



# GLEANERS' HANDBOOK

*Riverside Nature Center  
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Kerrville, TX 78028*

*Revised 2011*



## THE GLEANERS' HANDBOOK

Welcome to the Gleaners group of Riverside Nature Center. We are an informal group of volunteers brought together by our interest in and appreciation of Hill Country wildflowers. There are no dues, fees or other requirements for joining us. You may participate as much or as little as you choose in our various activities, which include a bit of botany, wildflower observation and identification, plant rescue from properties to be developed, and caring for the wildflower meadow at Riverside Nature Center. We also glean seeds from wildflowers to exchange with each other for our gardens, to plant at Riverside, and to share with others in our community with an interest in maintaining our native wildflower diversity.

Beginning in 1995, Edith Bettinger, the founder of the Gleaners, developed the information found in the Gleaners' Handbook. She developed for us a very useful botanical key to use in identifying wildflowers; she also provided a very concise description of plant families. We are forever indebted to Edith for her dedication and her willingness to share her knowledge and for inspiring so many of us. A special thanks to Alma Hobson who helped to clarify the words with her sketches.

In 2011, a major revision of the Handbook was undertaken. Scientific names were updated. The section on Wildflowers of Kerr Co. was expanded to include surrounding counties and was turned into a checklist for those of us who want to keep track. We have also provided a list of helpful websites.

A special thanks to Barbara Lowenthal, Julie Clay and John Huecksteadt who spent many hours working on this revision.

2011 Revision

# GLEANERS' HANDBOOK

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## NOTES ON KERR COUNTY WILDFLOWER FAMILIES

(Botanical data based on Correll & Johnston 1970, with some characteristics added which may not apply to species not found in Kerr Co. Texas. Additional references were used in the 2011 revision and are noted at the end of this section. Not all of our species in a family or all the plants in a species will fit the descriptions, but knowledge of these family profiles is a first step toward identifying most of our local wildflowers.)

Terms that would be helpful in understanding this section:

Bract – modified, greatly reduced leaf just below the flower or flower cluster

Calyx – collectively, outer whorl of flower parts, usually green

Corolla – the petals collectively

Inferior ovary – ovary positioned below floral organs

Panicle – branched (compound) flower head/cluster with raceme-like flowers

Raceme – elongated, unbranched (simple) flower head/cluster

Radial – familiar wheel-like shape

Sepals – leaf-like segments of calyx

Stipules – paired appendages found at the base of the leaf stem (petiole).

Tepals – corolla and calyx usually not easily differentiated.

**A. MONOCOTS** – leaf veins parallel most of length (grass-like). Flower parts in multiples of 3. Fruit a 3-section capsule. About 50,000 species worldwide. Monocots have a single seed-leaf (cotyledon), which is the first leaf to appear after the seed germinates.

1. AGAVE, CENTURY-PLANT, YUCCA FAMILY – AGAVACEAE (Genera moved from other families)

Leaves elongated, thickened, fleshy or leathery, narrow, flat or concave, often sharp-pointed, usually crowded near base of stem (on apex of stem in tree-like yuccas). Flowering stems with alternate leafy bracts. Flowers in racemes or panicles. Tepals 6 in 1 or 2 rows. 6 stamens. 1 pistil. Fruit a capsule. Worldwide about 550 species in 18 genera; in our area 8 species in 3 genera.

**agave, century-plant, twist-leaf yucca**

2. SPIDERWORT FAMILY – COMMELINACEAE

Stems succulent with knotted nodes. Leaves alternate, flat or somewhat channeled, sheathed at base. 3 sepals. 3 petals which last less than 1 day. 6 stamens, often bearded with colored hairs. Often bears long leaf-like bracts below flower. Worldwide about 650 species in 41 genera; in our area 8 species in 3 genera. **false dayflower, spiderwort, widow's tears**

3. LILY FAMILY – LILIACEAE (AMARYLLIDACEAE FAMILY now lumped in with LILIACEAE FAMILY)

Perennials. Flowers of 2 series of 3 segments (tepals), not usually differentiated into corolla and calyx. 6 stamens, 1 pistil. Fruit 3-celled. Seed often numerous, flat, black. Worldwide about 4,950 species in 288 genera; in our area 16 species in 12 genera. **crow-poison, green lily, rain lily, wild onion**

4. IRIS FAMILY – IRIDACEAE

Leaf bases folded over one another in fan pattern. Leaves alternate or basal, long and flat or somewhat pleated. Flowers arise from spathe-like bracts and bear 2

### Section I - 1

series of 3 segments each, all colored. Ovary inferior. Seeds few to many. World-wide about 1,700 species in 82 genera; in our area 4 species in 2 genera. **blue-eyed grass, celestial**

**B. DICOTS** – Leaves net-veined. Flower parts in 4's and 5's. Nearly 4/5 of all flowering plants. Dicots have two seed-leaves (cotyledons), which are the first two leaves to appear after the seed germinates.

1. ACANTHUS FAMILY – ACANTHACEAE

Leaves opposite, usually not toothed or lobed. Flowers 2-lipped to bilaterally symmetrical, united at base, 5-lobed or 2-lipped. Fruit a 2-celled capsule. 2-10 seeds per cavity. Worldwide about 3,450 species in 229 genera; in our area 12 species in 7 genera. **flame acanthus, ruellia, snake-herb, tube-tongue, water-willow**

2. ASTER FAMILY – ASTERACEAE (formerly COMPOSITAE)

There are 12 tribes. Flowers tiny, in dense heads with bracts (phyllaries) underneath. Individual flowers tubular. Inner (disk) flowers 5-lobed, usually with both stamens and pistil. Outer (ray) flowers, if present, 1-,3- or 5-toothed at apex. In Chicory (Dandelion) tribe, all ray flowers with 5-toothed at apex. Stamens form tube, usually black, from which arises the branched stigma. Fruit a single seed, often crowned with a pappus (bristles or scales). Worldwide about 21,500 species in 1,528 genera; in our area 156 species in 41 genera. **aster, Barbara's buttons, basketflower, bitterweed, blackfoot daisy, brown-eyed Susan, cowpen daisy, dandelion, dogweed, Engelmann's daisy, fleabane, frostweed, gayfeather, goldenrod, golden-wave, greeneyes, greenthread, hymenoxys, Indian blanket, ironweed, lazy daisy, least daisy, Mexican hat, musk thistle, purple coneflower, sneezeweed, straggler daisy, sunflower, Texas blueweed sunflower, Texas thistle, Texas dandelion, skeleton plant, yarrow, zexmenia**

3. BORAGE OR HELIOTROPE FAMILY – BORAGINACEAE

Usually bristly. Stems round. Leaves alternate, simple. Flower solitary or in cymes, usually one-sided and coiled. Calyx deeply lobed, irregular. Corolla 5-lobed, edges often ruffled, mostly blue, white or yellow, commonly with folds or appendages in throat. Stamens 5. Fruit fleshy or more often, hard, breaking into 4 sections. Worldwide about 2,300 species in 130 genera; in our area 16 species in 9 genera. **false gromwell, puccoon, white heliotrope**

4. CROWFOOT OR BUTTERCUP FAMILY – RANUNCULACEAE

Leaves often palmately divided or lobed. Flowers radial (except larkspur, often showy). Pistils 1 to many, separate. Stamens usually numerous, spirally arranged. Worldwide about 2,500 species in 60 genera; in our area 15 species in 5 genera. **anemone, buttercup, clematis, larkspur**

5. EVENING PRIMROSE - ONAGRACEAE

Stipules minute or absent. Sepals and petals 4 or 5. Flowers axillary, often large and showy. Most open afternoon, shrivel next morning. Corolla white, rose or yellow. Stamens as many as petals or twice as many. Fruit often a ridged cylinder, with sections opening outward at top, containing numerous seeds. Worldwide

about 650 species in 18 genera; in our area 24 species in 5 genera. **gaura, river primrose, square-bud primrose**

6. FIGWORT OR SNAPDRAGON FAMILY – SCROPHULARIACEAE

Leaves often opposite. Flowers in racemes. Sepals 4 or 5. Corolla usually bilaterally symmetrical or 2-lipped, petals 4 or 5 lobes, tube often swollen. Fruit a 2-celled capsule, many-seeded. Worldwide about 5,100 species in 269 genera; in our area 25 species in 13 genera. **agalinis, climbing snapdragon, mullein, paintbrush, penstemon, toad-flax**

7. GENTIAN FAMILY – GENTIANACEAE

Smooth surfaces. Leaves opposite or whorled, simple without stipules. Flowers radially symmetrical, mostly pink, blue or purple. Stamens alternating with corolla lobes. Fruit a 2-valved, many-seeded capsule. Worldwide about 1,225 species in 78 genera; in our area 5 species in 3 genera. **bluebell gentian, meadow-pink, mountain pink**

8. GERANIUM FAMILY – GERANIACEAE

Leaves lobed or divided, stipules. Flowers radially symmetrical, petals 5, usually pink, red or purple. Stamens 5 or 10. Seeds with conspicuous long beaks. Worldwide about 700 species in 11 genera; in our area 3 species in 2 genera. **pin clover, storksbill, wild geranium**

9. LEGUME OR BEAN FAMILY – FABACEAE (formerly LEGUMINOSAE)

Stipules usually well-developed. Leaves usually compound. Flowers rarely solitary, bilaterally symmetrical. Sepals 5, often fused. Petals 5, basically. Fruit a pod splitting in two (legume) with seeds arranged in 2 alternating rows. Worldwide about 16,400 species in 657 genera; in our area 91 species in 36 genera.

Mimosa Subfamily: Leaves pinnately twice-compound. Flowers small, mostly in tight heads. Stamens in multiples of 4, usually greatly exceeding petals in length. **sensitive briar**

Caesalpinia or Senna Subfamily: Flowers weakly bilaterally symmetrical, often large, showy, yellow. Petals 5, stamens 5-10. **partridge pea, senna**

Pea Subfamily: Leaves never pinnately twice-compound. Flowers usually strongly bilaterally-symmetrical, with banner, 2 lateral wings, and 2 lower petals joined into a keel. **bluebonnet, clover, dalea, milkvetch, psoralea, scarlet pea**

10. MALLOW FAMILY – MALVACEAE

Stalked leaves and stipules. Leaves usually palmately veined, often with pubescence. Some species have bracts below flower. Sepals 5. Petals 5, united at base to stamen column. Stamens numerous, projecting from column, which is topped by branched style. Fruit a wheel-shaped capsule with seeds in a single row around edge. Worldwide about 1,800 species in 111 genera; in our area 20 species in 11 genera. **Indian mallow, rose pavonia, sida, winecup**

11. MILKWEED FAMILY –ASCLEPIDACEAE

Climbing or not. Milky sap (except Orange Milkweed). Leaves opposite (mostly), alternate or whorled, simple; margins entire or undulate. Worldwide about 2,900 species in 315 genera; in our area 18 species in 4 genera. (Similar family APOCYNACEAE, flowers do not have corona or gynostegium.)

Milkvine – Matelea: Trailing, climbing, twining. Flowers 2 to few, axillary. Corollas rotate. **purple milkweed vine, pearl milkweed vine, plateau milkweed vine**

Milkweed - Asclepias: flowers solitary in umbel-like raceme, with a distinctive corona and a gynostegium (a combined structure made up of stamens and pistals). **antelope horn, orange milkweed, Texas white milkweed**

Swallow-wort – Cynanchum: Twining vines, inflorescence axillary. Flowers in raceme in one series. Follicles (seed pod) smooth, lanceolate in outline. **cynanchum, talayote**

Twinevine – Funastrum (Sarcostemma): Vines twining; flowers in umbel-like clusters in leaf axils; follicles smooth, not angled. **climbing milkweed, wavy-leaf milkweed vine**

12. MINT FAMILY – LAMIACEAE (formerly LABIATAE)

Square-stemmed. Leaves opposite or whorled. Often aromatic. Calyx 2-lipped. Corolla 2-lipped, upper 2 petals joined and enclosing stamens. Lower lip spreading, 3-lobed. Stamens 2 or 2 unequal pairs. Style 2-part, 4-lobed. Fruit 4 nutlets joined at base. Worldwide about 6,700 species in 252 genera; in our area 29 species in 10 genera. **beebalm, brazoria, germander, salvia, skullcap**

13. MUSTARD FAMILY – BRASSICACEAE (formerly CRUCIFERAE)

Pungent sap. Leaves alternate or basal. Flowers usually radially symmetrical, in terminal racemes. Sepals 4, petals 4 in a cross arrangement, yellow, white or lavender. Stamens 4 long, 2 short. Fruit a 2-section capsule, usually round or flattened and on a thin stalk. Worldwide about 3,250 species in 365 genera; in our area 22 species in 8 genera. **bladderpod, pepper-grass, whitlow-grass**

14. NIGHTSHADE OR POTATO FAMILY – SOLANACEAE

Corolla radially symmetrical, usually 5-angled or 5-lobed, mostly yellow, white or purple, tubular at base. 5 stamens, often forming with pistil a large colorful berry. Worldwide about 2,200 species in 94 genera; in our area 24 species in 11 genera. **ground-cherry, nightshade**

15. PARSLEY OR CARROT FAMILY – APIACEAE (formerly UMBELLIFERAE)

Stems commonly hollow. Leaves alternate, much-cut or divided, with leaf stalks that wrap around stem. Flowers small, in umbels, with 5 petals, white or yellow. Fruit 2-ribbed seeds, separating at bottom at maturity. Seed sometimes barbed. Worldwide at least 200 genera; in our area 21 species in 16 genera. **bishop's weed, daucosma, eryngo, wild carrot**

16. PHLOX FAMILY – POLEMONIACEAE

Leaves usually opposite or whorled. Corolla radially symmetrical, 5 petals partly united into a salverform or bowl-shaped corolla, 5 stamens. 5 sepals. Fruit a 3-

part capsule. Worldwide about 290 species in 18 genera; in our area 6 species in 3 genera. **gilia, phlox, standing cypress**

17. PIPEVINE OR BIRTHWORT FAMILY – ARISTOLOCHIACEAE

Climbing or not. Leaves alternate, simple, palmately veined; bases cordate or triangular. Flowers without petals with a curved, pipe-like 3-merous (parts of set) calyx. Fruit capsule. Worldwide about 600 species in 5 genera; in our area 4 species in 1 genus. **Cory's dutchman's pipe, swan flower, Virginia dutchman's pipe**

18. SPURGE FAMILY – EUPHORBIACEAE

Often with milky sap. Leaves usually alternate, at times opposite. Flowers male or female, usually without petals, sometimes surrounded by showy bracts. Fruit often 3-celled capsule. Most considered weeds and most poisonous. Worldwide about 8,100 species in 313 genera; in our area 48 species in 12 genera. **snow-on-the-mountain, wild poinsettia**

19. WATERLEAF FAMILY – HYDROPHYLLACEAE

Leaves often intricately lobed or divided. Calyx deeply lobed. Corolla tubular to bowl-shaped, with 5 lobes, mostly blue or purple. Worldwide about 270 species in 18 genera; in our area 7 species in 3 genera. **baby-blue-eyes, blue-curly, sand bells**

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*By Edith Bettinger 1995, updated 2011*



# GUIDE TO THE WILDFLOWERS OF KERR COUNTY

## INTRODUCTION

Welcome to the **Guide to the Wildflowers of Kerr County**. Becoming familiar with this Guide and learning the terminology (see the glossary) should help you in your identification and enjoyment of the wildflowers of Kerr County.

The Guide focuses primarily on the flowers and also considers habit, leaves, and seeds. Page references in the volume **Wildflowers of the Texas Hill Country** by **Marshall Enquist** are found at the end of each description in parenthesis. For example:

1. Flowers **brownish**, not radially symmetrical. April-July. **chatterbox orchid** (14)

## How to Use the Guide

When you find a flower unfamiliar to you look carefully at the flower shape, number of petals, and positions of the leaves on the stem. Then go to the **Guide**. Find the section that best fits the flower. Paying attention to those descriptions, you should be able to narrow your search. Finally go to the referenced page in **Wildflowers of the Texas Hill Country**.

Following these steps should help you learn the Family, Genus and Species of the flower.

Part II identifies "**composite**" flowers in the ASTERACEAE FAMILY. If your flower seems to be a tight head of tiny tubular flowers encircled (in most cases) by a row of ray petals, turn directly to Part II. (Sunflowers, daisies, thistles and dandelions are examples of composites.) Consult the glossary for some of the terminology used in that part.

- For navigating Part I, you need some terminology having to do with flower shape and arrangement of leaves on the stem:

Flower (corolla) shape:

**Radial** - the familiar wheel-like shape.

**A bilateral** flower can be sliced into only two equal parts. Many such flowers are **2-lipped** – the 5 petals are joined from the base with the tips extending as unequal lobes (e.g. Salvia)

**Joined:** "Free" petals are separately attached at the base. "Joined" petals are either: 1) united lightly at the base; 2) form a tube under spreading lobes (Phlox); 3) tubular or bell-shaped with small extended lobes (Standing Cypress); or 4) united with no extended lobes (Morning Glory).

Leaf arrangement on the stem is characteristically alternate, opposite, or whorled:

**Opposite** – a pair of leaves originating from the same level (node) on the stem, giving an orderly effect.

**Whorled** – more than two leaves originating from the same level.

**Alternate** (most common) – each leaf coming from a different stem level.

## PART I. GUIDE TO GENERA OTHER THAN COMPOSITES (ASTERACEAE FAMILY)

(For plants with flower heads of numerous tiny tubular disk flowers, often with a circle of ray flowers, go to PART II.)

