern Africa. Zones 11, 12–1.
- 13 *Cleome hassleriana*.** Cleome, spider flower mix. Height: 4–6 feet. A multibranched plant up to two feet wide with palmately compound leaves. Pink and white flowers bloom from summer to frost. Sow seeds outdoors after last frost date in light, preferably sandy soil in full to part sun. Self sows. Germinates in 7–14 days. South America. Zones 11, 12–1.
- 14 *Cleome hassleriana*.** Cleome, spider flower. Height: 4–6 feet. White flowers. See entry above for additional information.
- 15 *Cleome hassleriana* ‘Purple Queen’.** Cleome, spider flower cultivar. Height: 4–6 feet. Numerous pale pink to purple flowers with long stamens appear from summer to frost. See entry 13 for additional information.
- 16 *Consolida ajacis* (syn. *C. ambigua*).** Larkspur, mixed colors. Height: 2–3 feet. This annual has dense clusters of flowers that bloom in early summer along upright stems above fernlike leaves. This mix blooms in purple, pink, and white. Grow in sunny, moist, cool conditions; site should receive afternoon shade in warm regions. Sow seeds indoors 6–8 weeks prior to last frost or outdoors: from USDA Zone 7 and south in fall, north of Zone 7 in spring. Germinates in 7–21 days. Mediterranean. Zones 0–0, 9–1.
- 17 *Cosmos* sp.** Cosmos. Height: 3–6 feet. Upright, freely branching annual with orange/yellow flowers in summer. This plant tolerates dry, porous soils. Early pinching produces fuller, stronger plants. Deadhead to prolong flowering. Sow seeds outdoors in spring once soil has warmed. Self sows. Germinates in 5–10 days. Southern U.S. and Central America. Zones 0–0, 12–1.
- 18 *Cosmos bipinnatus* ‘Cutesy Mix’.** Cosmos cultivar. Height: 2½–3 feet. A compact, bushy, and sturdy selection with an attractive mixture of pink, white, and rose blooms. See entry above for additional information.
- 19 *Datura metel* ‘Ballerina Purple’.** Angel’s trumpet cultivar. Height: 3–4 feet. An upright, tender perennial grown as an annual. It bears large, dark green leaves and intensely fragrant, 6- to 8-inch-long, trumpet-shaped, double flowers that are whorled with purple and white and open in early evening, from midsummer to frost. Soak seed in warm water for 24 hours before sowing indoors 6–8 weeks before last frost. Germinates in 2–4 weeks. **Caution: All parts of plant are poisonous.** India, China. Zones 10–11, 12–4.
- 20 *Datura metel* ‘Double Purple’.** Angel’s trumpet cultivar. Height: 3–5 feet. Nice candelabra-like branching pattern with dark purple stems and showy double purple flowers. See entry above for additional information.
- 21 *Datura* sp.** Angel’s trumpet cultivar. Height: 3 feet. Compact variety with white flowers. See entry 19 for additional information.
- 22 *Emilia coccinea* (syn. *E. flammula*, *E. javanica*, *Cacalia sagittata*).** Tassel flower. Height: 1½–2 feet. This annual develops a clump of oblong leaves from which erect stems develop throughout summer, topped with 1-inch clusters of flame red flowers. Tolerates hot, dry locations. Sow seeds indoors 6–8 weeks prior to last frost or outdoors after soil warms. Germinates in 1–2 weeks. Tropical Africa. Zones 0–0, 12–8.
- 23 *Eschscholzia californica*.** California poppy mix. Height: ½–1 foot. Annual or short-lived perennial with finely divided, blue-green foliage and poppylike flowers. This mix features red, orange, yellow, and ivory flowers that bloom in spring and again during the cool weather of fall and winter. Flowers fully open in the sun, and will close during cloudy days. Grows best in free-draining sandy or loamy soil and is drought tolerant. Sow seeds indoors in peat pots in late winter or outdoors after last frost date. Self sows. Germinates in 10–15 days. Oregon to coastal California. Zones 7–9, 12–1.
- 24 *Gaillardia pulchella*.** Blanket flower. Height: 1½ feet. Bushy plant with coarsely toothed and hairy leaves. Orange and yellow daisylike flowers bloom in summer and fall. Drought tolerant. Sow seeds indoors 8–10 weeks prior to last frost or outdoors once soil warms. Germinates in 7–14 days. Central and southern U.S., Mexico. Zones 10–11, 12–1.
- 25 *Helianthus annuus*.** Common sunflower. Height: 5–6 feet. Fast-growing plant with dark green, heart-shaped, coarse leaves on thick hairy stems. Large daisylike flowers have yellow petals around dark central cone. Heat tolerant. Sow outdoors in early spring. Germinates in 10–14 days. Southwestern U.S. and Mexico. Zones 0–0, 12–1.
- 26 *Helianthus annuus* ‘Moulin Rouge’.** Common sunflower cultivar. Height: 6–8 feet. Fast-growing plant with dark green, heart-shaped, coarse leaves on thick hairy stems. This selection has dark burgundy-red flowers with black centers. Pollenless and excellent for cut flowers. Heat tolerant. Sow outdoors in early spring. Southwestern U.S. and Mexico. Germinates in 10–14 days. Zones 0–0, 12–1.
- 27 *Impatiens walleriana*.** Busy Lizzy, impatiens. Height: 1–2 feet. Mounding to upright tender perennial, grown as an annual, with a wide range of flower colors, including pastels, white, pink, orange, and violet. Blooms from midsummer to frost. Sow seeds indoors in spring or outdoors when soil warms up. Self sows. Germinates in 7–14 days. Eastern Africa. Zones 10–11, 12–1.
- 28 *Lavatera trimestris* ‘Dwarf White Cherub’.** Annual mallow cultivar. Height: 1–2½ feet. Fast-growing, upright annual with shallowly lobed, mid to dark green leaves with heart-shaped bases. Four-inch-wide, hibiscuslike, white flowers bloom in summer. Good for cut flowers. Sow seed outdoors in late spring. Germinates in 15–20 days. Mediterranean. Zones 0–0, 12–1.
- 29 *Melampodium divaricatum* (syn. *Melampodium paludosum*) ‘Derby’.** Medallion flower cultivar. Height: 2 feet. Tough, low-growing annual makes a great groundcover. Hairy bright green leaves provide a backdrop to small daisylike yellow flowers that bloom all summer. Tolerant of drought and poor soils. Sow seed indoors in late winter or outdoors after danger of frost. Self sows. Germinates in 2–4 weeks. Subtropical Americas. Zones 0–0, 12–1.
- 30 *Mirabilis jalapa*.** Four o’clock, marvel of Peru mix. Height: 2–3 feet. Fast-growing, bushy, tender perennial that is usually grown as an annual north of USDA Zone 8. Its fragrant, tubular flowers open at dusk or on cloudy days. This mix blooms in yellow, white, and pink. Tolerates part

shade, especially in warm regions. Sow seeds indoors in early spring, or outdoors once soil has warmed. Self sows. Germinates in 7–14 days. Tropical Americas. Zones 8–II, 12–I.

31 *Mirabilis jalapa*. Four o'clock, marvel of Peru. Height: 2–3 feet. Pink flowers. See entry above for additional information.

32 *Mirabilis jalapa* 'Broken Colors'. Four o'clock, marvel of Peru mix. Height: 2–3 feet. No two blooms are alike with a mix of different colored petals, striping, and speckling. See entry 30 for additional information.

33 *Nicotiana glauca* (syn. *N. affinis*). Flowering tobacco, jasmine tobacco. Height: 3–4 feet. Erect, sparsely branched, short-lived perennial grown as an annual. Pubescent leaves and stems are sticky to the touch. White tubular flowers bloom on short racemes from early summer to fall. Flowers release light fragrance at dusk. Sow indoors 6–8 weeks before last frost date or outdoors after last frost. Self sows. Germinates in 7–14 days. Brazil and Argentina. Zones 10–II, 12–I.

34 *Nigella damascena*. Love-in-a-mist. Height: 1–3 feet. Annual with starlike flowers that open white with sky-blue edges and deepen to a rich indigo-violet over time, nestled in fine, needlelike leaves. Inch-long egg-shaped seed capsules add interest in fall and in dried arrangements. Flowers for 4–6 weeks in mid to late summer. Self sows. Sow seeds outdoors after last frost date. Germinates in 7–14 days. Southern Europe, northern Africa. Zones 0–0, 12–I.

35 *Nigella damascena*. Love-in-a-mist variety. Height: 1–1½ feet. Mostly blue flowers with white-or pink-blooming plants mixed in. See entry above for additional information.

36 *Papaver sp.* Poppy. Height: 3 feet. This cultivar produces double black flowers. Flowers are followed by large, gray-brown seedpods that are good for dried arrangements. Tolerates part shade. Sow seeds, uncovered, in early spring, just before last frost date. Germinates in 7–14 days. **Caution: All parts of plant are poisonous.** Eurasia. Zones 3–8, 8–I.

37 *Papaver somniferum*. Breadseed poppy. Height: 3–4 feet. Short-lived perennial, commonly grown as an annual, with gray-green, serrated leaves. This mix has mostly double red, lavender, and pink flowers. See entry above for additional information.

