

PESTS fact sheet



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Gardening for Native Bees in Utah and Beyond

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Do You Know?

- 900 species of native bees reside in Utah.
- Some wild bees are superb pollinators of Utah's tree fruits, raspberries, squashes, melons and cucumbers.
- Few of our native bees have much venom or any inclination to sting.
- Our native bees use hundreds of varieties of garden flowers, many of them water-wise.
- A garden plant need not be native to attract and feed native bees.

tah is home to more than 20 percent of the 4,000+ named species of wild bees that are native to North America. Except for bumblebees and some sweat bees, our native bees are solitary, not social, many with just one annual generation that coincides with bloom by their favorite floral hosts. In contrast, the familiar honeybee is highly social, has perennial colonies, and was brought to North America by settlers from Europe. Regardless of these differences, however, all of our bees need pollen and nectar from flowers. The sugars in sweet nectar power their flight; mother bees also imbibe some nectar to mix with pollen that they gather. Pollen is fortified with proteins, oils and minerals that are essential for the diets of their grub-like larvae back at the nest.

Our flower gardens can become valuable cafeterias for local populations of diverse native bees. In our cities and towns, native plant communities have been displaced by pavement, buildings and lawns. In the countryside, grain and hay crops likewise



Fig. 1. Carder bee (Anthidium) foraging at lavender (Lavendula: Lamiaceae).



Fig. 2. A pollinator garden can also be water-wise. Purple *Penstemon strictus,* front, firecracker penstemon (*P. eatonii*), center, and blue flax (*Linum perenne*), background, combine to make a pleasing design. ¹

offer our native bees little food. Because bees find their favorite flowers by their color or scent, a bee garden can also be appealing to the homeowner. Many of these flowering species are surprisingly easy to grow.

Some people are fearful of being stung if they attract native bees to their yard. In our 25 years of watching bees at flowers, we have yet to be stung by any species of non-social bees native to North America. We have been stung handling honey bees or bumble bees at their colonies. These social bees are the ones that deliver the most painful stings. But even then, we've never been stung when just watching them at flowers.

The table of garden plants for native bees (page 4) can help guide home gardeners in Utah and across North America to genera of flowering plants whose species will please gardener and bee alike. In turn, pollination services by bees set bumper crops of all of our tree fruits and some vegetables too. Native bees also give hours of pleasant entertainment and distraction as you follow their foraging rounds or their amorous pursuits at your flowers.

The list consists of plant genera, many of whose species both attract native bees and are available from standard or native seed companies or plant nurseries. In a few cases, particularly valuable plants for native bees are listed though not yet available commercially. If just beginning your Utah bee garden, consider species from the genera that are bolded in **blue italics**. These represent broadly available, adaptable, and dependable plant genera whose blooms reliably attract native bees. Many of the genera in the list will not be universally adaptable to all climates, soils, and irrigation regimes; you will need to make informed decisions from among the genera in the list for your local use. If you are trying water-wise (or xeriscape) plants from seed, autumn seeding is beneficial, as many need a cool wet period to elicit germination. Note that the vast majority of choices are perennials, in contrast with the many traditional annual bedding plants. You will need to be patient during their first year of establishment, weed regularly, and provide occasional water as they develop their extensive root systems.

Be aware of the invasive tendencies of some plant species in your locale. The bachelor's button or cornflower (Centauria cyanus), for instance, is a well-behaved garden plant across much of the U.S., but in parts of the Pacific Northwest, it has become a naturalized, undesirable weed. If in doubt, please check with your county Extension agent or the Utah Department of Agriculture, or visit one of the Web sites listed below for introductory weed information.

invader.dbs.umt.edu/Noxious_Weeds, is a searchable listing of all U.S. weeds, by state

www.invasive.org/weedus, "Invasive Plant Atlas of the US," contains images

wiki.bugwood.org/Invasipedia, lists close to 200 species with detailed information on each



Fig. 3. Nevada bee-plant (*Cleome lutea*) is a water-wise annual native to western U.S., providing pollen in summer to bees such as this *Anthophora* digger bee. ¹



Fig. 4. Mason bees (*Osmia*) are very important pollinators, and are superior to honey bees in tree fruit orchards. They forage at hundreds of different flowers, including sweetvetch (*Hedysarum* Fabaceae). ¹



Fig. 5. Male Melissodes bees (with distinctive long antennae) sleeping on a sunflower head (*Helianthus*: Asteraceae).

