Annuals and Perennials

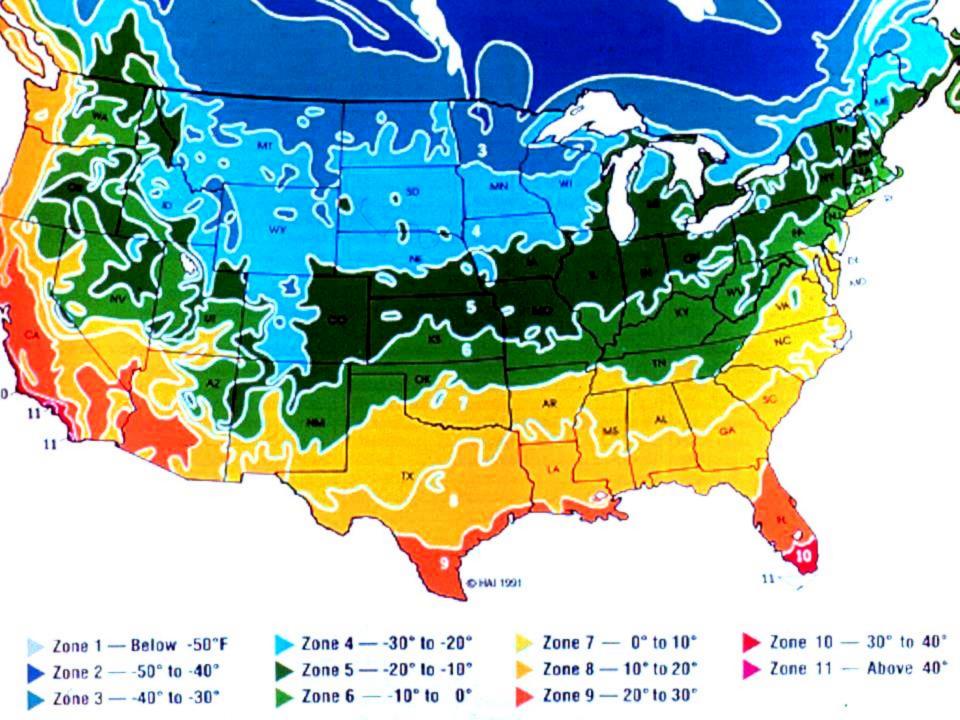
Janet B. Carson

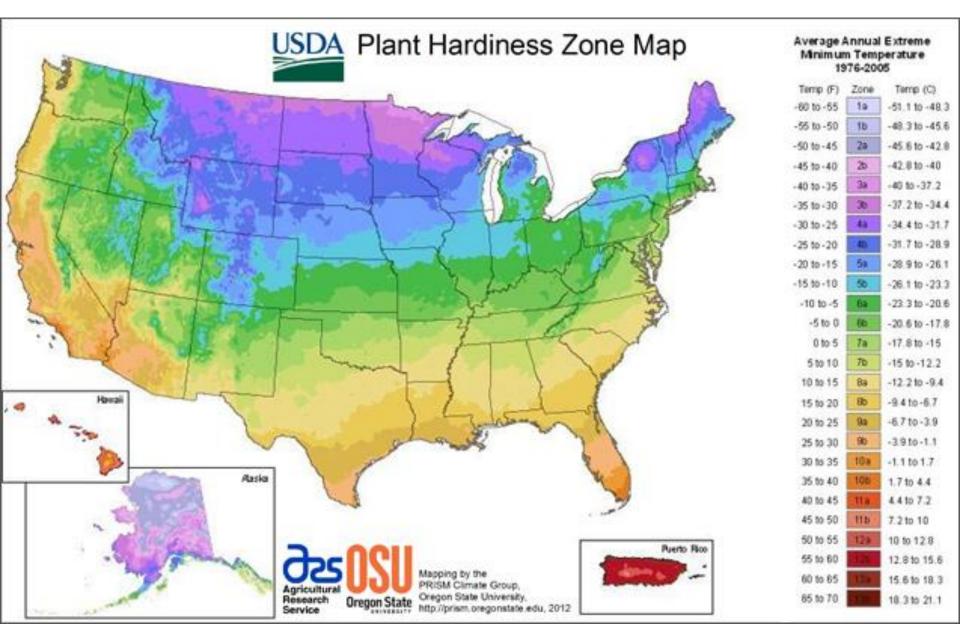


RESEARCH & EXTENSION

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Annuals

Annuals are plants that complete their life cycle in one season.

