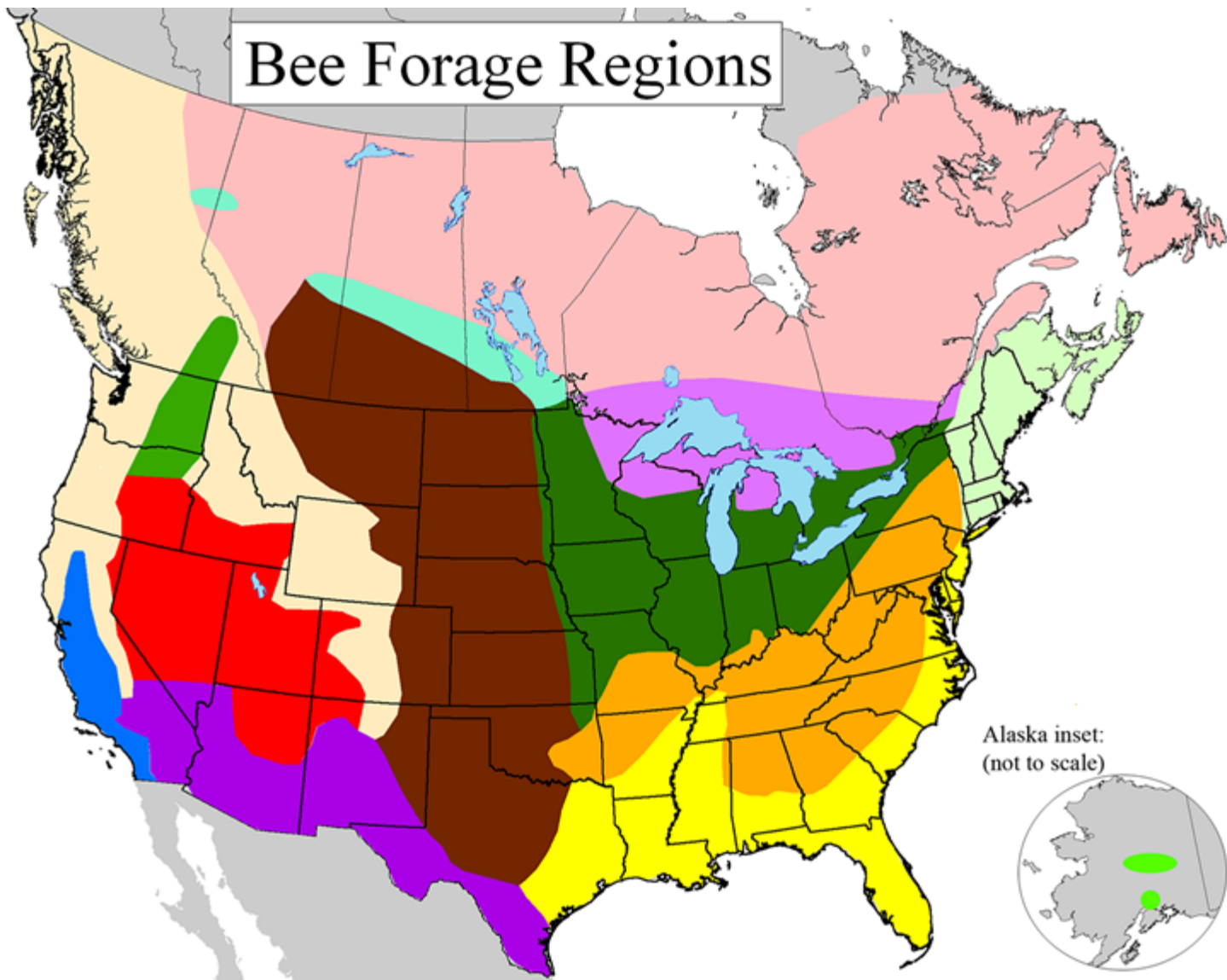


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[HONEY BEE FORAGE MAP](#)

The 14 regions of the Ayers and Harman honey bee forage map are indicated below. These regions are based on natural patterns of land use and flora. Note that selecting the large pink area in the northern boreal region of the Canadian provinces will not provide a list of species at this time. Ayers and Harman indicated that this is not an important beekeeping region. Forage is similar to that of Alaska and is characterized by long harsh winters and a short forage season. Other sources of forage information exist for the region and we will attempt to provide that information as soon as we are able.