Some popular garden flowers are missing from the list, such as tulips, petunias and marigolds. These and some other garden flowers have, through years of artificial breeding and selection, lost whatever attraction they may have had for bees. That's no reason not to plant and enjoy them; they just won't feed bees.

The list is a work in progress. If you find errors, oversights or useful refinements, I will be happy to consider your suggestions for modification so long as it retains its current form. You may disseminate the list or modify your copy of it for local needs or your personal preferences as you see fit. Happy bee-ing!!



Fig. 6. The legume, western prairie clover (*Dalea ornata*), is an Intermountain West native, producing pollen for months for bees like this bumblebee (*Bombus*).²



Fig. 8. Fernbush (*Chamaebatiaria millefolium*) is a native shrub with aromatic foliage. ¹



Fig. 10. Blue hyssop (*Hyssopus*: Lamiaceae) blooms in mid to late summer and is very hardy. ¹



Fig. 7. The native squash bee (*Peponapis pruinosa*) pollinates most of Utah's squashes and pumpkins (cucurbits), and is active primarliy in the early morning hours. ¹



Fig. 9. Russian sage (*Perovskia atriplicifolia*) blooms for months, and is the authors' favorite pollinator plant. ¹



Fig. 11. Design the pollinator garden with a succession of blooms for season-long foraging. ¹

Garden Plant Recommendations for Wild Bees of North America

This table contains nearly 200 garden plant genera with species whose flowers are sought by wild bees of North America.

The **Code** column is useful for Utah gardeners. Some additional species not coded as G or U are suitable for Utah but only in the hot, southernmost climates (e.g. *Larrea* or creosote bush).

G - grows in Utah

U - Utah native

W - water-wise

F - food product

Plants in **bold italic** are great choices for Utah gardeners.

Form tells whether the usable species in the genus are

A - annual

P - perennial

S - shrub

T - tree

Genus	Family	Common Name	Code	Forms	Notes
Abelia	CAPRIFOLIACEAE	abelia		S	
Acacia	FABACEAE	acacia	W	ST	
Acer	ACERACEAE	maple	GU	T	
Achillea	ASTERACEAE	yarrow	GUW	Р	A. millefolium weedy
Aconitum	RANUNCULACEAE	monkshood	GU	Р	
Agastache	LAMIACEAE	hyssop	G	Р	
Ajuga	LAMIACEAE	carpet bugle	G	Р	
Allium	LILIACEAE	ornamental onions	GUW	Р	
Althea	MALVACEAE	hollyhock	G	Р	not double-flowered
Amelanchier	ROSACEAE	serviceberry	GU	S	
Amorpha	FABACEAE	false indigo	G	S	
Anchusa	BORAGINACEAE	wild forget-me-not		AP	
Anethum	APIACEAE	dill	G	Α	
Aquilegia	RANUNCULACEAE	columbine	GU	Р	not double-flowered
Arctostaphylos	ERICACEAE	manzanita	GUW	S	
Argemone	PAPAVERACEAE	prickly poppy	GUW	Р	
Armeria	PLUMBAGINACEAE	sea thrift	G	Р	
Aster	ASTERACEAE	aster	GUW	Р	not double-flowered
Astragalus	FABACEAE	locoweed	GUW	Р	
Baileya	ASTERACEAE	desert marigold	GW	Р	
Baptisia	FABACEAE	wild-indigo	G	Р	
Berberis	BERBERIDACEAE	barberry	G	S	
Borago	BORAGINACEAE	borage	G	Α	
Brassica	BRASSICACEAE	mustard	G	Α	B. kaber and B. nigra weedy
Calamintha	LAMIACEAE	calamint	G	Р	
Calliopsis	ASTERACEAE	annual coreopsis	G	Α	C. tinctoria
Callirhoe	MALVACEAE	wine cups	GW	Р	
Calluna	ERICACEAE	heather		S	needs acidic soils
Camissonia	ONAGRACEAE	camissonia	G	Р	