### A. Flowers of unusual structure

1. Petal-like **white** bracts; milky juice; fruit 3-seeded capsule:
  - a) Showy flowers; stinging. Spring-Fall. **bull-nettle** (89)
  - b) Upper foliage green/white. Fall. **snow-on-the-mountain** (90)
2. Plant 12-18"; leaves toothed; flowers minute, in dense **red** spikes. Spring-Fall. **three-seeded mercury, cardinal feather** (87)
3. Plant 8", foliage deeply divided, light-green; flowers **yellow**, ½" tubes with 2-lipped ends, in loose spikes. Seedpods slender, erect. Early Spring. **scrambled-eggs** (36)
4. Plants prickly or bristly; juice whitish or colored; petals 4 or 6, showy **yellow or white**; fruit top-opening, many-seeded capsule. March-May. **poppy** (35)
5. Leaves heart-shaped or elongated; petals none; sepals 3, petal-like, **reddish-brown**, pipe-shaped, inflated; stamens 12; fruit capsule with numerous triangular seeds. Spring-Summer. **dutchman's-pipe** (not in Enquist)
6. Colorful bracts in dense spikes, showy, **red to yellow**; flowers tubular, inconspicuous; fruit hard 2-part capsule, fine dark seeds. Spring. **paintbrush** (189)
7. Petals 3 or 5, tiny, **white or purple**, forming boat-like central tube with 2 as wings; 8 stamens; dryland plants. April-October. **milkwort** (86)
8. Flowers **purple**, minute, in cylindrical head, with spiny purple bracts above and below. Fall. **eryngo** (125)
9. Perennial flowers in spires; sepals and petals 4 or 6, free, radial; calyx 6-ribbed, cylindrical; petals pink, tiny. May-August. **loosestrife** (111)

### B. Petals 3 or 6 (tepals). Leaves smooth, Parallel veins. Perennials. (Monocots)

2. Flowers **brownish**, not radially symmetrical. April-July. **chatterbox orchid** (14)
3. Erect, 1-2'; upper leaves to 3", heart-shaped, clasping stem; face-like flowers; petals 2 **light-blue** and 1 tiny **white**. April-July. **false dayflower** (3)
4. Few stems to 3'; 2 long slender bracts beneath flower; boat-shaped spathe encloses buds, seeds; flowers with two bright **blue** petals and one tiny white. May-October. **widow's tears** (4)

5. 2', erect; upper part hairy; slender leaf-like bracts beneath flowers; leaf base sheathes stem; sepals 3, green; petals 3 **bluish purple**. Early Spring. **spiderwort** (4-5)
6. Upright flowering stalk 1-2'; sturdy leaves arching, trailing; flowers ½"; 6 equal **white** tepals with conspicuous stamens, in dense wide racemes to 7" tall. Early Spring. **death camas** (6)
7. Flower stalk erect, 18"; leaves narrow, grass-like, arching and trailing on ground; flowers tiny, crowded on slender spikes 2-3" tall with conspicuous **white** stamen. April-May. **green lily** (7)
8. Leaves 7"x1/8"; flower stalk 6-8" tall; no onion odor; flowers **white**, ½"; 6 tepals with yellow center; 3-part fruit with numerous flat black seeds. Spring-Fall. **crow-poison** (7)
9. Leaves 7"x1/16"; flower stalk 6-8" tall; onion smell; flowers **pink, pinkish-white**, veined purple, ½", in loose clusters. 3-part fruit with flat black seeds. Spring. **wild garlic** (8)
10. Sturdy leaves from base, to 10"; flower stalk 5"; 1-6 flowers, to 1', of **pale blue** tepals with a conspicuous crown in center. Early Spring. **funnel-flower** (10)
11. Ovary inferior; flowers **white**; papery bracts at base of flower tube; fruit 3-part capsule. After rain. **rain-lily** (12)
12. Leaves flat, sword-like, flatly packed at base; flowers **blue**, stamens 3; spathe beneath flower; fruit round 3-seeded capsule. Early spring. **blue-eyed grass** (13)
13. Pleated leaves, 12"x1/4"; flowers **pale blue** with white center, spathe beneath flower; fruit round 3-seeded capsule. Spring. **celestials** (13)

## C Petals 4

1. Petals **blue**, small, one wider than other 3. January-May. Introduced. **speedwell** (187)
2. Leaves palmately compound, sticky, smelly; petals clawed, **white**; stamens purple, elongated; fruit bean-like pod with flat brown seeds. May-July. **clammy-weed** (43)
3. Rare. Erect, 3'; smooth leaves clasp stem; **purple** flowers 1" in raceme, petals narrow at base; fruit a round or long slender 2-part capsule (silique) on thin stem. Spring. **twist-flower** (37)
4. To 1'; leaves linear, dense, hairy; flowers **yellow** in small clusters; fruit round, on stems. Spring. **bladderpod** (40-42)
5. Leaves opposite or whorled; stems square, jointed; petals (lobes) in tiny cross, **white or pastel**; twin rounded seeds. April-November. **baby's breath, bluets** (197)
6. Semi-woody, 1-2'; leaves linear, slightly toothed, 2"x1/3"; petals free, **yellow**; ovary inferior, elongated; pistil bulb-like; fruit a stiff cylindrical capsule with fine seed. March-August. **square-bud primrose** (113)
7. Plant sprawling, bushy, to 18" tall; lower half of leaf lobed; flowers **pink**, ovary inferior, pistil 4-branched, conspicuous; fruit a stiff cylindrical capsule with fine seed. Spring-Summer. **pink evening primrose** (116)

8. Woody base, sprawling stems 5"-12"; leaves 3-4" long; flowers **yellow**, to 3-1/2"; ovary inferior; pistil 4-branched; fruit a showy winged pinkish seedpod to 2-1/2". April-August. **Missouri primrose** (116)
9. Erect, 1-3'; leaves toothed, 1-3"; flowers with 4 narrow, **white-to-rose**, upright petals, shaggy stamens and pistil hanging, in raceme 1-3" tall, fragrant; thin ridged capsule with dust-fine seed. Spring. **gaura** (113-115)
10. In wetlands, erect, much-branched, 1-4' tall; narrow leaves to 4"; ridged stems; flowers **yellow**, somewhat flat with the calyx tips showing between petals; fruit a brown ridged cylinder with the four-lobed calyx on top. July-October. **water- primrose** (119)
11. Large, delicate-looking plant, 3-7'; narrow leaves 1-1/4" to 2-1/4" stand up close to stem; Dense spikes of 1/4"; flowers **white**. July-October. **false gaura** (119)
12. Bushy plant 2', in moist shade; leaves elongated heart-shaped with wavy margins; short racemes of 3/16"; flowers **white to pink**; fruit showy red berries. May-October. **pigeon-berry** (21)

#### **D. Petals 8 or more**

1. Small vines with highly variable 3-lobed leaves, some with silver streaks down main veins; intricately-structured; flowers 3/4", **white or pale green**; fruit a small black berry or large red berry. May-October. **passionflower** (105,106)
2. Plant with 1-3' erect or reclining stems; leaves dissected and lobed; flowers showy, **yellow**; petals 8-16. March-April. **buttercup** (26)
3. Leaves with 3 segments, each with 3 scalloped lobes, almost flat on ground, often purple on underside; flower stalk 6-12"; petals absent; sepals 10-14 petal-like, **white, pink or purple**; a central column holds numerous stamens and pistils, and elongates to bear cottony-wrapped seed. Early Spring. **anemone** (28,29)

#### **E. Petals 5. Flowers radial, in clusters. Leaves opposite. Milky sap (Milkweed Family)**

1. Flowers somewhat succulent, united at base, most with crowns; fruit large capsule, seed flat with tuft of white hairs. (Orange Milkweed is without milky sap.) Perennials. Spring-Summer depending on species. **milkweed** (135-139)
2. Vines; leaves heart-shaped, hairy; flowers **green or dark brown**. Spring-Summer. **milkweed vine** (139-140)
3. Vine to 6'-8'; leaves narrowly lanceolate; drooping clusters of flowers,
  - a. Flowers **maroon**; leaves with wavy margins. April-June. **wavy-leaf milkweed vine** (141)
  - b. Flowers **whitish** in round clusters. May-September. **twine-vine** (141)
4. Twining vine to 6'-8'; leaves narrow, to 1-1/2" long; flowers 1/5" long, **white**, in loose clusters. May-August. **cynanchum** (141)

**F. Flowers radial. Leaves opposite**

1. Several stems to 12"; linear leaves to 1-1/2"; flowers 1/2" or less; petals **red or yellow**, clawed. Summer-Fall. **thryallis** (85)
2. Corolla **yellow**, united at base, 1/2"-1 1/2" wide. June-September. **Menodora** (130)
3. Stems to 18"; leaves gray-green, wavy margins; funnel-shaped corolla (actually calyx), **red**, with long stamens, in clusters to 3" across. March-November. **scarlet musk-flower** (19)
4. 2', slender; leaves linear 2"; flowers **pink**; fruit rough, cigar-shaped, hanging from the saucer-like bract. April-October. **wild four o'clock** (19)
5. To 3', often trailing; leaves pleated, oval, 2"; flowers minute, **purple-red**, in tight clusters. May-October. **scarlet spiderling** (20)
6. Flowers **rose to lavender, occasionally white** with flat lobes on slender tube, white and dark markings at center. February-May. **phlox** (149, 150)
7. Erect, multiple-branched plant 5-10"; leaves linear, 1"; flowers **pink**. May-July. **mountain pink** (132)
8. 18"; stems one or more, erect; leaves heart-shaped, smooth, gray-green; flowers **blue-purple**, dark center, conspicuous yellow pistil; fruit a hard capsule with dark, dust-fine seed. June-October. **bluebell gentian** (133)
9. 10" or less; leaves ovate; square stems; flowers **salmon-colored**, 3/8", with darker center; fruit round, 3/16". March-May. Introduced. **scarlet pimpernel** (128)

**G. Flowers radial, joined all or most of petal length. Leaves alternate**

1. Viney; flowers funnel-shaped, showy, **white or blue**, throat often contrasting; capsule crisp round; seeds many. April-October. **morning-glory** (142-145)
2. Stem usually single to 5'; leaves dark-green, threadlike; flowers **red**, trumpet-shaped, in spires; fruit crisp ellipsoid capsule with numerous chunky, light-colored seed. May-July. **standing cypress** (147)
3. 6-10"; leaves hairy, ovate, somewhat wavy, flower pale **yellow** with dark center marking, 3/4" wide; fruit a berry 3/8" within a balloon-like green calyx. April-October. **yellow ground cherry** (177)
4. Stems usually trailing; leaves cut into narrow lobes, hairy; flowers **yellowish white** with gray marks near center. April-May. **false nightshade** (177)
5. To 2'; leaves mostly hairy; corolla 5-pointed, **purple, yellow or white**, with prominent yellow stamens; fruit a berry or bur. Summer-Fall. **nightshade** (178-179)
6. Widely-branching, 2-4' tall; hairy; leaves ovate with one-sided base, to 8" long; flowers funnel-shaped, **white**, to 8" long; fruit a spiny capsule with light-brown, kidney-shaped seeds. April-October. **jimson-weed** (180)

7. 2' tall; central stem with several branches; leaves sparse, often fiddle-shaped, clasping stems; flowers **white**, salver-shape, 2-1/2" long and 1" wide. March-Sept. **fiddle-leaf tobacco** (180)

#### **H. Flowers radial. Pistil and stamens in protruding column. Leaves alternate (Mallows)**

1. Bushy, to 4'; leaves to 4"x4", with shallow lobes; flowers **red**, with petals wrapped around protruding pistil. Fruit an apple-like red berry, 3/4" across. June-October. **turk's cap** (96)
2. Semi-woody, leafy, to 3' tall; leaves ovate with teeth, hairy; flowers **rose-pink**, 1-1/4" wide; seeds round in a circle within open calyx. March-November. **rose pavonia** (96)
3. Most erect, to 3'; leaves divided and lobed; flowers **red-purple**, petals slightly fringed; fruit wedge-shaped in a circle within the open calyx. March-June. **winecup** (97,98)
4. Bushy, semi-woody, to 5'; leaves velvety, irregularly toothed, to 6"; flowers **orange-yellow**, to 1-1/2" across; 5 seeds within open calyx. June-October. **velvet-leaf mallow** (98)
5. Several erect stems to 2'; leaves heart-shaped, irregularly toothed, to 3"; flowers **orange-yellow**, 3/8" wide. May-October. **Indian mallow** (99)
6. Several horizontal stems to 18" long; leaves linear, slightly toothed, to 3/4" long; flowers **yellow**, 1/2", petals one-sided. May-August. **sida** (100)

#### **I. Flowers radial, joined just at base. Leaves alternate**

1. Erect, branching, 2'; leaves compound, deeply scalloped and lobed; flowers light **blue**, 1/4", arranged in tight spirals. March-May. **blue-curls** (152)
2. Much-branched, hairy plant 4-12"; leaves hairy, linear, to 1-1/4"; flowers shallow bell-shaped, **lavender**, 1/2". April-October. **sand bells** (152)
3. Erect or sprawling to 18"; flowers in leaf axils, **blue** with white throat. April-June. **Venus' looking-glass** (205)
4. Leaves shamrock-like; flowers with lobes cut to base, **yellow or pink**; leaves and flowers may not appear at same time. **wood-sorrel** (81)
5. Creeping stems to 18"; leaves hairy, palmately lobed; flowers **salmon**, 1/3" across. March-May. **modiola** (not in Enquist)
6. Stems several slender, erect, semi-woody 18-30"; leaves numerous, linear; flowers pale **blue**, lobes, slender, in globular clusters. March, April. **blue-star** (134)
7. 6-10", several erect stems; leaves hairy, linear, to 1-1/2", flowers salver-shape, **yellow**, with ruffled edges. Spring flowers sterile, inconspicuous fertile flowers produced in late Summer, Fall. **puccoon** (155)
8. Bushy, spreading, 4-8" high; leaves cut into thin lobes, to 1-1/4" long; flowers numerous, deep **blue** with yellow throat, shallow bowl-shaped. March-July. **blue-gilia** (148)

9. Erect, much-branched, 6-15" tall; leaves linear, sparse; flowers **white**, numerous, ¼". May-October. **white heliotrop** (155)

**J. Flowers radial, not joined. Leaves alternate**

1. Erect, to 5', near water; leaves compound; flowers tiny in compound umbels, **white**; fruit 2 flattened seeds, joined. Poisonous. June-October. **water-hemlock** (120)
2. Erect, 3'; leaves compound and lobed; flowers tiny in compound umbels, **white**; fruit 2 flattened seeds, joined. Summer. **daucosma** (121)
3. 2-8"; leaves succulent, linear, ¼" long; flowers ¼", **yellow or white**. April- June. **stonecrop** (44)
4. Prickly, sprawling, stems to 6'; leaves compound, toothed; petals **white**; yellow stamens numerous. March-April. **dewberry** (49)
5. 18" or less, erect, in moist shade; compound, toothed leaves; petals **white** with spaces between, numerous yellow stamens; spherical seedheads. April-June. **white-avens** (49)
6. 4-12"; leaves lobed or divided; flowers **reddish-purple or lavender, white**; fruit long-beaked. February-April. **pin clover** (introduced), **stork's bill, wild geranium** (80)
7. Leaves linear, 1" or less; flowers **yellow** with dark veins at center; fruit in round capsule. April-May. **yellow flax** (83)
8. 1-2'; leaves coarsely toothed, stalkless, cling to clothes; flowers deep **yellow**. April-October. **stickleaf** (108)
9. Clumps 4-8" high; leaves thick, dark green, succulent; flowers **yellow to red**, stamens numerous; fruit a round capsule surrounded by a narrow membrane. July-November. **purslane** (22)
10. Evergreen, moist shade, 6" with flower stalks to 18"; leaves compound, with leaflets deeply cleft and lobed; flowers 5-spurred, nodding, **yellow** petals and **red** spurs; fruit a cluster of 5 follicles with numerous small black seeds. March-May. **columbine** (25)

**K. Flowers like bean flowers. Leaves compound. Bean-like pods (legumes)**

1. 10-14", branching from base; leaves palmately compound, hairy; flowers pea-like, deep **blue** with a white center which turns red with age; fruit a hairy gray pod with bean-like seeds. March-May. **Texas bluebonnet** (63)
2. 2' or taller, slender, erect; leaves compound with 3 leaflets; flowers numerous, 1/16", **white or yellow**, in slender spike. Summer. Introduced. **sweet clover** (64)
3. To 2'; stems several, mostly trailing; leaves pinnately compound, 1-1/2", with 5 or more leaflets; flowers **salmon-colored**, pea-shaped, in spikes. April-October. **scarlet pea** (65)
4. Leaves compound, mostly palmate; flowers pea-shaped, **lavender or red-brown**, ¼-5/8" long, in clusters. Spring. **scurf-pea** (66-67) (*Psoralea* now *Pediomelum*).

5. Pinnately compound leaves; flowers **yellow or purple**, less than 3/8" long, elongated pea-shaped, in short, dense, hairy spikes. Spring-Fall. **dalea** (69-71)
6. 2', upright; leaves compound, 1-2" long, with 3-9 linear leaflets 5/8"; flowers **rose-purple or white**, tiny, stamens conspicuous, in packed thimble-like heads. Summer. **prairie-clover** (72)
7. Several sprawling stems; leaves compound, 1-5", with 13-24 leaflets; flowers pale **lavender**, upright, in clusters. Spring. **milk-vetch, astragalus** (75-76)
8. Climbing or trailing, to 3'; leaves to 3", pinnately compound, with 6-12 leaflets; flowers 1/4", **lavender** with white center, in small racemes. Spring. **deer pea vetch** (78)

**L. Flowers pink or yellow. Leaves pinnate-compound. Bean-like pods (legumes)**

1. Prostrate stems to 5'; leaves twice pinnately compound, to 3" long, with 10-16 pairs of 1/8" leaflets, folding when touched; flowers minute with protruding stamens, in tight round or thimble-shaped heads, **yellow**. May-June. **yellow-puff** (57)
2. Sprawling, prickly stems to 6'; leaves twice pinnately compound, 1-1/2", with 6-13 pairs of leaflets; flowers minute, **pink** with protruding yellow stamens, in tight round heads; seedpods slender, prickly. April-July. **sensitive briar** (57)
3. One or several erect stems to 2'; leaves with 2 leaflets 1-1/2" x 1/4"; flowers deep **yellow**, petals not joined; fruit a flat pod 1" x 1/4" with numerous seeds. April-October. **two-leaved senna** (59)

**M. Petals (lobes) 5, almost radial, joined at base. Leaves opposite or whorled.**

1. Sprawling or upright; leaves dissected and/or lobed, hairy; flowers in flat or elongated clusters, **lavender**; seeds rod-shaped. Spring-Fall. **vervain** (157-159)
2. Prostrate stems to 3'; leaves smooth, spatula-shaped, with a few shallow teeth near end; flowers **white**, 1/8", about 6 flowers in a circle, on 4" stems from leaf nodes; seedheads thimble-shaped. May-October. **frog-fruit** (161)
3. Several 5-12" stems from base; leaves spatula-shaped 1-2", in whorls at intervals up the stem; flowers in leaf axils, light **purple** with dark markings in center, 2-lipped. May, June. **snake herb** (193)
4. 1-2', erect or sprawling stems; leaves faintly toothed with netted veins showing on underside; flowers 5-lobed, **lavender or white**, 1-1/4" wide; fruit a 2-celled capsule. April-October. **wild-petunia** (194)
5. Single stem, to 6' in bloom. Until bloom stalk appears, leaves woolly-hairy, to 12" long, in a basal rosette. Up the stem, leaves smaller, dense. Flowers pale **yellow**, in spike up to 2' long. April-October. Introduced. **mullein** (181)



#### **N. Bell-shaped, two-lipped. Leaves opposite. (Figwort family)**

1. Stiffly upright or sprawling. Leaves with small teeth, smooth, lanceolate, 1-1/2-3" long. Flowers bell-shaped, 2-lipped, with markings in throat, **white, fuschia, lavender, or red**, 1-2" long, arranged in loose racemes. Fruit hard 4-part capsule splitting at top, with numerous small seeds. Spring or Summer. **penstemon** (182-185)
2. Long-ranging mass of twining stems. Leaves ivy-shaped, smooth, 1" long. Flowers with 5 **purple** lobes and white throat, 3/4" long. March-September. **snapdragon vine** (186)
3. Erect, open, 1-2'. Leaves sparse, linear, 1" or less. Flowers flattened bell-shaped, with 5 rounded lobes, **pink**, 1" long. Fruit round, top-splitting, 4-parted capsule with numerous seeds. Fall. **agalinis** (188)

