Pollinator Steward Certification

A PROGRAM OF
POLLINATOR PARTNERSHIP

Module 4:
Creating Habitat for Pollinators Overview

Tuesday, February 27, 2024

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Protect their lives. Preserve ours.

Land Acknowledgment

The land where I live and work is in Sǫ̀ mba k'è, Denendeh (Yellowknife, Northwest Territories, Canada) located in Chief Drygeese territory, traditional land of the Yellowknives Dene First Nation.

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Housekeeping:

- Recordings will be shared by the following week, and be available until December 31st, 2023
- Closed captioning is available – enable in your controls.
- Please put questions in the Q&A box; UPVOTE questions you like!
- Questions for panelists will be answered at the end of the session.
- Contact stewards@pollinator.org for registration issues, questions, etc.
- Engage in respect and kindness with each other in the chat.
- We suggest that you write down in point form or 1-2 sentences the key takeaways from each training while you are attending live.
- **Tonight – Award for favorite question!**

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Course Information Page:

The Course Information page will be your homebase for module recordings, updates, and program resources. Login to the Course Information page using the following username and password:

website: https://www.pollinator.org/psc/course-info
username: PollinatorSteward
password: psc2024

Please do not share the username and password as this page is only for registered participants of the 2024 Pollinator Steward Certification program.

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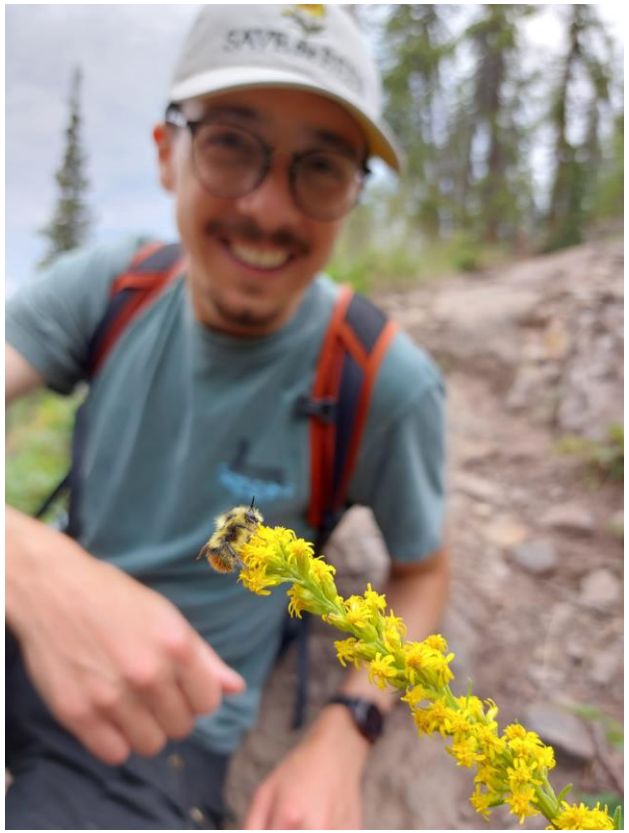
Tonight's Speakers!



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What are Ecoregions?

- Ecoregions define areas of land where ecosystems are generally similar
- System created as a management tool used to predict responses to land management practices throughout large areas
- Accurate way to decide which plants belong to which climatic and soil conditions to support pollinators and their habitat in a specific area

