

Annuals for
Part Shade to Full
Sun
Part II



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Lecture Note Series



Dianthus *chinensis*

- Family:

Caryophyllaceae

- Common: Annual

**Pinks, China pinks,
Carnation**



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Dianthus chinensis

- **Size:** 6-12" tall by 12" wide
- **Space:** 6" smaller, 12" taller
- **Habit:** dense mounded
- **Hardy** – Annual – hardy
- **Light:** Full sun to part shade
- **Soil:** Moist, well-



Dianthus chinensis

- **Bloom:** summer through fall
 - some cultivars heat stall
- **Flower:** red, pink, white, bicolor
- **Added Benefits:**
Cutflower, fragrant (some), butterflies



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Dianthus chinensis

- **Pests:** crown rot (in poorly drained soils), rust
- **Combination:** other annuals, perennials
- **Uses:** Containers, bedding (cool areas), rock garden, edging,

direct seed outdoors in
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Dianthus chinensis

- **Cultivars:**
 - **Telstar series - compact, heat tolerance (D. barbatus x chinensis)**
 - **Carpet - 6-8" compact**
 - **Queen of Hearts - 12-15" compact 1972 AAS winner**
 - **Parfait - compact, single frilled flowers**
 - **Can Can Scarlet - double, fragrant, 14"**



Dianthus chinensis

- **Notes:**

- **Dianthus caryophyllus**

- Scarlette Luminette 1982 AAS Winner

- **Dianthus barbatus - Sweet William**

- **Prefer cool conditions - plant with east location, mulch...**

- **May overwinter**

- **Dianthus = divine flower**

- **Pinks = pinking shears**

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- **Native - Eastern Asia**



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Catharanthus

roseus

(Vinca rosea)

- **Family: Apocynaceae**
- **Common: Annual**

**Vinca, Madagascar or
Rose Periwinkle**



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Catharanthus roseus

- **Size:** 8 - 18" tall by 8-12"
- **Space:** 8-12" apart
- **Habit** - prostrate (3-4" spreading), upright mounded
- **Hardy** - Annual - tender
- **Light:** Full to part sun



• **Soil:** well-drained, NOT www.melindamyers.com horticulture expert, author & columnist, tv & radio personality



Catharanthus roseus

- **Bloom: Summer to frost**
- **Flowers: white, pink, rose, red, rose-purple, bicolor**
- **Added Benefits:**
Butterflies, sub for
impatiens in full sun
and dry, drought & shade
tolerance





Catharanthus roseus

- **Pests:** Usually none, rot in excessively wet soils
- **Combinations:** with dusty miller, other annuals, intermixed with perennials
- **Uses:** container, edging, bedding



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Catharanthus roseus

- **Cultivars:**
- **Pretty in Pink and Pretty in Rose - '91 AAS winners, early bloomers**
- **Parasol-6-8" vigorous upright w/ red eye - 1991 AAS winner**
- **Cooler series - compact and branching**
- **Jaio Scarlet Eye - vibrant scarlet-rose with white eye**



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- **Jaio Dark Red - dark red with**



Catharanthus roseus

- **Notes :**
 - **Good heat and drought tolerance**
 - **Need well-drained soils**
 - **Overwinter indoors & flowers**
- **Native: Madagascar & India**



***Cordyline* species**

- **Family: Agavaceae**
- **(formerly Liliaceae)**
- **Common: Spike,
Dracaena**



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Cordyline species (Spike)

- **Size:** 24" tall by 15" wide
- **Space:** singly in planter or 12-15" apart planted en masses
- **Habit:** Upright
- **Hardy:** Annual (10-11) - half-hardy
 - tolerates temps down to 40
- **Light:** Full to part sun



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Cordyline species (Spike)

- **Bloom: Grown for foliage**
- **Flowers: usually doesn't**
–
- **Added Benefits**
 - **vertical accent**
 - **overused - consider alternative**
 - **overwinter indoors for**



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larger plants



Cordyline species (Spike)

- **Pests: None, brown tips from excessively dry soils and chemicals in water**
- **Combination: Traditional Wisconsin container, annuals**
- **Uses: Containers and vertical accents**



Cordyline species (Spike)

