

Spring 2017

Instructors:

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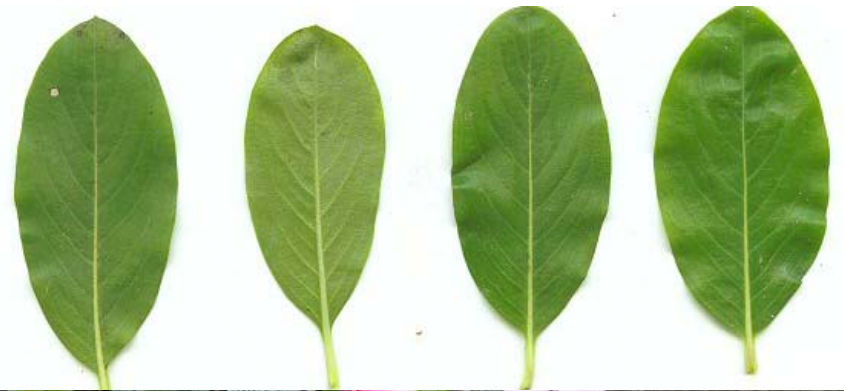
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Annual and Perennial Gardening Lab

Catharanthus roseus (Apocynaceae)
Madagascar Periwinkle



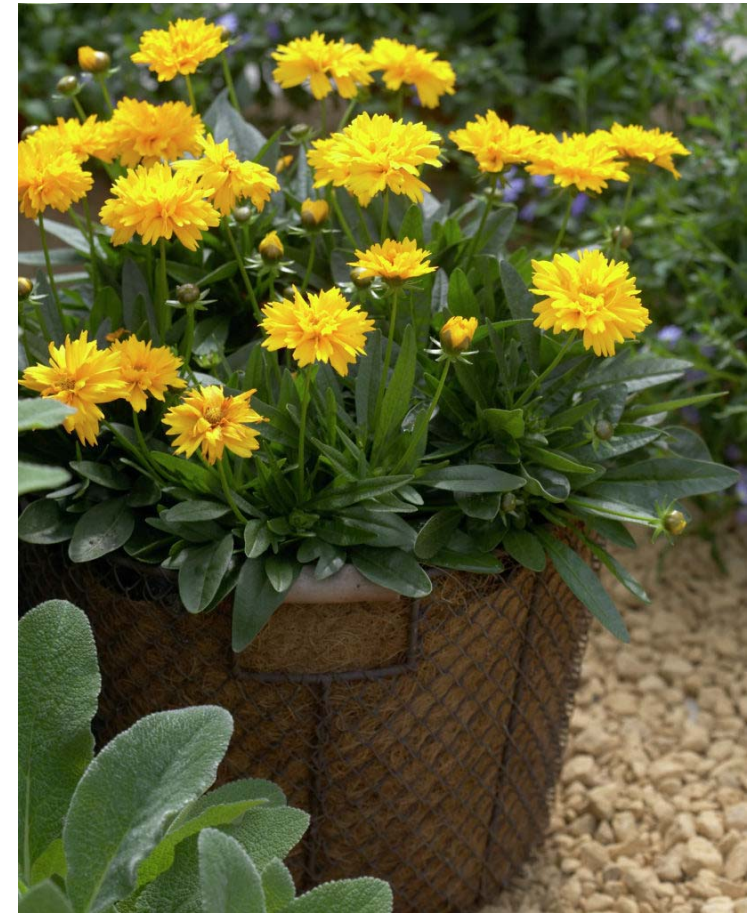
Catharanthus roseus

kath-ur-RANTH-us ROE-zee-us

- Native to Madagascar
- katharos= pure, anthas=a flower
- Roseus=rose colored
- **Leaves:** simple, entire, obtuse apex, glossy
- **Flowers:** tubular with 5 flattened petal-like lobes appearing singly in upper leaf axils; pink, red, lilac and white
- **Form:** loose, 0.5 to 1.5 ' tall
- Type: Herbaceous perennial used as an annual
- Full sun to part shade
- Heat and drought tolerant
- Use: bedding plant
- Heat, drought and salt tolerant
- Reseeds freely
- Formerly known as *Vinca rosea*



Coreopsis grandiflora (Asteraceae)
Largeflower Coreopsis, Tickseed



Coreopsis grandiflora

kor-ee-OP-sis

- Native to southeastern US
- Koris=bug, opsis=like referring to shape of seed
- Grandiflora=large flower
- **Leaves:** spatulate to lanceolate, lower basal leaves are mostly entire while smaller stem leaves are often pinnately lobed
- **Flowers:** yellow, daisy-like with notched rays
- **Form:** clumping to 2' tall
- Type: herbaceous perennial, short lived but reseeding
- USDA Zone 4-9
- Full sun Heat and drought tolerant
- Use: borders, naturalized areas, butterfly gardens
- 'Early Sunrise'-compact cultivar with semi double flowers with yellow rays and darker yellow disks. Comes true from seed.
- 'Rising Sun'-yellow with red at base of petals
- Hybrid crosses of *C. lanceolata* and *C. grandiflora* are available
- Frances, Wilson et al., 2008