#### **O. Two-lipped. Leaves opposite or whorled**

1. One to several erect stems, moist/dry areas; leaves elliptic, 3" or longer, with small teeth, aromatic; flowers **pale pink or blue**, 1/2" long, with prominent lower lip, in tall spikes; fruit 4 nutlets in capsule, open at top. May-July. **germander** (162)
2. Several stems 6-12" tall; leaves hairy, oval, 1/2"; flowers numerous, **blue-purple** with white center, somewhat flat. March-June. **skullcap** (163)
3. Erect, branched in upper part, 1' tall; leaves lanceolate, to 1-1/2" long, with few small teeth; flowers **pink**, 1/2", in branched spikes to 6" long. April-June. **prairie brazoria** (164)
4. Erect, unbranched, moist sites; stems to 3'; leaves upright, faintly toothed, to 5"; flowers to 1-1/4" long, **lavendar**, bell-shaped, with markings on lower lip, in spikes to 9". June, July. **false-dragonhead** (166)
5. 6-12", branching at base; leaves crinkled and lobed, whorled in cup around stem at intervals; flowers **purple** with center markings, narrowly 2-lipped, 5/8" long. February-May. Introduced. **henbit** (167)
6. Stems square, aromatic; flowers tubular, 2-lipped, **blue, purple, red**, rarely **white**; fruit 4 nutlets in capsule, open at top. Spring-Fall. **salvia, sage** (167-171)
7. 18-24", several square stems from base, aromatic. Leaves lanceolate, 2" long, toothed; flowers **lavendar**, 3/4", hook-shaped, in spikes 3-7" tall, composed of alternating circles (whorls) of green bracts, purple-tipped bracts, and blossoms; fruit in dense heads of open-top capsules with numerous fine seed near bottom. May-July. **purple horsemint** (173)
8. 4-10", pleasantly aromatic; flowers pale **lavendar**, 3/8" long, tube thin, in leaf clusters or loose clusters at stem ends. May-October. **pennyroyal** (175)
9. 6", colony-forming; leaves hairy, oval, 1" long; flowers **lavendar-pink**, 1", with a narrow upper lip and wide, 3-lobed, lower lip atop a long white tube. April-October. **tube-tongue** (196)
10. 1' or more, erect, in mud or shallow water; leaves lanceolate, smooth, 3-4" long; flowers **white**, 5/8" long, with purple markings on middle lobe of lower lip. April-October. **water-willow** (196)

**P. Flowers not radial. Leaves alternate or basal**

1. Horizontal habit with stems to 5'; leaves linear, ¾"; flowers **dark red**, orchid-like; fruit a ¼" bur. April-June. **ratany** (79)
2. Stemless, in moist shade; leaves heart-shaped on 4" stems; flowers **purple**, on 5" stems, petals unequal with lowermost spurred, sterile; fruit a 3-branched capsule with a few pale seeds appearing late Fall. February-April. **violet** (104)
3. Stems stout, 2-4' tall, in moist sites; leaves lanceolate, toothed, pointed; flowers **red**, showy, in spires, strongly 2-lipped; seed dust-fine. July-October. **cardinal flower** (206).
4. Low, spreading, 1-2' tall, sticky-haired; leaves rounded-heart-shaped, 3"-10" wide; flowers large, **pastel**, flattened bell-shaped; fruit thick 3" pod breaking into "devil's claw". June-September. **devil's claw** (192)
5. Delicate, to 18" tall, sparse foliage; stems erect, slender; leaves linear, to 1-1/2" long; flowers pale **blue**, 2-lipped. March-April. **Texas toad-flax** (186)
6. Slender, 18"; leaves mostly basal, deeply palmately divided, 1-3" wide; flowers spurred, of unusual bilateral structure, with in shades of **blue and purple** with fuzzy white center (rarely all white in Kerr Co.). April-June. **prairie larkspur** (27)

**Part II. GUIDE TO KERR COUNTY GENERA OF ASTERACEAE FAMILY**

(Perennials unless indicated otherwise)

**A. White; rays 4-10**

1. To 6"; leaves ½ -1 ½"; heads solitary on stem ends, ¼"; rays 8, **white/pastel**; disk minute, **yellow**. Annual. April-July. **dwarf white aster** (218) (Also other species, some larger, some perennial)
2. Bushy, 6-12"; heads solitary on stem ends, 1"; rays 8, **white**; disk flowers **yellow**; resembles shasta daisies; seeds, usually 8 per head, shaped like a doll in a blanket. April-October. **blackfoot daisy** (221).
3. Bushy, to 4'; stems conspicuously winged, leaves large; heads in flat clusters to 6" wide; rays (4) and disc flowers **white**. Fall. **frostweed** (231)
4. Aromatic, 18"; leaves dark ferny; heads 1/4" in dense flat-topped clusters above the foliage, all **white**, rays 5 or more, rounded. Spring. Introduced. **yarrow** (243)



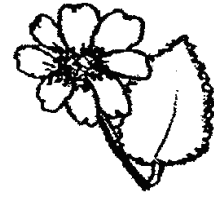
**B. Yellow; rays 5-10; heads less than 1" across**

1. 2', much-branched in upper part; leaves narrow, 1"; heads 3/8" wide, rays 8. Fall. Annual. **broomweed** (215)
2. 12"-3', height and habitat depends on species; leaves lance-shaped, long; heads minute, crowded on numerous small flower-stems that branch off diagonally from main stem; seeds minute with short dirty-white bristles. Fall. **goldenrod** (216)
3. Low, horizontal, ground cover; leaves deltoid 1"; heads 1/4", solitary, among leaves. April-November. **straggler daisy** (234)
4. Low, spreading, 6-18"; leaves oval with a few large teeth; heads in loose branched clusters; rays 5, oblong. April-September. **rock daisy** (239)
5. Spreading, 4-12"; leaves narrow; heads solitary on thin stems; rays 8, oblong with tiny teeth on blunt ends; seeds 4-angled. Annual. March-June. **slender- leaf hymenoxys** or **four-nerved daisy** (240)  
(Hymenoxys now Tetraneuris)
6. Smelly, erect, 1-2 1/2', much-branched in upper part; leaves narrow, 2-3" long, with well-spaced teeth; heads 5/8 -1" wide, many; rays 8 or more. Annual/Perennial. Summer. **dogweed** (240)
7. Stem 6-18" tall, unbranched, moist shade; leaves smooth, lollipop-shaped near ground, deeply lobed higher up; heads to 3/4", numerous, in loose clusters; rays 8; seeds columnar with numerous bristles. Spring. **golden groundsel** (244)
8. To 15-24"; stems one or few leafy; heads 3/4-1"; rays 5; disk flowers 10-15; seed flat, adhering to adjacent bract. Annual. Spring. **Texas star** (223)
9. 1-2 1/2'; often single-stemmed, erect; foliage sparse; leaves divided into about 3 string-like divisions; heads 1" or less; rays 8 with 3 lobes on tips; seed rod-shaped, outer ones incurved, chaff between. Annual. May-November. **Navajo tea** (233)



**C. Yellow or yellow/maroon; wider than 1"; rays 5-10, tapered toward tips**

1. Stems few, strong, unbranched, 2-4'; leaves rough, with fine teeth; heads to 2" wide; rays 8, disk flowers maroon; seed flat, adhering to adjacent bract. May-July. **green-eyes** (223)



2. Slender plant to 2 ½', stems branched near top; leaves rough, up to 10" long at base and smaller up the stem, midvein white, margins deeply lobed; heads to 1 ½" wide; rays 8, tapered to rounded tips with one minute notch; seeds flat, produced by ray flowers only. March-July. **Engelmann's daisy** (224)



3. Plant leggy, to 2'; leaves opposite, sparse, coarsely toothed; heads 1 ½" wide; rays 8-12, floppy, narrow; disk brownish, shaggy; seeds numerous, 4-angled. April-September. **nerve-ray or square-bud daisy** (224)



4. Bushy plant to 3'; leaves to 6" long, cut into numerous narrow lobes; heads with green columnar disks to 1" or more; disk flowers brown; rays almost round, yellow, often with maroon spot; seeds brown, protruding from column. April-July. **Mexican hat** (227)



5. Bushy, 18", basally woody; leaves rough, opposite, elongated diamond-shaped, 2" long; heads 1" wide or more; rays about 10, yellowish-orange; seeds of 2 types. May-September. **zexmania** (229)



**D. Yellow or yellow/maroon, more than 1" wide; rays 8-10, blunt, with 3 or more teeth at tips. Annual**

1. 1-2', branched; leaves mostly opposite, numerous, divided into narrow divisions; heads to 1 ½" wide; rays with **maroon spot** at base, 4 teeth on blunt tips with the 2 center teeth longer; seed flattened ovals, narrow toward base. April-June. **golden-wave** (232)



- 1-2', branched in upper portion; leaves opposite, in stringy divisions; heads to 1 ½" wide; rays 8, 3 equal teeth on blunt tips; disk brown, shaggy; seeds rod-shaped (in shape of a " ,"), outer rows curved inward. April-June, sporadically later. **greenthread** (233)



- 18", pleasant odor; leaves clasp stem, 3" x 1"; heads 2"; rays oblong with 3-5 lobes on blunt tips; disk shaggy, its width about equal to ray length; seedhead globular, seeds conical, brown-hairy. Spring. **huisache-daisy** (238)



**E. Yellow; ¾" or less; rays more than 10**

- Low bushy, colony-forming, 1' tall; foliage gray-green, dense, leaves ¼-2" long. Heads 5/8"; rays 10-20; seeds with dirty-white bristles. July-September. **gray golden-aster** (211)



- Low, bushy, 4-8" tall; dense stringy leaves, 4-8"; dry sites; heads numerous, above leaves, ½" wide; rays 10-13; seeds long, slender. Spring-Fall. **parralena** (240)



- Short spreading shrub to 16", dry sites; leaves crowded, 3/8" long, aromatic; heads numerous, above foliage, ½"; rays about 12; seed narrowly columnar, ridged, with several buffy-white bristles. Spring, sparsely in Fall. **damianita** (241)



**F. Yellow or yellow/brown; 1" or more; rays more than 10, tapered at tips**

- Bushy, leafy, 2-4'; leaves with camphor odor when crushed; heads about 1" wide; rays about 24; seeds with bristles. Fall. **camphor weed** (211)



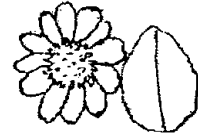
- One or few upright stems branched near top; leaves stiff, toothed, gummy; heads 1" wide; stiff narrow bracts form rounded base; rays 25-30; seeds flat, smooth. Fall. **fall gumweed** (213)



- One or few hairy stems with scattered rough-hairy leaves; heads solitary on stem ends, 1-2" across; rays 8-12, with **brown spot** near base; disk flowers brown, on raised column ¼- ½" high; seed 4-sided, rod-shaped, between larger sharp pales (chaff). April-July. **brown-eyed Susan** (226)



4. Open, bushy plant 3-6', leaves pointed-oval, 1-5"; heads 1" or more across; rays oval, about 12, with minute notch at tip; seeds oblong, between longer chaff. Fall. **golden-eye** (227)



5. Several erect unbranched stems 2-6'; leaves narrow, pointed at both ends, average 3-4"; heads numerous, 2-3" wide, from tip down the stem; rays more than 2; seeds black, flat. Fall. **Maximilian sunflower** (228)



6. 1 1/2-8'; one or more thick hairy stems; rough leaves 2 1/2-10" long; heads to 4" across; rays 15-25; disk flowers brown; seeds large, flat. Annual. May-October. **common sunflower** (229)

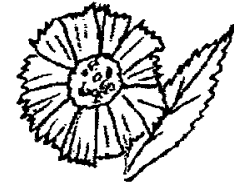


7. Low, scraggly bush 6-24" tall, stems and leaves rough; leaves opposite with 3 or more jagged lobes, 2" long; heads 1-1 1/2" wide; rays 8-30; disk flowers tall, shaggy; seedheads rounded, with flat oval seeds between longer sharp chaff. April-October. **bush sunflower** (230)



**G. Mostly yellow or rust-red; 1" or more; rays 8 or more, blunt, toothed.**

1. 2-4', foliage gray-green; heads to 2 1/2" wide; rays blunt with 3-5 teeth across tip; seed flat with 2 thin edges (winged). Annual. April-October. **cowpen daisy** (231)



2. Slender, upright, much-branched at top, 1-3' tall; usually moist sites; leaves narrow, sometimes with margins running down stem (wings); heads 1" (1/4" in one species); rays 3/8" long, often with maroon base, tips blunt, 3-toothed; disk flowers brown on rounded column 1/4" high; seed minute, squatty, 4-angled. Annual. May-July. **sneezeweed** (236)



3. Erect, branched, 1-3', moist; leaves elliptic, to 5"; stems winged narrowly; heads 1" wide; rays short, 3-lobed; disk 1/2" tall, globular, yellow; seedheads globular. September-October. **fall sneezeweed** (237)



4. Tuft of narrow, hairy leaves 3" long; heads to 1 1/4", on bare stems 8-15" tall; rays with 3 lobes on tip with 4 purplish veins on underside. March-October. **slender-stem bitterweed or four-nerved daisy** (239)



5. 1 ½ -2', branched, hairy; heads to 1 ½" across; disk shaggy, dark; rays **rust-red** with 3 **yellow** teeth; seedhead bristly whitish ball; seed shuttlecock-shape. Annual. late Spring.  
**Indian blanket** (235)



**H. White to purple; rays more than 10**

1. Unbranched stems to 4', clump-forming, moist soils; leaves dense, narrow, 1 ½-4" long heads crowded on upper part of stem, 1" wide; rays very narrow, numerous, **lavendar**; disk small, yellow; seeds minute, with bristles. Fall. **tall aster** (217)



2. Bushy, 8-30" tall, clump-forming; dry soil; leaves congested; heads ¼", crowded all over; rays **white**, disk **yellow**; seeds minute, with bristles. Fall. **white aster, aster or heath aster** (218)



3. Moist soil, lawns, much-branched, 1 ½-3' tall; leaves short, linear, pressed against wiry stems. Heads ½" wide; rays **white**, numerous, narrow; disk small, yellow; seeds minute with bristles. Annual. Fall. **hierba del Marrano** (218)



4. Moist soil, usually single stem 10-24", much-branched at top; stem leaves clasping; heads numerous, ¾" wide; rays thread-like, **white**; disk **yellow**, almost as wide as rays are long; seed minute with tiny bristles. Annual/perennial. Spring. **Philadelphia fleabane** (219)



5. Low clump 3-6" high; leaves hairy, slender, with a few rounded lobes; heads on naked stems, nodding in bud, ½" across; rays **white**, narrow, crowded; disk **yellow**, at least as wide as the ray is long; seeds with bristles. Spring. **prairie fleabane** (219)



6. Similar to Prairie Fleabane above, except stems to 15", branching in upper half; leaves tapering, not clasping; heads ½-1 ½" wide, with ray length about twice disk width; rays **white**; disk **yellow**. Annual. March-June. **lazy daisy** (219)



7. Slender, with hairy stem and leaves, 1-2' tall; leaves slender, 3-8" long; heads to 3 ½" across; disk cone purple; rays **purple-to-white**, floppy, 1" or more; seed long, 4-angled, between longer chaff. Spring. **purple coneflower** (225)



I. **Heads without rays; thistle-like**

1. 2-4'; leaves smooth, without lobes or teeth, mostly stalkless; heads solitary, to 3" across, shaggy; outer, longer flowers **pink**, inner ones **cream**; bracts (phyllaries) form rough basket at base (otherwise no spines); seed dark, slightly flat, imbedded between white hairs. Annual. Spring. **basket-flower** (246)



2. 18" tall, with a few branches, winged stems; heads 5/8" high; flowers **yellow**, extending 1/4" above spine-tipped bracts; seed imbedded between white hairs. Annual/biennial weed. Spring. Introduced. Invasive. **Malta star-thistle** (247)



3. To 6', stout and spiny; stems winged; basal leaves large, glossy; bracts in several rows, with spines on the extended tips; buds nodding; heads to 3" wide; flowers **fuschia-pink**; seed with whitish hairs. Biennial weed. Spring-Summer. Introduced. Invasive. **musk-thistle** (247)



4. 2-3'; leaves with spine-tipped lobes, woolly undersides; bracts form globular basket-like base with spines on the protruding tips; flowers **lavendar-pink or white**; seeds flattish with long white bristles. Biennial/perennial. Summer. **thistle** (248)



J. **Pink to purple; No rays; not thistle-like; late Summer or Fall**

1. Flower stalks much-branched; bracts in cylindrical shingle-like arrangement; flowers **bright purple**, shaggy, numerous; seeds ribbed, bearing pappus of whitish or rusty bristles. **ironweed** (207).