38 *Papaver somniferum*. Breadseed poppy. Height: 3–4 feet. This selection has pale purple flowers similar to 'Lauren's Grape' (see entry 41) but lighter in color. See entry 36 for additional information.

39 *Papaver somniferum*. Breadseed poppy. Height: 3–4 feet. This selection has mauve flow-

ers. See entry 36 for additional information.

40 *Papaver somniferum*. Breadseed poppy. Height: 2–2½ feet. These poppy flowers look like pink ruffled pompons due to their highly double and deeply lobed petals. See entry 36 for additional information.

41 *Papaver somniferum* 'Lauren's Grape'. Breadseed poppy. Height: 3–4 feet. This cultivar produces dark purple single flowers. See entry 36 for additional information.

42 *Ricinus communis*. Castor bean. Height: 8–10 feet. A large shrub or tree in its tropical habitat, this plant is usually grown as an annual in North America. It has an erect, branching habit, with large, multi-lobed, green to reddish leaves. Small clusters of red flowers bloom in leaf axils in mid- to late summer, followed by formation of globular, prickly red seedpods. Soak seeds in water for 24 hours before sowing outdoors in late spring once soil warms. Has exhibited invasive tendencies in California, Texas, and Florida. Germinates in 10–21 days. **Caution: All parts of the plant are highly poisonous, particularly the beanlike seeds.** Northeastern Africa to western Asia. Zones 10–II, 12–I.

43 *Ricinus communis*. Castor bean variety. Height: 4–5 feet. Variety of castor bean distinguished by bright red seed pods. See entry above for additional information.

44 *Rudbeckia sp.* (believed to be *R. hirta*). Black-eyed Susan, gloriosa daisy. Height: 1½–3 feet. Usually grown as an annual, this erect biennial or short-lived perennial has a rounded habit with deep green hairy stems and foliage. Its daisy-like yellow to orange flowers with dark brown central cones bloom from summer to fall. Heat and drought tolerant. Self sows. Sow seeds, barely covered, outdoors after soil warms in spring. Germinates in 7–21 days. Central U.S. Zones 3–8, 8–I.

45 *Rudbeckia hirta* 'Irish Eyes' (syn. with 'Green Eyes'). Black-eyed Susan, gloriosa daisy cultivar. Height: 2–2½ feet. Has a green disk flower in the center of the bright yellow ray florets. For additional information, see entry above.

46 *Salvia splendens* 'Red Arrows'. Scarlet sage cultivar. Height: 1–2 foot. Usually grown as an annual, this tender perennial has tubular, vivid red flowers blooming from summer to autumn. Deadhead to prolong bloom. Drought tolerant. Sow seeds, barely covered, indoors in early spring at 70 degrees. Germinates in 10–14 days. Brazil. Zones 11, 12–I.

47 *Tagetes patula*. French marigold. Height: 1–2 feet. Standard orange and yellow mix. Heat and drought tolerant. Sow seeds indoors 4–6 weeks prior to last frost date or outdoors in late spring. Germinates in 7–14 days. Mexico and Central America. Zones 0–0, 12–I.

48 *Tagetes patula*. French marigold. Height: 1 foot. Low growing with yellow and mahogany flowers. See entry above for additional information.

49 *Tagetes patula* 'La Bamba'. French marigold cultivar. Height: 2½ feet. A new tall marigold with single yellow blossoms and a soft orange striping. See entry 47 for additional information.

50 *Tagetes patula* 'Mr. Majestic'. French marigold cultivar. Height: 1 foot. A Scottish heirloom variety with masses of striking mahogany-on-gold striped flowers. See entry 47 for additional information.

51 *Tagetes* 'Summer Splash'. French and African marigold cross. Height: 1½ feet. This selection is more heat and rain tolerant than other marigolds. A long-blooming variety with vigorous branching covered in sunny yellow flowers. See entry 47 for additional information.

52 *Tropaeolum majus* 'Creamsicle'. Nasturtium cultivar. Height: 1 foot. Rambling, vinelike plant with rounded, bright green leaves and flowers reminiscent of orange sherbet swirled with French vanilla ice cream with a deep crimson throat. Blooms from summer to autumn. Flowers best in poor soil. Useful in containers or front of border. The young leaves, flowers, and unripe fruits are edible. Tolerates light or dappled shade. Sow seeds outdoors in midspring. Germinates in 7–14 days. Central and South America. Zones 11, 12–I.

53 *Zea mays* 'Variegata'. Striped maize, ornamental corn cultivar. Height: 4–6 feet. Broad, dark green leaves with thick striping of cream. Good for back of beds and borders and makes a fancy corn shock for fall decorations. Corn not recommended for consumption. Sow outdoors once soil has warmed. Temperate North America. Zones 0–0, 12–I.

54 *Zinnia sp.* Zinnia mix. Height: 1½–3 feet. Mixed colors. Erect plant with hairy, linear to lance-shaped leaves. Daisylike flower heads bloom in summer to fall. Deadhead to prolong flowering. Good cut flower. Grows best in full sun. Sow seeds outdoors once soil is warm. Germinates in 5–24 days. Garden origin. Zones 0–0, 12–I.

55 *Zinnia hybrida* 'Profusion Cherry'. Hybrid zinnia cultivar. Height: 12–15 inches. Award winning, compact cultivar with red ray flowers that is disease and weather resistant. See entry above for additional information.

56 *Zinnia pauciflora*. Small-flowered zinnia. Height: 3–4 feet. A historic variety of zinnia that was grown in 18th-century gardens before the zinnia found popularity late in the 19th century. The plant has small, attractive red flowers in summer. Plant seeds outdoors after last frost. South America. Zones 0–0, 12–I.

HERBACEOUS PERENNIALS, BIENNIALS, & GRASSES

57 *Achillea millefolium*. Common yarrow mix. Height: 2 feet. Flat heads of white, yellow, or violet-red flowers bloom in summer above feathery, aromatic leaves. Will rebloom if deadheaded. Prefers poor soil. Sow shallowly outdoors in spring after soil has warmed. Europe, naturalized widely in temperate regions. Zones 3–9, 9–1.

58 *Actaea racemosa* (syn. *Cimicifuga racemosa*). Black cohosh. Height: 4–7 feet. This clump-forming perennial has dark green compound basal leaves composed of 3 deeply serrated, 3-part leaflets. In mid-summer, creamy white flowers are borne on wandlike racemes that extend above the foliage. Part shade and moist, loamy, acid soil. Warm condition, then cold condition seeds. Germination can be erratic and take up to a year. Eastern and central North America. Zones 3–8, 9–1.

59 *Agapanthus cultivar*. African lily cultivar. Height: 3 feet. Clump-forming bulbous perennial has strap-shaped leaves that are evergreen in warm climates. Blue trumpet-shaped flowers bloom above the foliage in rounded umbels in late summer. Sow seeds indoors, barely covered, at 70 degrees in early winter. Germinates in 1–4 months. Southern Africa. Zones 8–11, 12–1.

60 *Agastache foeniculum* (syn. *A. anethiodora*). Anise hyssop. Height: 3–5 feet. Erect, clumping plant bears spikes of tubular pinky blue and white flowers in late summer to fall. Its anise scented leaves are green above and downy white below. Tolerates part shade and handles dry to moist soils. The leaves can be used in teas and the flowers are edible. Attracts hummingbirds and butterflies. Cold condition seeds, uncovered, or sow outdoors in fall. Germinates in 21–60 days. Canada and northern U.S. Zones 4–11, 12–5.

61 *Alcea rosea*. Common hollyhock. Height: 5–6 feet. A vigorous, upright biennial or short-lived perennial. Leaves are shallowly lobed, alternate. This mix produces single white, pale yellow, and dark maroon flowers. Deadhead to encourage rebloom. May require staking. Self sows. Sow seeds indoors two weeks before last frost date or outdoors in midspring; barely cover seeds. Germinates in 1–2 weeks. Mediterranean. Zones 3–9, 10–3.

62 *Alcea rosea*. Common hollyhock mix. Height: 6–8 feet. Pink to red blooms. For additional information, see entry above.

63 *Alcea rosea* ‘Antwerp Mix’. Common hollyhock mix. Height: 4–6 feet. A mix of pastel colors. See entry 61 for additional information.

64 *Alcea rosea* ‘Nigra’. Common hollyhock cultivar. Height: 6 feet. This cultivar has single, deep chocolate-maroon flowers with a yellow throat. See entry 61 for additional information.

65 *Amsonia tabernaemontana*. Willow bluestar. Height: 2–3 feet. A clump-forming plant with terminal clusters of star-shaped, steel-blue flowers that bloom from late spring to midsummer. It has narrow, gently tapering, dark green foliage that turns yellow in fall. Cold condition seeds. Germinates in 30–45 days. Southeastern U.S. Zones 3–9, 9–1.

66 *Aquilegia* sp. Columbine species. Height: 1–3 feet. Clump-forming perennial producing delicate, fernlike, blue-green compound leaves. Large blue flowers with spreading sepals and short, hooked spurs bloom in late spring to early summer. Grows best in part shade and rich, evenly moist soil. Cold condition seeds before germinating at 70 degrees or sow outdoors in fall; do not cover seeds. Germinates in 7–30 days. Origin unknown. Zones 3–9, 9–4.