Genus	Family	Common Name	Code	Forms	Notes
Campanula	CAMPANULACEAE	bell flower	G	Р	
Caragena	FABACEAE	Siberian peashrub	G	S	
Carthamnus	ASTERACEAE	safflower	GWF	А	
Caryopteris	LAMIACEAE	blue mist spirea	GW	S	esp. C. x clandonensis
Cassia	FABACEAE	many now Senna		Т	
Ceanothus	RHAMNACEAE	buckbrush	GW	S	California species only
Cercidium	FABACEAE	palo verde	W	Т	
Cercis	FABACEAE	redbud	G	ST	
Cercocarpus	ROSACEAE	mountain mahogany	GUW	S	
Chaenomeles	ROSACEAE	flowering quince	G	S	
Chamaebatiaria	ROSACEAE	fernbush	GUW	S	see Fig. 8
Chilopsis	BIGNONIACEAE	desert willow		S	
Chrysothamnus	ASTERACEAE	rabbit brush, chamisa	GUW	S	= Ericameria
Citrullus	CUCURBITACEAE	watermelon	GF	А	
Citrus	RUTACEAE	grapefruit, orange, lemon		Т	
Clarkia	ONAGRACEAE	clarkia	G	Α	not double-flowered
Cleome	CLEOMACEAE	bee-plant	GUW	А	see Fig. 3
Coreopsis	ASTERACEAE	coreopsis	GW	AP	
Coriandrum	APIACEAE	coriander	GF	А	
Coronilla	FABACEAE	crownvetch	G	Р	
Cosmos	ASTERACEAE	cosmos	G	AP	
Crataegus	ROSACEAE	hawthorn	GU	ST	
Cucurbita	CUCURBITACEAE	squash, gourd, pumpkin	GF	А	see Fig. 7
Cuphea	LYTHRACEAE	false heather	G	S	C. hyssopifolia
Cydonia	ROSACEAE	fruiting quince	F	S	
Cynara	ASTERACEAE	artichoke, cardoon	F	Р	
Cynoglossum	BORAGINACEAE	hound's tongue	G	Р	C. grande; shade
Dalea	FABACEAE	prairie clover	GUW	Р	see Fig. 6
Daucus	APIACEAE	carrot, Queen Anne's lace	GF	Р	some weedy
Delphinium	RANUNCULACEAE	larkspur	GU	AP	not double-flowered
Delosperma	AIZOACEAE	ice plant	GW	Р	
Digitalis	SCROPHULARIACEAE	foxglove	G	Р	
Echinacea	ASTERACEAE	cone flower	G	Р	
Echium	BORAGINACEAE	Pride of Madera		Р	
Ericameria	ASTERACEAE	rabbit brush, chamisa	GUW	S	E. nauseosa
	A CTED A CE A E	fleabane	GUW	P	
Erigeron	ASTERACEAE	liedbarie	0011	ı	

