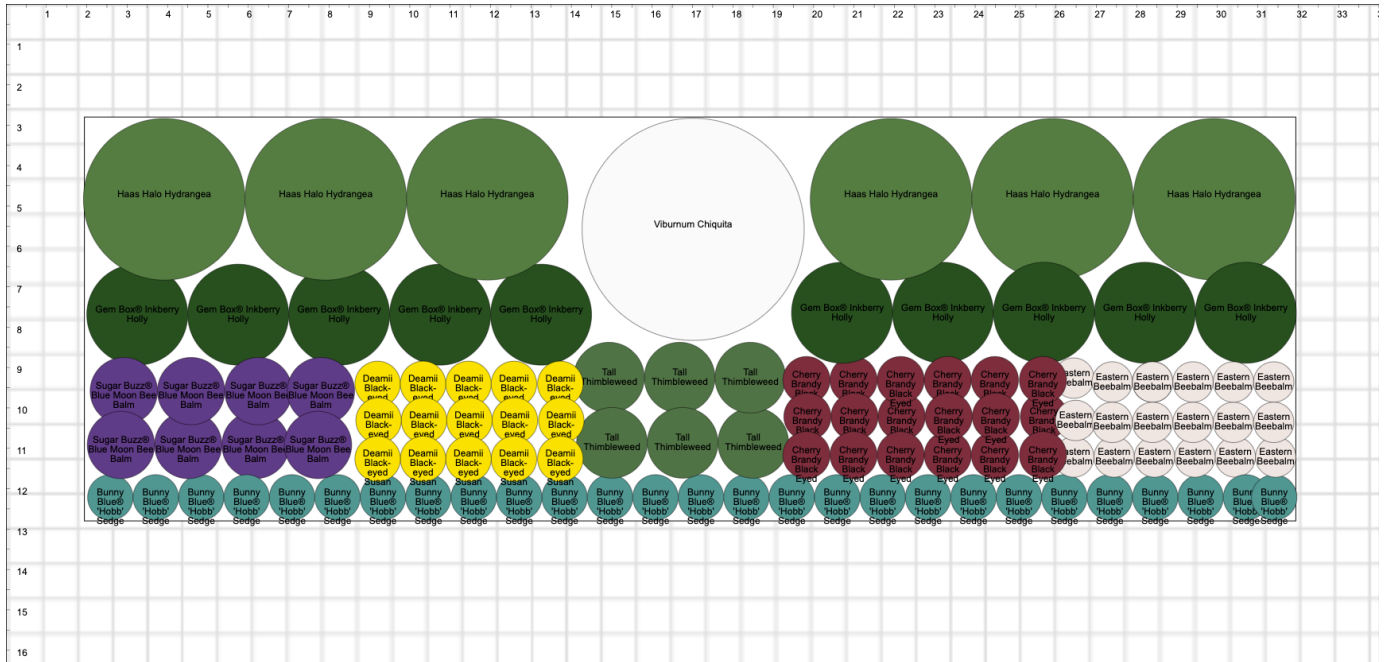


Part-Shade Summer Garden Plan










30.0' x 10.0'