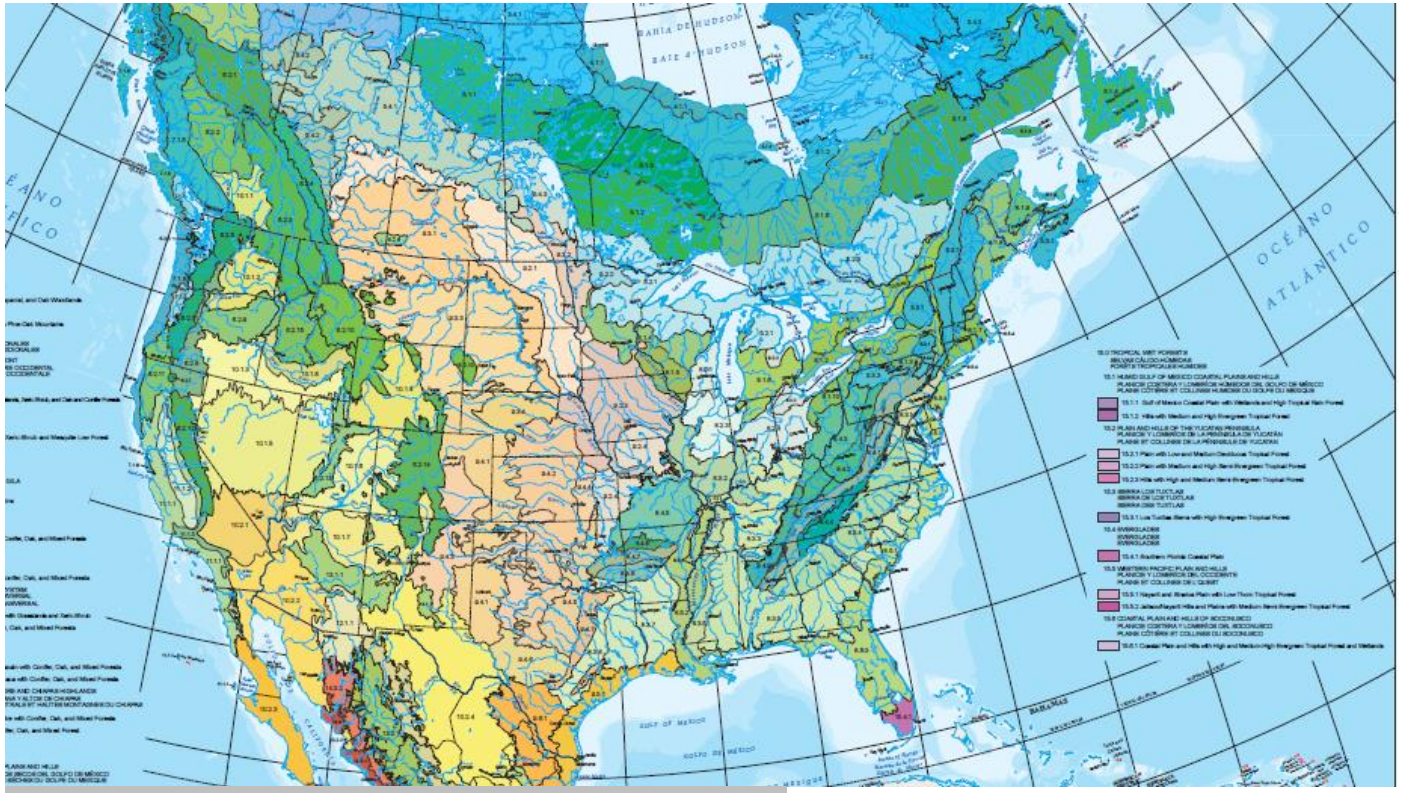

Image credit to: United States Environmental Protection Agency

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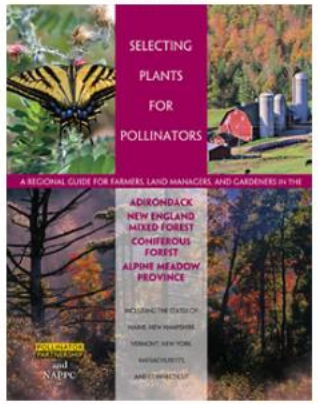
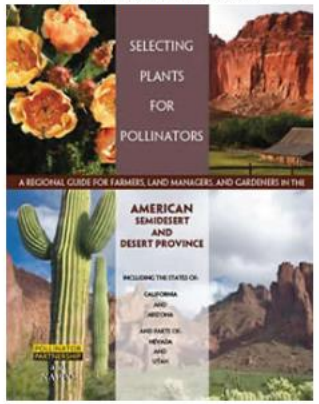
Ecoregional Planting Guides