Efogonum POLYGONACLALE wild buckwheat GUW SP Eryngim APIACLALE sea holly G AP Eryngimm BRASSICACLAE wallflower GU PP Eryngimm PARAFRACEAE California poppy GW PP Excholzio PARAFRACEAE Collifornia poppy GW PP not-E, capilifolium Expedicirum ASTERACEAE Damel cactus W PP Ferugarda Ferocactus CACTACEAE biomediando GF PP Fexulpacre Ferogaria ASTERACEAE blankel flower GW AP Ferugarda Ferugarda ASTERACEAE blankel flower GW AP Ferugarda Gaura ONAGRACEAE blance gention GU AP Ferugarda Geridada ASTERACEAE blance gention GU P Ferugarda Geridada ASTERACEAE blance gention GU P Ferugarda Geridada RESACEAE deventi	Genus	Family	Common Name	Code	Forms	Notes
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FABACEAE Ilicorice P P H. boreale; see Fig. 4	Geum	ROSACEAE	avens, prairie smoke	G	Р	
Hedeoma LAMIACEAE sweetscent, mock pennyroyal P H. boreale; see Fig. 4 Hedysarum FABACEAE sweet vetch GUW P H. boreale; see Fig. 4 Helenium ASTERACEAE sneezeweed GW P Helianthus ASTERACEAE sunflower GU P Helianthus ASTERACEAE sunflower GUW AP not double-flowered or pollen-free; see Fig. 5 Helianthus ASTERACEAE heliotrope G P often grown as annual Helianthus BORAGINACEAE heliotrope G P often grown as annual Hibiscus MALVACEAE rose-of-sharon, hollyhock G S not double-flowered Holodiscus ROSACEAE cliff spirea, mountainspray GU S Not double-flowered Hymenoxys ASTERACEAE alpine sunflower GUW P P Hyptis LAMIACEAE desert lavendar GW S Hystis LAMIACEAE hyssop GW P see Fig. 10 Ilex AQUIFOLIACEAE holly ST ne	Gilia	POLEMONIACEAE	gilia	GUW	Р	blue or violet
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Hibiscus MALVACEAE rose-of-sharon, hollyhock G S not double-flowered Holodiscus ROSACEAE cliff spirea, mountainspray GU S Hymenoxys ASTERACEAE alpine sunflower GUW P Hyptis LAMIACEAE desert lavendar GW S Hyssopus LAMIACEAE hyssop GW P see Fig. 10 Ilex AQUIFOLIACEAE holly ST needs acidic soils Iliamna MALVACEAE mountain hollyhock GU P Kallstroemia ZYGOPHYLLACEAE Arizona poppy W P Keckiella SCROPHULARIACEAE bush penstemon S Lamium LAMIACEAE deadnettle G P incl. Lamiastrum Larrea ZYGOPHYLLACEAE creosote bush W S Lathyrus FABACEAE sweet pea G AP a marginal bee plant Lavendula LAMIACEAE lavendar GW S see Fig. 1	Helianthus	ASTERACEAE	sunflower	GUW	AP	
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Hymenoxys ASTERACEAE alpine sunflower GUW P Hyptis LAMIACEAE desert lavendar GW S Hyssopus LAMIACEAE hyssop GW P see Fig. 10 Illex AQUIFOLIACEAE holly ST needs acidic soils Iliamna MALVACEAE mountain hollyhock GU P Kallstroemia ZYGOPHYLLACEAE Arizona poppy W P Keckiella SCROPHULARIACEAE bush penstemon S Lamium LAMIACEAE deadnettle G P incl. Lamiastrum Larrea ZYGOPHYLLACEAE creosote bush W S Lathyrus FABACEAE sweet pea G AP a marginal bee plant Lavendula LAMIACEAE lavendar GW S see Fig. 1	Hibiscus	MALVACEAE	rose-of-sharon, hollyhock	G	S	not double-flowered
HyptisLAMIACEAEdesert lavendarGWSHyssopusLAMIACEAEhyssopGWPsee Fig. 10IlexAQUIFOLIACEAEhollySTneeds acidic soilsIliamnaMALVACEAEmountain hollyhockGUPKallstroemiaZYGOPHYLLACEAEArizona poppyWPKeckiellaSCROPHULARIACEAEbush penstemonSLamiumLAMIACEAEdeadnettleGPincl. LamiastrumLarreaZYGOPHYLLACEAEcreosote bushWSLathyrusFABACEAEsweet peaGAPa marginal bee plantLavendulaLAMIACEAElavendarGWSsee Fig. 1	Holodiscus	ROSACEAE	cliff spirea, mountainspray	GU	S	
HyssopusLAMIACEAEhyssopGWPsee Fig. 10IlexAQUIFOLIACEAEhollySTneeds acidic soilsIliamnaMALVACEAEmountain hollyhockGUPKallstroemiaZYGOPHYLLACEAEArizona poppyWPKeckiellaSCROPHULARIACEAEbush penstemonSLamiumLAMIACEAEdeadnettleGPincl. LamiastrumLarreaZYGOPHYLLACEAEcreosote bushWSLathyrusFABACEAEsweet peaGAPa marginal bee plantLavendulaLAMIACEAElavendarGWSsee Fig. 1	Hymenoxys	ASTERACEAE	alpine sunflower	GUW	Р	
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Iliamna MALVACEAE mountain hollyhock GU P	Hyssopus	LAMIACEAE	hyssop	GW	Р	see Fig. 10
KallstroemiaZYGOPHYLLACEAEArizona poppyWPKeckiellaSCROPHULARIACEAEbush penstemonSLamiumLAMIACEAEdeadnettleGPincl. LamiastrumLarreaZYGOPHYLLACEAEcreosote bushWSLathyrusFABACEAEsweet peaGAPa marginal bee plantLavendulaLAMIACEAElavendarGWSsee Fig. 1	llex	AQUIFOLIACEAE	holly		ST	needs acidic soils
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LamiumLAMIACEAEdeadnettleGPincl. LamiastrumLarreaZYGOPHYLLACEAEcreosote bushWSLathyrusFABACEAEsweet peaGAPa marginal bee plantLavendulaLAMIACEAElavendarGWSsee Fig. 1	Kallstroemia	ZYGOPHYLLACEAE	Arizona poppy	W	Р	
LarreaZYGOPHYLLACEAEcreosote bushWSLathyrusFABACEAEsweet peaGAPa marginal bee plantLavendulaLAMIACEAElavendarGWSsee Fig. 1	Keckiella	SCROPHULARIACEAE	bush penstemon		S	
LathyrusFABACEAEsweet peaGAPa marginal bee plantLavendulaLAMIACEAElavendarGWSsee Fig. 1	Lamium	LAMIACEAE	deadnettle	G	Р	incl. Lamiastrum
Lavendula LAMIACEAE lavendar GW S see Fig. 1	Larrea	ZYGOPHYLLACEAE	creosote bush	W	S	
	Lathyrus	FABACEAE	sweet pea	G	AP	a marginal bee plant
Layia ASTERACEAE tidytips A	Lavendula	LAMIACEAE	lavendar	GW	S	see Fig. 1
	Layia	ASTERACEAE	tidytips		Α	