67 *Aquilegia* sp. Columbine. Height: 10 inches. Dwarf variety with pink flowers. See entry above for additional information.

68 *Aquilegia oxysepala*. Columbine. Height: 3–4 feet. Clusters of nodding flowers that have large, burgundy sepals and golden petals bloom in mid spring to early summer. Sometimes reblooms in fall. North Korea, Japan, and northeastern China. Zones 4–8, 8–3. See entry 66 for additional information.

69 *Aquilegia vulgaris* ‘Adelaide Addison’. Columbine cultivar. Height: 1½–2 feet. Bicolored purple and white flowers bloom in late spring to early summer above clumps of fernlike blue-green basal foliage. Europe. Zones 3–8, 8–1. See entry 66 for additional information.

70 *Arisaema* sp. Jack-in-the-pulpit variety. Height: 2–2½ feet. A tuberous perennial with distinctive three-part compound leaves. Named for hoodlike bracts (spathes) that emerge in late spring, followed in autumn by clustered bright red berrylike fruits. This seed produces plants with greenish-white spathes. Grow in part sun or shade and rich, well-drained soil. Cold condition seeds or sow outdoors in fall. Germinates in 3–12 months. Eastern North America. Zones 4–9, 9–1.

71 *Asclepias* sp. (species undetermined, but possibly *A. incarnata*). Milkweed. Height: 4–5 feet. Upright, clump-forming plant that bears clusters of vanilla-scented pink flowers in late summer. Good for naturalizing and attracts butterflies and other pollinators. Thrives in wet sites but tolerates standard garden soil. Spreads vigorously where conditions are right. Cold condition or sow seeds outdoors in fall; do not cover seeds. Germinates in 7–21 days. Eastern North America. Zones 3–9, 9–2.

72 *Asclepias incarnata*. Swamp milkweed. Height: 3 feet. An upright, densely branched perennial that bears clusters of vanilla-scented, two-toned pinkish to rosy, flowers from early

summer into fall. See entry above for additional information.

73 *Asclepias tuberosa*. Butterfly weed. Height: 2–3 feet. Clusters of bright orange flowers bloom from midsummer to fall on erect stems clad in downy, willowlike leaves. Decorative narrow seed capsules ripen in late summer or fall. Thrives in drier, infertile soils and is suited to meadow areas. Attracts butterflies and other pollinators. Sow seeds outdoors in fall or early spring. Does not transplant well due to its deep tap root. Self sows. Germinates in 7–30 days. Eastern and southern North America. Zones 4–9, 9–2.

74 *Asclepias tuberosa* subsp. *interior*. Butterfly weed. Height: 2–3 feet. Collected from a Wisconsin ecotype. See entry above for additional information.

75 *Aster novae-angliae* (syn. *Symphotrichum novae-angliae*). New England aster. Height: 4–6 feet. Perennial that produces daisylike flowers with violet-purple rays around a yellow center. Flowers appear from late summer through fall on erect branched stems clasped by long, narrow leaves. May require staking. Sow seeds indoors in late winter. Germinates in 7–14 days. Eastern and central North America. Zones 4–8, 8–1.

76 *Baptisia australis*. Plains false indigo. Height: 3–5 feet. A shrubby perennial with attractive blue-green foliage and dark blue pealike flowers that bloom in long racemes in midsummer. Clump-forming, spreads by rhizomes. Sow outdoors in late fall or indoors in early spring. Germinates in 7–35 days. Eastern U.S. Zones 3–9, 9–1.

77 *Belamcanda chinensis*. Blackberry lily. Height: 1–3 feet. A rhizomatous iris relative that bears a succession of yellow to orange-red, spotted flowers up to 2 inches across in summer. Semi-erect, sword-shaped leaves are clustered at the base. Decorative fruit capsules split in late summer or early fall to expose shiny black seeds. Cold condition seeds then germinate at 70 degrees. Germinates in 15–21 days. Asia. Zones 5–9, 9–5.

78 *Chasmanthium latifolium* (syn. *Uniola latifolia*). River oats, wild oats. Height: 3 feet. Loosely tufted clump-forming grass develops arching leaf blades that turn gold in winter. Dangling, oatlike, light green flower spikelets form in midsummer on slender stems then gradually turn bronze at maturity. Tolerates part shade and moist soils. Self sows vigorously. Sow seeds outdoors in fall or early spring. Germinates in 7–14 days. Eastern North America. Zones 5–9, 9–5.

79 *Coreopsis lanceolata* ‘Sterntaler’. Lanceleaf coreopsis. Height: 16 inches. Large-toothed yellow flowers with brown centers borne on slender green stems above narrow, dark green lance-shaped leaves. Deadhead to extend flowering. Full

sun, sandy soil. Southeastern and south-central U.S. Zones 4–9, 9–1.

80 *Delphinium* sp. Larkspur mix. Height: 2–2½ feet. Blue, pink, and white flowers bloom prolifically from early to midsummer on showy spikes above deeply lobed leaves. Grows best in moist, slightly alkaline soil. Deadhead to promote reblooming. Sow seeds indoors in late winter for flowers first year; sow outdoors in spring or summer for flowers in second year. Germinates in 1 to 2 weeks. **Caution: Young leaves and seeds of some delphiniums are toxic.** Hybrid origin. Zones 3–8, 6–1.

81 *Dianthus* sp. Sweet William variety. Height: 1½–2 feet. This short-lived perennial or biennial is upright or mounded with narrow, bluish green foliage. Fragrant flowers in a mix of colors bloom in terminal clusters in early to midsummer. Makes a long-lasting cut flower. Plant in part shade in warmer regions. Sow seeds indoors in late winter for same year bloom, or outdoors once soil warms for bloom the following year. Germinates in 7–21 days. Southern Europe. Zones 3–8, 9–1.

82 *Dianthus* ‘Loveliness’. Border pink hybrid. Height: 1½ feet. A short-lived perennial that forms a compact mound of grasslike, gray green foliage. Starting in late spring, frilly and sweetly scented burgundy single flowers bloom for about two months. See entry above for additional information.

83 *Dianthus deltoides* ‘Arctic Fire’. Maiden pink cultivar. Height: ½–1 foot. A tufted or mat-forming perennial bearing grasslike blue-green foliage. White flowers have serrated edges and red “eyes” in the center. Flowers bloom on solitary spikes just above the foliage in early to midsummer and may rebloom if deadheaded. In warmer regions, site in part shade. Sow seeds, covered lightly, indoors in late winter or outdoors in spring. Germinates in 7–21 days. Europe. Zones 3–9, 9–1.

84 *Digitalis lutea* (syn. *D. eriostachya*). Straw foxglove. Height: 2–3 feet. Abundant racemes of small, light yellow tubular flowers bloom from early summer to early fall. Most foxgloves are biennials or short-lived perennials and will die after flowering. Part shade in warm regions. Self sows. **Caution: All parts are poisonous.** Mediterranean region. Zones 3–8, 8–1.

85 *Digitalis purpurea*. Common foxglove. Height: 3 feet. Biennial or short-lived perennial with erect stems that are densely covered with lance-shaped leaves. One-sided racemes bear lavender-purple flowers with some pink. Tolerates part shade. Deadhead flowers before seeds set to extend lifespan and avoid self-sowing. Seeds sown outdoors in early fall should flower the following summer; seeds sown in late winter to early spring

may take two years to bloom. Self sows. Sow seeds, uncovered, in warm soil. Germinates in 10–20 days. Central Europe. Zones 4–8, 9–3.

86 *Digitalis purpurea* mixed with *D. purpurea* forma *albiflora*. Common foxglove mix. Height: 3 feet. Mix of lavender-purple and white flowers. See entry above for additional information.

87 *Echinacea paradoxa*. Bush’s coneflower. Height: 2–4 feet. This vigorous native of the Ozark Mountains produces dark green leaves that clasp the stem. Yellowish ray flowers surrounding a dark purple cone appear from June to August. Attracts butterflies. Tolerates part shade. Sow outdoors in fall or cold condition before sowing outdoors in spring; do not cover seeds. Germinates in 2–4 weeks. Southeastern U.S. Zones 4–7, 12–1.

88 *Echinacea purpurea*. Purple coneflower. Height: 3–4 feet. Erect perennial with hairy, red-tinged green stems, hairy ovate basal leaves, and ovate to lance-shaped stem leaves. Flowerheads to five inches across appear from midsummer to early autumn, composed of conical, spikey brown discs surrounded by slightly reflexed purple rays. Sow seeds outdoors in fall or spring after cold conditioning. Germinates in 10–20 days. Eastern and central U.S. Zones 3–9, 9–1.

89 *Echinops ritro*. Small globe thistle. Height: 2–3 feet. An erect perennial with sturdy stems and thistlelike leaves. Large, spiky, steely blue, globular flowerheads bloom in midsummer. Heat-tolerant, low-maintenance plant. Excellent for cutting and dried arrangements. Sow seeds indoors in late winter at 70 degrees, or sow directly in the garden once the soil warms. Germinates in 14–28 days. Europe and western Asia. Zones 3–9, 10–2.