Crossandra infundibuliformis (Acanthaceae)
Firecracker Flower



Crossandra infundibuliformis

kros-AN-dra in-fun-di-bew-lee-FORM-is

- Native to southern India, Sri Lanka
- Krossos=a fringe, andros=male, referring to fringed anthers
- Infundibuliformis=funnel or trumpet shaped
- **Leaves:** ovate to lanceolate, shiny
- **Flowers:** salmon, yellow everblooming in terminal racemes
- **Form:** erect reaching 3'
- Type: Broadleaf evergreen
- Winter hardy to zone 10-11
- Full sun to part shade
- Heat tolerant
- Use: landscape settings
- Requires supplemental fertilizer to maintain leaf color



UF UNIVERSITY of FLORIDA
IFAS Extension
LEE COUNTY
SOUTHWEST FLORIDA

Late June

Echinacea purpurea (Asteraceae)
Coneflower, Purple Coneflower



Echinacea purpurea
ek-in-AY-shee-a pur-PUR-ee-uh

- Native to central to southeastern U.S.
- Echinus=hedgehog, referring to prickly receptacle scales
- Purpurea=purple
- **Leaves:** coarse, ovate to broad-lanceolate
- **Flowers:** daisy-like, need deadheading,
- **Form:** clumping to 3-4' tall
- Type: herbaceous perennial
- USDA Zone 3-8
- Full sun to part shade
- Drought tolerant, tolerant of poor soils
- Use: border, meadow, naturalized areas; fresh and dried flowers
- 'Kim's Knee High'- compact version with long bloom time (PP 2001)
- 'White Swan'-white flowers
- Susceptible to Japanese beetle and leaf spot