2. Few to many strong, stiff stems 2-3 1/2'; leaves long, wirey, all the way up the stem; heads arranged on tall spikes; disk flowers 3-6, **purple**, shaggy; seeds slender, 1/4", with white feathery hairs. Fall. **gayfeather** (208)



3. Spreading; leaves opposite, triangular; stems reclining, ascending; heads in dense clusters; disk flowers **light purple**; seed with short whitish bristles. Summer-Fall. **mistflower** (209)





4. Strongly aromatic; moist sites; heads tightly closed, urn-shaped, in crowded clusters, **purplish-rose**; seed cylindrical, ridged, with a few bristles. Annual. Fall. **marsh fleabane** (220)



5. Small, slender, with long narrow leaves; heads **pale pink**, shaggy; seeds thin, 4-angled, wider at top, without bristles. Annual. Fall. **palafoxia** (242)



**K. White to yellowish or maroon; no rays; not thistle-like**

1. Under 1'; leaves woolly beneath; heads nodding, cylindrical, 1" long, remaining closed until seed matures; seeds long, purplish, with buff hairs, forming 1½" globular seedheads. Spring. **silver-puff** (250)



2. To 3' with several unbranched stems; leaves variable; heads **yellowish**, long and slender, shaggy at tips. Fall. **brickell-bush** (208)



3. 1 1/2-4', shrubby, colony-forming; moist sites; leaves mostly opposite; heads in much-branched clusters; flowers tiny, **white**, shaggy; seeds tiny, rod-shaped with a few bristles. Fall. **white boneset** (209)



4. 1-5'; woody shrub on rocky bluffs; leaves deltoid, 1-2", toothed; heads in dense clusters; flowers **white**; seed with short white bristles. Fall. **thoroughwort**. (209)



4. Leaves grass-like, mostly basal; bloom stalks to 1'; heads shaggy, rounded, **white**, 1" wide; seeds conical. Spring. **Barbara's buttons** (234)



5. Leaves deeply lobed, in flat rosette in winter; head is ball of **maroon** disk flowers on naked stem; may have tiny **orange** rays at base of flower head; seeds conical, white-hairy. Annual. Spring. **pincushion daisy or perfume ball** (236)



6. Single stem, to 3'; stems and leaf undersides white-hairy; leaves to 5" long, finely divided; heads in branched clusters, **white to cream**. Biennial. Spring. **woolly-white or old plainsman** (242)

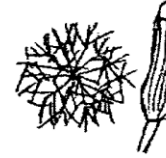


**J. Heads dandelion-like (each flower with a strap-like ray petal); base of head cylindrical. Seed slender with long thin beak connected to bristles**

1. Leaves few mostly basal, 3-6" long; heads 1 ¼" wide, on stems to 15"; flowers **yellow** in about 3 rows with black stamen tubes conspicuous in center of head. Annual. Spring. **Texas dandelion** (252)



2. Few tough stems 18"; heads open a short time; rays narrow, **yellow**, shorter than the bracts; seedhead globular, to 4" in diameter. Biennial. Spring. Introduced. **goat's beard** (252)



3. Leaves in basal rosette, with swept-back lobes; heads to 1" wide, shaggy with crowded **yellow** rays. Year round. Introduced. **dandelion** (254)



4. 1' or less, few-branched with a few slender leaves; heads 1 ½" diameter, **white or pastel**, with yellow stamens. Spring. **rock lettuce** (251)



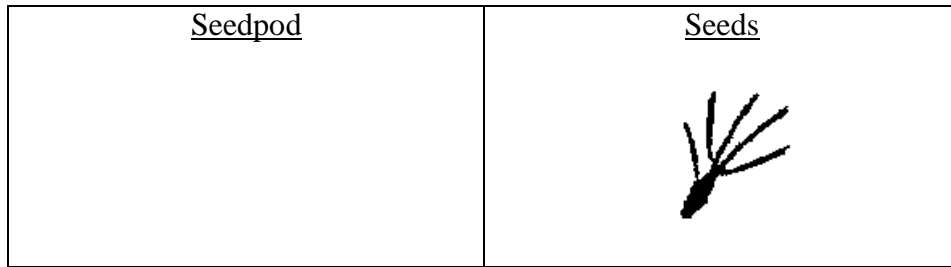
5. Leaves basal, long and narrow, few or absent; stems few-branched; heads with about 10 **rosy lavender** rays; stamens and shaggy pistils lavender. mostly Summer. **skeleton-plant** (253)



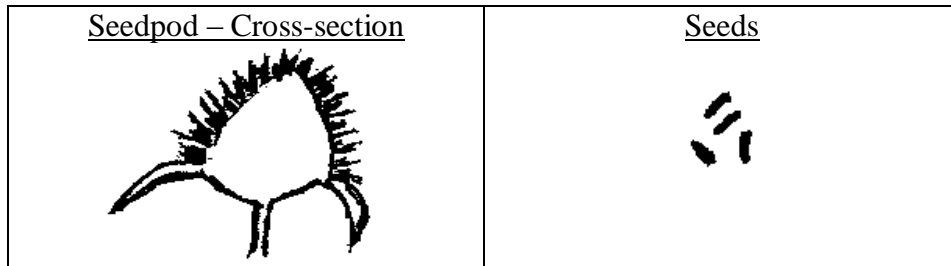
*By Edith Bettinger et al 2/15/01, updated 2011*

## WILDFLOWER SEED IDENTIFICATION

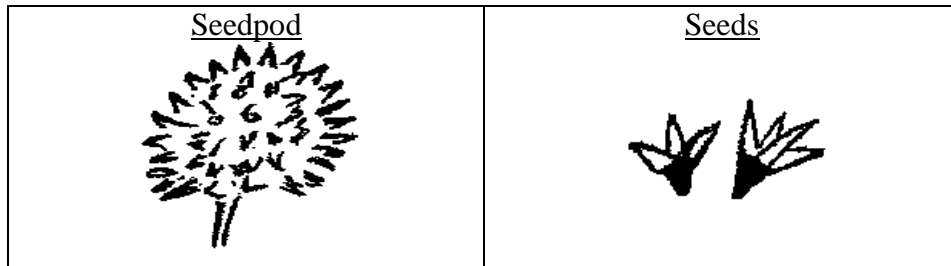
1. Gayfeather, ironweed, aster, goldenrod, skeleton-weed: hairy "parachute" (pappus) on each seed. Basketflower has large black seeds embedded in white hairs, but hair usually not attached to seed.



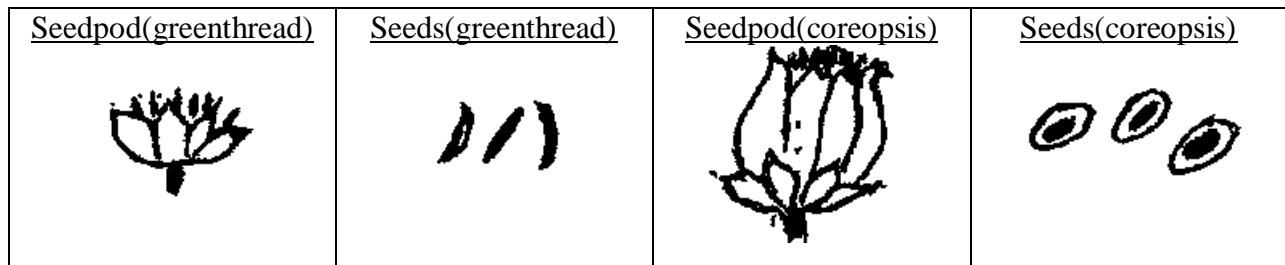
2. Brown-eyed Susan, purple coneflower, Mexican hat: black rod-like seed pressed between pales which often project beyond seed. Cone-shaped seed head looks ratty when seed matures.



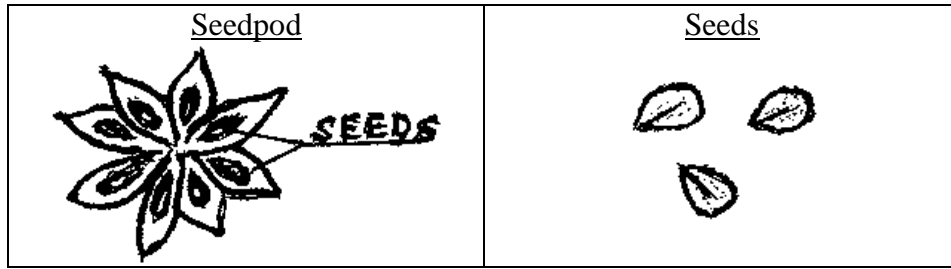
3. Indian blanket, pincushion daisy: tight ball of wedge-shaped seed tipped with whitish bristles—suggesting shuttlecock.



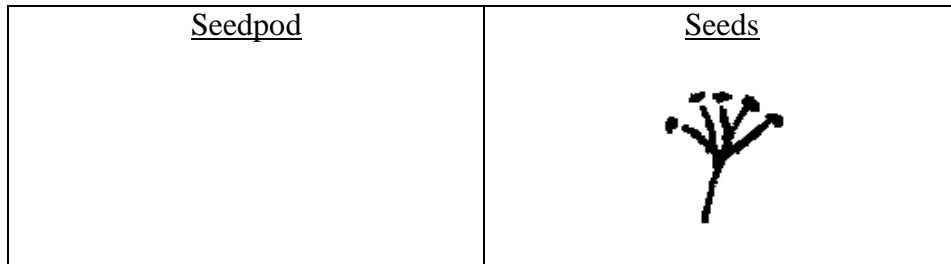
4. Greenthread, Navajo tea, coreopsis: flowerhead base (involucre) forms cup containing club-shaped seeds and chaff. Seeds fall readily when mature. Difficult to distinguish between seeds and chaff.



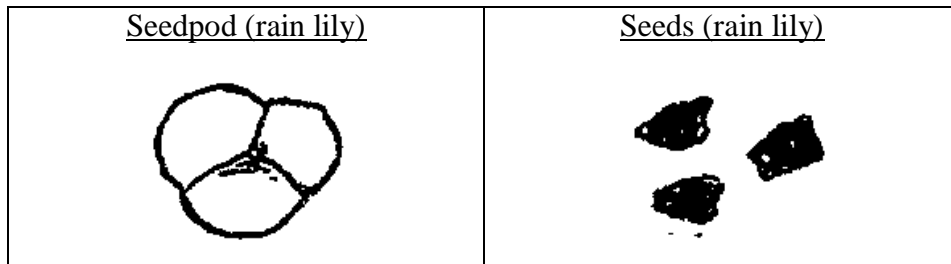
5. Greeneyes, Lindheimer's daisy, Engelman's daisy, blackfoot daisy: seeds formed in ray flowers only and flattened against bracts.



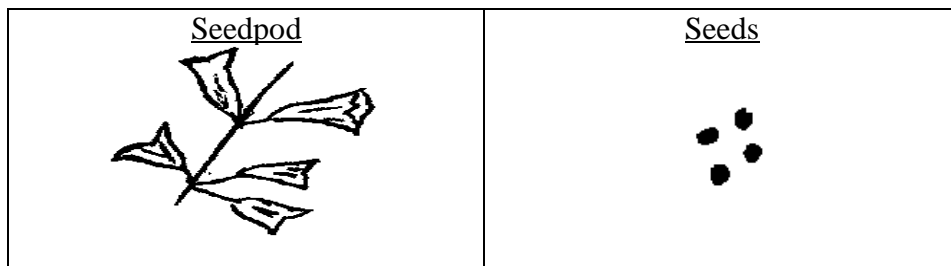
6. Palafoxia: thin black seeds, hooked on end, in cluster at stem tip.



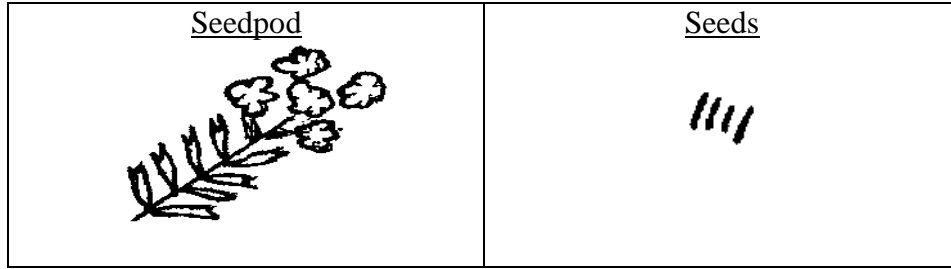
7. Rain lily, onion, yucca, blue-eyed grass: 3-section capsules with few to many seeds. Rain lily seeds are black, shiny, and flat.



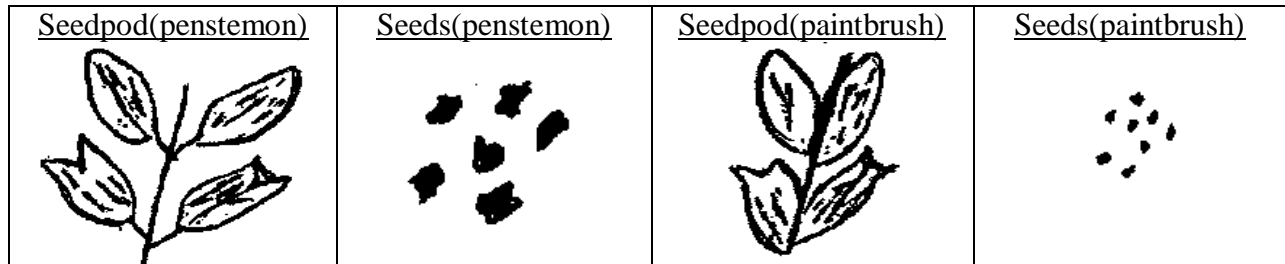
8. Salvia (sage), horsemint, skullcap, obedient plant: the 2-lipped calyx forms vase-like capsule with 4 round nutlets in base. Pinch capsule base or look inside to see if it contains seeds. While still on the stem, seeds can often be released by pinching or cutting capsule base. Tips of horsemint capsules can be clipped off to release seeds.



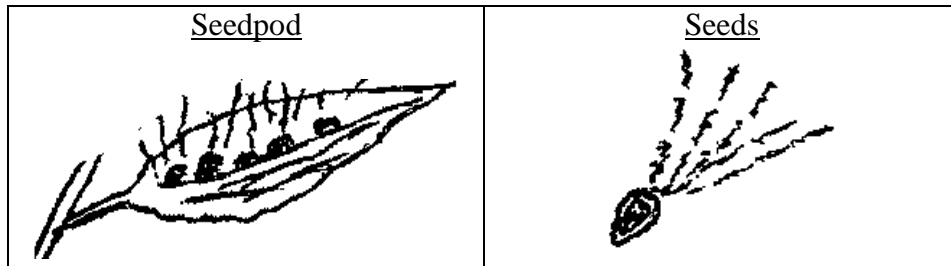
9. Verbena: dried calyx forms seed capsule as in Salvias, with 4 tiny black rod-like seeds in bottom. Difficult to clean.



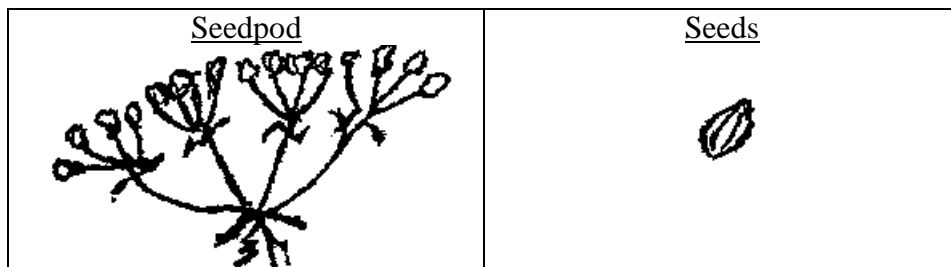
10. Penstemon, paintbrush, agalinis, Texas bluebell, bladderpod, baby-blue-eyes, morning-glory, standing cypress. Seeds in hard or crisp capsules opening from top. Seeds and capsules are dark except standing cypress, which has light capsules and light chunky, irregular seeds. Penstemon seeds are black, irregular.



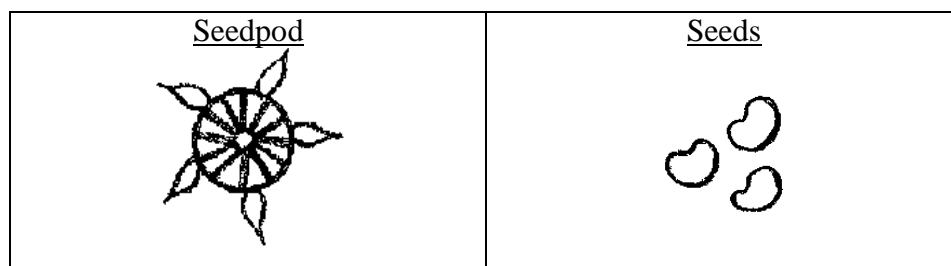
11. Milkweed: large pods, break along one seam when mature. Seed is flat, reddish-brown, with feathery hairs (pappus) attached. Best to collect just after pod cracks.



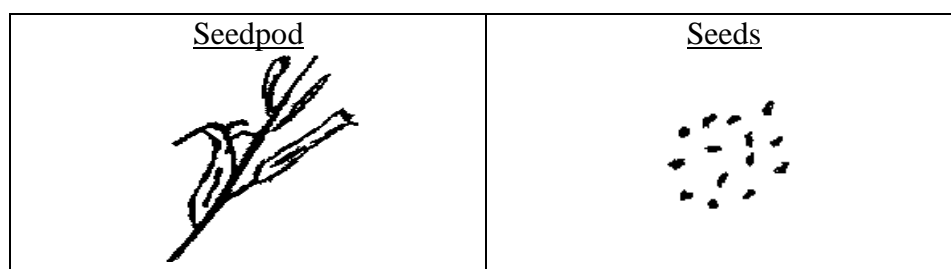
12. Wild carrot, daucosma, prairie parsley (PARSLEY FAMILY): whitish, flat prickly seeds at umbel tips.



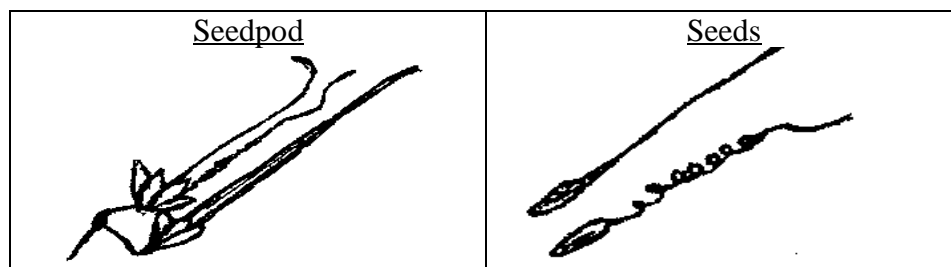
13. Winecup (and to some extent all MALLOW FAMILY): dried calyx forms shallow cup with seeds in wheel pattern. Rose pavonia seeds are round and loose. Hibiscus capsule splits into 5 sections revealing rounded fuzzy seed. Winecup seed is wedge-shaped.



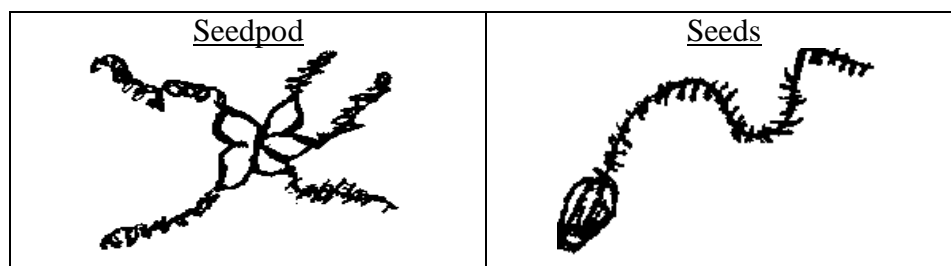
14. EVENING PRIMROSE FAMILY: tough, ridged or winged cylindrical capsules, opening gradually from the top in narrow segments to free fine black seed. Capsules can be crushed with pliers.



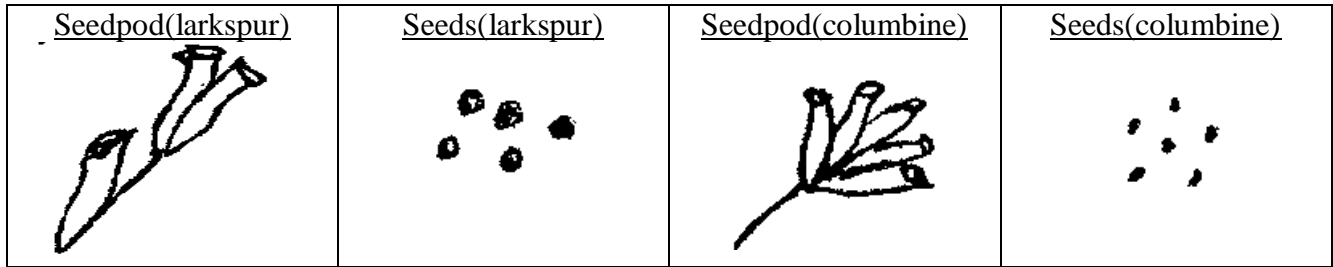
15. Storksbill (GERANIUM FAMILY): 3 attached seeds with long needle-like extension to 1-1/2 " long, which separate and form a spiral to push seed into ground.