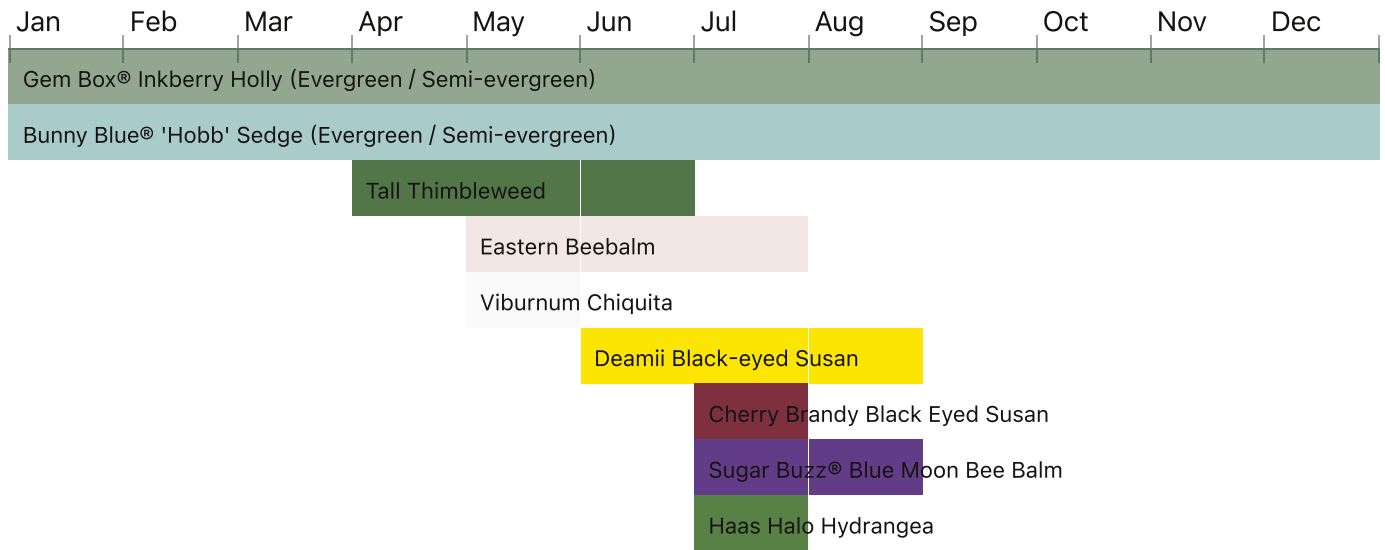
Garden Details

Garden Name	Part-Shade Summer Garden
Garden Dimensions	30.0' x 10.0'
Total Plants	110
Total Different Species	9
Min Height	10"
Max Height	6.0'

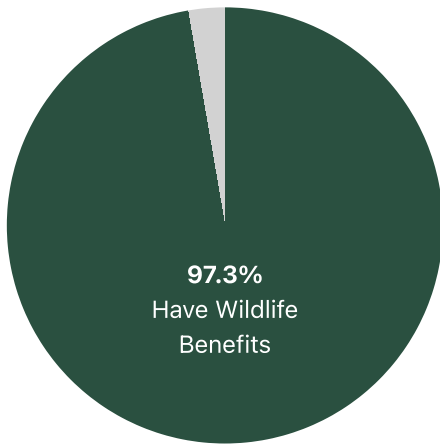
Plant List

Image	Name	Width	Height	Quantity
	Tall Thimbleweed <i>Anemone virginiana</i>	1.5' - 2.0'	1.0' - 2.0'	6
	Eastern Beebalm <i>Monarda bradburiana</i>	1.0' - 1.0'	1.0' - 2.0'	19
	Deamii Black-eyed Susan <i>Rudbeckia fulgida var. Deamii</i>	1.0' - 1.3'	2.0' - 2.5'	15
	Viburnum Chiquita <i>Viburnum sargentii 'Chiquita'</i>	5.0' - 6.0'	4.0' - 6.0'	1
	Gem Box® Inkberry Holly <i>Ilex glabra 'SMNIGAB17'</i>	2.0' - 3.0'	2.0' - 3.0'	10
	Bunny Blue® 'Hobb' Sedge <i>Carex laxiculmis 'Bunny Blue® 'Hobb'</i>	1.0' - 1.3'	10" - 1.0'	27
	Cherry Brandy Black Eyed Susan <i>Rudbeckia hirta Cherry Brandy</i>	1.0' - 1.3'	1.5' - 2.0'	18
	Sugar Buzz® Blue Moon Bee Balm <i>Monarda Sugar Buzz®; 'Blue Moon' PP29549</i>	1.5' - 1.8'	1.7' - 1.7'	8
	Haas Halo Hydrangea <i>Hydrangea arborescens Haas Halo PP#24783</i>	3.0' - 5.0'	4.0' - 5.0'	6