There are cool season annuals planted Sept – December



Warm season annuals planted April - June





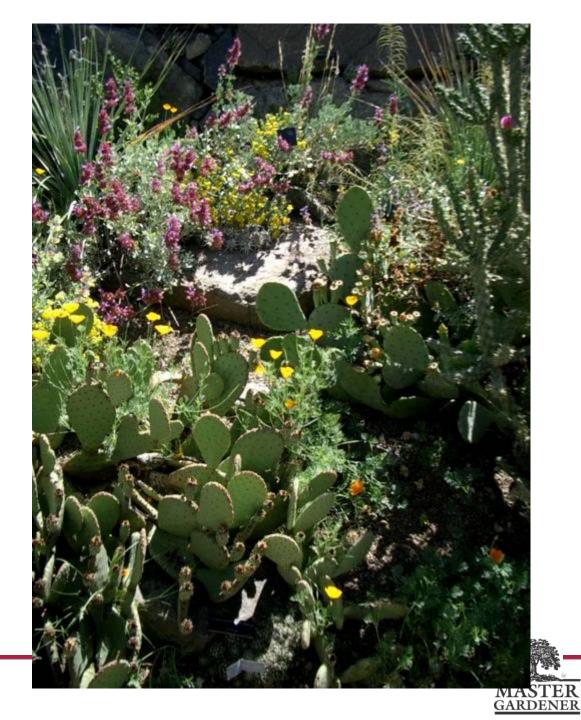






Match conditions

- Wet/dry
- Sun/shade





Think seasonality







Landscape fabric



Mulch







Weed early and often







Warm Season Annuals

- Plant after the danger of frost is past in south Arkansas after April 1, in central Arkansas after April 10 and April 20 in north Arkansas
- Space plants 12 to 18 inches apart
- Fertilize at planting, and periodically throughout season.
- Water as needed.





Annuals for the summer sun – 6 hours or more

Angelonia – Summer Snapdragon









Calibrachoa – Million Bells

- Similar to petunia
 - Smaller blooms
 - In protected spots it may overwinter.









Periwinkle or Annual Vinca Catharanthus

Loves the heat

VISION OF AC

- Glossy green foliage
- self-cleaning flowers.
- Stem canker problems more common with overhead watering.





'Cooler Series' Periwinkle

Celosia

Plumed Cockscomb



mb Crested Cockscomb



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Cuphea

BAT FACED CUPHEA

FLAMENCO









Ipomea batas 'Marguerite' and 'Blackie' Sweet Potato Vine

Lantana

- Loves the heat of summer; tolerates drought
- Used as an annual
- May overwinter
- 'New Gold' self cleaning



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Melampodium

- 1999 Arkansas Select winner
- Loves heat a Texas native wildflower
- Self cleaning
- Depending on variety grows 8 to 18 inches tall











Petunias







Wave petunias are heavy feeders, so fertilize at least monthly to keep them blooming

Garden Zinnia

- Full sun plant that is mainly grown from seeds planted directly in the garden
- Can bloom in 5 weeks from seed
- Powdery mildew is a major disease problem.







Z. elegans x Z. angustifolia (Profusion series)

Zahara Zinnias

Starlight Rose











Flowers for the Shade Garden

- Grows best
 in shade but
 will take full
 sun
- Slow from seed so must be grown as a transplant
- Flowers in pink, red or white
- Pest free

Wax Begonia







Dragonwing Begonia



Caladiums



Coleus

Henna



Versa Lime









Impatiens

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New Guinea











Fanfare Impatien







Impatien Fusion Series



Torenia – Wishbone Plant









Cool Season Annuals

Dianthus









Ornamental Kale/Cabbage plant in September for best show, or buy large plants

Peacock Flowering Kale



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Mustard Giant Red







• Pansy





Violas

- Tend to take heat better than pansies.
- Can be planted earlier in the season and last longer.













Snapdragon (Antirrhinum majus)

- Winter annual in zone 7 and south
- Used as a cut flower
- Usually will not make it through our hot summers and remain in bloom







Swiss Chard

'Bright Lights'









Herbaceous Perennials

- Most perennials are non-woody.
- Perennials have a season of dormancy.
- They have a season of blooms.
 - Bloom length can vary from 2 weeks to 4 months







Correct Perennial Planting is Critical for Success

- Plant in well drained soil
- Soil pH of 6 6.5 best
- Space most plants on 2' centers
- Avoid planting too deep
- Divide when plants become crowded -usually every 3 to 5 years







Dividing Perennials

- Divide spring bloomers in the fall
- Divide fall bloomers in
- the spring
- Summer bloomers can be divided spring or fall.