Genus	Family	Common Name	Code	Forms	Notes
Lespedeza	FABACEAE	bush clover	W	PS	esp. L. cuneata
Lesquerella	BRASSICACEAE	bladderpod	W	Α	
Liatris	ASTERACEAE	gayfeather	G	Р	
Limnanthes	LIMNANTHACEAE	meadowfoam, fried egg flower	G	А	
Linanthus	POLEMONIACEAE	mountain phlox	W	Α	
Linum	LINACEAE	flax	GUW	AP	see Fig. 2
Lotus	FABACEAE	birdsfoot trefoil, lotus	G	Р	good in pastures
Lycium	SOLANACEAE	wolfberry	W	S	
Mahonia	BERBERIDACEAE	Oregon grape	GUW	S	
Malus	ROSACEAE	apple, crabapple	GF	T	
Malva	MALVACEAE	mallow		Р	
Medicago	FABACEAE	alfalfa, medic	G	Р	good in pastures
Melilotus	FABACEAE	sweet clover	G	AP	can be weedy
Mentha	LAMIACEAE	mint	GF	Р	
Mentzelia	LOASACEAE	blazing star	GUW	Р	
Mertensia	BORAGINACEAE	bluebells	GU	Р	
Mimulus	SCROPHULARIACEAE	monkey flower	GU	Р	
Monarda	LAMIACEAE	bee balm	G	Р	not red
Myoporum	MYOPORACEAE	myoporum	W	ST	M. laetum
Nemophila	HYDROPHYLLACEAE	blue eyes	G	А	
Nepeta	LAMIACEAE	catmint	GW	Р	esp. N. x faassenii
Ocimum	LAMIACEAE	basil	GF	А	
Oenothera	ONAGRACEAE	evening primrose	GUW	Р	
Opuntia	CACTACEAE	pear cactus	GUW	Р	
Origanum	LAMIACEAE	oregano	GF	Р	
Oxydendrum	ERICACEAE	sourwood	1	T	
Oxytropis	FABACEAE	locoweed	GUW	Р	
Parkinsonia	FABACEAE	Mexican palo verde	W	S	
Pedicularis	SCROPHULARIACEAE	lousewort	GU	Р	
Penstemon	SCROPHULARIACEAE	penstemon	GUW	Р	P. palmeri, P. strictus, P. eatoni etc.; see Fig. 2
Perovskia	LAMIACEAE	Russian sage	GW	S	P. atriplicifolia; see Fig. 9
Petalostemon	FABACEAE	prairie clover	GUW	Р	= Dalea
Phacelia	HYDROPHYLLACEAE	bluebells, scorpionweed	GW	А	
Phyllodoce	ERICACEAE	mountain-heath		S	needs acidic soil
Physocarpus	ROSACEAE	ninebark	GUW	S	
Physostegia Physostegia	LAMIACEAE	obedient plant	G	Р	,