90 *Erodium manescaui* (syn. *E. manescavii*). Manescau erodium, heron’s bill. Height: 8–18 inches. Upright clump-forming perennial with hairy mid-green leaves. Two-inch rosy purple flowers bloom in clusters from early summer to early autumn. Thrives in free-draining soil. Self sows. Sow seeds outdoors in fall. Germinates in 3–4 weeks. France. Zones 3–7, 7–3.

91 *Eupatorium* ‘Gateway’. Joe-Pye weed cultivar. Height: 4–6 feet. A compact selection of *E. maculatum*, ‘Gateway’ forms clumps up to 3–4 feet wide. Domed heads of pale pink to mauve flowers bloom in clusters up to 18 inches across. Blooms in late summer or fall on hollow stems spotted with purple. Sow outdoors in fall or cold condition and start indoors in early spring. Germinates in 4–12 weeks. Eastern North America. Zones 4–8, 8–1.

92 *Eupatorium purpureum*. Joe-Pye weed. Height: 6–8 feet. Open clusters of purplish flowers appear in late summer. Lance-shaped leaves are arranged in whorls around the stem. Tolerates varied sun and soil conditions. Good for natural-

izing. Prune to stimulate lateral development or reduce height. May not bloom until second year. Zones 3–9, 9–1. For additional information, see entry above.

93 *Gaillardia* sp. Blanket flower. Height: 2–3 feet. This mix bears large yellow and orange daisylike flowers in summer and fall. Bushy habit with a 1½ to 2½ foot spread. Drought tolerant. Sow seeds indoors 8–10 weeks prior to last frost or outdoors once soil warms. Germinates in 7–14 days. Western North America. Zones 3–8, 12–1.

94 *Hasteola suaveolens* (syn. *Cacalia suaveolens*). Sweet Indian plantain. Height: 3–5 feet. Prairie and wetland species with lustrous dark green, arrowhead-shaped foliage is attractive backdrop for large clusters of small white flowerheads that bloom from midsummer to fall. Attracts butterflies. Tolerates moist soils. Sow outdoors in fall. Germinates in 60 days. Central and eastern U.S. Zones 5–9, 9–1.

95 *Helenium autumnale*. Sneezeweed. Height: 2½–6 feet. A tall plant with an erect habit. Bears elongated, alternate, serrated leaves and daisylike yellow to burgundy flowers that bloom late summer to frost. Sow indoors 8–10 weeks before last frost date or outdoors in early spring. Germinates in 7–10 days. Eastern North America. Zones 4–8, 8–1.

96 *Helianthus angustifolius*. Swamp sunflower. Height: 5–7 feet. Upright perennial with rough, hairy stems and narrow green leaves up to 8 inches long. Daisylike flowers with yellow ray florets and purple disk florets bloom in late summer to fall. Tolerates moist soil. Sow outdoors in fall or indoors 4–6 weeks before last frost date. Germinates in 10–14 days. Eastern U.S. Zones 6–9, 9–4.

97 *Hemerocallis* sp. Daylily hybrid mix. Height: 1–5 feet. This mix of seeds from various selections will produce plants that vary significantly in flower color and form. In general, daylilies are clump-forming, upright plants with straplike leaves. Showy flowers open throughout the growing season. Sow indoors 4–6 weeks before last frost. Germinates in 14 days. Garden origin. Zones 3–9, 12–2.

98 *Hibiscus* sp. Hibiscus. Height: 4 feet. Bushy plant bears large red flowers in late summer. Sow seeds outdoors in fall or cold condition. Germinates in 14–30 days. Eastern U.S. Zones 5–10, 12–1.

99 *Hibiscus aculeatus*. Comfort root. Height: 3–5 feet. A tall slender plant with fuzzy stems and large okra-like leaves. Flowers are 4–5 inches with light yellow petals and a dark purple eye. Blooms from early summer through fall. Prefers moist soil. Southeastern U.S. Zones 7–10, 10–7. See entry above for additional information.

100 *Hibiscus coccineus*. Scarlet rose mallow, marsh hibiscus. Height: 5–10 feet. Multistemmed

woody-based plant with narrow upright habit and lobed leaves. The showy, deep red, funnel-shaped flowers bloom in the leaf axils from mid-summer to early fall. Stems die back to the ground in fall in cooler regions and new stems emerge later than some other perennials. Thrives in moist sites. Nick seeds and soak in hot water for one hour before sowing indoors, uncovered, 12 weeks before last frost. Germinates in 10–30 days. Southeastern U.S. Zones 6–11, 12–6.

101 *Hibiscus militaris* (syn. *H. laevis*). Halberd-leaved swamp mallow, soldier rose mallow. Height: 4–6 feet. A multistemmed, upright perennial with triangular leaves divided into 3–5 arrow-shaped lobes. Large pink flowers with dark pink throats bloom from July into autumn. Grows best in moist soil and part shade. Sow seeds outdoors in fall or start indoors in late winter. Germinates in 2–4 weeks. Eastern and central U.S. Zones 3–9, 9–1.

102 *Hibiscus moscheutos* subsp. *palustris*. Rose mallow variety. Height: 2–4 feet. This seed was collected from an isolated population on the sand dunes of Cape Cod and features large pink flowers and a pointed leaf. Thrives in moist soil. Soak seeds in tepid water overnight and sow, uncovered, in fall or cold condition. Germinates in 15–30 days. Eastern U.S. Zones 5–10, 12–1.

103 *Hosta* sp. Hosta species. Height: 2–2½ feet. A long-leaf hosta variety that has bluish-green foliage. Hostas grow best in part to full shade and moist but well-drained soil. Sow seeds outdoors in spring. Germinates in 10–14 days. China, Korea, Japan, and eastern Russia. Zones 3–9, 9–2.

104 *Hosta* sp. Hosta species. Height: 2–2½ feet. A long leaf hosta variety that has green foliage. For additional information, see entry above.

105 *Inula magnifica* (syn. *I. afghanica*). Magnificent inula. Height: 5–6 feet. A clump-forming herbaceous perennial or sub-shrub. Bears corymbs of 8–20 daisylike yellow flowers up to 6 inches wide on purple speckled stems for about 6 weeks in early summer. Heat tolerant. Sow outdoors in spring after soil warms. Germinates in 14 to 30 days. Eastern Caucasus. Zones 5–8, 8–5.

106 *Ipomopsis rubra* (syn. *Gilia rubra*). Standing cypress. Height: 2–6 feet. Biennial or short-lived perennial bears bright red tubular flowers on tall stems cloaked in needlelike foliage. Grows best in well-drained sandy soil. Attracts hummingbirds. Good cut flower. Self sows. Sow seeds where they are to grow in early spring. Germinates in 1–2 weeks. Southeastern U.S. Zones 6–9, 9–5.

107 *Lagurus ovatus*. Hare’s-tail grass. Height: 1½–2 feet. This tufted annual grass produces purple-tinged, softly hairy, pale green plumes in summer that mature to a pale cream color. Has lance-shaped, pale green leaves to 8 inches long. Harvest immature bundles of stems and hang for

drying. Self sows. Sow outdoors in spring or in containers in a cold frame in autumn. Germinates in 14–21 days. Mediterranean. Zones 0–0, 12–1.

108 *Lavatera thuringiaca*. Tree lavatera cultivar. Height: 3–6 feet. This tall, branching perennial develops heart-shaped leaves and cup-shaped, bright pink flowers with dark veins in early to midsummer. Tolerates dry locations. Self sows. Sow indoors in early spring or directly in the garden in summer. Germinates in 1–3 weeks. Central and southeastern Europe. Zones 7–9, 9–7.

109 *Leucanthemum* × *superbum* (formerly *Chrysanthemum* × *superbum*). Shasta daisy. Height: 3 feet. Erect, clumping perennial has dark green leaves with serrated edges. Blooms from early summer to frost with classic 4- to 5-inch white flowerheads with yellow centers. Full sun or part shade. Pinch plants to encourage a fuller shape and deadhead to encourage reblooming. Sow seeds indoors in early spring, barely covered. Germinates in 1–2 weeks. Hybrid origin. Zones 5–8, 8–1.

110 *Ligularia* sp. Golden groundsel. Height: 3–5 feet. Clump-forming perennial with broad, shiny leaves and bright orange, daisylike flowers from summer to fall. Thrives in moist soil in full sun or part shade. Good for bog gardens. Warm condition, then cold condition seeds. Germinates in 30–60 days. Asia. Zones 4–8, 8–1.

111 *Lilium formosanum*. Formosa lily. Height: 5–7 feet. Abundant dark green leaves up to 8 inches long cloak the erect stems of this lily. Fragrant, trumpet-shaped, 5- to 8-inch flowers are white inside and maroon to wine-colored outside. These bloom in leaf axils in late summer to early autumn. Grows best in moist, sandy soil; site to receive afternoon shade in warmer climates. May require staking. Sow seeds at 70 degrees in late winter. Germinates in 14–28 days. Taiwan. Zones 6–9, 9–1.