Maintenance of perennials

- Water
- Fertilization needs vary
- Staking
- Deadheading



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Perennial staking









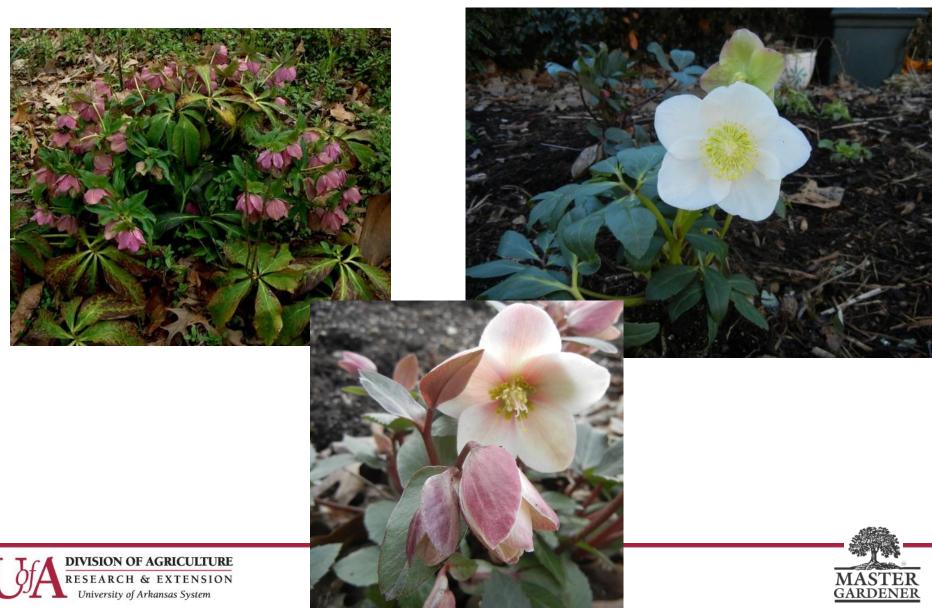


Shade Perennials





Lenten Rose (Helleborus orientalis)



Bleeding Heart (Dicentra spectabilis)





Foxglove Digitalis purpurea



Ferns







Holly Fern





Japanese Painted Fern







Need H. villosa in the parentage





'Peach Flambe'



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Celandine Poppy (*Stylophorum diphyllum*)





Hosta – Great Expectations















Solomon's Seal *Polygonatum odoratum* 'Variegatum'







Perennial Begonias-Begonia grandis









Toadlily (Tricrytis hirta) blooms in October

Sun Perennials







Peony (Paeonia)



- Hundreds of selections
- Colors of red, white and pink
- Often live for 100 plus years
- Good soil preparation allows for earlier blooming
- Good cut flower







Candytuft (Iberis sempervirens)

Homestead Purple

Verbena



Hardy Hibiscus





Hibiscus moscheutos

Hibiscus coccineus 'Eruption'





Echinacea – Purple Coneflower



Sunrise





Magnus



'Summer Sky'





'Sundown'





Daylily *Hemerocallis sp*.





Aesclepias tuberosa – Butterfly Weed







Black Eyed Susan (*Rudbeckia sp.*)

Goldsturm





'Prairie Sun'

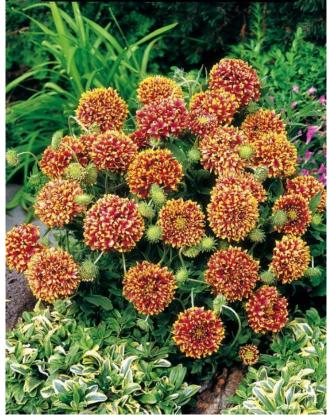


Gaillardia – Blanket Flower

Arizona Sun



Sundance Bicolor

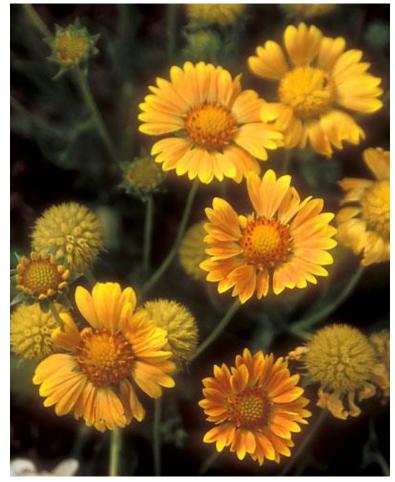






Gaillardia





'Oranges and Lemons'





Joe Pye Weed – 'Little Joe' Eupatorium fistulosum







Salvia

Salvia guaranitica

'Black and Blue'



Salvia greggii









Salvia leucantha Mexican bush sage



Ornamental Grasses

Miscanthus





Hakonechloa

Japanese Forest Grass



Feather Reed Grass Calamagrostis x acutiflora









Mixed Border