Click on the map to see a list of honey bee forage species and their blooming periods for any region within a state.



This map, and the associated species lists that are provided via this map, are based on a map and table produced by George S. Ayers and Jay R. Harman, both of Michigan State University, and provided in Chapter 11 (Bee Forage of North America and the Potential for Planting for Bees) of the book *The Hive and the Honey Bee*, 1992, Graham, J. ed. Dadant and Sons Inc. Hamilton, Illinois.

- Region 3 - South and Central California
- Region 2 - Western Mountains
- Region 5 - Intermountain Region
- Region 4 - Interior Northwest
- Region 6 - Southwest Deserts
- Region 8 - Great Plains
- Region 7 - Aspen Parkland and Peace River Valley
- Region 14 - Boreal Forest
- Region 9 - Northern Great Lakes and Southern Canada
- Region 10 - Agricultural Interior
- Region 11 - Appalachian-Ozark Upland
- Region 12 - Atlantic and Gulf Coastal Plain
- Region 13 - New England and Atlantic Canada
- Region 1 - Alaska



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Curator: [Jaime Nickeson](#)
 NASA Official: [Wayne Esaias](#)
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List of Honey Bee Forage Species within Region 11 for the State of VA

Ordered by Begin Bloom Month

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USDA code	Family	Latin Name	Common Name	Plant Type	Begin Bloom Month	End Bloom Month	Sig
STELL	Caryophyllaceae	<i>Stellaria</i>	Chickweed, stitchwort	F	1	12	N
TAOFC	Asteraceae	<i>Taraxacum</i>	Dandelion, blow-balls	F	2	10	N
VACCI	Ericaceae	<i>Vaccinium</i>	Blueberry, huckleberry	SDB	2	6	N
ALNUS	Betulaceae	<i>Alnus Mill.</i>	Alder	TDB	2	5	N
ULMUS	Ulmaceae	<i>Ulmus</i>	Elm	TDB	2	4	N
PRPE3	Rosaceae	<i>Prunus persica</i>	Peach	TDB, C	2	5	N
PRUNU	Rosaceae	<i>Prunus</i>	Plum (cultivated)	C	3	5	N
RUBUS	Rosaceae	<i>Rubus</i>	Blackberry	S, C	3	6	Y
CERC12	Fabaceae	<i>Cercis</i>	Redbud, judas tree	TDB	3	5	N
FRAXI	Oleaceae	<i>Fraxinus</i>	Ash	TDB	3	5	N
MALUS	Rosaceae	<i>Malus</i>	Apple	TDB	3	5	N
SALIX	Salicaceae	<i>Salix</i>	Willow, osier	TDB	3	6	N
PRAV	Rosaceae	<i>Prunus</i>	Cherry (cultivated)	TDB,C	3	5	N
FRAGA	Rosaceae	<i>Fragaria _ananassa</i>	Strawberry	F	4	5	N
MELIL	Fabaceae	<i>Melilotus</i>	Sweet clover (white/yellow)	F	4	10	N
TRIN3	Fabaceae	<i>Trifolium incarnatum</i>	Crimson / Italian clover	F	4	7	N
TRPR2	Fabaceae	<i>Trifolium pratense</i>	Red clover	F	4	9	N
TRRE3	Fabaceae	<i>Trifolium repens</i>	White, dutch clover	F	4	10	Y
CRATA	Rosaceae	<i>Crataegus</i>	Hawthorn	S	4	6	N
GAYLU	Ericaceae	<i>Gaylussacia</i>	Huckleberry	S	4	6	N
TOXIC	Anacardiaceae	<i>Toxicodendron</i>	Poison ivy, oak	S	4	7	N
LITU	Magnoliaceae	<i>Liriodendron tulipifera</i>	Tulip tree, poplar, whitewood	TDB	4	6	Y
PRAV	Rosaceae	<i>Prunus</i>	Cherry (uncultivated)	TDB	4	5	N
ROPS	Fabaceae	<i>Robinia pseudoacacia</i>	Black locust, false acacia, yellow locust	TDB	4	6	Y
LONIC	Caprifoliaceae	<i>Lonicera</i>	honeysuckle	V	4	9	N
CUCUR	Cucurbitaceae	<i>Cucurbita L.</i>	Pumpkin, squash, gourd	C	5	9	N
CUME	Cucurbitaceae	<i>Cucumis melo</i>	Cantaloupe, muskmelon, casaba,	C	5	8	N

