

**Utah Pollinator Habitat Program
NOT FOR RESALE OR TESTED FOR
GERMINATION RATES**

Plants Included:

15. Annual sunflower (*Helianthus annuus*): Yellow flower that grows 3 to 6 feet tall. Annual. Needs an inch of water per week during the growing season. Needs full sun and well drained alkaline soil. Plant in the spring by placing seed 1 inch deep and 6 inches apart. Thin the plants once they reach a height of 3 inches. Pollinated by bees, butterflies, and moths.

16. Great basin wildrye (*Leymus cinereus*): Ranges in color from green to yellow. Grows 3 to 5 feet tall. Perennial. Needs 8 to 20 inches of annual precipitation and full sun. Grows in clay to sandy soils. Plant in the early spring at a depth of ¼ to ¾ inch. Pollinated by bees, butterflies, and moths.

17. Blue grama grass (*Bouteloua gracilis*): Blue-green seedheads. Perennial less than 6 inches tall. Water twice daily. Full Sunlight. Tolerates a range of soil types. Plant in early summer. Loosen soil to a depth of 3-4 inches. 3,500- 8,000 feet in elevation. Pollinated by wind, but native bees often collect grass pollen for food.

18. Utah sweetvetch (*Hedysarum boreale*): Pink/purple flowers. Perennial 8-24 inches tall. Drought hardy. Full sun. Sandy or rocky soil. Seeded in early spring or late fall. Drill seed ¼ to ½ inch deep. 4,000-8,000 feet in elevation. Pollinated by bees and butterflies.

19. Winding sego lily (*Calochortus flexuosus*): White flowers. Perennial 18 inches tall. Low water requirement. Full sun. Sandy soil. Moderate elevations. Plant in early spring, summer, or fall. 4,800-9,800 feet in elevation. Pollinated by butterflies.

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20. Great Basin lupine (*Lupinus nevadensis*): Lavender flowers. Perennial. Grows 1-3 feet. 1 inch of water per week. Plenty of light, heat tolerant. Well drained, medium to fine textured soil. Plant late fall/early winter. Plant ½ to ¾ inch deep. Pollinated by native bees, hummingbirds, butterflies, moths.

21. Silvery lupine (*Lupinus argenteus*): Blue and purple flowers. Perennial. Grows 1-4 feet. 1 inch of water per week. Full sun, drought tolerant. Dry, rocky, sand, loam, clay - well drained soil. Plant in fall. Pollinated by butterflies, bumble bees, hover flies, hummingbirds. *Seeds can be toxic to humans/animal*

22. Thicketleaf penstemon (*Penstemon pachyphyllus*): Blue to purple flowers. Perennial. Grows 1-26 inches. 1 inch of water per week. Full sun and light shade. Gravelly, sandy, well-drained soil. Plant late fall. Plant ⅛ no more than ¼ inch into a firm seedbed. Pollinated by large bumblebees.

23. Coyote tobacco (*Nicotiana attenuata*): White flowers. Annual. Grows 20-60 inches. Provide 1 inch of water per week. Full sun. Moderately acidic soil with a pH of 5.8. Plant in fall/winter. Seed on the surface of soil by pressing in and keeping moist until germination. Pollinated by hawkmoths at night, hummingbirds, and bees. *Gives off tobacco scent when touched*



Scan QR code for more information about each plant species, and information about the Utah Pollinator Habitat Program.

**Utah Pollinator Habitat
Program Seed Pack**

- This seed pack contains six to eight plant species known to attract pollinators.
- The pack provides enough seed to cover an area of 10 x 10 square feet.
- Each internal package number corresponds to the numbered species that are described in this pamphlet.

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UDAF, DWR, USDA, SUU, USU

Made possible by UT HB 224: Pollinator
Amendments (2021), sponsored by
Representative Ashley Matthews and
Senator Evan Vickers



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1. Common gaillardia (*Gaillardia aristata*): Red and yellow flowers. Perennial that grows to 24-36 inches tall and 12-24 inches spread. One inch of rain or watering per week. Warm weather, full sun. No particular soil pH. Plant in early spring. Lightly cover seeds in soil when planting. Pollinated by many species of bees.

2. Desert globemallow (*Sphaeralcea ambigua*): Orange flowers. Perennial that grows to 3 feet in height and 2-3 feet wide. Low water requirements, occasionally watering. Plant in areas with full sun. Dry, rocky, or sandy soil. Plant in the early spring. Plant seeds about 1/2 inch deep and spaced at least 2-4 feet apart. Pollinated by native bees and butterflies.

3. Firecracker penstemon (*Penstemon eatonii*): Red tubular flowers. Perennial that grows 2-3 feet tall. 3 Feet wide. 1 inch of water per week. Warm weather and full sun. Well-drained desert soil. Sow seed in fall and cover with 1/8-inch soil. Pollinated by bees, moths, and butterflies, also a favorite of hummingbirds.