Gaillardia ×grandiflora (Asteraceae)
Blanketflower



Gaillardia ×grandiflora

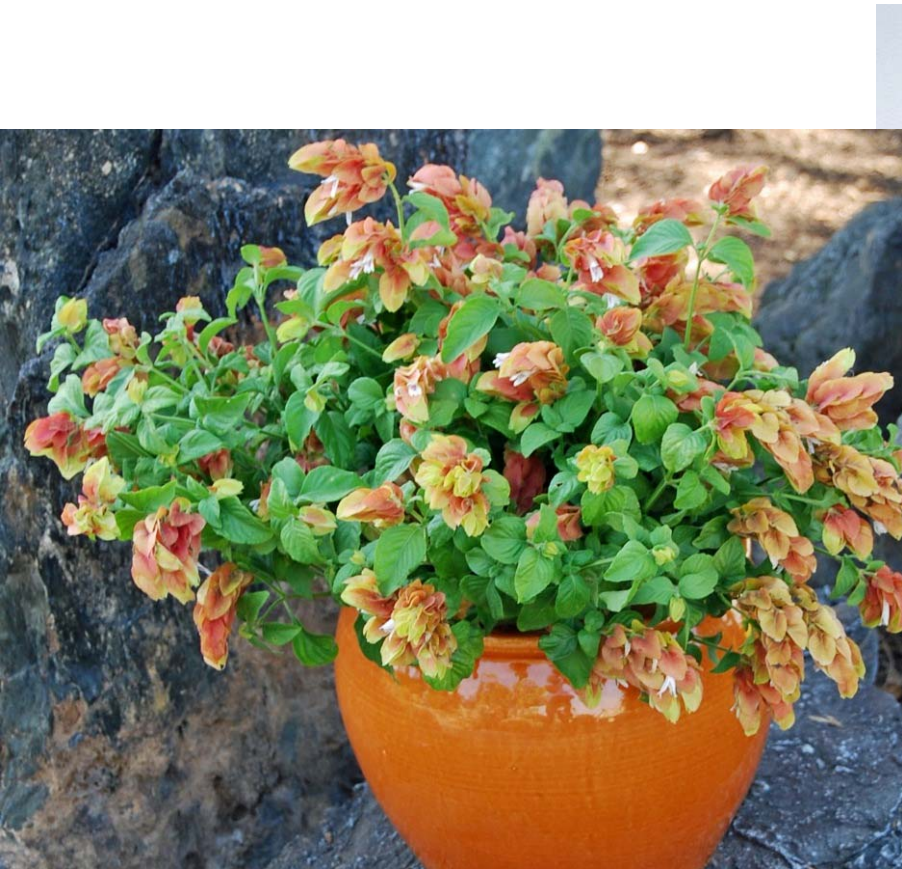
gay-LAR-dee-uh gran-dih-FLOR-uh



- Tetraploid hybrid arose in cultivation in Belgium
- Genus honors Gaillard de Charentonneau, a French magistrate and patron of botany
- Grandiflora=large-flowered
- **Leaves:** surface with hirsute hairs, punctate-dotted, loved with tapered, winged petiole
- **Flowers:** daisy-like, solitary on peduncles; yellow, orange, red with maroon to orange banding at petal bases, notched tips to petals;
- **Form:** erect branching to 3' tall
- Tetraploid hybrid (*G. aristata* x *G. pulchella*). Breeds true.
- Type: short lived herbaceous perennial used as an annual
- Cold hardiness Zone 3-10
- Full sun, heat, drought and salt tolerant
- Use: Butterfly gardens, mixed perennial and annual landscapes, natural settings, cut flowers
- Prefers well drained soils
- Double flowered and dwarf selections
- Mesa series: bright bi-color, peach, yellow
- *G. aristata* 'Burgundy', *G. aristata* 'Arizona Red Shades'
- Hammond, Wilson et al., 2007a, 2007b, 2005)



Justicia brandegeana (Acanthaceae)
Shrimp Plant



Justicia brandegeana

jus-TEE-see-ah bran-deh-GEE-aye-nuh

- Native to Mexico
- In honor of James Justice, a Scottish botanist
- Brandegee (1843-1925) was a civil engineer and plantsman
- **Leaves:** oval
- Stems: weak
- **Flowers:** white appearing inside red, yellow or lime green bracts, seasonal bloomer
- **Form:** erect, sprawling to 3' tall
- Type: perennial
- Winter hardy to USDA Zone 9-11, roots surviving in Zone 8
- Full sun to part shade
- Heat and drought tolerant
- Use:
 - Seeds freely
 - Prune to regain shape
 - 'Fruit Cocktail'-red flowers, lime bracts; 'Yellow Queen', 'Red'



Justicia carnea (Acanthaceae)
Jacobinia, Brazilian Plume Flower



Justicia carnea

jus-TEE-see-ah KAR-nee-uh

- Native to South America
- After James Justice, Scottish botanist
- carnea=flesh colored
- **Leaves:** simple, opposite, elliptic, pinnate venation
- **Flowers:** plumes of tubular flower clusters in rose, red, yellow, orange, apricot or white
- **Form:** upright, 3-7' tall
- Type: perennial
- USDA zone 8b-11
- Full sun to part shade
- Heat tolerant
- Use: foundation or mass plantings, containers
- Responds well to pruning, flowers form on new growth



Lysimachia congestiflora (Primulaceae)
Creeping Jenny, Moneywort



Lysimachia congestiflora

ly-se-MAK-ee-uh con-gess-Tl-flor-ah

- Native to China
- Genus honors King Lysimachus, Macedonian King of Thrace
- Lysimacheios- ancient Greek name of a plant in this grouping
- Congestus=congested, flos=flower, referring to the flower clusters
- **Leaves:** opposite to whorled, ovate to broad-ovate
- **Flowers:** cup shaped, yellow
- **Form:** prostrate, mat-forming
- Type: herbaceous perennial
- Winter hardy to USDA Zone 7-9
- Full sun to part shade
- Heat and drought tolerant
- Use: ground cover, containers, baskets, rock gardens
- Variegated forms
- *L. congestiflora* 'Chocolate Sunshine' and 'Persian Chocolate'
- *L. nummularia* 'Aurea'



Rudbeckia fulgida sulivantii 'Goldsturm' (Asteraceae)
Goldsturm Gloriosa Daisy, Goldsturm Black-eyed
Susan, Orange Coneflower



Rudbeckia fulgida sullivantii 'Goldsturm'

- Developed in Germany
- Named after Olof Rudbeck
- Fulgida=shining
- Goldsturm= Gold storm
- **Leaves:** hirsute, oblong to lanceolate
- **Flowers:** daisy-like with yellow rays and dark brownish-black disk flowers
- **Form:** upright, rhizomatous, clumping to 3' tall
- Type: herbaceous perennial
- Cold hardy to Zone 3
- Full sun, heat and drought tolerant
- Use: perennial border, meadow gardens, cut flowers, butterfly gardens
- Do not come true from seed
- Susceptible to leaf spot and powdery mildew
- Use vegetatively propagated sources to ensure true to type



Viola ×wittrockiana (Violaceae)
Pansy



Viola ×wittrockiana



- Fl hybrids from *V. tricolor*, *V. lutea*, *V. altaica*, and *V. cornuta*
- Viola=violet
- Professor VeitBrecher Wittrock, author
- **Leaves:** ovate to elliptic
- **Flowers:** 5 rounded petals of blue, purple, red, rose, yellow, white and bicolors
- **Form:** compact to 8" tall
- Type: cool season
- USDA zone 6-10
- Full sun to part shade
- Use: bedding plants, edging, containers
- *Viola cornuta*- smaller leaves and flowers
- Slugs favor the foliage
- Petals are edible





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<http://hort.ifas.ufl.edu/courses/ap/>