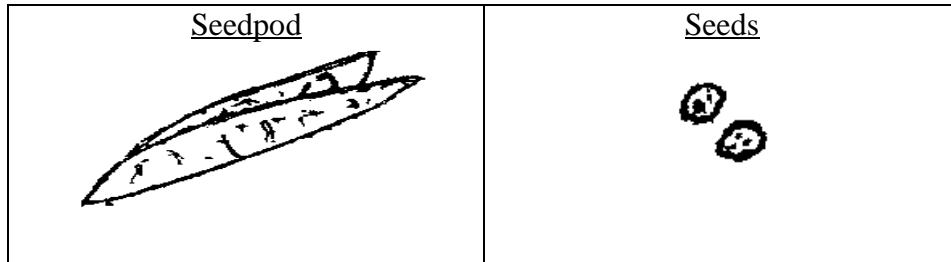
16. Clematis (old-man's-beard and leatherflower): seeds clustered, each with a long, curly tail (white-hairy on old-man's-beard).



17. Larkspur and columbine: Numerous round seed in papery follicle, (larkspur, hug stem in two's; columbine, cluster of 5 at stem ends), open at top.



18. Legume (bluebonnet): Hairy grayish pod splits in two when dry, flinging hard seeds up to 25'.



**NOTE:** To view photographic images of some of the plant seeds, visit the Lady Bird Johnson Wildflower Center website at: [www.wildflower.org](http://www.wildflower.org)

*By Edith Bettinger 10/05/01, updated 2011*

**WILDFLOWERS NATIVE TO KERR AND SURROUNDING COUNTIES**

FAMILY Name (In Enquist)	FAMILY (Current Name)	FAMILY (Common Name)	SPECIES (In Enquist)	SPECIES (Current Name)	COMMON NAME	Pg. No. in Enquist or NIE=Not in Enquist	LON GEVI TY	Kerr Cty	Ken dall Cty	Gille spie Cty	Ban dera Cty
<b>ACANTHACEAE</b>	<b>ACANTHACEAE</b>	<b>ACANTHUS</b>				<b>193-196</b>					
ACANTHACEAE	ACANTHACEAE	ACANTHUS	<i>Dyschoriste linearis</i>	<i>Dyschoriste linearis</i>	snake herb	193	P				
ACANTHACEAE	ACANTHACEAE	ACANTHUS	<i>Justicia Americana</i>	<i>Justicia Americana</i>	water-willow	196	P				
ACANTHACEAE	ACANTHACEAE	ACANTHUS	<i>Ruellia nudiflora</i>	<i>Ruellia nudiflora</i>	wild petunia	194	P				
ACANTHACEAE	ACANTHACEAE	ACANTHUS	<i>Ruellia metziae</i>	<i>Ruellia metziae</i>	white wild petunia	194	P				
ACANTHACEAE	ACANTHACEAE	ACANTHUS	<i>Siphonoglossa pilosella</i>	<i>Justicia pilosella</i>	tube-tongue	196	P				
<b>AMARYLLIDACEAE</b>	<b>AMARYLLIDACEAE</b>	<b>AMARYLLIS</b>	<b>(This family Incorporated into Liliaceae)</b>								
<b>UMBELLIFERAE</b>	<b>APIACEAE</b>	<b>PARSLEY</b>				<b>120-125</b>					
UMBELLIFERAE	APIACEAE	Parsley	<i>Bifora Americana</i>	<i>Bifora Americana</i>	prairie bishopweed	121	A				
	APIACEAE	Parsley		<i>Bowlesia incana</i>	hoary bowlesia, hairy bowlesia	NIE	A				
UMBELLIFERAE	APIACEAE	Parsley	<i>Cicuta maculata</i>	<i>Cicuta maculata</i>	water hemlock	120	P				
UMBELLIFERAE	APIACEAE	Parsley	<i>Conium maculatum</i>	<i>Conium maculatum</i>	poison hemlock	120	P				
UMBELLIFERAE	APIACEAE	Parsley	<i>Daucosma laciniata</i>	<i>Daucosma laciniata</i>	daucosma	121	A				
UMBELLIFERAE	APIACEAE	Parsley	<i>Daucus pusillus</i>	<i>Daucus pusillus</i>	daucus	124	A				
UMBELLIFERAE	APIACEAE	Parsley	<i>Eryngium leavenworthii</i>	<i>Eryngium leavenworthii</i>	eryngo	125	A				
UMBELLIFERAE	APIACEAE	Parsley	<i>Hydrocotyle umbellata</i>	<i>Hydrocotyle umbellata</i>	water pennywort	123	P				
UMBELLIFERAE	APIACEAE	Parsley	<i>Polytaenia texana</i>	<i>Polytaenia texana</i>	Texas parsley	124	P				
<b>APOCYNACEAE</b>	<b>APOCYNACEAE</b>	<b>DOGBANE</b>				<b>134</b>					
APOCYNACEAE	APOCYNACEAE	DOGBANE	<i>Amsonia ciliata</i>	<i>Amsonia ciliata</i>	blue-star; fringed bluestar	134	P				



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		<b>DUTCHMAN'S PIPE</b>				<b>NIE</b>					
	<b>ARISTOLOCHIACEAE</b>	<b>DUTCHMAN'S PIPE</b>				<b>NIE</b>					
	ARISTOLOCHIACEAE	DUTCHMAN'S PIPE		<i>Aristolochia coryi</i>	Cory's dutchman's pipe	NIE	P				
	ARISTOLOCHIACEAE	DUTCHMAN'S PIPE		<i>Aristolochia erecta</i>	swan flower	NIE	P				
	ARISTOLOCHIACEAE	DUTCHMAN'S PIPE		<i>Aristolochia serpentaria</i>	Virginia snakeroot	NIE	P				
<b>ASCLEPIADACEAE</b>	<b>ASCLEPIADACEAE</b>	<b>MILKWEED FAMILY</b>				<b>135-141</b>					
ASCLEPIADACEAE	ASCLEPIADACEAE	MILKWEED FAMILY	<i>Asclepias asperula</i>	<i>Asclepias asperula</i>	antelope horns	135	P				
ASCLEPIADACEAE	ASCLEPIADACEAE	MILKWEED FAMILY	<i>Asclepias incarnata</i>	<i>Asclepias incarnata</i>	swamp-milkweed	139	P				
ASCLEPIADACEAE	ASCLEPIADACEAE	MILKWEED FAMILY	<i>Asclepias oenotheroides</i>	<i>Asclepias oenotheroides</i>	hierba de zizotes	136	P				
ASCLEPIADACEAE	ASCLEPIADACEAE	MILKWEED FAMILY	<i>Asclepias texana</i>	<i>Asclepias texana</i>	Texas milkweed; Texas white milkweed	138	P				
ASCLEPIADACEAE	ASCLEPIADACEAE	MILKWEED FAMILY	<i>Asclepias tuberosa</i>	<i>Asclepias tuberosa</i>	orange milkweed	137	P				
ASCLEPIADACEAE	ASCLEPIADACEAE	MILKWEED FAMILY	<i>Asclepias viridiflora</i>	<i>Asclepias viridiflora</i>	wand milkweed	137	P				
ASCLEPIADACEAE	ASCLEPIADACEAE	MILKWEED FAMILY	<i>Asclepias viridis</i>	<i>Asclepias viridis</i>	green milkweed	136	P				
ASCLEPIADACEAE	ASCLEPIADACEAE	MILKWEED FAMILY	<i>Cynanchum barbigerum</i>	<i>Cynanchum barbigerum</i>	swallow-wort, cynanchum	141	P				
	ASCLEPIADACEAE	MILKWEED FAMILY		<i>Cynanchum racemosum</i>	talayote	NIE	P				
ASCLEPIADACEAE	ASCLEPIADACEAE	MILKWEED FAMILY	<i>Matelea biflora</i>	<i>Matelea biflora</i>	purple milkweed vine	139	P				
ASCLEPIADACEAE	ASCLEPIADACEAE	MILKWEED FAMILY	<i>Matelea edwardsensis</i>	<i>Matelea edwardsensis</i>	plateau milkweed vine	140	P				
ASCLEPIADACEAE	ASCLEPIADACEAE	MILKWEED FAMILY	<i>Matelea reticulata</i>	<i>Matelea reticulata</i>	pearl milkvine	140	P				
ASCLEPIADACEAE	ASCLEPIADACEAE	MILKWEED FAMILY	<i>Sarcostemma crispum</i>	<i>Funastrum crispum</i>	wavy-leaf milkweed vine	141	P				
ASCLEPIADACEAE	ASCLEPIADACEAE	MILKWEED FAMILY	<i>Sarcostemma cynanchoides</i>	<i>Funastrum cynanchoides</i>	climbing milkweed vine	141	P				

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COMPOSITAE	ASTERACEAE	ASTER				207-254					
COMPOSITAE	ASTERACEAE	ASTER	<i>Achillea millefolium</i>	<i>Achillea millefolium</i>	yarrow	243	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Amblyolepis setigera</i>	<i>Amblyolepis setigera</i>	huisache-daisy	238	A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Amphiachyris amoenum</i>	<i>Amphiachyris amoena</i>	broomweed	215	A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Aphanostephus sp</i>	<i>Aphanostephus sp.</i>	lazy-daisy	219	A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Aster ericoides</i>	<i>Symphiotrichum ericoides</i>	white aster; heath aster	218	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Aster subulatus</i>	<i>Symphiotrichum subulatum</i>	hierba del Marrano; baby's breath aster	218	A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Aster praealtus</i>	<i>Symphiotrichum praealtum</i>	tall aster	217	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Aster texanus</i>	<i>Symphiotrichum drummondii</i>	Texas aster	217	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Berlandiera texana</i>	<i>Berlandiera betonicifolia</i>	Texas green-eyes	223	P				
	ASTERACEAE	ASTER		<i>Bidens Laevis</i>	goldenglow	NIE	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Brickellia cylindraceae</i>	<i>Brickellia cylindraceae</i>	brickell-bush	208	P				
	ASTERACEAE	ASTER		<i>Brickellia eupatorioides var. chlorolepis</i>	false boneset	NIE	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Carduus nutans</i>	<i>Carduus nutans</i>	musk thistle	247	B				
COMPOSITAE	ASTERACEAE	ASTER	<i>Centaurea americana</i>	<i>Centaurea americana</i>	American basketflower	246	A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Chaetopappa bellidifolia</i>	<i>Chaetopappa bellidifolia</i>	dwarf white aster	218	A				
	ASTERACEAE	ASTER		<i>Chaetopappa effusa</i>	spreading leastdaisy	NIE	P				
	ASTERACEAE	ASTER		<i>Chaetopappa ericoides</i>	babywhite aster	NIE	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Chaptalia nutans</i>	<i>Chaptalia nutans</i>	silverpuff	250	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Chrysactina mexicana</i>	<i>Chrysactinia mexicana</i>	damianita	241	P				

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COMPOSITAE	ASTERACEAE	ASTER	<i>Cirsium texanum</i>	<i>Cirsium texanum</i>	Texas thistle	248	B/P				
	ASTERACEAE	ASTER		<i>Conoclinium greggii</i>	Gregg's mistflower	NIE	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Eupatorium coelestinum</i>	<i>Conoclinium coelestinum</i>	blue mistflower	209	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Coreopsis tinctoria</i>	<i>Coreopsis tinctoria</i>	plains coreopsis	232	A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Dysodiopsis tagetoides</i>	<i>Dysodiopsis tagetoides</i>	marigold dogweed	240	A/P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Echinacea pallida</i> v. <i>angustifolia</i>	<i>Echinacea angustifolia</i>	narrowleaf purple coneflower	225	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Engelmannia pinnatifida</i>	<i>Engelmannia peristenia</i>	Engelmann's daisy	224	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Erigeron modestus</i>	<i>Erigeron modestus</i>	prairie fleabane	219	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Erigeron philadelphicus</i>	<i>Erigeron philadelphicus</i>	Philadelphia fleabane	219	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Eupatorium havanense</i>	<i>Ageratina havanensis</i>	thoroughwort	209	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Eupatorium serotinum</i>	<i>Eupatorium serotinum</i>	white boneset	209	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Gaillardia pulchella</i>	<i>Gaillardia pulchella</i>	firewheel; Indian blanket	235	A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Gaillardia suavis</i>	<i>Gaillardia suavis</i>	pincushion daisy	236	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Grindelia lanceolata</i>	<i>Grindelia lanceolata</i>	fall gumweed	213	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Grindelia microcephala</i>	<i>Grindelia adenodonta</i>	gumweed	213	A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Gymnosperma glutinosum</i>	<i>Gymnosperma glutinosum</i>	tatalencho	214	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Helenium amarum</i>	<i>Helenium amarum</i>	yellow bitterweed	237	A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Helenium badium</i>	<i>Helenium amarum</i> v. <i>badium</i>	brown bitterweed	237	A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Helenium autumnale</i>	<i>Helenium autumnale</i>	fall or common sneezeweed	237	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Helenium quadridentatum</i>	<i>Helenium quadridentatum</i>	sneezeweed, rosilla	236	A				

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COMPOSITAE	ASTERACEAE	ASTER	<i>Helianthus annuus</i>	<i>Helianthus annuus</i>	common sunflower	229	A				
	ASTERACEAE	ASTER		<i>Helianthus ciliaris</i>	Texas blueweed sunflower	NIE	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Helianthus hirsutus</i>	<i>Helianthus hirsutus</i>	hairy or rough sunflower	228	P				
	ASTERACEAE	ASTER		<i>Helianthus laciniatus</i>	alkali sunflower	NIE	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Helianthus maximiliani</i>	<i>Helianthus maximiliani</i>	Maximilian sunflower	228	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Heterotheca canescens</i>	<i>Heterotheca canescens</i>	gray golden-aster	211	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Heterotheca latifolia</i>	<i>Heterotheca subaxillaris</i>	camphor weed	211	A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Hymenopappus scabiosaesus</i> v. <i>corymbosus</i>	<i>Hymenopappus scabiosaesus</i> var. <i>corymbosus</i>	old plainsman	242	B				
	ASTERACEAE	ASTER		<i>Iva angustifolia</i>	narrowleaf sumpweed, narrowleaf marshelder	NIE	A,B				
COMPOSITAE	ASTERACEAE	ASTER	<i>Liatris mucronata</i>	<i>Liatris mucronata</i>	gayfeather	208	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Lindheimera texana</i>	<i>Lindheimera texana</i>	Texas star	223	A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Lygodesmia texana</i>	<i>Lygodesmia texana</i>	skeletonplant	253	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Marshallia caespitosa</i>	<i>Marshallia caespitosa</i>	Barbara's buttons	234	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Melampodium leucanthum</i>	<i>Melampodium leucanthum</i>	blackfoot daisy	221	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Palafoxia callosa</i>	<i>Palafoxia callosa</i>	palafoxia	242	A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Perityle lindheimeri</i>	<i>Perityle lindheimeri</i>	rock daisy	239	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Pinaropappus roseus</i>	<i>Pinaropappus roseus</i>	white rock-lettuce	251	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Pluchea odorata</i>	<i>Pluchea odorata</i>	marsh-fleabane	220	A/P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Prionopsis ciliata</i>	<i>Grindelia papposa</i>	saw-leaf daisy	214	A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Pyrrhopappus multicaulis</i>	<i>Pyrrhopappus pauciflorus</i>	Texas or false dandelion	252	A				

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COMPOSITAE	ASTERACEAE	ASTER	<i>Ratibida columnifera</i>	<i>Ratibida columnifera</i>	Mexican hat	227	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Rudbeckia amplexicaulis</i>	<i>Dracopis amplexicaulis</i>	clasping-leaf coneflower	226	A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Rudbeckia hirta</i>	<i>Rudbeckia hirta</i>	brown-eyed Susan	226	P/A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Senecio obovatus</i>	<i>Packera obovata</i>	golden groundsel	244	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Simsia calva</i>	<i>Simsia calva</i>	bush sunflower	230	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Solidago altissima</i>	<i>Solidago altissima</i>	tall goldenrod	216	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Solidago nemoralis</i>	<i>Solidago nemoralis</i>	priaire goldenrod	216	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Sonchus sp</i>	<i>Sonchus sp</i>	sowthistle	254	A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Taraxacum officinale</i>	<i>Taraxacum officinale</i>	dandelion	254	A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Tetragonotheca texana</i>	<i>Tetragonotheca texana</i>	nerve-ray; square-bud daisy	224	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Hymenoxys linearifolia</i>	<i>Tetraneuris linearifolia</i>	slender-leaf hymenoxys; four-nerve daisy	240	A				
COMPOSITAE	ASTERACEAE	ASTER	<i>Hymenoxys scaposa</i>	<i>Tetraneuris scaposa</i>	slender-stem bitterweed; four-nerve daisy	239	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Thelesperma filifolium</i>	<i>Thelesperma filifolium</i>	greenthread	233	A/P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Thelesperma simplicifolium</i>	<i>Thelesperma simplicifolium</i>	Navajo tea	233	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Tragopogon dubius</i>	<i>Tragopogon dubius</i>	goat's beard	252	A/B				
COMPOSITAE	ASTERACEAE	ASTER	<i>Verbesina encelioides</i>	<i>Verbesina encelioides</i>	cowpen daisy; crownbeard	231	A				
	ASTERACEAE	ASTER		<i>Verbesina lindheimeri</i>	Lindheimer's crownbeard	NIE	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Verbesina virginica</i>	<i>Verbesina virginica</i>	frostweed	231	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Vernonia baldwinii</i>	<i>Vernonia baldwinii</i>	western ironweed	207	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Vernonia lindheimeri</i>	<i>Vernonia lindheimeri</i>	woolly ironweed	207	P				