4. Munro globemallow (*Sphaeralcea munroana*): Pale orange to brick-red flowers. Perennial that grows to 8-32 inches tall. The annual precipitation requirement is from 6 to 15 inches. Warm weather, full sun. Rocky to sandy soil. Plant in early spring. 1/2 inch depth with 24-40 inches within-row spacing. Pollinated by many species of bees.

5. Whitestem rubber rabbitbrush (*Chrysothamnus nauseosus hololeucus*): Golden flower clusters. Perennial that grows 2-4 feet tall and wide. Drought tolerant. Precipitation is enough with no additional watering. Tolerates many soil types. Plant in the early spring when the ground is moist and cool. Pollinated by carpenter bees, monarch butterflies, and many other pollinators. Can be invasive if overwatered!

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6. Dusty penstemon (*Penstemon comarrhenus*): Purple flowers. Perennial. Height 2-3 ft tall, 1 ft wide. Plant in late spring, when night time temperatures reach a minimum of 40 degrees. To plant, loosen soil and bury two inches deep. 6" apart. 3 seeds per hole. Lightly water. Warm dry areas are best. Water 1- 3 inches per week. Direct Sunlight. Well drained soil. Pollinated by bees, butterflies, moths.

7. Lewis flax (*Linum lewisii*): Small purple flowers. Perennial. Height 1-2 ft. x 1 ft wide. Plant in late spring, when night time temperatures reach a minimum of 40 degrees. To plant, loosen soil and bury two inches deep. 6" apart. 3 seeds per hole. Plant in well drained soil. Lightly water after planting. Warm dry areas are best. Water 1-3 inches per week. Direct Sunlight. Pollinated mostly by bees and butterflies.

8. Nevada showy goldeneye (*Heliomeris multiflora*): Yellow flowers. Perennial. Height 2-4 ft x 1-2 ft. Plant in late spring, when night time temperatures reach a minimum of 40 degrees. To plant, loosen soil and bury two inches deep. 6" apart. 3 seeds per hole. Plant in well drained soil. Lightly water after planting. Warm dry areas are best. Water 1 to 4" weekly. Lots of sunlight. Pollinated mainly by bees

9. Prairie aster (*Machaeranthera tanacetifolia*): Purple flowers. Annual. Height 6-24". Plant in late spring, when night time temperatures reach a minimum of 40 degrees. To plant, loosen soil and bury two inches deep. 6" apart. 3 seeds per hole. Plant in well drained soil. Lightly water after planting. Warm dry areas are best. Water 1-4" a week. Direct Sunlight. Pollinators: Mostly Bees and Butterflies

10. Rocky Mountain beeplant (*Cleome serrulata*): Pink/Purple flowers. Annual. Height 2-5 ft. Plant in late spring, when night time temperatures reach a minimum of 40 degrees. To plant, loosen soil and bury two inches deep. 6" apart. 3 seeds per hole. Plant in well drained soil. Lightly water. Warm dry areas are best. Water 1-3" a week. Full Sunlight. Pollinated by bees, wasps, and butterflies.

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11. Showy milkweed (*Asclepias speciosa*): Light purple flowers. Perennial. Height 1-5 Ft. x 1 Ft. wide. Plant in late spring, when night time temperatures reach a minimum of 40 degrees. To plant, loosen soil and bury two inches deep. 6" apart. 3 seeds per hole. Plant in well drained soil Lightly water. Warm dry areas are best. Water 1- 3 inches per week. Full Sunlight. Pollinated by butterflies.

12. Muttongrass (*Poa fendleriana*): A green bunchgrass that reaches a height of 0.7 to 2.5 feet. Perennial. It is a drought hardy plant, only requiring 10 to 22 inches of water per year. Grows in full to partial shade and in well drained clay to sandy alkaline soils. Best to plant in the early spring or late fall. Place seed 1/4 inch deep and spaced 24 to 36 inches apart then cover with soil. Wind-pollinated, but native bees often collect grass pollen for food.

13. Sulfur flower buckwheat (*Eriogonum umbellatum*): Flowers range in color from yellow to orange and reach a height of 10 to 12 inches. Perennial. Only requires 8 to 18 inches of water per year. Grows in full to partial sun. Requires well drained sandy soil. Best to plant in the fall. Place the seed in a small hole and cover with 1/4 inches of soil. Pollinated by bees and butterflies.

14. Yellow beeplant (*Cleome lutea*): A yellow flower that grows anywhere from a few inches to 5 feet. Annual. It has low water needs and is drought tolerant. Requires full sun. Needs sandy soil that is moist but well drained. Plant seeds in the fall at a depth of 1/2 inches with 6 inch spacing. Pollinated by bees and butterflies.