112 *Lobelia cardinalis*. Cardinal flower. Height: 3–4 feet. Erect, clump-forming perennial with bright scarlet-lobed flowers that bloom on loose terminal spikes from midsummer through fall. Thrives in rich, moist soil in full sun or part shade. Attracts hummingbirds and butterflies. Self sows. Cold condition or sow outdoors in fall; do not cover seeds. Germinates in 14–21 days. Eastern North America and central U.S. Zones 2–8, 8–1.

113 *Lunaria annua*. Honesty, money plant. Height: 3 feet. Biennial with heart-shaped, coarsely toothed leaves. In late spring to early summer, cross-shaped magenta flowers are borne on tall terminal spikes. The fruit—technically a silique—is papery and coin-shaped. Useful for dried arrangements. Tolerates shade. Self sows. Sow seeds outdoors two weeks before last frost date. Germinates in 3–10 days. Europe. Zones 3–9, 9–1.

114 *Lychnis chalconica*. Maltese cross. Height: 3–4 feet. Erect perennial with oval leaves bears rounded cymes of star-shaped scarlet flowers in late spring to early summer. Full sun to part shade. Requires support. Self sows. Sow indoors in early spring or outdoors in summer. Do not cover seeds. Germinates in 3–4 weeks. Eastern Russia. Zones 3–8, 8–1.

115 *Lychnis chalconica* ‘Dusky Salmon’. Maltese cross cultivar. Height: 3–4 feet. Flower has a dusky salmon color. See entry above for additional information.

116 *Lychnis coronaria*. Rose campion. Height: 2–3 feet. Biennial or short-lived perennial. Bright magenta flowers borne on long stems contrast with rosette of ground-hugging, hairy, silver-gray, oval leaves up to 4 inches long. Blooms late spring into early summer. Tolerates part shade. Self sows. Sow indoors in late winter or outdoors in spring. Germinates in 7–30 days. Southern Europe. Zones 3–8, 8–1.

117 *Malva alcea*. Hollyhock mallow. Height: 2–3 feet. Alternate leaves are often deeply lobed and have serrated edges. Bright pink, funnel-shaped flowers bloom from July to October. Tolerates part sun. Short lived, but usually self sows. Sow outdoors in spring. Germinates in 7–21 days. Southeastern Europe. Zones 3–8, 8–1.

118 *Malva sylvestris* ‘Zebrina’. High mallow cultivar. Height: 3–4 feet. Erect, sometimes sprawling, bushy plant with heart-shaped or rounded leaves. Its saucer-shaped pink flowers with purple stripes bloom all summer in leaf axils. Provide consistent soil moisture. Sow seeds outdoors in early spring. Germinates in 1–4 weeks. Northern Europe, North Africa, southwestern Asia. Zones 4–8, 8–1.

119 *Meconopsis cambrica*. Welsh poppy. Height: 18 inches. Short-lived perennial bears pale blue-green irregularly lobed leaves on branched stems from basal tufts. Solitary flowers are cup-shaped, orange, and 2 inches across, borne on slender stalks from mid-spring to mid-fall. Grows best in part shade in moist, well-drained soil in sites sheltered from drying winds. Sow seeds indoors or outdoors; do not cover seed. Germinates in 2–4 weeks. Western Europe. Zones 6–8, 8–6.

120 *Nassella tenuissima*. Mexican feather grass. Height: 1–2 feet. This grass forms dense, fountainlike clumps of slender, wiry stems. The nodding, feathery inflorescences bloom from midsummer into fall, turning from silver to golden brown at maturity. This cool-season grass goes dormant in regions with hot summers. Self sows and has shown tendency to naturalize in western U.S. Sow seeds indoors in late winter; transplant seedlings outdoors once they are well established. Germinates in 7–14 days. Southwestern U.S., Central America. Zones 6–9, 9–1.

121 *Oenothera biennis*. Evening primrose. Height: 3–7 feet. Biennial or short-lived erect perennial with yellow, cup-shaped flowers held above a rosette of long, flat basal leaves. Blooms open in late afternoon or evening beginning in midsummer. Tolerates part shade and does best in dry, well-drained soil. Self sows. Cold condition or sow outdoors in fall. Do not cover seeds. Germinates in 7–30 days. Eastern North America. Zones 4–8, 8–1.

122 *Papaver alpinum*. Alpine poppy. Height: 18 inches. Clump-forming, short-lived perennial with hairy gray-green leaves. Pale orange flowers appear sporadically in the summer months. Sow seeds in a cold frame or outdoors where they are to grow. Germinates in 14–21 days. Europe. Zones 5–8, 8–3.

123 *Papaver nudicaule*. Iceland poppy. Height: 1–1½ feet. A short-lived perennial sometimes grown as a winter annual in warm regions. From spring to early summer, fragrant, 2- to 4-inch-wide, bowl-shaped, yellow to orange flowers bloom on leafless stems emerging from a basal clump of fernlike gray-green leaves. Sow seeds outdoors in late winter in cold-climate regions and in late fall in warm climates. Germinates in 10–30 days. Subarctic. Zones 2–7, 8–2.

124 *Persicaria virginiana* (syn. *Polygonum virginianum*) ‘Painter’s Palette.’ Smartweed cultivar. Height: 2–3 feet. Loosely mounding rhizomatous perennial bears elongated oval green and creamy white variegated leaves highlighted by v-shaped pink blotches. Loose spikes of small cup-shaped green flowers develop in early summer, turning red as they mature. Self sows and can spread aggressively in moist, fertile soil. Sow seeds indoors, barely covered, in late winter. Germinates in 14–21 days. Himalayas, Japan, eastern North America. Zones 5–9, 9–5.

125 *Physostegia virginiana*. False dragonhead, obedient plant. Height: 3 feet. Racemes of 1½-inch snapdragon-like pink flowers bloom in late summer. Excellent for shady borders or wild-flower gardens. Full to part sun. Self sows. Sow seeds, barely covered, indoors in late winter or outdoors in spring or fall. Germinates in 20–30 days. Eastern North America. Zones 2–8, 8–1.

126 *Platycodon grandiflorus*. Balloon flower. Height: 2–3 feet. Compact clump-forming perennial with erect, sparsely leaved stems. In summer loose clusters of large balloon-shaped buds open into bell-shaped, purple-blue flowers. Site in afternoon shade in warm regions. Sow seeds indoors at 70 degrees in early spring. Germinates in 7–28 days. Eastern Asia. Zones 4–8, 9–1.

127 *Primula veris*. Cowslip. Height: 10 inches. A rosette-forming evergreen or semi-evergreen with 8-inch-long oblong to ovate leaves. Produces umbels of small, nodding, fragrant, yellow flowers in

spring. Full to part sun and moist soil. Cold condition seeds or sow in cold frame. Germinates in 14–42 days. Europe to western Asia. Zones 3–8, 8–1.

128 *Rudbeckia maxima*. Great coneflower. Height: 5–7 feet. Large blue-green, paddle-shaped basal leaves are up to 18 inches long. Flowers with slightly drooping yellow petals and up to 6-inch-long cones are carried atop tall slender stems in mid- to late summer. Ideal for naturalizing. Sow outdoors in fall or cold condition before sowing outdoors in spring. Germinates in 1–3 weeks. North America. Zones 4–8, 8–1.

129 *Salvia coccinea* ‘Cherry Blossom’ (syn. ‘Coral Nymph’). Tropical or Texas sage cultivar. Height: 1½–2 feet. Erect, bushy tender perennial, usually grown as an annual, has oval to heart-shaped, toothed, dark green leaves. Tubular white and salmon-pink flowers reminiscent of the blooms of a cherry tree are produced from midsummer to first frost on slender, open, terminal spikes. Attracts pollinators. Self sows. Sow seeds indoors 6–8 weeks prior to last frost or outdoors in warm soil. Germinates in 7–14 days. Mexico, Central America, widely naturalized. Zones 11, 12–1.

130 *Salvia coccinea* ‘Lady in Red’. Tropical or Texas sage cultivar. Height: 16 inches. Upright branching selection with red flowers. See entry above for additional information.

131 *Stokesia laevis*. Stokes aster. Height: 1½–2 feet. This rosette-forming, evergreen perennial has lance-shaped leaves and produces blue cornflower-like blooms from midsummer to early autumn. Prefers acidic soil and tolerates part shade. Self sows. Sow seeds, barely covered, in a cold frame in fall. Germinates in 20–30 days. Southeastern U.S. Zones 5–9, 9–5.

132 *Verbascum chaixii*. Nettle-leaved mullein. Height: 3 feet. Produces semi-evergreen basal leaves and saucer-shaped pale yellow flowers with prominent purple stamens in summer. Prefers alkaline soil. Self sows. Sow seeds indoors in early spring or outdoors in spring or summer for flowering the following year. Germinates in 2–3 weeks. Europe. Zones 5–9, 9–5.

133 *Verbascum olympicum* (syn. *V. longifolium* var. *pannosum*). Greek mullein. Height: 4–8 feet. A biennial or short-lived perennial that forms a basal rosette of large, pale woolly leaves. It bears a large, branching panicle of bright yellow flowers in mid- to late summer the second or third year after sowing, and often dies after flowering. Self sows. Sow seed in a cold frame in late spring or early summer. Germinates in 14–30 days. Greece. Zones 5–9, 9–5.