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COMPOSITAE	ASTERACEAE	ASTER	<i>Viguiera dentata</i>	<i>Viguiera dentata</i>	golden-eye	227	P				
COMPOSITAE	ASTERACEAE	ASTER	<i>Zexmania hispida</i>	<i>Wedelia texana</i>	zexmenia; orange daisy	229	P				
<b>BORAGINACEAE</b>	<b>BORAGINACEAE</b>	<b>BORAGE</b>				<b>153-156</b>					
BORAGINACEAE	BORAGINACEAE	BORAGE	<i>Heliotropium tenellum</i>	<i>Heliotropium tenellum</i>	white heliotrope	155	A				
BORAGINACEAE	BORAGINACEAE	BORAGE	<i>Lithospermum incisum</i>	<i>Lithospermum incisum</i>	narrowleaf puccoon	155	P				
<b>CRUCIFERAE</b>	<b>BRASSICACEAE</b>	<b>CABBAGE</b>				<b>37-42</b>					
CRUCIFERAE	BRASSICACEAE	CABBAGE	<i>Arabis petiolaris</i>	<i>Arabis petiolaris</i>	rock-cress	37	A				
CRUCIFERAE	BRASSICACEAE	CABBAGE	<i>Draba cuneifolia</i>	<i>Draba cuneifolia</i>	whitlow-grass	39	A				
CRUCIFERAE	BRASSICACEAE	CABBAGE	<i>Lepidium virginicum</i>	<i>Lepidium virginicum</i>	peppergrass	39	A				
CRUCIFERAE	BRASSICACEAE	CABBAGE	<i>Lesquerella argyraea</i>	<i>Lesquerella argyraea</i>	silver bladderpod	40	B/P				
CRUCIFERAE	BRASSICACEAE	CABBAGE	<i>Lesquerella engelmannii</i>	<i>Lesquerella engelmannii</i>	Engelmann's bladderpod	40	P				
CRUCIFERAE	BRASSICACEAE	CABBAGE	<i>Lesquerella fendleri</i>	<i>Lesquerella fendleri</i>	Fendler's bladderpod	41	P				
CRUCIFERAE	BRASSICACEAE	CABBAGE	<i>Lesquerella densiflora</i>	<i>Lesquerella densiflora</i>	low bladderpod	42	A/B				
CRUCIFERAE	BRASSICACEAE	CABBAGE	<i>Rorippa nasturtium-aquaticum</i>	<i>Nasturtium officinale</i>	water-cress	38	P				
	<b>BUDDLEIACEAE</b>	<b>BUTTERFLY-BUSH</b>				<b>NIE</b>					
	BUDDLEIACEAE	BUTTERFLY-BUSH		<i>Polypremum procumbens</i>	juniper leaf	NIE	A/P				
<b>CAMPANULACEAE</b>	<b>CAMPANULACEAE</b>	<b>BELLFLOWER</b>				<b>204-206</b>					
CAMPANULACEAE	CAMPANULACEAE	BELLFLOWER	<i>Lobelia cardinalis</i>	<i>Lobelia cardinalis</i>	cardinal flower	206	P				

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CAMPANULACEAE	CAMPANULACEAE	BELLFLOWER	<i>Triodanis coloradoensis</i>	<i>Triodanis coloradoensis</i>	western Venus' looking-glass	205	A				
CAMPANULACEAE	CAMPANULACEAE	BELLFLOWER	<i>Triodanis perfoliata</i>	<i>Triodanis perfoliata</i>	Venus' looking-glass	205	A				
<b>CAPPARIDACEAE</b>	<b>CAPPARACEAE</b>	<b>CAPER</b>				<b>43</b>					
CAPPARIDACEAE	CAPPARACEAE	CAPER	<i>Polanisia dodecandra</i>	<i>Polanisia dodecandra</i>	clammyweed	43	A				
<b>COMMELINACEAE</b>	<b>COMMELINACEAE</b>	<b>SPIDERWORT</b>				<b>3-5</b>					
COMMELINACEAE	COMMELINACEAE	SPIDERWORT	<i>Commelina erecta</i>	<i>Commelina erecta</i>	widow's tears; erect dayflower	4	p				
COMMELINACEAE	COMMELINACEAE	SPIDERWORT	<i>Tinantia anomala</i>	<i>Tinantia anomala</i>	false dayflower	3	A				
COMMELINACEAE	COMMELINACEAE	SPIDERWORT	<i>Tradescantia gigantea</i>	<i>Tradescantia gigantea</i>	giant spiderwort	4	P				
COMMELINACEAE	COMMELINACEAE	SPIDERWORT	<i>Tradescantia occidentalis</i>	<i>Tradescantia occidentalis</i>	prairie spiderwort	5	P				
COMMELINACEAE	COMMELINACEAE	SPIDERWORT	<i>Tradescantia pedicellata</i>	<i>Tradescantia pedicellata</i>	granite spiderwort	5	P				
<b>CONVOLVULACEAE</b>	<b>CONVOLVULACEAE</b>	<b>MORNING-GLORY</b>				<b>142-146</b>					
CONVOLVULACEAE	CONVOLVULACEAE	MORNING-GLORY	<i>Convolvulus equitans</i>	<i>Convolvulus equitans</i>	Texas bindweed	143	P				
CONVOLVULACEAE	CUSCUTACEAE	MORNING-GLORY	<i>Cuscuta sp</i>	<i>Cuscuta sp</i>	dodder, angel hair	146	P				
CONVOLVULACEAE	CONVOLVULACEAE	MORNING-GLORY	<i>Evolvulus pilosus</i>	<i>Evolvulus nuttallianus</i>	hairy evolvulus; silky evolvulus	142	P				
CONVOLVULACEAE	CONVOLVULACEAE	MORNING-GLORY	<i>Evolvulus sericeus</i>	<i>Evolvulus sericeus</i>	white evolvulus	142	P				
CONVOLVULACEAE	CONVOLVULACEAE	MORNING-GLORY	<i>Ipomoea lindheimeri</i>	<i>Ipomoea lindheimeri</i>	Lindheimer's morning-glory	144	P				
CONVOLVULACEAE	CONVOLVULACEAE	MORNING-GLORY	<i>Ipomoea pandurata</i>	<i>Ipomoea pandurata</i>	wild potato; bigroot morning-glory	143	P				
CONVOLVULACEAE	CONVOLVULACEAE	MORNING-GLORY	<i>Ipomoea trichocarpa</i>	<i>Ipomoea cordatotriloba</i> var. <i>cordatotriloba</i>	purple bindweed	145	P				
CONVOLVULACEAE	CONVOLVULACEAE	MORNING-GLORY	<i>Merremia dissecta</i>	<i>Merremia dissecta</i>	Alamo vine	145	P				

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<b>CRASSULACEAE</b>	<b>CRASSULACEAE</b>	<b>STONECROP</b>				<b>44</b>					
CRASSULACEAE	CRASSULACEAE	STONECROP	<i>Sedum nuttallianum</i>	<i>Sedum nuttallianum</i>	yellow stonecrop	44	A				
<b>CUCURBITACEAE</b>	<b>CUCURBITACEAE</b>	<b>GOURD</b>				<b>202-203</b>					
CUCURBITACEAE	CUCURBITACEAE	GOURD	<i>Cucurbita foetidissima</i>	<i>Cucurbita foetidissima</i>	buffalo gourd	202	P				
CUCURBITACEAE	CUCURBITACEAE	GOURD	<i>Ibervillea lindheimeri</i>	<i>Ibervillea lindheimeri</i>	balsam-bourd; snake-apple	203	P				
CUCURBITACEAE	CUCURBITACEAE	GOURD	<i>Melothria pendula</i>	<i>Melothria pendula</i>	meloncito; speckled gourd	202	P				
<b>EUPHORBIACEAE</b>	<b>EUPHORBIACEAE</b>	<b>SPURGE</b>				<b>87-90</b>					
EUPHORBIACEAE	EUPHORBIACEAE	SPURGE	<i>Acalypha radians</i>	<i>Acalypha radians</i>	cardinal feather	87	P				
EUPHORBIACEAE	EUPHORBIACEAE	SPURGE	<i>Acalypha lindheimeri</i>	<i>Acalypha phleoides</i>	three-seeded mercury; copperleaf	87	P				
EUPHORBIACEAE	EUPHORBIACEAE	SPURGE	<i>Cnidoscolus texanus</i>	<i>Cnidoscolus texanus</i>	Texas bullnettle	89	P				
EUPHORBIACEAE	EUPHORBIACEAE	SPURGE	<i>Euphorbia cyathophora</i>	<i>Euphorbia cyathophora</i>	wild poinsettia	90	P				
EUPHORBIACEAE	EUPHORBIACEAE	SPURGE	<i>Euphorbia marginata</i>	<i>Euphorbia marginata</i>	snow-on-the-mountain	90	A				
EUPHORBIACEAE	EUPHORBIACEAE	SPURGE	<i>Euphorbia roemeriana</i>	<i>Euphorbia roemeriana</i>	Roemer's spurge	89	A				
EUPHORBIACEAE	EUPHORBIACEAE	SPURGE	<i>Stillingia texana</i>	<i>Stillingia texana</i>	queen's delight	88	P				
<b>LEGUMINOSAE</b>	<b>FABACEAE</b>	<b>BEAN</b>				<b>54-78</b>					
LEGUMINOSAE	FABACEAE	BEAN	<i>Astragalus crassicaarpus</i>	<i>Astragalus crassicaarpus</i>	ground plum	76	P				
LEGUMINOSAE	FABACEAE	BEAN	<i>Astragalus nuttallianus</i>	<i>Astragalus nuttallianus</i>	Nuttall's milkvetch	75	P/A				
LEGUMINOSAE	FABACEAE	BEAN	<i>Dalea aurea</i>	<i>Dalea aurea</i>	golden dalea	70	P				



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LEGUMINOSAE	FABACEAE	BEAN	<i>Dalea hallii</i>	<i>Dalea hallii</i>	Hall's dalea	71	P				
LEGUMINOSAE	FABACEAE	BEAN	<i>Desmanthus illinoensis</i>	<i>Desmanthus illinoensis</i>	Illinois bundleflower	56	P				
	FABACEAE	BEAN		<i>Desmanthus velutinus</i>	velvet-leaf bundleflower	NIE	P				
	FABACEAE	BEAN		<i>Desmodium ciliare</i>	small-leaf tick-clover; hairy small-leaf ticktrefoil	NIE	P				
LEGUMINOSAE	FABACEAE	BEAN	<i>Indigofera miniata</i>	<i>Indigofera miniata</i>	scarlet pea	65	P				
LEGUMINOSAE	FABACEAE	BEAN	<i>Lespedeza stuevei</i>	<i>Lespedeza stuevei</i>	tall bush clover	78	P				
LEGUMINOSAE	FABACEAE	BEAN	<i>Lupinus texensis</i>	<i>Lupinus texensis</i>	Texas bluebonnet	63	A				
LEGUMINOSAE	FABACEAE	BEAN	<i>Melilotus albus</i>	<i>Melilotus albus</i>	white sweet-clover	64	A				
LEGUMINOSAE	FABACEAE	BEAN	<i>Melilotus indicus</i>	<i>Melilotus indicus</i>	sour clover; annual yellow sweet-clover	64	A				
LEGUMINOSAE	FABACEAE	BEAN	<i>Mimosa sp</i>	<i>Mimosa sp</i>	pink mimosa	56	P				
LEGUMINOSAE	FABACEAE	BEAN	<i>Neptunia lutea</i>	<i>Neptunia lutea</i>	yellow-puff; Neptunia	57	P				
LEGUMINOSAE	FABACEAE	BEAN	<i>Psoralea cuspidatum</i>	<i>Pedimelum cuspidatum</i>	Indian-turnip	67	P				
LEGUMINOSAE	FABACEAE	BEAN	<i>Psoralea cyphocalyx</i>	<i>Pedimelum cyphocalyx</i>	wand psoralea; turnip-root scurf-pea	66	P				
LEGUMINOSAE	FABACEAE	BEAN	<i>Psoralea latestipulatum</i>	<i>Pedimelum latestipulatum</i>	scurf-pea	66	P				
LEGUMINOSAE	FABACEAE	BEAN	<i>Psoralea rhombifolium</i>	<i>Pedimelum rhombifolium</i>	brown-flowered psoralea; brown-flowered surf-pea	67	P				
	FABACEAE	BEAN		<i>Rhynchosia sp.</i>	snout-bean	NIE	P				
LEGUMINOSAE	FABACEAE	BEAN	<i>Schrankia sp.</i>	<i>Schrankia spp.</i>	sensitive briar	57	P				
LEGUMINOSAE	FABACEAE	BEAN	<i>Senna lindheimeri</i>	<i>Senna lindheimeriana</i>	Lindheimer's senna	60	P				
LEGUMINOSAE	FABACEAE	BEAN	<i>Senna roemeriana</i>	<i>Senna roemeriana</i>	two-Leaved senna	59	P				
	FABACEAE	BEAN		<i>Sesbania vesicaria</i>	bagpod	NIE	A				

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LEGUMINOSAE	FABACEAE	BEAN	<i>Vicia ludoviciana</i>	<i>Vicia ludoviciana</i>	deer-pea vetch	78	A				
<b>FUMARIACEAE</b>	<b>FUMARIACEAE</b>	<b>FUMITORY</b>				<b>36</b>					
FUMARIACEAE	FUMARIACEAE	FUMITORY	<i>Corydalis curvisiliqua</i>	<i>Corydalis curvisiliqua</i>	scrambled eggs	36	A				
<b>GENTIANACEAE</b>	<b>GENTIANACEAE</b>	<b>GENTIAN</b>				<b>131-133</b>					
GENTIANACEAE	GENTIANACEAE	GENTIAN	<i>Centaurium beyrichii</i>	<i>Centaurium beyrichii</i>	mountain pink	132	A				
GENTIANACEAE	GENTIANACEAE	GENTIAN	<i>Centaurium calycosum</i>	<i>Centaurium calycosum</i>	rosita	132	A				
GENTIANACEAE	GENTIANACEAE	GENTIAN	<i>Eustoma grandiflorum</i>	<i>Eustoma exaltatum</i>	Texas bluebell; prairie gentian	133	A/P				
GENTIANACEAE	GENTIANACEAE	GENTIAN	<i>Sabatia campestris</i>	<i>Sabatia campestris</i>	rose-gentian	131	A				
	GENTIANACEAE	GENTIAN		<i>Sabatia formosa</i>	rose-gentian	NIE	A				
<b>GERANIACEAE</b>	<b>GERANIACEAE</b>	<b>GERANIUM</b>				<b>80</b>					
GERANIACEAE	GERANIACEAE	GERANIUM	<i>Erodium cicutarium</i>	<i>Erodium cicutarium</i>	pin clover; filaree	80	A				
GERANIACEAE	GERANIACEAE	GERANIUM	<i>Erodium texanum</i>	<i>Erodium texanum</i>	stork's-bill	80	A				
GERANIACEAE	GERANIACEAE	GERANIUM	<i>Geranium carolinianum</i>	<i>Geranium carolinianum</i>	Carolina geranium	80	A				
<b>HYDROPHYLLACEAE</b>	<b>HYDROPHYLLACEAE</b>	<b>WATERLEAF</b>				<b>151-152</b>					
HYDROPHYLLACEAE	HYDROPHYLLACEAE	WATERLEAF	<i>Nama hispidum</i>	<i>Nama hispidum</i>	sand bells	152	A				
HYDROPHYLLACEAE	HYDROPHYLLACEAE	WATERLEAF	<i>Nemophila phacelioides</i>	<i>Nemophila phacelioides</i>	baby blue-eyes	151	A				
HYDROPHYLLACEAE	HYDROPHYLLACEAE	WATERLEAF	<i>Phacelia congesta</i>	<i>Phacelia congesta</i>	blue-curls	152	A				
HYDROPHYLLACEAE	HYDROPHYLLACEAE	WATERLEAF	<i>Phacelia patuliflora</i>	<i>Phacelia patuliflora</i>	blue phacelia	151	A				

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<b>IRIDACEAE</b>	<b>IRIDACEAE</b>	<b>IRIS</b>				<b>13</b>					
IRIDACEAE	IRIDACEAE	IRIS	<i>Nemastylis geminiflora</i>	<i>Nemastylis geminiflora</i>	celestials; celestial lily	13	P				
IRIDACEAE	IRIDACEAE	IRIS	<i>Sisyrinchium ensigerum</i>	<i>Sisyrinchium chilense</i>	blue-eye grass	13	P				
<b>KRAMERIACEAE</b>	<b>KRAMERIACEAE</b>	<b>RATANY</b>				<b>79</b>					
KRAMERIACEAE	KRAMERIACEAE	RATANY	<i>Krameria lanceolata</i>	<i>Krameria lanceolata</i>	ratany; krameria	79	P				
<b>LABIATAE</b>	<b>LAMIACEAE</b>	<b>MINT</b>				<b>162-175</b>					
LABIATAE	LAMIACEAE	MINT	<i>Brazoria scutellarioides</i>	<i>Warnockia scutellarioides</i>	prairie brazoria	164	A				
LABIATAE	LAMIACEAE	MINT	<i>Hedeoma acinoides</i>	<i>Hedeoma acinoides</i>	annual pennyroyal	175	A				
LABIATAE	LAMIACEAE	MINT	<i>Hedeoma drummondii</i>	<i>Hedeoma drummondii</i>	mock pennyroyal	175	P				
LABIATAE	LAMIACEAE	MINT	<i>Lamium amplexicaule</i>	<i>Lamium amplexicaule</i>	henbit	167	A				
LABIATAE	LAMIACEAE	MINT	<i>Marrubium vulgare</i>	<i>Marrubium vulgare</i>	common horehound	174	P				
LABIATAE	LAMIACEAE	MINT	<i>Mentha spicata</i>	<i>Mentha spicata</i>	spearmint	174	P				
LABIATAE	LAMIACEAE	MINT	<i>Monarda clinopodioides</i>	<i>Monarda clinopodioides</i>	basil beebalm	172	A				
LABIATAE	LAMIACEAE	MINT	<i>Monarda citriodora</i>	<i>Monarda citriodora</i>	purple horsemint; lemon beebalm	173	A				
LABIATAE	LAMIACEAE	MINT	<i>Monarda punctata</i>	<i>Monarda punctata</i>	spotted beebalm	172	A				
LABIATAE	LAMIACEAE	MINT	<i>Physostegia angustifolia</i>	<i>Physostegia angustifolia</i>	false dragonhead	166	P				
LABIATAE	LAMIACEAE	MINT	<i>Physostegia intermedia</i>	<i>Physostegia intermedia</i>	obedient plant	165	P				
LABIATAE	LAMIACEAE	MINT	<i>Salvia azurea</i>	<i>Salvia azurea</i>	giant blue sage; pitcher sage	171	P				
LABIATAE	LAMIACEAE	MINT	<i>Salvia coccinea</i>	<i>Salvia coccinea</i>	tropical sage	171	P				