BAVU	Brassicaceae	<i>Barbarea vulgaris</i>	Yellow rocket, winter cress	F	5	6	N
CIIN	Asteraceae	<i>Cichorium intybus</i>	Chicory, succory, witloof, blue-sailors	F	5	10	N
MONAR	Lamiaceae	<i>Monarda</i>	Horsemint, wild bergamot, bee-balm	F	5	9	N
POLYG4	Polygonaceae	<i>Polygonum</i>	Smartweed, knotweed, fleece flower	F	5	11	N
RHUS	Anacardiaceae	<i>Rhus</i>	Sumac, sugar bush, lemonade berry	S	5	8	N
DIVI5	Ebenaceae	<i>Diospyros virginiana</i>	Persimmon, possumwood, date plum	TDB	5	6	N
TILIA	Tiliaceae	<i>Tilia</i>	Basswood, lime tree, whitewood	TDB	5	7	Y
VITIS	Vitaceae	<i>Vitis</i>	Grape	VDB	5	6	N
ZEMAM2	Poaceae	<i>Zea mays</i>	Corn, maize	C	6	9	N
ASTER	Asteraceae	<i>Aster</i>	Aster	F	6	11	Y
BIDEN	Asteraceae	<i>Bidens</i>	Spanish needles, beggar-ticks, bur marigold, stick-tights, pitchforks, tickseed	F	6	10	N
CIRSI	Asteraceae	<i>Cirsium</i>	Thistles	F	6	10	Y
ECVU	Boraginaceae	<i>Echium vulgare</i>	Vipers bugloss, blueweed,	F	6	9	N
EUPEP	Asteraceae	<i>Eupatorium</i>	Boneset, joe-pye weed	F	6	10	N
OXAR	Ericaceae	<i>Oxydendrum arboreum</i>	Sourwood, sorrel tree, titi	TDB	6	7	Y
SOLID	Asteraceae	<i>Solidago</i>	Goldenrod	F	7	11	N
CLAL3	Clethraceae	<i>Clethra alnifolia</i>	Clethra, sweet pepperbush,	S	7	8	N

[RETURN](#) to map

Plant Type codes:

- T - tree
- TDB - tree, deciduous broadleaf
- TEN - tree, evergreen needleleaf
- TEB - tree, evergreen broadleaf
- S - shrub
- SEB - shrub, evergreen broadleaf
- SDB - shrub, deciduous broadleaf
- V - vine
- VDB - vine, deciduous broadleaf
- G - grass
- F - forb (herbaceous flowering plants, non-woody)
- C - crops/cultivated

Sig column

This column indicates whether or not the species is considered a very important nectar source species within the state and region selected. If it is a significant source, it is indicated here with a 'Y' and the row is highlighted.

In this context, important is defined by Ayers and Harman as those species that "reliably produce a large percent of the harvested honey" within the selected region.

For those wishing to see more detailed information about any species in the list, please visit the USDA [PLANTS Database](#) web site and search by any of the first three columns from the table.

This output was derived from Ayers and Harman, Chapter 11 (Bee Forage of North America and the Potential for Planting for Bees) of *The Hive and the Honey Bee*, 1992, Graham, J. ed. Dadant and Sons Inc. Hamilton, Illinois.



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