134 *Verbena bonariensis*. Purple top vervain, Brazilian verbena. Height: 3 feet. Upright, open, clump-forming perennial, grown as an annual where not hardy. Square, wiry, branching stems

bear sparse lance-shaped, clasping leaves with toothed margins. Small, rounded terminal clusters of pale purple flowers bloom from midsummer to frost. Heat and drought tolerant. Self sows and is considered weedy in some mild winter regions. Sow indoors at 70 degrees in late winter, or outdoors after last frost date. Germinates in 21–28 days. South America. Zones 7–11, 11–1.

135 *Vernonia fasciculata*. Prairie or smooth ironweed. Height: 3–5 feet. Clump-forming perennial with lance-shaped leaves. Bears large clusters of intense reddish purple flowers in late summer to early fall. Very attractive to pollinators and tolerant of dry and wet soil. Sow seeds outdoors in fall or indoors in late winter. Germinates in 7–28 days. Central U.S. Zones 4–9, 9–4.

136 *Vernonia gigantea* (syn. *V. altissima*). Tall ironweed. Height: 4–8 feet. This clump-forming perennial bears spikes of small, intensely purple flowers from early summer to early autumn. Narrow, lance-shaped, green leaves alternate on thick, erect stems. Sow outdoors in fall or cold condition. Germinates in 7–28 days. Eastern U.S. Zones 4–8, 8–1.

137 *Yucca* sp. Adam’s needle, soapweed. Height: 2–3 feet. Clump-forming evergreen with a basal rosette of lance-shaped leaves. In early to midsummer, 6- to 10-foot stalks rise from the center of the clump and bear nodding, bell-shaped, creamy white flowers. Sow seeds outdoors in early spring. Germinates in 30–35 days. Eastern U.S. Zones 4–11, 12–5.

TREES & SHRUBS

138 *Caesalpinia pulcherrima* (syn. *Poinciana pulcherrima*). Barbados pride. Height: 6–20 feet. Spread: 6–12 feet. Erect shrub or small tree with compound green leaves up to 12 inches long. Produces 8-inch racemes of up to 40 irregularly bowl-shaped flowers with orange-yellow or yellow petals, orange-red sepals, and red stamens from spring to autumn. Soak seeds for 24 hours before sowing outdoors after danger of frost has passed. Germinates in 5–10 days. West Indies. Zones 9–11, 12–9.

139 *Camptotheca acuminata*. Happy tree. Height: 40–60 feet. Spread: 40 feet. Upright deciduous tree with large dark green leaves. In summer, it produces clusters of small, white flowers followed by banana-like seed pods. Fast growing and tolerant of most soils. Full sun to part shade. Sow outdoors in fall. Southern China and Tibet. Zones 8–10, 10–8.

140 *Kolkwitzia amabilis*. Beautybush. Height: 10 feet. Spread 12 feet. Deciduous suckering shrub with arching branches. In spring, it bears bell-shaped, pink flowers, which attract early pollina-

tors. Prefers full sun though it can be grown in part shade. Soak for 24 hours, then cold condition for 4 weeks before sowing outdoors after danger of frost has passed. Germinates in 14–30 days. China. Zones 5–9, 9–5.

141 *Mahonia japonica* ‘Bealei’ (syn. *M. bealei*). Leatherleaf mahonia. Height: 6 feet. Spread: 10 feet. Erect shrub with thick branches and leathery, blue-green leaves divided into broad leaflets. Upright racemes of fragrant yellow flowers appear in winter and early spring, followed by blue-purple berries. Sow seeds outdoors in spring. Germinates in 3–6 months. China. Zones 7–8, 8–7.

142 *Rosa rugosa*. Rugosa rose. Height: 3–8 feet. Dense shrub with glossy green leaves. Fragrant, single, pink blooms appear on new wood throughout the growing season, followed by large orange hips. Tough, hardy, disease-tolerant rose often grown where other roses won’t succeed; however, has naturalized in cold climate regions such as New England and upper Midwest. Cold condition seeds. Germinates in 8–12 weeks. Eastern Russia, northern China, Korea, and Japan. Zones 2–9, 9–1.

143 *Sapindus drummondii*. Western soapberry. Height: 50 feet. Spread: 30 feet. Single-stemmed, low branched tree with a broad oval-to-rounded crown. Alternate, compound green leaves turn yellow in fall. Small yellowish-white clusters of flowers bloom in early summer. Half-inch-diameter yellow fruits form by early fall. Prefers dry soil, but adaptable. Scarify seed, then cold condition. Germinates in 14–20 days. Southern U.S. and northern Mexico. Zones 8–11, 10–2.

144 *Senna alata* (syn. *Cassia alata*). Candlestick or ringworm cassia. Height: 6–20 feet. Spread: 6–15 feet. An erect or spreading evergreen shrub or tree that bears large yellow flowers on spiky racemes in late summer to autumn. Its compound leaves can be up to 2 feet long. Winged seedpods turn black when mature. Sow seeds in spring. Germinates in 2–3 weeks. Tropical Asia, Africa, and America. Zones 11, 12–10.

145 *Styrax japonicus*. Japanese snowbell. Height: 20–30 feet with an equal or greater spread. A graceful, spreading, deciduous tree with a rounded habit and pointed oval leaves. White, bell-shaped flowers are borne on pendulous stalks in May and June. Grows best in a sheltered site in full or part sun. Seeds require alternating warm and cold conditioning. Germination can take up to a year. Eastern Asia. Zones 6–8, 8–6.

VINES

146 *Aristolochia fimbriata*. Dutchman’s pipe. Height: 1½ feet. This climber has nearly circular veined leaves up to 3 inches across. The autumn

flowers, which attract butterflies, are green-brown on the outside and purple-brown on the inside with yellow veins. Tolerates part sun. Sow seeds, uncovered, in fall. Germinates in 21–60 days. Brazil. Zones 7–10, 12–3.

147 *Aristolochia tomentosa*. Dutchman’s pipe. Height: 20–30 feet. A woody deciduous vine with heart-shaped leaves and greenish-yellow trumpet flowers with burgundy throats that bloom from spring through summer. This is a larval plant for the pipe vine swallowtail butterfly. Full sun to part shade. Sow outdoors fall or spring. Germinates in 30–90 days. Southeastern U.S. Zones 5–8, 8–4.

148 *Clematis serratifolia*. Korean clematis. Height: 6–10 feet. Late-blooming clematis species. Single, golden-yellow flowers are set apart by blackish purple stamens. Grow in rich, well-drained soil, ideally with the roots in shade and the vine in full sun. Sow seeds outdoors in fall or cold condition. Cover seeds lightly. Germinates in 10–30 days. Seeds can be difficult to germinate or show low viability. Asia. Zones 4–9, 9–3.

149 *Clitoria ternatea*. Butterfly pea, pigeon-wings. Height: 10 feet. A tender perennial vine or creeper with compound, pinnate, evergreen leaves. Solitary bright blue flowers with white markings bloom from summer to autumn. Where not hardy, treat as an annual. Soak seeds in lukewarm water for 24 hours before sowing, then provide bottom heat. Germination is irregular. Tropical Asia. Zones 11, 12–10.

150 *Ipomoea coccinea*. Red morning glory. Height: 6–12 feet. A slender-stalked, fast-growing annual with large, often deeply lobed, bright green leaves and red-orange tubular flowers with yellow throats. Attracts hummingbirds. Notch seeds or soak in water for 12 hours before sowing. Can be started indoors in spring in cooler areas. Germinates in 7–21 days. Southeastern U.S. Zones 0–0, 12–8.

151 *Ipomoea nil* (syn. *I. imperialis*) ‘Scarlet O’Hara’. Japanese morning glory cultivar. Height: 8–10 feet. Vigorous annual or tropical perennial climber with yellow-haired stems and funnel-shaped, red flowers with white throats. Germinates in 7–10 days. **Caution: Seeds are poisonous if ingested.** Tropics worldwide. Zones 10–11, 12–1. See entry above for additional information.

152 *Ipomoea tricolor* ‘Early Call’. Morning glory cultivar. Height: 5–6 feet. Showy 4- to 5-inch blooms unfurl each morning in pink, magenta, pearly white, chocolate, lavender, and sky blue. May self sow. Germinates in 7–10 days. **Caution: Seeds are poisonous if ingested.** Tropical America. Zones 11, 12–1. See entry 149 for additional information.

153 *Ipomoea tricolor* ‘Mailbox Mix’. Morning glory cultivar. Height: 8–10 feet. This vigorous ten-

der perennial climber has yellow-haired stems, and blue or white funnel-shaped flowers. May self sow. Germinates in 7–10 days. **Caution: Seeds are poisonous if ingested.** Tropical America. Zones 11, 12–1. See entry 149 for additional information.

154 *Lablab purpureus* (syn. *Dolichos lablab*). Purple hyacinth bean. Height: 6–15 feet. Grown as an annual north of USDA Zone 9, this ornamental member of the pea family has compound leaves and clusters of fragrant, pinkish-purple flowers. Blooms from midsummer to fall, followed by decorative purple seedpods. Provide sturdy support for climbing. Sow seeds outdoors after danger of frost. Germinates in 7–21 days. Tropical Africa. Zones 9–11, 12–1.