Genus	Family	Common Name	Code	Forms	Notes
Pieris	ERICACEAE	fetterbush		S	needs acidic soil
Platystemon	PAPAVERACEAE	creamcups		Α	
Polemonium	POLEMONEACEAE	Jacob's ladder	GU	Р	
Pontederia	PONTEDERIACEAE	pickerelweed		Р	an aquatic plant
Prosopis	FABACEAE	mesquite	W	ST	
Prunella	LAMIACEAE	henbit	G	Р	some weedy
Prunus	ROSACEAE	cherry, plum, apricot	GUF	ST	not double-flowered
Psorothamnus	FABACEAE	indigobush	W	S	
Purshia	ROSACEAE	cliff rose	GUW	S	
Pycnanthemum	LAMIACEAE	mountain mint	G	Р	
Raphanus	BRASSICACEAE	mustard		Α	
Ratibida	ASTERACEAE	Mexican hat	GW	Р	
Rhamnus	RHAMNACEAE	buckthorn	G	S	
Rhus	ANACARDIACEAE	sumac	GUW	S	
Ribes	GROSSULARIACEAE	currant	GUF	S	esp. R. aureum
Robinia	FABACEAE	black locust	G	Т	
Romneya	PAPAVERACEAE	Matilija poppy		Р	
Rosa	ROSACEAE	rugosa-type and wild roses	GU	Р	not double-flowered, some weedy
Rosmarinus	LAMIACEAE	rosemary	GF	S	
Rubus	ROSACEAE	raspberry, blackberry, brambles	GUF	Р	some weedy
Rudbeckia	ASTERACEAE	black-eyed susan	GU	Р	
Salix	SALICACEAE	willow	GU	ST	pussywillow, not weeping willow
Salvia	LAMIACEAE	sage	G	PS	blue or violet, esp. S. nemorosa and 'Blue Spires'
Sambucus	CAPRIFOLIACEAE	elderberry	GU	S	
Scabiosa	DIPSACEAE	pincushion flower	G	Р	not double-flowered
Sedum	CRASSULACEAE	sedum, stonecrop	GUW	Р	
Senecio	ASTERACEAE	butterweed,	W	Р	
Senna	FABACEAE	senna		S	
Sidalcea	MALVACEAE	checkermallow	GUW	Р	
Solanum	SOLANACEAE	nightshade	G	PS	some weedy
Solidago	ASTERACEAE	goldenrod	GUW	Р	
Sphaeralcea	MALVACEAE	globemallow	GUW	Р	
Spiraea	ROSACEAE	spirea	G	S	
Stachys	LAMIACEAE	lamb's ear	GX	Р	
Stanleya	BRASSICACEAE	prince's plume	GUW	Р	

Genus	Family	Common Name	Code	Forms	Notes
Sympytum	BORAGINACEAE	comfrey	G	Р	can be weedy
Talinum	PORTULACACEAE	fameflower		Р	
Tanacetum	ASTERACEAE	tansy	G	Р	
Tecoma	BIGNONIACEAE	yellow trumpet bush		S	
Teucrium	LAMIACEAE	germander	G	Р	
Thermopsis	FABACEAE	false lupine, golden pea	GU	Р	
Thymus	LAMIACEAE	thyme	GWF	Р	
Tilia	TILIACEAE	basswood, linden	G	T	
Tithonia	ASTERACEAE	Mexican sunflower	G	Α	'
Trichostema	LAMIACEAE	bluecurls	W	S	
Trifolium	FABACEAE	clover	G	Р	good in pastures
Vaccinium	ERICACEAE	blueberry, cranberry, huckleberry	G	S	needs acidic soil; widely attractive
Valeriana	VALERIANACEAE	valerian	GU	Р	
Verbena	VERBENACEAE	verbena	GW	Р	not red
Verbesina	ASTERACEAE	golden crownbeard	GUW	Р	
Veronica	SCROPHULARIACEAE	speedwell, veronica	GW	Р	
Viburnum	CAPRIFOLIACEAE	arrowood, snowball bush		S	
Vicia	FABACEAE	vetch	GU	Р	good in pastures
Viguiera	ASTERACEAE	showy golden-eye	GUW	Р	
Viola	VIOLACEAE	violets	GU	AP	not pansies
Wyethia	ASTERACEAE	mules ear	GUW	Р	
Zinnia	ASTERACEAE	zinnia	GW	AP	not double-flowered