- **Cultivars :**
- **Cordyline 'Baueri' - broad, burgundy-red foliage (white fragrant flowers) Zones 9-11**
- **from Monrovia**
- **Phormium is tropical substitute for spike**



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Cordyline species (Spike)

- **Notes:**
 - **Difference from Dracaena (more ovules)**
 - **Very WI tradition**
 - **Use expanding Nationwide**
 - **Overwinter like houseplant**
- **Native: India, Pacific Islands, New Zealand,**





Eus t o m a
g r a n d i f l o r u m
(L i s i a n t h i u s
r u s s e l l i a n u s)

- **Family: Gentianaceae**

- **Common: Prairie**

Gentian

Lisianthus



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Eustoma grandiflorum

- **Size:** 6-30" tall by 6-12" wide
 - tall cultivars need staking
- **Space:** 6" (dwarf) to 10" (tall)
- **Habit:** upright
- **Hardy:** Annual - half-hardy
- really biennial treated as an annual



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- **Light:** Part to full sun

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Eustoma grandiflorum

- **Bloom: summer to frost**
 - needs warm temps to flower
- **Flowers - white, pink, red, blue to lavender, yellow, bicolors - single and doubles**
- **Added benefits**
 - long lasting cutflowers, blue-green foliage, butterflies



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Eustoma grandiflorum

- **Pests - Botrytis blight, rot in wet soils**
- **Combinations: alyssum, other annuals and perennials**
- **Uses: container, cutting garden, edging (dwarfs), en masse, accent**



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Eustoma grandiflorum

• **Cultivars**

- **Lisa series - 8" compact - no staking**
- **Mermaid series - 6"**
- **Heidi series - 18"**
- **Yodel - 16 to 18"**
- **Forever Blue and Forever White**
- **freely branched**
- **Echo series, double flowers, 18"**



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Eustoma grandiflorum

- **Notes:**
 - **Hard to find - plan before designing**
 - **Slow to germinate and grow**
 - **Best in hot dry weather & locations**
 - **Staking and deadheading for disease**
- **Native - moist prairies of Canada and Southern U.S. and Northern South America**



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Antirrhinum majus

- **Family:**
Scrophulariaceae
- **Common:** **Snapdragon**



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Antirrhinum majus

- **Size:** 6-48" tall (Taller ones need staking)
- **Space:** 6" small, 8" medium, 10-12" tall
- **Habit:** small mounded to upright
- **Hardy:** Annual -Hardy
- (tender perennial)
- **Light:** part to full sun



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• **Soils:** moist, well-drained



Antirrhinum majus

- **Bloom:** summer to frost
 - needs deadheading
 - heat stall
- **Flowers:** white, yellow, bronze, purple, pink, red
- **Added benefits:** tolerate light frost, self seed (tender perennial), cut,



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Attracts birds, butterflies,



Antirrhinum majus

- **Pests:** Aphids, mites, rust
- **Combinations:**
Individuals mixed with perennials, other annuals
- **Use:** Cut flower, border, bedding, edging, **container**



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Antirrhinum majus

- **Cultivars**
- **Floral Carpet & Floral Showers** are dwarf (6-8"), **Bells** (8-10" and heat tol), **Chimes** and **Montego** (6-10")
- **Sonnet series**- (22") cut, free flowering, wet tolerant and no staking
- **Rocket** - heat tolerance
- **Butterfly strain** - like azalea (**Peloric**), tall **Madame Butterfly**- 170 AAS



Antirrhinum majus

- **Notes :**

- **frost tolerant**

- **may overwinter or self-seed**

- **Select for heat tolerance and self supporting**

- **Harvest for longer vase life**

- **Native: Mediterranean**



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Bedding Dahlia

(*D. pinnata* or cross w/
D. coccinea)

- **Family: Asteraceae**
- **Common: Bedding,
Seed or Annual
Dahlia**



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Annual Dahlia

- **Size:** 12 to 24" tall and wide
- **Space:** 8 to 12" apart
- **Habit:** Mounded
- **Hardy:** Grown as annuals-tender
- **can save tuber (zone 8 outdoors)**
- **Light:** Part to full sun
- **Soil:** Moist well-drained
(organic)



