

Perennial Bed Planting Design Spreadsheet

Common Name	Botanical Name	Hours of Sun	Soil Moisture	USDA Zone	Plant Type	Wildlife	Native/Nonnative	Cultivar/Species	Bloom Period	Bloom Color	Shape	Effect	Height	Spread	Spacing	Main Source
		FS=6 PSh=4-6 PSh=2-4 FSh=0-2	D=Dry M=Medium W=Wet		P=Perennial G=Grass	Adult Butterflies/Moths Bees Birds Butterfly/Moth Larvae Hummingbirds General Pollinators Other Pollinators	State Ecoregion US Nonnative	Cultivar Species			Upright Mounded Trailing	Wild Semi-Wild Contained				MC MoBot NPD UC Other
Feather Reed Grass	<i>Calamagrostis x acutiflora</i> 'Karl Foerster'	FS	M to W	5-9	G	Birds	Nonnative	Cultivar	May-Feb	Pink-Purple	Upright	Contained	3'-5'	1.5'-2.5'	18"-24"	MoBot
Moerheim Beauty Sneezeweed	<i>Helenium</i> 'Moerheim Beauty'	FS	M to W	3-8	P	Butterflies	US	Cultivar	Aug-Oct	Red-Orange	Upright	Semi-Wild	2'-3'	1'-1.5'	18"	MoBot
Little Carlow Aster	<i>Aster</i> 'Little Carlow'	FS	M	4-8	P	Butterflies	US	Cultivar	Sep-Oct	Blue	Mounded	Semi-Wild	1.5'-2'	1.5'-2'	18"-24"	MoBot
Coreopsis Zagreb	<i>Coreopsis verticillata</i> 'Zagreb'	FS	D to M	3-9	P	General Pollinators	Ecoregion	Cultivar	May-Jun	Yellow	Upright	Contained	1'-1.5'	1.5'	12"-18"	MC, MoBot
Rozanne Geranium	<i>Geranium</i> 'Gerwat' ROZANNE	FS-PSh	M	5-8	P	Butterflies	Nonnative	Cultivar	May-Jul	Violet	Mounded	Contained	1'-1.5'	1'-2'	12"-18"	MoBot

Spacing (To Determine the Number of Plants Needed):

Identify how much of the perennial bed will be planted with each plant, decide on the density of the planting (select a number under Spacing), and calculate the number of plants or use an online plant calculator. For example, if *Calamagrostis* will cover an area 2' x 10' (20 square feet) with 18" spacing, 6 plants will be needed.

Main Source:

MC=Mt. Cuba Center Trial Garden (<https://mtcubacenter.org/research/trial-garden/>)
 MoBot=Missouri Botanical Garden Plant Finder (<https://www.missouribotanicalgarden.org/plantfinder/plantfindersearch.aspx>)
 NPD=Native Plants Database (<https://www.wildflower.org/plants/>)
 UC=University of Connecticut Plant Database (<https://plantdatabase.uconn.edu/>)