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LABIATAE	LAMIACEAE	MINT	<i>Salvia engelmannii</i>	<i>Salvia engelmannii</i>	Engelmann's salvia	168	P				
LABIATAE	LAMIACEAE	MINT	<i>Salvia farinacea</i>	<i>Salvia farinacea</i>	mealy sage; mealy blue sage	170	P				
	LAMIACEAE	MINT		<i>Salvia penstemonoides</i>	big red sage	NIE	P				
	LAMIACEAE	MINT		<i>Salvia reflexa</i>	lance-leaf sage	NIE	A				
LABIATAE	LAMIACEAE	MINT	<i>Salvia roemeriana</i>	<i>Salvia roemeriana</i>	cedar sage	169	P				
LABIATAE	LAMIACEAE	MINT	<i>Salvia texana</i>	<i>Salvia texana</i>	blue sage, Texas blue sage	168	P				
LABIATAE	LAMIACEAE	MINT	<i>Scutellaria drummondii</i>	<i>Scutellaria drummondii</i>	Drummond's skullcap	163	A				
LABIATAE	LAMIACEAE	MINT	<i>Scutellaria ovata ssp. bracteata</i>	<i>Scutellaria ovata ssp. bracteata</i>	heart-leaf skullcap	164	P				
LABIATAE	LAMIACEAE	MINT	<i>Scutellaria wrightii</i>	<i>Scutellaria wrightii</i>	bushy skullcap	163	P				
LABIATAE	LAMIACEAE	MINT	<i>Teucrium canadense</i>	<i>Teucrium canadense</i>	American germander	162	P				
LABIATAE	LAMIACEAE	MINT	<i>Teucrium laciniatum</i>	<i>Teucrium laciniatum</i>	cut-leaf germander	162	P				
	<b>LENTBULARIACEAE</b>	<b>BLADDERWORT</b>				<b>NIE</b>					
	LENTBULARIACEAE	BLADDERWORT		<i>Utricularia gibba</i>	conespur bladderpod	NIE	P				
<b>LILIACEAE</b>	<b>LILIACEAE</b>	<b>LILY</b>				<b>6-12</b>					
LILIACEAE	LILIACEAE	LILY	<i>Allium drummondii</i>	<i>Allium drummondii</i>	wild garlic	8	P				
LILIACEAE	LILIACEAE	LILY	<i>Allium canadense var. canadense</i>	<i>Allium canadense var. canadense</i>	wild onion; Canada garlic	8	P				
LILIACEAE	LILIACEAE	LILY	<i>Androstephium coeruleum</i>	<i>Androstephium coeruleum</i>	funnel-flower; blue funnel-lily	10	P				
AMARYLLIDACEAE (This family incorporated into Liliaceae family)	LILIACEAE	LILY	<i>Cooperia drummondii</i>	<i>Cooperia drummondii</i>	fall rain-lily	12	P				

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AMARYLLIDACEAE (This family incorporated into Liliaceae family)	LILIACEAE	LILY	<i>Cooperia pedunculata</i>	<i>Cooperia pedunculata</i>	rain-lily	12	P				
	LILIACEAE	LILY		<i>Escheandia flavescens</i>	craglily, Torrey's craglily		P				
LILIACEAE	LILIACEAE	LILY	<i>Nothoscordum bivalve</i>	<i>Nothoscordum bivalve</i>	crow poison; false garlic	7	P				
LILIACEAE	LILIACEAE	LILY	<i>Schoenocaulon texanum</i>	<i>Schoenocaulon drummondii</i>	green lily; sabadilla	7	P				
LILIACEAE	LILIACEAE	LILY	<i>Zigadenus nuttallii</i>	<i>Zigadenus nuttallii</i>	death camas	6	P				
<b>LINACEAE</b>	<b>LINACEAE</b>	<b>FLAX</b>				<b>82-83</b>					
LINACEAE	LINACEAE	FLAX	<i>Linum rigidum var. berlandieri</i>	<i>Linum berlandieri</i>	yellow flax	83	A				
LINACEAE	LINACEAE	FLAX	<i>Linum pratense</i>	<i>Linum pratense</i>	meadow flax	82	A				
LINACEAE	LINACEAE	FLAX	<i>Linum rupestre</i>	<i>Linum rupestre</i>	rock flax	82	P				
<b>LOASACEAE</b>	<b>LOASACEAE</b>	<b>STICKLEAF</b>				<b>107-108</b>					
LOASACEAE	LOASACEAE	STICKLEAF	<i>Mentzelia oligosperma</i>	<i>Mentzelia oligosperma</i>	stick-leaf; chickentief	108	P				
LOASACEAE	LOASACEAE	STICKLEAF	<i>Mentzelia reverchonii</i>	<i>Mentzelia reverchonii</i>	Reverchon's stickleaf; prairie stickleaf	108	P				
<b>LYTHRACEAE</b>	<b>LYTHRACEAE</b>	<b>LOOSESTRIFE</b>				<b>111</b>					
LYTHRACEAE	LYTHRACEAE	LOOSESTRIFE	<i>Lythrum californicum</i>	<i>Lythrum californicum</i>	California loosestrife	111	P				
	LYTHRACEAE	LOOSESTRIFE		<i>Nesaea longipes</i>	stalkflower	NIE	P				
<b>MALPIGHIACEAE</b>	<b>MALPIGHIACEAE</b>	<b>MALPIGHIA</b>				<b>85</b>					
MALPIGHIACEAE	MALPIGHIACEAE	MALPIGHIA	<i>Galphimia angustifolia</i>	<i>Galphimia angustifolia</i>	thryallis	85	P				

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<b>MALVACEAE</b>	<b>MALVACEAE</b>	<b>MALLOW</b>				<b>96-100</b>					
MALVACEAE	MALVACEAE	MALLOW	<i>Abutilon fruticosum</i>	<i>Abutilon fruticosum</i>	Indian mallow; pelotazo	99	P				
MALVACEAE	MALVACEAE	MALLOW	<i>Allowissadula holosericea</i>	<i>Allowissadula holosericea</i>	velvet-leaf mallow	98	P				
MALVACEAE	MALVACEAE	MALLOW	<i>Callirhoe digitata</i>	<i>Callirhoe digitata</i>	standing winecup	98	P				
MALVACEAE	MALVACEAE	MALLOW	<i>Callirhoe involucrata</i>	<i>Callirhoe involucrata</i>	winecup; bracted winecup	97	P				
MALVACEAE	MALVACEAE	MALLOW	<i>Callirhoe leiocarpa</i>	<i>Callirhoe leiocarpa</i>	annual winecup	98	A				
MALVACEAE	MALVACEAE	MALLOW	<i>Malvaviscus arboreus</i> var. <i>drummondii</i>	<i>Malvaviscus arboreus</i> var. <i>drummondii</i>	turk's cap	96	P				
	MALVACEAE	MALLOW		<i>Modiola caroliniana</i>	Carolina modiola	NIE	A				
MALVACEAE	MALVACEAE	MALLOW	<i>Pavonia lasiopetala</i>	<i>Pavonia lasiopetala</i>	rose pavonia	96	P				
	MALVACEAE	MALLOW		<i>Rhynchosida physocalyx</i>	balloon sida; bladder sida	NIE	P				
MALVACEAE	MALVACEAE	MALLOW	<i>Sida abutifolia</i>	<i>Sida abutifolia</i>	spreading sida	100	P				
MALVACEAE	MALVACEAE	MALLOW	<i>Sphaeralcea angustifolia</i>	<i>Sphaeralcea angustifolia</i>	copper mallow	99	P				
<b>MARTYNIACEAE</b>	<b>PEDALIACEAE</b>	<b>UNICORN PLANT</b>				<b>192</b>					
MARTYNIACEAE	PEDALIACEAE	UNICORN PLANT	<i>Proboscidea louisianica</i>	<i>Proboscidea louisianica</i>	devil's claw; unicorn plant	192	A				
<b>NYCTAGINACEAE</b>	<b>NYCTAGINACEAE</b>	<b>FOUR O'CLOCK</b>				<b>19-20</b>					
NYCTAGINACEAE	NYCTAGINACEAE	FOUR O'CLOCK	<i>Boerhavia coccinea</i>	<i>Boerhavia coccinea</i>	scarlet spiderling	20	P				
NYCTAGINACEAE	NYCTAGINACEAE	FOUR O'CLOCK	<i>Mirabilis linearis</i>	<i>Mirabilis linearis</i>	wild four-o'clock	19	P				
NYCTAGINACEAE	NYCTAGINACEAE	FOUR O'CLOCK	<i>Nyctaginia capitata</i>	<i>Nyctaginia capitata</i>	scarlet musk-flower	19	P				
<b>ONAGRACEAE</b>	<b>ONAGRACEAE</b>	<b>EVENING PRIMROSE</b>				<b>112-119</b>					

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ONAGRACEAE	ONAGRACEAE	EVENING PRIMROSE	<i>Calylophus berlandieri</i>	<i>Calylophus berlandieri</i>	square-bud primrose	113	p				
ONAGRACEAE	ONAGRACEAE	EVENING PRIMROSE	<i>Gaura calcicola</i>	<i>Gaura calcicola</i>	limestone gaura	113	P				
ONAGRACEAE	ONAGRACEAE	EVENING PRIMROSE	<i>Gaura coccinea</i>	<i>Gaura coccinea</i>	scarlet gaura	114	P				
	ONAGRACEAE	EVENING PRIMROSE		<i>Gaura mollis</i>	lizard's-tail	NIE	A				
ONAGRACEAE	ONAGRACEAE	EVENING PRIMROSE	<i>Gaura suffulta</i>	<i>Gaura suffulta</i>	wild honeysuckle	115	A				
ONAGRACEAE	ONAGRACEAE	EVENING PRIMROSE	<i>Ludwigia octovalvis</i>	<i>Ludwigia octovalvis</i>	water-primrose	119	p				
ONAGRACEAE	ONAGRACEAE	EVENING PRIMROSE	<i>Oenothera jamesii</i>	<i>Oenothera jamesii</i>	river primrose	115	B				
ONAGRACEAE	ONAGRACEAE	EVENING PRIMROSE	<i>Oenothera laciniata</i>	<i>Oenothera laciniata</i>	cutleaf evening-primrose	118	P				
ONAGRACEAE	ONAGRACEAE	EVENING PRIMROSE	<i>Oenothera macrocarpa</i>	<i>Oenothera macrocarpa</i>	Missouri primrose; fluttermills	116	P				
ONAGRACEAE	ONAGRACEAE	EVENING PRIMROSE	<i>Oenothera speciosa</i>	<i>Oenothera speciosa</i>	pink evening-primrose	116	P				
ONAGRACEAE	ONAGRACEAE	EVENING PRIMROSE	<i>Oenothera triloba</i>	<i>Oenothera triloba</i>	stemless evening-primrose	118	A/B				
ONAGRACEAE	ONAGRACEAE	EVENING PRIMROSE	<i>Stenosiphon linifolius</i>	<i>Stenosiphon linifolius</i>	false gaura	119	P				
<b>ORCHIDACEAE</b>	<b>ORCHIDACEAE</b>	<b>ORCHID</b>				<b>14</b>					
ORCHIDACEAE	ORCHIDACEAE	ORCHID	<i>Epipactis gigantea</i>	<i>Epipactis gigantea</i>	stream orchid; giant helleborine	14	p				
ORCHIDACEAE	ORCHIDACEAE	ORCHID	<i>Spiranthes cernua</i>	<i>Spiranthes cernua</i>	ladies' tresses	14	P				
<b>OXALIDACEAE</b>	<b>OXALIDACEAE</b>	<b>OXALIS</b>				<b>81</b>					
OXALIDACEAE	OXALIDACEAE	OXALIS	<i>Oxalis dillenii</i>	<i>Oxalis dillenii</i>	yellow wood-sorrel	81	P				
OXALIDACEAE	OXALIDACEAE	OXALIS	<i>Oxalis drummondii</i>	<i>Oxalis drummondii</i>	wood-sorrel, pink wood-sorrel	81	P				
<b>PAPAVERACEAE</b>	<b>PAPAVERACEAE</b>	<b>POPPY</b>				<b>35</b>					

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PAPAVERACEAE	PAPAVERACEAE	POPPY	<i>Argemone albiflora</i>	<i>Argemone albiflora</i>	white prickly-poppy	35	A				
PAPAVERACEAE	PAPAVERACEAE	POPPY	<i>Argemone mexicana</i>	<i>Argemone mexicana</i>	yellow prickly-poppy	35	A				
<b>PASSIFLORACEAE</b>	<b>PASSIFLORACEAE</b>	<b>PASSIONFLOWER</b>				<b>105-106</b>					
	PASSIFLORACEAE	PASSIONFLOWER		<i>Passiflora affinis</i>	bracted yellow passionflower	NIE	P				
PASSIFLORACEAE	PASSIFLORACEAE	PASSIONFLOWER	<i>Passiflora foetida</i>	<i>Passiflora foetida</i>	corona de cristo	106	P				
PASSIFLORACEAE	PASSIFLORACEAE	PASSIONFLOWER	<i>Passiflora lutea</i>	<i>Passiflora lutea</i>	yellow passionflower	105	p				
PASSIFLORACEAE	PASSIFLORACEAE	PASSIONFLOWER	<i>Passiflora tenuiloba</i>	<i>Passiflora tenuiloba</i>	slender-lobe passionflower	105	P				
<b>PHYTOLACCACEAE</b>	<b>PHYTOLACCACEAE</b>	<b>POKEWEED</b>				<b>21</b>					
	PHYTOLACCACEAE	POKEWEED		<i>Phytolacca americana</i>	pokeweed	NIE	P				
PHYTOLACCACEAE	PHYTOLACCACEAE	POKEWEED	<i>Rivina humilis</i>	<i>Rivina humilis</i>	pigeon-berry; rouge plant	21	P				
<b>POLEMONIACEAE</b>	<b>POLEMONIACEAE</b>	<b>PHLOX</b>				<b>147-150</b>					
POLEMONIACEAE	POLEMONIACEAE	PHLOX	<i>Gilia rigidula</i>	<i>Giliastrum acerosum</i>	blue gilia	148	A/P				
POLEMONIACEAE	POLEMONIACEAE	PHLOX	<i>Ipomopsis rubra</i>	<i>Ipomopsis rubra</i>	standing cypress; Texas plume	147	B				
POLEMONIACEAE	POLEMONIACEAE	PHLOX	<i>Phlox drummondii</i> ssp. <i>mcallisteri</i>	<i>Phlox drummondii</i> ssp. <i>mcallisteri</i>	Drummond's phlox	149	A				
POLEMONIACEAE	POLEMONIACEAE	PHLOX	<i>Phlox pilosa</i> ssp. <i>pilosa</i>	<i>Phlox pilosa</i> ssp. <i>pilosa</i>	prairie phlox; downy phlox	150	P				
POLEMONIACEAE	POLEMONIACEAE	PHLOX	<i>Phlox roemeriana</i>	<i>Phlox roemeriana</i>	golden-eye phlox	150	A				
<b>POLYGALACEAE</b>	<b>POLYGALACEAE</b>	<b>MILKWORT</b>				<b>86</b>					
POLYGALACEAE	POLYGALACEAE	MILKWORT	<i>Polygala alba</i>	<i>Polygala alba</i>	white milkwort	86	P				



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<b>POLYGONACEAE</b>	<b>POLYGONACEAE</b>	<b>KNOTWEED</b>				<b>17</b>					
POLYGONACEAE	POLYGONACEAE	KNOTWEED	<i>Eriogonum annuum</i>	<i>Eriogonum annuum</i>	wild tobacco	17	A/B				
POLYGONACEAE	POLYGONACEAE	KNOTWEED	<i>Persicaria bicornis</i>	<i>Polygonum pensylvanicum</i>	pink smartweed	17	A				
<b>PORTULACACEAE</b>	<b>PORTULACACEAE</b>	<b>PURSLANE</b>				<b>22</b>					
PORTULACACEAE	PORTULACACEAE	PURSLANE	<i>Portulaca umbraticola</i>	<i>Portulaca umbraticola</i>	purslane	22	A				
<b>PRIMULACEAE</b>	<b>PRIMULACEAE</b>	<b>PRIMROSE</b>				<b>128</b>					
PRIMULACEAE	PRIMULACEAE	PRIMROSE	<i>Anagallis arvensis</i>	<i>Anagallis arvensis</i>	scarlet pimpernel	128	A				
<b>RANUNCULACEAE</b>	<b>RANUNCULACEAE</b>	<b>BUTTERCUP</b>				<b>25-31</b>					
RANUNCULACEAE	RANUNCULACEAE	BUTTERCUP	<i>Anemone berlandieri</i>	<i>Anemone berlandieri</i>	wind-flower	28	P				
RANUNCULACEAE	RANUNCULACEAE	BUTTERCUP	<i>Anemone edwardsiana</i>	<i>Anemone edwardsiana</i>	two-flower anemone	29	P				
RANUNCULACEAE	RANUNCULACEAE	BUTTERCUP	<i>Aquilegia canadensis</i>	<i>Aquilegia canadensis</i>	American columbine	25	P				
RANUNCULACEAE	RANUNCULACEAE	BUTTERCUP	<i>Clematis drummondii</i>	<i>Clematis drummondii</i>	old-man's-beard; virgin's bower	29	P				
RANUNCULACEAE	RANUNCULACEAE	BUTTERCUP	<i>Clematis pitcheri</i>	<i>Clematis pitcheri</i>	purple leatherflower	31	P				
RANUNCULACEAE	RANUNCULACEAE	BUTTERCUP	<i>Clematis texensis</i>	<i>Clematis texensis</i>	scarlet leatherflower	30	P				
RANUNCULACEAE	RANUNCULACEAE	BUTTERCUP	<i>Delphinium carolinianum</i>	<i>Delphinium carolinianum</i>	blue prairie larkspur	27	P				
RANUNCULACEAE	RANUNCULACEAE	BUTTERCUP	<i>Delphinium virescens</i>	<i>Delphinium carolinianum</i> var. <i>virescens</i>	white prairie larkspur	27	P				
RANUNCULACEAE	RANUNCULACEAE	BUTTERCUP	<i>Ranunculus macranthus</i>	<i>Ranunculus macranthus</i>	large buttercup	26	P				
<b>ROSACEAE</b>	<b>ROSACEAE</b>	<b>ROSE</b>				<b>47-53</b>					

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ROSACEAE	ROSACEAE	ROSE	<i>Geum canadense</i>	<i>Geum canadense</i>	white avens	49	P				
ROSACEAE	ROSACEAE	ROSE	<i>Rubus sp</i>	<i>Rubus sp</i>	dewberry	49	P				
<b>RUBIACEAE</b>	<b>RUBIACEAE</b>	<b>MADDER</b>				<b>197-198</b>					
RUBIACEAE	RUBIACEAE	MADDER	<i>Hedyotis crassifolia</i>	<i>Houstonia pusilla</i>	small bluets	197	A				
RUBIACEAE	RUBIACEAE	MADDER	<i>Hedyotis nigricans</i>	<i>Stenaria nigricans var. nigricans</i>	tall bluets; baby's breath	197	P				
<b>RUTACEAE</b>	<b>RUTACEAE</b>	<b>CITRUS</b>				<b>84</b>					
RUTACEAE	RUTACEAE	CITRUS	<i>Thamnosma texana</i>	<i>Thamnosma texana</i>	dutchman's breeches	84	P				
<b>SCROPHULARIACEAE</b>	<b>SCROPHULARIACEAE</b>	<b>FIGWORT</b>				<b>181-190</b>					
SCROPHULARIACEAE	SCROPHULARIACEAE	FIGWORT	<i>Agalinis edwardsiana</i>	<i>Agalinis edwardsiana</i>	plateau agalinis	188	A				
SCROPHULARIACEAE	SCROPHULARIACEAE	FIGWORT	<i>Agalinis heterophylla</i>	<i>Agalinis heterophylla</i>	prairie agalinis	188	A				
SCROPHULARIACEAE	SCROPHULARIACEAE	FIGWORT	<i>Castilleja indivisa</i>	<i>Castilleja indivisa</i>	Indian paintbrush	190	P				
SCROPHULARIACEAE	SCROPHULARIACEAE	FIGWORT	<i>Castilleja purpurea var. citrina</i>	<i>Castilleja purpurea var. citrina</i>	yellow paintbrush	190	P				
SCROPHULARIACEAE	SCROPHULARIACEAE	FIGWORT	<i>Castilleja purpurea var. lindheimeri</i>	<i>Castilleja purpurea var. lindheimeri</i>	Lindheimer's paintbrush; prairie paintbrush	190	P				
SCROPHULARIACEAE	SCROPHULARIACEAE	FIGWORT	<i>Linaria canadensis</i>	<i>Nuttallanthus canadensis</i>	Texas toadflax	186	A				
SCROPHULARIACEAE	SCROPHULARIACEAE	FIGWORT	<i>Maurandya antirrhiniflora</i>	<i>Maurandella antirrhiniflora</i>	snapdragon vine	186	P				
SCROPHULARIACEAE	SCROPHULARIACEAE	FIGWORT	<i>Penstemon baccharifolius</i>	<i>Penstemon baccharifolius</i>	cutleaf penstemon; rock penstemon	183	P				
SCROPHULARIACEAE	SCROPHULARIACEAE	FIGWORT	<i>Penstemon cobaea</i>	<i>Penstemon cobaea</i>	cobaea penstemon; wild foxglove	182	P				
SCROPHULARIACEAE	SCROPHULARIACEAE	FIGWORT	<i>Penstemon guadalupensis</i>	<i>Penstemon guadalupensis</i>	white penstemon	184	P				
SCROPHULARIACEAE	SCROPHULARIACEAE	FIGWORT	<i>Penstemon triflorus</i>	<i>Penstemon triflorus</i>	scarlet penstemon	185	P				