Bloom Time



Biodiversity Impact



- Sq ft area of plants with wildlife benefits (291.8 ft²)
- Sq ft area of plants without wildlife benefits (8.2 ft²)



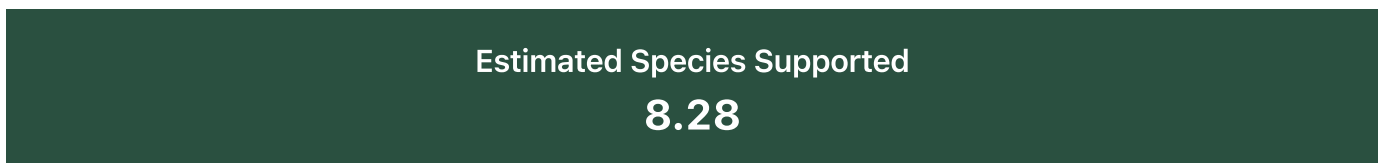
Area Coverage of Wildlife Benefits

- Pollinator Friendly
- Food for Birds
- Attracts Hummingbirds

The estimated number of species your garden can support is based on the **species–area relationship**, an ecological principle that describes how biodiversity increases with available habitat. The model follows the equation:

$$S_{total} = c_1 A_{native}^z + c_2 A_{pollinator}^z$$

where A is garden area (ft²), c_1 is baseline species richness for native plants, c_2 is baseline species richness for pollinator-friendly plants, and z is scaling exponent (0.25 as is common in ecological studies)



Tall Thimbleweed *Anemone virginiana*



Quantity	6
Width	1.5' - 2.0'
Height	1.0' - 2.0'
Light Requirements	Full sun, Part sun, Part shade
Soil Moistures	Dry, Moist
Soil Phs	
Soil Compositions	Rich, Average, Loam, Clay, Sand
Bloom Time	4, 5, 6

Bloom Colors	White
Features	Deer resistant
Growth Behaviors	Drought tolerant, Fast spreading
Seasonal Interests	Fall interest
Wildlife Benefits	Good for pollinators
Hardiness Zones	3, 4, 5, 6, 7, 8
Native Range (US States)	AL, AR, CT, DC, DE, GA, IA, IL, IN, KS, KY, MA, MD, ME, MI, MN, MO, MS, NC, ND, NE, NH, NJ, NY, OH, OK, PA, RI, SC, SD, TN, VA, VT, WI, WV, CO, LA, WY

Eastern Beebalm *Monarda bradburiana*



Quantity	19
Width	1.0' - 1.0'
Height	1.0' - 2.0'
Light Requirements	Full sun, Part sun, Part shade
Soil Moistures	Dry, Moist
Soil Phs	
Soil Compositions	Average, Poor, Sand, Gravel / rock
Bloom Time	5, 6, 7

Bloom Colors	Pink
Features	Cut flowers, Deer resistant
Growth Behaviors	
Seasonal Interests	
Wildlife Benefits	Attracts hummingbirds, Good for pollinators
Hardiness Zones	4, 5, 6, 7, 8
Native Range (US States)	AL, AR, IA, IL, IN, KS, KY, MO, OK, TN, LA, TX, MD

Deamii Black-eyed Susan *Rudbeckia fulgida* var.

Deamii



Quantity	15
Width	1.0' - 1.3'
Height	2.0' - 2.5'
Light Requirements	Full sun, Part sun, Part shade
Soil Moistures	
Soil Phs	
Soil Compositions	
Bloom Time	6, 7, 8

Bloom Colors	Yellow
Features	Cut flowers, Deer resistant
Growth Behaviors	Drought tolerant
Seasonal Interests	Evergreen / semi-evergreen, Winter interest
Wildlife Benefits	Food for birds, Good for pollinators
Hardiness Zones	4, 5, 6, 7, 8
Native Range (US States)	IL, IN, OH

Viburnum Chiquita *Viburnum sargentii* 'Chiquita'