RESOURCES FOR UTAH AND INTERMOUNTAIN WEST

WEB SITES

Intermountain Native Plant Growers Association, with information on the program, "Utah's Choice": click here

UC-Berkeley's "Guide to Bee-Friendly Gardens": click here

PLACES TO VISIT

Pollinator Garden at USU Campus, Logan

Conservation Garden Park at Jordan Valley, West Jordan, UT, click here for Web site

Red Butte Botanical Garden, SLC, click here for Web site

Washington County Water Conservancy District demonstration garden, 1851 Dixie Drive, St. George, UT

BOOKS

Sunset Guide to Western Gardening, by Sunset Editors

Weeds of the West, by Tom Whitson

Landscaping on the New Frontier: Waterwise Design for the Intermountain West, by Susan Meyer, Roger Kjelgren, Darrel Morrison, William Varga, and Bettina Schultz

Waterwise: Native Plants for Intermountain Landscapes, by Richard Sutton, Craig Johnson, Wendy Mee, Jared Barnes, Roger Kjelgren, Teresa Cerny

Flowering Calendar for Cultivated Bee Plants - Logan, Utah in 2012

Preparing a garden, yard, orchard or park to feed a community of native bees requires not only a knowledge of suitable flowering species, but also their schedule and duration of bloom, so that pollen and nectar are available throughout the growing season.

The following table is sorted in order of bloom, from earliest to latest.

yellow circles indicate week(s) of bloom

red circles indicate peak bloom, a subjective judgement

blue plant names are great choices for Utah gardeners

red plant names are widely used for phenological (seasonal) markers (see National Phenological Network)

Sometimes multiple species of a genus are represented (e.g. several ornamental and edible onions, genus Allium).

Utilization by species of several common, recognizable bee genera is indicated by a green check mark in the columns at the left.

Bee genus	Apis	Bombus	Halictus	Osmia	Ceratina	Habropoda	Megachile	ı	Mar	ch			Ар	ril			M	ay			Ju	ne			•	luly	,		4	Aug	gusi	ł	S	ept	em	ber
FLOWER SPECIES	¥	Bo	Ŧ	ő	ŭ	H	¥	4	11	18 2	5 1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26	2	9	16	23 30
Galanthus	4																																			
Crocus	4		4)																								
Iris reticulata	4		4																																	
Forsythia									(
Salix (pussywillow)	4	4		4					()																									
Arctostaphylos		4							()																									
Prunus (apricot)	4	4	4	4																																
Scilla				4	4																															
Viola																																				
Muscari	4	4			4	4																														
Chaenomeles	4	4		4																																
Prunus (plum)	4	4	4	4		4																														
Mahonia	4	4		4		4																														
Cercis	4	4		4		4																														
Malus (apple)	4	4		4		4																														
Malus (crab)	4	4		4		1																														
Prunus (cherry)	4	4		4	4	4																														
Ribes aureum	4	4		4																																
Pyrus (pear)	4			4																																
Wisteria	4	4																																		
Viburnum																																				
Vinca	4													0																						
Acer	4			4																																
Syringa (lilac)																																				
Berberis	4	4		4		4																														
Caragena		4		4																																