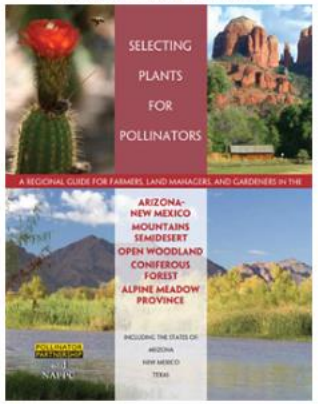
Adirondack



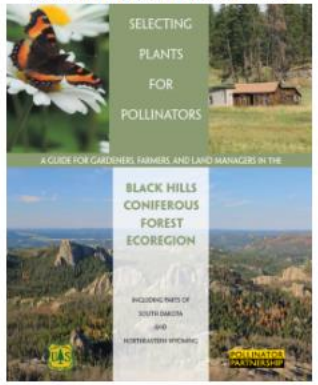
American SemiDesert



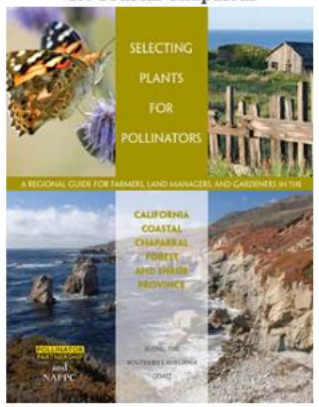
Arizona - New Mexico



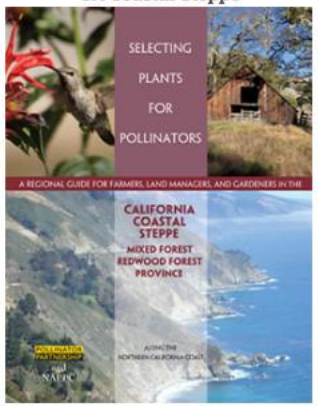
Black Hills Coniferous Forest



CA Coastal Chaparral

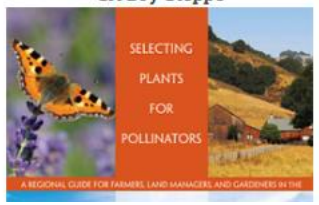


CA Coastal Steppe

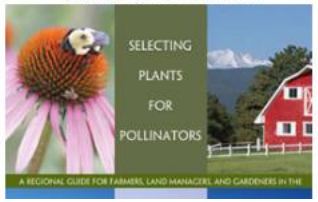


CA Coastal Woodlands

CA Dry Steppe



Cascade Mixed Forest



Botanical Name	Common Name	Height	Colour	Flower Season	Sun	Soil Moisture	Pollinators	Also a host
Asclepias incarnata	swamp milkweed	0.30-1.5m	purple, pink	June-August	sun	moist to wet	butterflies, bees	X
Asclepias tuberosa	butterfly weed	less than 1m	yellow, orange	June-September	sun to partial shade	dry, well drained	hummingbirds, butterflies, bees	X
Campanula gieseckeana	harebell	less than 1m	blue, purple	June-September	sun to partial shade	dry, well drained	hummingbirds	
Chelone glabra	white turtlehead	up to 1m	white, cream, pink	July - September	sun to shade	moist to wet	butterflies, bees	X
Cirsium discolor	field thistle	1-2m	purple, pink	June - September	sun	dry, well drained	butterflies	X
Coreopsis lanceolata	laceleaf tickseed	up to 1m	yellow	May - August	sun to partial sun	moist to dry	bees, butterflies	
Dasiphora fruticosa	shrubby cinquefoil	0.5-1.5m	yellow, white, cream	June-September	sun	dry, well drained	butterflies, bees	
Desmodium canadense	showy tick trefoil	0.5-2m	purple, pink	July - August	sun to partial shade	dry to moist, well drained	hummingbirds, bees	X
Erythronium americanum	yellow trout lily	less than 1m	yellow	April - June	shade	moist	bees	
Eutrochium maculatum	spotted Joe Pye weed	0.5-2m	purple, pink	July - September	sun to partial shade	moist to wet, well drained	butterflies, bees	
Eupatorium perfoliatum	common boneset	1-1.5 m	white	July - Septepmber	sun	well drained to moist	bees, butterflies, flies	
Gentiana andrewsii	closed gentian	less than 1m	blue, purple	August-September	sun to partial shade	moist to wet, well drained	bees	
Gentianopsos crinita	fringed gentian	0.5-1m	blue	August-October	sun to partial shade	wet to moist	bees	
Geranium maculatum	wild geranium	less than 1m	purple, pink	April-June	sun to partial shade	dry, well drained	butterflies, bees	X
Helenium autumnale	sneezeweed	1-1.5m	yellow, brown	July - September	sun to partial shade	moist to wet	bees, wasps, flies, butterflies	X
Helianthus divaricatus	woodland sunflower	0.5-1.5m	yellow	July-September	sun to partial shade	dry, well drained	butterflies, bees	X
Impatiens capensis	jewelweed	0.5-1.5m	yellow, orange, greenish brown	July-October	partial shade to shade	moist to wet	hummingbirds, butterflies, bees	
Iris versicolor	wild blue iris	up to 1m	blue, purple	May-August	sun to partial shade	moist to wet	hummingbirds, bees	
Lilium philadelphicum	wood lily	up to 1m	red, orange	June-August	sun to partial shade	dry	hummingbirds	
Lobelia cardinalis	cardinal flower	1-1.5m	red	August - October	sun to partial shade	moist to wet	bees, hummingbirds	
Lobelia siphilitica	great blue lobelia	0.5-1.5m	blue	August-September	sun to partial shade	moist to wet, well drained	hummingbirds, butterflies, bees	
Lysimachia ciliata	fringed loosestrife	0.5-1.5m	yellow	June-August	partial shade to shade	moist	bees	
Lysimachia terrestris	swamp candles	up to 1m	yellow	June-August	sun to partial shade	moist	bees	