155 *Lablab purpureus* ‘Alba’ (syn. *Dolichos lablab*). Purple hyacinth bean cultivar. Height: 6–15 feet. This selection has white flowers. See entry above for additional information.

156 *Lablab purpureus* ‘Ruby Moon’ (syn. *Dolichos lablab*). Purple hyacinth bean cultivar. Height: 6–15 feet. This selection has striking purple-veined leaves and lilac flowers. See entry 153 for additional information.

157 *Lathyrus latifolius*. Perennial sweet pea. Height: 6–10 feet. This climber bears blue-green leaves on winged stems and racemes of 6 to 11 rose-pink flowers from midsummer to frost. Provide support for climbing. In early spring, sow seeds after nicking the seed coat with a knife or soaking seeds overnight in tepid water. Germinates in 7–14 days. Northern and eastern Africa. Zones 5–9, 9–5.

158 *Lathyrus sativus*. Chickling pea. Height: 3 feet. Annual climber bears solitary light blue flowers in summer. Tolerates part shade. Sow indoors 8–10 weeks before last frost date. Germinates in 7–21 days. **Caution: All parts are poisonous if ingested.** Central and southern Europe, northern Africa, southwestern Asia. Zones 0–0, 8–1.

HERBS

159 *Anthriscus cerefolium*. Chervil. Height: 1 foot. Flat clusters of tiny white flowers appear above light green lacy leaves in early to midsummer; tends to “bolt” in hot weather. Flavor is reminiscent of anise and parsley. Used in salads, soups, stews, and in French *fines herbes* mixtures. Harvest leaves sparingly once plants have 8 to 10 leaves. Tolerates part shade, especially in warm regions. Sow seeds outdoors in early spring. Germinates in 10–14 days. Europe and western Asia. Zones 0–0, 9–1.

160 *Borago officinalis*. Borage. Height: 2–3 feet. Lanky, upright annual plant with hairy stems clasped by large, oval gray-green leaves. Small, bright blue flowers bloom in terminal clusters in

mid- to late summer. Although the leaves, flowers, and seeds have historically been listed as having medicinal and culinary uses, modern researchers advise against consumption of any plant parts. Self sows. Sow seeds indoors in late winter or outdoors after threat of frost. Germinates in 7–21 days. Southern Europe. Zones 7–10, 10–1.

161 *Borago officinalis* 'Alba'. Borage cultivar. Height: 2–3 feet. Cultivar with white flowers. See entry above for additional information.

162 *Matricaria recutita* 'Bodegold'. Height: 2–2½ feet. German chamomile cultivar. Taller and more uniform than the species, this cultivar blooms several weeks earlier with larger flowers. This clump-forming annual has aromatic, feathery foliage and daisylike flowers with white ray florets around a yellow center. It shares both the appearance and some of the herbal properties attributed to perennial chamomile (*Chamaemelum nobile*). Tolerates part shade. Self sows. Sow seeds outdoors in early spring. Germinates in 7–21 days. Eurasia. Zones 0–0, 12–1.

163 *Melissa officinalis*. Lemon balm. Height: 1–1½ feet. Clump-forming plant spreads slowly to form mounds of deep green, heart-shaped leaves that have a citrus fragrance. Leaves are used in teas and are considered medicinal. White flowers bloom in late summer. Thrives in part shade and moist soil. Sow seeds, uncovered, in warm soil. Self sows and can become invasive. Germinates in 4–12 days. Mediterranean. Zones 4–9, 12–1.

164 *Nepeta mussinii* (syn. *N. racemosa*). Persian catmint. Height: 1–1½ feet. Sprawling plant has square stems cloaked with gray-green, aromatic leaves. These are topped with loose racemes of lavender flowers in spring to early summer. Cut spent flowers for a second bloom. Thrives in dry, sandy soils. Self sows. Sow outdoors in spring after last frost date. Germinates in 10–15 days. Caucasus, Turkey, Iran. Zones 4–8, 8–1.

165 *Nigella sativa*. Black cumin, nutmeg plant. Height: 1½–2 feet. An annual herb with branching linear stems and feathery foliage. Solitary blue or white flowers yield ornamental seed capsules. Seeds can be sprinkled on bread and cakes, or ground and used as a seasoning. Tolerates part shade. Sow outdoors in spring after last frost date. Germinates in 7–14 days. Southwestern Asia. Zones 0–0, 12–1.

166 *Ocimum basilicum*. Scented basil mix. Height: 1–1½ feet. Blend of three aromatic basil selections including 'Cinnamon' basil with shiny purple-veined leaves, 'Red Rubin' with garnet-colored leaves and rosy flowers, and 'Mrs. Burns', a citrus-scented selection. Sow seeds, uncovered, indoors 4–6 weeks before last frost, or outdoors once soil has warmed. Pinch back seedlings when 6 inches tall to produce bushier plants. Germinates in 7–14 days. Asia. Zones 9–11, 11–1.

167 *Petroselinum crispum* var. *neapolitanum*. Heirloom Italian parsley, flat-leaf parsley. Height: 1–1½ feet. Biennial herb often grown as an annual. Flat, deeply lobed, dark green leaves have a stronger flavor than common curly parsley. Tolerates part shade in warm regions. Soak seeds overnight, then sow outdoors after last frost date. Germinates in 2–3 weeks. Mediterranean. Zones 5–9, 9–1.

168 *Tanacetum parthenium* (syn. *Chrysanthemum parthenium*). Feverfew. Height: 1½–2 feet. Short-lived, aromatic, perennial herb with fern-like, citrus-scented foliage and small daisylike flowers with neat, button-sized, white ray florets surrounding yellow disk florets. Self sows. Sow seeds indoors or outdoors in spring. Germinates in 10–15 days. Eurasia. Zones 4–10, 12–1.

169 *Tanacetum parthenium* 'White Wonder'. Height: 2 feet. This selection blooms with snow white, ½-inch double flowers. See entry above for additional information.

VEGETABLES & FRUITS

170 *Allium tuberosum*. Garlic chives. Height: 1 foot. This perennial's flat, grasslike leaves have a delicate garlic flavor. Striking, loosely globular clusters of fragrant white flowers bloom on narrow stalks in late summer to early fall. Both the flower buds and leaves are edible. Self sows and can be somewhat invasive. Sow seeds outdoors in fall or cold condition. Germinates in 14–21 days. Matures in 30–60 days, but waiting to harvest until the second year provides a larger yield. Southeastern Asia. Zones 4–8, 8–1.

171 *Capparis spinosa*. Caper bush. Height: 2–5 feet. A slow-growing shrubby perennial with round, slightly fleshy leaves cloaking sprawling branches. In mid- to late summer, 2- to 3-inch white flowers with lavender stamens bloom. The unopened flower buds, known as capers, can be harvested for culinary purposes. Typically, the flower buds are pickled in a vinegar and brine solution then used as condiments. Tolerates dry, rocky soils. Cold condition seeds, then warm condition; germination rates are typically low. Germinates in 21–90 days. Produces full yields of caperberries by third or fourth year. Mediterranean and northern Africa. Zones 9–11, 12–9.

172 *Chenopodium giganteum* 'Magenta Spreen'. Tree spinach, lambsquarter cultivar. Height: 6 feet. This edible plant can be eaten raw in salads or steamed. The showy foliage emerges in a shimmering magenta then turns blue-green. Sow seeds outdoors after last frost date. Germinates in 3–6 days. Matures in 30–45 days. Europe. Zones 0–0, 12–1.

173 *Cucumis melo* 'French Charentais'. Casaba melon cultivar. Height: 10–14 inches. A winter

melon variety, closely related to cantaloupes, that has a wrinkled rind and thick white, yellow, or orange flesh. Flesh is not as sweet as a honeydew or musky scented like cantaloupe. Sow seeds outdoors after soil has warmed or start indoors 4–6 weeks before last frost date. Germinates in 5–10 days. Matures in 120 days. Asia Minor. Zones 0–0, 12–3.

174 *Cucurbita maxima* 'Alagold'. African winter squash cultivar. A vigorous and disease-resistant squash. The fruit is a cylindrical bell shape, with a small seed cavity and deep golden flesh. The fruit stores well and has a sweet flavor similar to butternut squash. Sow outdoors in spring after soil has warmed. Germinates in 7–14 days. Matures in 85–100 days. Africa. Zones 0–0, 12–1.

175 *Cucurbita pepo* 'Cashflow'. Zucchini hybrid. High-yielding, early Eastern type. Fruits are straight, dark green, and slightly tapered. Plants are large, open, and easy to harvest. Sow seeds outdoors after last frost date. Germinates in 7–14 days. Matures in 48 days. Garden origin. Zones 0–0, 12–3.

176 *Cucurbita pepo* 'Multipik'. Yellow straight-neck summer squash hybrid. Vigorous, semi-open bush plants produce rich yellow fruits with a medium bulb over a long harvest period. Good producer of male blossom buds for cooking. Matures in 50 days. See entry above for additional information.

177 *Lactuca sativa* 'Merveille de Quatre Saisons'. Lettuce cultivar. Height: ½–1 foot. A French heirloom Bibb lettuce with ruby-red leaves that surround a tightly folded green heart. Sow seeds shallowly in a moist, sandy loam 3–4 weeks before last frost, with successive plantings every 3 weeks. Germinates in 5–10 days. Matures in 60 days. Northern Hemisphere. Zones 0–0, 12–1.