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Annual Dahlia

- **Bloom: summer (not as heat tolerant)**
- **Flowers - yellows, reds, oranges, purple, pink**
- **Added Benefit:**
 - **cheaper than tuberous grown from seed**
 - **butterflies**
 - **Cut flower**



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Annual Dahlia (seed)

- **Pests:** aphids, mites, stem borers, earwigs, thrips, impatiens necrotic spot, mildew
- **Combinations:** other annuals, mixed with perennials, Redskin, Blackie and Alaska nasturtium



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Annual Dahlia (seed)

- **Cultivars**

- Sunny Yellow - 18-20" tall & wide
- Unwin's Dwarf - double, minis (24"), range of colors, 2 tones
- Redskin- mini flowers (r, p, o) w/ bronze foliage (18-24" tall & wide)
- Coltness Gem -mini flowers, zoned w/ 2 colors, 18" tall & wide



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• **Diablo - dark lves, double**
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Annual Dahlia (seed)

- **Notes:**
 - **Availability may be limited**
 - **Lack uniformity and reliability**
 - **not as heat tolerant as tuberous root types**
- **Native: hybrid (Mexico)**



Nicotiana alata

- Family: Solanaceae
- Common: Flowering or Ornamental Tobacco



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Nicotiana glauca

- **Size:** 8 - 60" tall by 6 - 24"
- **Space:** 8 to 12" apart
- **Habit:** rounded to upright
- **Hardiness:** Annual - half-hardy
 - **Re-seeds**, often reverts to

species



Nicotiana alata

- **Bloom:** summer to fall
- **Flowers:** white, lime green, yellow, red, pink, lavender
- **Added Benefits:** fragrant (night) cutflower, butterflies, hummingbirds, free flowering



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Nicotiana alata

- **Pests:** Few problems, tobacco mosaic virus, hornworm, potato & flea beetle
- **Combinations:** other annuals, planter boxes for vertical accent
- **Uses:** border, bedding,

containers, cut flowers,
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Nicotiana alata

- **Cultivars:**
 - **Nicki series** - 16-18" **fragrant**
 - **N. 'Domino' & 'Havanna'** - 12"
 - **Hummingbird Series** 12"
 - **Perfume Series** - **very fragrant**
16 to 20"
 - **Deep Purple** -2006 **AAS Gold Medal Winner**
 - **Avalon Pink** - **bright pink flowers, 10"**
 - **N. langsdorffii** - 5', **apple green**
 - **N. sylvestris** - 5ft , **long tubular, small faced flowers,**



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Nicotiana alata

- **Notes:**
 - **reseeds readily**
 - **fragrance varies with cultivar**
 - **"butterfly plant"**
 - **don't eat - poisonous juice in leaves**
- **Native: Brazil**



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Cleome hassleriana

(*Cleome hassleriana* or
C. spinosa or *C. pungens*)

- **Family: Capparaceae
(Capparidaceae)**
- **Common: Cleome,
Spider Cleome,
Spider Flower**



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Cleome hasselrana

- **Size:** 3-4' by 18-24" wide
- **Space:** 24" or more apart
- **Habit:** Large, upright, shrub-like
- **Hardy:** Annual (reseeds) - half-hardy
- **Light:** part to full sun
- **Soil:** prefer moist (more moisture - taller plant)



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Cleome hasselrana

- Bloom- Summer to fall
- Flowers - white, pink, rose, purple
- Added Benefit: Big plant for temporary shrub, low maintenance, cut, butterflies, Hummingbirds, musky fragrance (odor?)



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Cleome hasselrana

- **Pests - none serious**
- **Combinations - cannas, fountain grass**
- **Uses - cut, background, vertical accent, temporary shrub**



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Cleome hasselrana

- **Cultivars:**

- **Queen series - 4' tall, large flowers, all colors**
- **Helen Campbell - white flowers**
- **Sparkler Blush- AAS - compact (3') pink flowers mature to white**
- **Sparkler Rose - rosy-red**





Cleome hasselrana

- **Notes :**
 - **leaves have spines**
 - **musky smell at night**
 - **drought and heat tolerant**
 - **reseeds (weed?)**
- **Native: Brazil & Argentina**



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