CONTINUED ON PAGE 18

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Find Your Roots Planting Tool

Find Your Roots

A tool for creating pollinator-friendly native plant lists for your habitat project

1 Welcome! — 2 Select your ecoregion — 3 Filter by plant characteristics — 4 View plant list

Next

Welcome to Pollinator Partnership Pollinator Plant Selection Tool, *Find Your Roots*. The tool is based on the lists of native plants that support pollinators from our Ecoregional Planting guide series. Guides contain detailed information on pollinators, how to help them, and feature specific ecoregional information. Use this tool to make it easier to create customized plant lists for your region and requirements.

You can create your plant list by first selecting your region, using your zip code or selecting your location on a map. Then, you will be able to filter plants based on your pollinator planting needs. It's easy and fun, and the bees and butterflies will thank you!

For App feedback contact Pollinator Partnership at info@pollinator.org.

Funding for this plant selector tool was provided by the US Forest Service.

Next: Select region

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Back

Next

Plants in this database support pollinators and are native to specific ecoregions in the US. Start your list by getting only the plants that are native to your ecoregion by entering your zip code or clicking on your ecoregion on the map.

Zip Code

Next: Apply filters

Lists are currently available only for the areas in green. If there is no list for your region, select the closest region, and reach out to us about creating a native pollinator plant list for your area!

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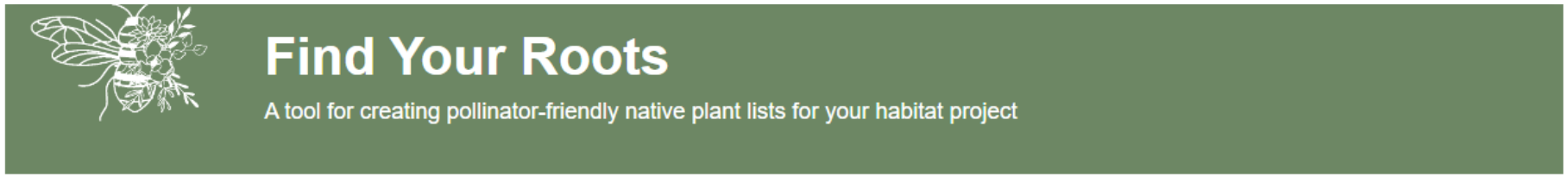
Find Your Roots Planting Tool