178 *Lactuca sativa* 'Natividad'. Lettuce cultivar. Dark red curled leaves on 8-inch heads do not close tightly but form an open rosette. Matures in 53 days. See entry above for additional information.

179 *Lycopersicon lycopersicum* 'Black Krim'. Heirloom tomato. Height: 4–6 feet. A high-yielding variety that produces brownish-red, beefsteak-type fruits often weighing more than 1 pound. Fruits are prone to cracking, but have a rich, musky flavor. Indeterminate cultivar, so needs pruning and staking. Start seeds indoors 4–6 weeks before last frost. Germinates in 7–14 days. Matures in 75–90 days. Garden origin. Zones 11, 12–1.

180 *Lycopersicon lycopersicum* 'Roma'. Plum tomato. Height: 4 feet. Produces an abundance of bright red, oblong, meaty fruits with few seeds. Determinate cultivar, so most fruits ripen over a period of 3–4 weeks. Start seeds indoors 4–6 weeks before last frost. Matures in 70–80 days. Garden origin. Zones 11, 12–1.

181 *Phaseolus vulgaris* 'Borlotto Solista'. Pole bean cultivar. Height: 6–8 feet. A European hard-shelled bean that produces 9-inch, slender, creamed-colored and purple mottled pods with 8 to 9 similarly colored kidney-shaped seeds. Sow outdoors in spring after soil has warmed. Germinates in 10 days. Matures in 85–95 days. Tropical America. Zones 0–0, 12–1.

182 *Phaseolus vulgaris* 'Fatman'. Snap bean cultivar. Height: 6–8 feet. Cultivar with medium-sized white beans. Matures in 71–80 days. See entry above for additional information.

183 *Raphanus sativus* 'Nero Tondo'. Radish cultivar. A bolt-resistant variety that produces 2- to 4-inch, black-skinned, round radishes with crisp, hot, white flesh. Can be sown anytime after mid-spring. Germinates most rapidly at 60 degrees. Sow again in late summer for fall harvest. Germinates in 5–10 days. Matures in 50 days. China. Zones 0–0, 7–1.

184 Cat Treats Gourmet Greens. A blend of organically grown grasses including equal parts rye (*Secale cereale*), oats (*Avina sativa*), barley (*Hordeum vulgare*), and wheat (*Triticum* spp.). Aids digestion and freshens breath for pets such as cats and rabbits. Sow in 2 containers indoors and allow pets access to only one container at a time. Germinates in 3–7 days. Matures in 10–14 days.

BONUS SEEDS

The following seeds are available for a donation of \$15 or more. Please see the "Selection and Contributions" box on the seed order form for more details.

A *Aesculus flava* (syn. *A. octandra*). Yellow buckeye. Height: 50–80 feet. Spread: 30–50 feet. A broadly conical tree with palmate, glossy, dark green leaves. Bears yellow flowers in conical panicles in late spring followed by smooth skinned fruit. Cold condition seeds or sow outdoors in fall (protect from rodents). Germinates in 30–90 days. Eastern U.S. Zones 3–8, 8–1.

B *Arisaema triphyllum*. Jack-in-the-pulpit. Height: 1–2 feet. A tuberous perennial with distinctive three-part compound leaves. Green or purple hoodlike bracts (spathes) emerge in late spring, followed in autumn by clustered bright red berrylike fruits. Grow in part sun or shade and rich, well-drained soil. Cold condition seeds or sow outdoors in fall. Germinates in 3–12 months. Eastern North America. Zones 4–9, 9–1.

C *Capsicum annuum* 'Golden Treasure'. Sweet pepper cultivar. Height: 2–3 feet. A tasty and

sweet Italian heirloom variety. Oblong, yellow fruits are 8 to 9 inches long and 2 inches at the shoulder. The flesh is medium-thick with tender skin. Start seeds indoors 4–6 weeks before last frost date. Germinates in 1–3 weeks. Matures in 80 days. Mexico. Zones 0–0, 12–1.

D *Carthamus tinctorius*. Safflower. Height: 1–2 feet. An annual with light gray green basal leaves with erect stems. Bears loose corymbs of thistle-like flowerheads from which tasseled tufts of red, orange, and yellow ray florets emerge in summer. Sow seeds outdoors after last frost date. Germinates in 12–18 days. Western Asia. Zones 0–0, 12–3.

E *Cerintho major*. Honeywort. Height: 1–2 feet. A cool-season annual that bears drooping, inch-long, tubular yellow flowers surrounded by large, almost heart-shaped, maroon bracts. Blooms in early to midsummer. Spoon-shaped, bluish-green leaves clasp around the stems. Flowers attract bees and hummingbirds. Grow in part shade in warmer regions. Self sows. Sow seeds indoors in late winter or outdoors in spring after danger of frost. Germinates in 10–15 days. Mediterranean. Zones 0–0, 8–1.

F *Clematis fusca*. Clematis. Height: 3–10 feet. This moderately vigorous climber bears 1-inch, single, nodding, dark purple-brown flowers from early summer to early autumn. Blooms are urn-shaped with 4 slightly recurving sepals and are covered in woolly brown hairs. Sow seeds outdoors in fall. Germinates in 30 days or longer, can be erratic. Northern China, Korea, Mongolia, and eastern Russia. Zones 3–9, 9–1.

G *Corydalis ochroleuca*. Corydalis. Height: 1 foot. A clump-forming evergreen perennial with fernlike, light green foliage. Compact clusters of creamy white flowers with yellow throats and downward curving spurs bloom from late spring through summer. Tolerates part shade. Sow seeds, barely covered, outdoors in fall or cold condition; germination may be erratic. Germinates in 30–90 days. Southeastern Europe. Zones 6–8, 8–6.

H *Glaucidium palmatum*. Glaucidium. Height: 1¹/₂–3 feet. Slow-growing rhizomatous perennial with handsome light-green palmately lobed foliage reminiscent of mayapples. Lavender-pink flowers highlighted by golden yellow stamens bloom in late spring to early summer. Woodland plant that needs part to deep shade, humus-rich soil, and protection from winter winds. Sow seeds in cold frame in early spring; can take 2 years to germinate and 4 years to bloom. Northern Japan. Zones 4–7, 7–3.

I *Heteropterys angustifolia*. Red wing. Height: 12–15 feet. This shrublike vine has yellow flowers followed by showy coral-red winged seeds similar to the samaras of a maple tree. Soak seeds for 24 hours before sowing indoors in late winter. Ger-

minates in 21–42 days. Central and South America. Zones 10–11, 12–8.

J *Lycopersicon lycopersicum* 'Nepal'. Heirloom tomato. Height: 6 feet. Medium-large, globe-shaped, bright red fruit are soft and meaty. Good for fresh use, canning, or sauce. Indeterminate variety. Start seeds indoors 4–6 weeks before last frost. Germinates in 7–14 days. Matures in 78 days. Garden origin. Zones 11, 12–1.

K *Magnolia stellata*. Star magnolia. Height: 10–20 feet. Width: 15 feet. Close-set oval leaves give this deciduous shrub a dense habit. Fragrant, star-shaped, white flowers three inches across are sometimes flushed with pink. Blooms in early spring before leafing out. Thrives in moist, acidic soil in a protected spot. Cold condition seeds then sow outdoors after danger of frost. Germinates in 30–35 days. Japan. Zones 4–9, 9–4.

L *Phaseolus coccineus*. Scarlet runner bean. Height: 8–12 feet. Twining vine has compound, light green leaves and brilliant scarlet, pea-shaped flowers that attract hummingbirds throughout summer. Grow on trellises or other vertical supports. Flat bean pods containing beautifully mottled edible beans develop in late summer. Beans can be picked immature as string beans or fully mature as shell beans. Sow seeds directly in the garden after danger of frost. Germinates in 1–2 weeks. Central America. Zones 0–0, 12–1.

M *Solanum melongena* 'Crescent Moon'. Eggplant cultivar. Height: 3 feet. Erect shrubby plant with green to gray simple leaves. Bears drooping flowers, in late spring followed in summer by a 6- to 7-inch, pure white fruit. Sow seeds outdoors in spring after soil warms. Matures in 60–65 days. Africa, Asia. Zones 0–0, 12–1.

N Prairie Wildflower Mix. Height: 2–4 feet. A mix of American native annuals and perennials including black-eyed Susan (*Rudbeckia hirta*), blanket flower (*Gaillardia pulchella*), blue flax (*Linum perenne*), butterfly weed (*Asclepias tuberosa*), coreopsis (*Coreopsis lanceolata* and *C. tinctoria*), prairie blazing star (*Liatris pycnostachya*), grayhead prairie cone (*Ratibida pinnata*), leadplant (*Amorpha canescens*), partridge pea (*Cassia chamaecrista*), coneflower (*Echinacea pallida* and *E. purpurea*), prairie clover (*Dalea candida* and *D. purpurea*), wild bergamot (*Monarda fistulosa*), perennial lupine (*Lupinus perennis*), and pitcher sage (*Salvia azurea*). Sow in early spring or late fall. Zones vary.