Quantity	1
Width	5.0' - 6.0'
Height	4.0' - 6.0'
Light Requirements	Full sun, Part sun, Part shade
Soil Moistures	
Soil Phs	
Soil Compositions	
Bloom Time	5

Bloom Colors	White
Features	Deer resistant
Growth Behaviors	
Seasonal Interests	Winter interest
Wildlife Benefits	Food for birds, Good for pollinators
Hardiness Zones	4, 5, 6, 7
Native Range (US States)	TN

Gem Box® Inkberry Holly *Ilex glabra* 'SMNIGAB17'



Quantity	10
Width	2.0' - 3.0'
Height	2.0' - 3.0'
Light Requirements	Part sun, Part shade
Soil Moistures	Moist
Soil Phs	
Soil Compositions	
Bloom Time	

Bloom Colors	White
Features	Deer resistant
Growth Behaviors	Berries or fruit
Seasonal Interests	Evergreen / semi-evergreen
Wildlife Benefits	Good for pollinators
Hardiness Zones	5, 6, 7, 8, 9
Native Range (US States)	AL, CT, DE, FL, GA, LA, MA, MD, ME, MS, NC, NJ, NY, PA, RI, SC, TX, VA

Bunny Blue® 'Hobb' Sedge *Carex laxiculmis* 'Bunny Blue® 'Hobb'



Quantity	27
Width	1.0' - 1.3'
Height	10" - 1.0'
Light Requirements	Part sun, Part shade
Soil Moistures	Wet
Soil Phs	
Soil Compositions	
Bloom Time	

Bloom Colors

Features Deer resistant, Striking foliage

Growth Behaviors

Seasonal Interests Evergreen / semi-evergreen

Wildlife Benefits

Hardiness Zones 5, 6, 7, 8, 9

Native Range (US States)

Cherry Brandy Black Eyed Susan *Rudbeckia hirta*

Cherry Brandy



Quantity	18
Width	1.0' - 1.3'
Height	1.5' - 2.0'
Light Requirements	Full sun, Part sun, Part shade
Soil Moistures	Moist, Wet
Soil Phs	
Soil Compositions	
Bloom Time	7

Bloom Colors Red

Features Cut flowers

Growth Behaviors

Seasonal Interests

Wildlife Benefits Good for pollinators, Food for birds

Hardiness Zones 5, 6, 7, 8

Native Range (US States) AL, AR, CA, CO, CT, DC, DE, FL, GA, IA, ID, IL, IN, KS, KY, LA, MA, MD, ME, MI, MN, MO, MS, NC, ND, NE, NH, NJ, NM, NY, OH, OK, OR, PA, RI, SC, SD, TN, TX, UT, VA, VT, WA, WI, WV, WY, AK

Sugar Buzz® Blue Moon Bee Balm *Monarda*

Sugar Buzz®; 'Blue Moon' PP29549



Quantity	8
Width	1.5' - 1.8'
Height	1.7' - 1.7'
Light Requirements	Full sun, Part sun, Part shade
Soil Moistures	
Soil Phs	
Soil Compositions	
Bloom Time	7, 8

Bloom Colors

Features Fragrant flowers

Growth Behaviors

Seasonal Interests

Wildlife Benefits Good for pollinators, Attracts hummingbirds

Hardiness Zones 4, 5, 6, 7, 8

Native Range (US States) AL, DE, AR, GA, MA, MD, ME, NJ, NH, TN, PA, NY, RI, SC, NC, VA, VT, WV

Haas Halo Hydrangea *Hydrangea arborescens* Haas Halo

PP#24783



Quantity	6
Width	3.0' - 5.0'
Height	4.0' - 5.0'
Light Requirements	Full sun, Part sun, Part shade
Soil Moistures	Moist, Wet
Soil Phs	
Soil Compositions	
Bloom Time	7

Bloom Colors	White
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Features	Cut flowers
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Growth Behaviors	
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Seasonal Interests	
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Wildlife Benefits	Good for pollinators, Food for birds
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Hardiness Zones	3, 4, 5, 6, 7, 8, 9
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Native Range (US States)	
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