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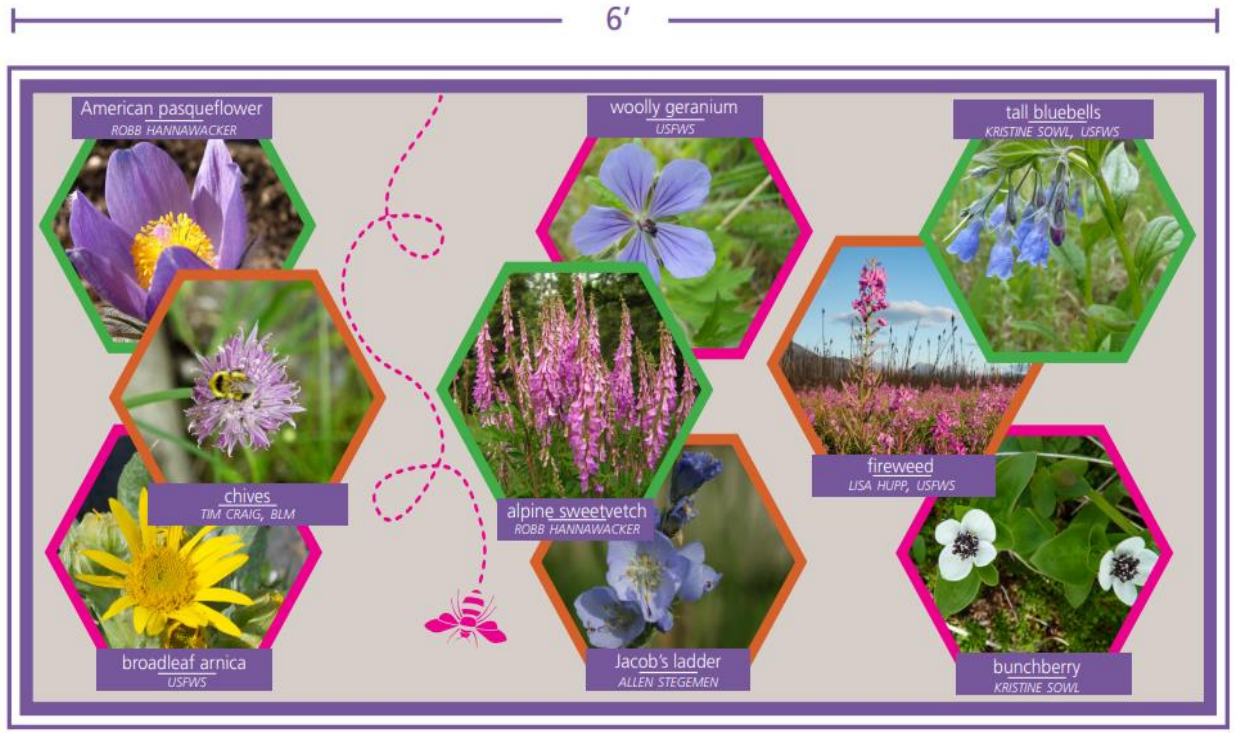
Garden Recipe Cards

Planting Guide for your native pollinator garden
Use the arrangement below to have a continuous garden - spring, summer, & fall

ALASKA



BLOOM SEASON
Spring
Summer
Fall

For best results, use multiple plants of each species.

SEASON	FIRST OPTION	SECOND OPTION
Spring	wild iris *Iris setosa* ●	American milkvetch *Astragalus americanus* ○
	bunchberry *Cornus canadensis* ○	northern yellow locoweed *Oxytropis campestris* ●
	woolly geranium *Geranium erianthum* ●	broadleaf arnica *Arnica latifolia* ●
Summer	shooting star *Dodecatheon pulchellum* ●	Jacob's ladder *Polemonium acutiflorum* ●
	American pasqueflower *Pulsatilla patens* ●	alpine sweetvetch *Hedysarum alpinum* ●
	western columbine *Aquilegia formosa* ●	tall bluebells *Mertensia paniculata* ●
Fall	arctic goldenrod *Solidago multiradiata* ●	Siberian aster *Eurybia sibirica* ●
	yarrow *Achillea millefolium* ○	Fireweed *Chamerion angustifolium* ●
	chives *Allium schoenoprasum* ●	mountain larkspur *Delphinium glaucum* ●

WILD IRIS

WESTERN COLUMBINE

ARCTIC GOLDENROD

● *color dots above indicate bloom color*
Image credits for above: USFWS

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The 3 x 3 Rule

3 species blooming in each of the 3 seasons

DIVERSITY

Color and shape

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Gardening at Home

Dry and Water-Limited Environments

Photo: Yucca Moth by Judy Gallagher, courtesy of Flickr (CC BY 2.0)

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Sidewalk Strip Converted to Pollinator Habitat

Photo credit: Peter Ewins

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Thriving Balcony Gardens

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Pollinator Habitat along Roadsides

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Pollinator Habitat in Hydro Corridors

Agricultural Landscapes

Wrap Up and Next Week:

NEXT WEEK, we will have three back-to-back sessions where we will get into the details of various habitat types.

- **Tuesday, March 5th**, we will focus on habitat creation for yards, small to medium-sized gardens, and balconies.
- **Wednesday, March 6th**, we will focus on habitat creation on a large scale for those who manage rights-of-way, parks, roadsides, and municipalities.
- **Thursday, March 7th**, we will complete our habitat modules with a focus on supporting pollinators in agricultural landscapes.

For certification, attendance (or later viewing) of ONE of the above three is required

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