Bee genu	Apis	Bombus	Halictus	Osmia	Ceratina	Habropoda	Megachile	ı	March April 4 11 18 25 1 8 15 22 2									Mo	ay			Ju	ne			J	July	,			Αυ	gus	t	S	ер	ten	ıbe	r
FLOWER SPECIES	A	Bo	H	ő	ŭ	Ha	W	4	11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26	2	9	16	23	30
Amelanchier	4																																					
Crataegus	4																																					
Geum																																						
Ribes (red)	4	4																																				
Allium	4	4		4	4		4																															
Saponaria	4																																					
Lamiastrum	4	4																																				
Rhus	4	4	4		4																																	
Salvia	4	4		4		4																																
Veronica	4	4	4	4																																		
Linum	4	4	4	4																																		
Thymus	4		4				4																															
Aquilegia		4																																				
Lotus	4	4		4																																		
Purshia																																						
Centaurea	4	4	1		4																																	
Penstemon	4	4		4	4																																	
Rubus	4	4		4																																		
Chaenactis	4	4	4	4	4		4																															
Fragaria	4			4																																		
Hedysarum	4	4		4			4																															
Cleome lutea	4	4																																				
Nepeta	4			~																																		
Trifolium repens	4	4		~																																		
Cynoglossum	4	4																																				
Oenothera																																						
Amorpha	4			4																																		
Eriogonum	4		1	~																																		
Astragalus	4	4		~																																		
Cystis	4	4					4																															
Kolkwitzia	4	4			~																																	
Spiraea	4																																					
Genista																																						
Centranthus	4	4																																				
Coriandrum																																						
Colutea		4																																				
Melilotus	4	4		4			1																															
Escholzia			1																																			
Achillea			4				4																															

Bee genus	Apis	Bombus	Halictus	Osmia	Ceratina	Habropoda	Megachile		Mai					pri				Mo				Jur					July				Αu	_				tem		
FLOWER SPECIES	₹	B	Ĭ	0	Ŭ	¥	Š	4	11	18 2	25	1	8	15	22	29	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26	2	9	16	23	30
Rosa		4	4	4	4		4																															
Sphaeralcea	4		4																																			
Iliamna	4						4																															
Onobrychis	\checkmark	4		4			1																															
Gaillardia	4	4	4	4			4																															
Cleome serrulata	4	4																																				
Vicia	4	4		4																																		
Delphinium		4																																				
Coreopsis			4	4																																		
Sambucus																									0		0	0	0									
Lavendula	4	4					4																															
Tilia	4	4																				0			0													
Asclepias	4	4																				0																
Digitalis		4																				0																
Polemonium																						0)	
Callirhoe							4															0					0	0						0	0			
Medicago	✓	4		4			4															0			0	0	0	0	0			0		0				
Echinacea	4	✓	4																			0	<u> </u>	0	0	0	0	0	0		0				0	0	0	
Solanum		4																																				
Lamium	_	_		•																					0													
Hyssop	✓	4		4	4		•																0			0	0	0	0									
Campanula	4	_		•			4																0		0	0												
Dalea purpurea	4	4	•	4			4																		0													
Erigeron			4				4																		0													
Tanacetum			4				•																															
Viguiera	_						✓																															
Coronilla	4	4					4																															
Gaura		4																																				
Alcea																																						
Stachys		•																							0			<u> </u>										
Hosta	_	4	•	•																					0													
Chamaebatiaria	4		4	4			•																															
Ratibida	✓		4				4																		0							0						
Rudbeckia	4		4																												0							
Cucumis	4		4		A							\dashv	-																									
Solidago	4		4		4							_	_		_													0										
Origanum	4											_	_									-																
Mentha	4											_																										
Trifolium resupinatum	\checkmark						4																															

Bee genus	Apis	Bombus	Halictus	Osmia	Ceratina	Habropoda	Megachile	ı	Ma	rch			Аp	oril			M	ay			Jui	ne			•	luly	′			Αu	gus	t		Sep	ten	nbe	r
FLOWER SPECIES	₹	<u>8</u>	Ĭ	Ö	Ŭ	운	Š	4	11	18 2	5 1	8	1:	5 22	29	6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26	2	9	16	23	30
Liatris	4						4																														
Foeniculum																																					
Sedum	4				4		4																														
Helianthella	4		4																																		
Physalis																																					
Helianthus	4	4	4	4			4																														
Perovskia	4				4																																
Carthamnus	4																																				
Cucurbita	4	4																																			
Cosmos	4						4																														
Trifolium praetense	4	4																																			
Heliopsis							\checkmark																														
Aster	4																																				
Caryopteris	4	4																																			
Hibiscus rose of sharon	4																																				
Borago		4																																			
Teucrium	4	4																																			
Monarda		4																																			
Ocimum	4																																				
Sophora	4																																				
Aconitum		4																																			
Ericameria	4		4																																		
Tithonia																																					

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