## WILDFLOWERS NATIVE TO KERR AND SURROUNDING COUNTIES

FAMILY Name (In Enquist)	FAMILY (Current Name)	FAMILY (Common Name)	SPECIES (In Enquist)	SPECIES (Current Name)	COMMON NAME	Pg. No. in Enquist or NIE=Not in Enquist	LON GEVITY	Kerr Cty	Ken dall Cty	Gille spie Cty	Ban dera Cty
SCROPHULARIACEAE	SCROPHULARIACEAE	FIGWORT	<i>Verbascum thapsus</i>	<i>Verbascum thapsus</i>	mullein; flannel mullein	181	B				
SCROPHULARIACEAE	SCROPHULARIACEAE	FIGWORT	<i>Veronica anagallis-aquatica</i>	<i>Veronica anagallis-aquatica</i>	water speedwell	187	P				
SCROPHULARIACEAE	SCROPHULARIACEAE	FIGWORT	<i>Veronica persica</i>	<i>Veronica persica</i>	Persian speedwell	187	A				
<b>SOLANACEAE</b>	<b>SOLANACEAE</b>	<b>NIGHTSHADE</b>				<b>176-180</b>					
SOLANACEAE	SOLANACEAE	NIGHTSHADE	<i>Chamaesaracha sordida</i>	<i>Chamaesaracha sordida</i>	false nightshade	177	P				
SOLANACEAE	SOLANACEAE	NIGHTSHADE	<i>Datura inoxia</i>	<i>Datura inoxia</i>	jimson weed; Indian apple	180	A				
SOLANACEAE	SOLANACEAE	NIGHTSHADE	<i>Nicotiana repanda</i>	<i>Nicotiana repanda</i>	fiddleleaf tobacco	180	A				
SOLANACEAE	SOLANACEAE	NIGHTSHADE	<i>Physalis viscosa</i> var. <i>cinarescens</i>	<i>Physalis viscosa</i>	yellow ground-cherry	177	P				
SOLANACEAE	SOLANACEAE	NIGHTSHADE	<i>Solanum dimidiatum</i>	<i>Solanum dimidiatum</i>	western horse-nettle	178	P				
SOLANACEAE	SOLANACEAE	NIGHTSHADE	<i>Solanum elaeagnifolium</i>	<i>Solanum elaeagnifolium</i>	silver-leaf nightshade	178	P				
SOLANACEAE	SOLANACEAE	NIGHTSHADE	<i>Solanum rostratum</i>	<i>Solanum rostratum</i>	buffalo-bur	179	A				
SOLANACEAE	SOLANACEAE	NIGHTSHADE	<i>Solanum triquetrum</i>	<i>Solanum triquetrum</i>	Texas nightshade	179	P				
<b>STERCULIACEAE</b>	<b>STERCULIACEAE</b>	<b>CACAO</b>				<b>101</b>					
STERCULIACEAE	STERCULIACEAE	CACAO	<i>Hermannia texana</i>	<i>Hermannia texana</i>	Mexican mallow	101	P				
<b>VALERIANACEAE</b>	<b>VALERIANACEAE</b>	<b>VALERIAN</b>				<b>201</b>					
VALERIANACEAE	VALERIANACEAE	VALERIAN	<i>Valerianella amarella</i>	<i>Valerianella amarella</i>	corn-salad	201	A				
<b>VERBENACEAE</b>	<b>VERBENACEAE</b>	<b>VERVAIN</b>				<b>157-161</b>					
VERBENACEAE	VERBENACEAE	VERVAIN	<i>Phyla incisa</i>	<i>Phyla nodiflora</i>	frog-fruit	161	P				

**WILDFLOWERS NATIVE TO KERR AND SURROUNDING COUNTIES**

FAMILY Name (In Enquist)	FAMILY (Current Name)	FAMILY (Common Name)	SPECIES (In Enquist)	SPECIES (Current Name)	COMMON NAME	Pg. No. in Enquist or NIE=Not in Enquist	LON GEVI TY	Kerr Cty	Ken dall Cty	Gille spie Cty	Ban dera Cty
VERBENACEAE	VERBENACEAE	VERVAIN	<i>Verbena bipinnatifida</i>	<i>Glandularia bipinnatifida</i>	prairie verbena; Dakota vervain	158	P				
VERBENACEAE	VERBENACEAE	VERVAIN	<i>Verbena canescens</i>	<i>Verbena canescens</i>	gray vervain	157	P				
VERBENACEAE	VERBENACEAE	VERVAIN	<i>Verbena halei</i>	<i>Verbena halei</i>	slender vervain; Texas vervain	157	P				
VERBENACEAE	VERBENACEAE	VERVAIN	<i>Verbena pumila</i>	<i>Glandularia pumila</i>	pink vervain; low verbena	159	A				
VIOLACAEAE	VIOLACAEAE	VIOLET				104					
VIOLACAEAE	VIOLACAEAE	VIOLET	<i>Viola missouriensis</i>	<i>Viola missouriensis</i>	Missouri violet	104	P				
<i>By Edith Bettinger et al 12/26/00, updated 2011</i>											

## SUCCESS WITH WILDFLOWER SEED COLLECTION

Why would one want to collect wildflower seed?

- To grow native species, especially of the local area. Desirable wildflower species are not always available from seed companies, and are not cheap.
- To share with friends.
- To distribute to encourage native-plants in the community.

Looking ahead:

Anticipate the desire for seed in advance. Look around for blooming plants from which you'd like seed and mark the healthiest. Red surveyor tape around base is best method. Keep an eye on these plants to see when the seed matures.

Ethical considerations:

Set a good example. Don't trespass. Don't take seed from public property such as parks. Don't take seed from uncommon species unless it is very plentiful. Always scatter some of what you have collected where you have collected it, unless it is obvious that many seeds have already dropped. Otherwise, seed collection does little to degrade the environment unless you damage perennial plants.

Staying prepared:

Keep folded paper envelopes and paper bags handy for unexpected seed finds.

Precautions:

Collecting seed requires concentration, so don't forget to watch for fireants, snakes, Poison Ivy, etc.

Collection methods: (Try to minimize trash (chaff) collected with seed.)

Pre-emptive collection: Tie bag over stalk or position container on ground to catch seed, or, shake seed-bearing branches over sheet or dishpan.

Simplest: Take plants (annuals) or stalks and throw them on the ground where you want them to grow.

Standard method: Carefully cut stalks, place immediately in bucket to drop seeds. If you will get multiple varieties, fill your bucket with cans, jars or paper bags for separating species. Or a small picnic cooler can carry your cans, jars or sacks.

If you use a paper sack, roll over top edge and place a rock in the bottom to stabilize.

If mature seed and flowers are on the same stalk, try to handpick seed so that flowers can produce more seed later.

For small quantities, deep bowl or large can work well.

Avoid using plastic bags, if at all possible. These collect moisture rapidly and can speed up mold.

### When to collect?

Make sure seed pods contain mature seed (generally dry, dark, hard, easily fall off plant when disturbed) before you take them.

Collect only dry seed.

Some wildflower or another has mature seed any time of year.

### Seed Storage:

As soon as the seed is collected, spread out and dry thoroughly, checking for insects.

Keep seed dry, away from temperature extremes.

Use paper (best) or glass containers for storage, never plastic.

Generally, old seed means lower germination rates, but the maximum time for viability of different species is not well known, so using old seed is worth a try.

### Seed Cleaning: (Check for insects at each stage)

- Eliminate large pieces of trash before it breaks further.
- Run through sifter, a little at a time. Try sifters with different size holes. Try not to grate up the trash.
- Winnowing: Sometimes trash can be blown off by tossing up in a very gentle breeze, or by hair dryer on lowest and coolest setting.
- If further cleaning is needed, place seed/trash mix in a white china bowl or plate. Seed usually rests on the bottom, so some trash can be plucked off the top.
- When every seed counts and purity is required:
  1. Shaking dish up and down and side-to-side often sends seed to one side and trash to other. Flip bits of trash into one container and seed to another.
  2. Dropping small quantities of seed into palm of hand makes it easy to separate out all trash.
  3. A spoon or tweezers may be helpful.

If you expect to do frequent or large-scale seed cleaning, assemble suitable sizes of containers, sifters, dishes, spoons, etc. Seed sifters can be made from window screen or hardware cloth.

Keep seed batches well labeled throughout! Don't put stalks of different species together with the idea of separating them later, even if you anticipate planting all the seed together.

Store the cleaned seed in a cool, dry location away from extreme temperature changes.

*By Edith Bettinger 10/05/01*

# *"Keep Your Flowers Forever"*

## PRESSED FLOWER GUIDELINES

Edith Bettinger

### Collecting Flowers to Press:

Plan ahead to ensure that your specimens will be pressed quickly after being cut . Select unblemished specimens with the best color saturation possible, not damp or wilted. About midmorning or after an hour of sun is best. Consider plant materials that will enhance your flower pictures: stems, leaves, buds, vine tendrils, fine grass blades and seed heads, ferns, etc.

If you plan to cut more than a few or if you won't carry them in to press immediately, take container(s) out with you. A water bucket filled with cups or small jars is an excellent carrier. Pour about ¾" water or less in each container to minimize splashing. For bringing home small bunches, paper cups or soup cans with ½" water can be carried in the car drink-holder.

### Pressing:

Heavy, even, pressure is required. A plant press which screws together is an efficient way to apply pressure, because it can be made very tight and adjusted to increase pressure as the enclosed materials flatten. A large "cocktail-table" book over the covered plant materials, topped with a heavy stack of books or other weights, will serve as well as a press. If you have hardback books you don't want, one bound with powerful rubber bands makes a handy temporary press.

When ready to press, lay out a thick section of newspaper. On that lay out three folded facial tissues on which you have written the date. Open one of the tissues. Separate all the parts of the flower or leaf stalk so that each part is as flat and thin as possible. Any congested part should be mashed with your thumb to flatten it. Use a separate paper and tissue for this, for blotting any moisture, and for destroying insects that try to escape. Trim away excess, undesirable or wet portions.

As you arrange materials on a tissue, think how you will use them. To flatten each part the way it should dry, gently press it with your finger. Some flowers need to face the tissue fold in a certain position to take advantage of the slight sideways pressure when the tissue is refolded. Make sure that there is space around each plant part.

Corrugated cardboard between each newspaper section aids drying.

### Using Pressed Flowers:

When your plant materials are paper-dry (5 to 8 days), they can be removed from pressure. Before this, do not open the tissue. A good storage device is a large phone book with post-it labels protruding for index tabs. Try to allow at least a month of further drying before mounting.

The most versatile means of mounting pressed materials is to glue lightly the specimen and then cover the picture with adhesive plastic film such as transparent shelf-paper. Background materials could be paper for stationery, .005ml clear acetate for transparent bookmarks, mat board for pictures to be framed, or foam board for stand-alone display on easels. For permanent display, background material should be acid-free.

If pressed-flower art is subjected to excessive light, the colors are likely to fade.

## **SEED SOWING INSTRUCTIONS**

1. Sow the seeds September through November.
2. Clear the area of other plants.
3. Shallowly scratch the surface of the soil. Do not till more than 1 inch.
4. Sprinkle the seeds over the area.
5. Shallowly cover or tamp the seeds to make good soil contact. (Don't tamp with your shoes if the soil is moist.)
6. Gently water the area.
7. Keep the area slightly damp until germination.

Attachment "B"



# THE PERFECT SEED ENVELOPE

by Edith Bettinger

Recycle your 8½ x 11 sheets of paper that have a blank side to create seed containers that can be opened repeatedly, closed securely, and stored conveniently.

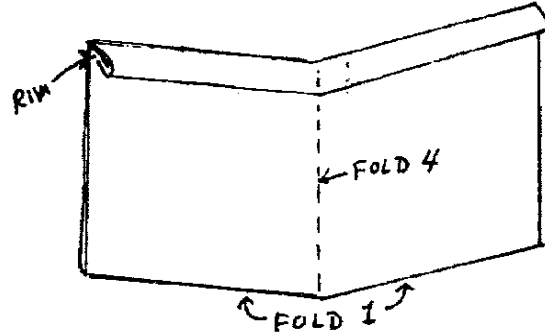
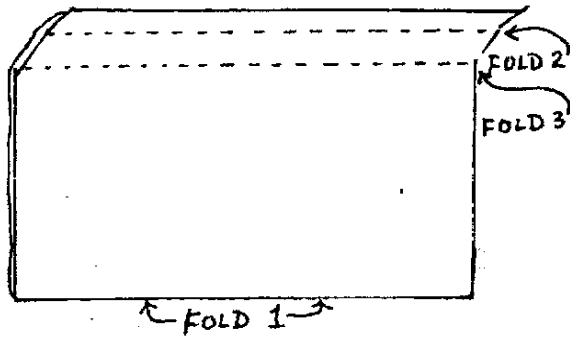
The late Carroll Abbott, pioneer native plant grower and founder of the Native Plant Society of Texas, stopped to rest by a stream while on a seed-collecting hike. He folded a paper cup so he could get a drink. He discovered that with two more folds he had an

envelope which could be opened and closed, and from which the finest seed could not escape. Instructions for making this useful envelope are given below. This is easier than it looks.

Keeping these envelopes handy will enhance your chances of collecting and saving valuable seed. For larger seeds or larger quantities, use grocery sacks (with a rock in the bottom so you can set it down without its blowing over).

Before you place seed in the en-

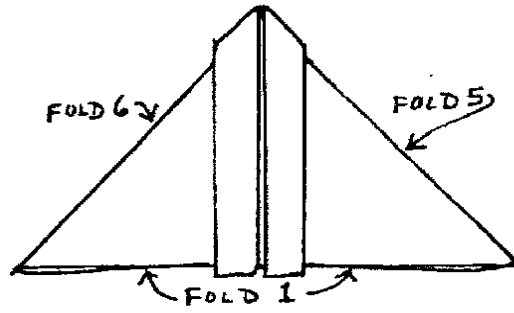
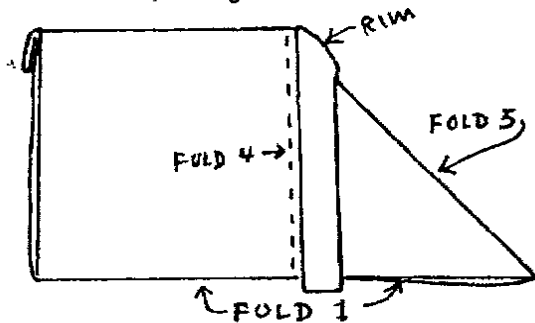
velope, write identification, date, and location on the flat surface. Transfer seed from the envelope to an open dish as soon as possible to complete hulling and to eliminate varmints. Allow seed to dry thoroughly in a cool, airy place. The envelope can remain with the seed as a label. If seed are to be stored, return them to the envelope. Groups of these can be rubber-banded together and stored in a paper bag in the refrigerator or elsewhere.



**Folds: Instructions:**

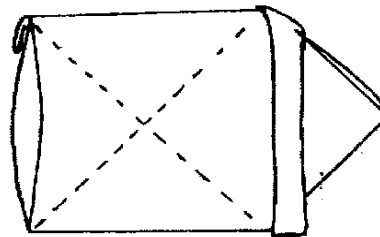
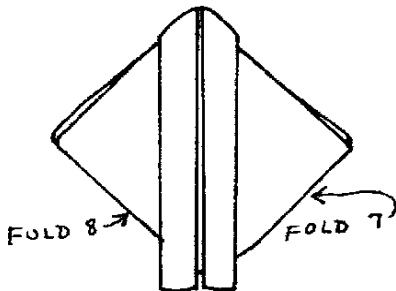
1,2,3: Fold paper in half (8½ x 5½), then fold the edges toward you about ½ inch, forming a "rim".

4: Make a vertical crease by folding paper in half with rim outward, then reopening.



5 & 6: Turn paper over with rim underneath and at top. Fold upper corners down to center so that rim edges meet at

vertical crease. (Flatten each fold as you make it, especially corners.)



7 & 8: Complete the envelope by folding bottom corners up and tucking

under rim. To open envelope, reverse Fold 8, then Fold 6.

## **TOOLS FOR SEED GLEANING**

When going into the field to collect seed, the following items are useful to have with you.

1. A carrying container (large bag, cooler, box)
2. Bug spray
3. Clippers
4. Gloves
5. Seed Envelopes, small and medium size paper bags
6. Surveyor tape (for marking plants to revisit)
7. Pen or marker
8. A rock (to use as a weight in a large bag)

## USEFUL RESOURCES

### RESOURCES:

- Ajilvsgi, G. 2002. *Wildflowers of Texas*. Shearer Publishing, Fredericksburg, Texas.
- Correll, D.S. and M.C. Johnston. 1970. Manual of the Vascular Plants of Texas. Texas Research Foundation, Renner, Texas.
- Cox, P.W. and P. Leslie. 1988. *Texas Trees a Friendly Guide*. Corona Publishing Co., San Antonio, Texas.
- Diggs, G.M., B.L. Lipscomb, and R.J. O'Kennon. 1999. Shinnery and Mahler's Illustrated Flora of North Central Texas. SIDA, Botanical Miscellany, No.16. Botanical Research Institute of Texas, Fort Worth, Texas and Austin College, Sherman, Texas.
- Enquist, M. 1987. Wildflowers of the Texas Hill Country. Lone Star Botanical, Austin, Texas.
- Elpel, Thomas J. 1996. *Botany in a Day*. Hops Press LLC. Pny, Montana
- Harris, J.G. and M.W. Harris. 2004. Plant Identification Terminology, Second Edition. Spring Lake Publishing, Spring Lake, Utah.
- Loflin, Brian & Shirley Loflin. 2006. *Grasses of the Texas Hill Country*. Texas A&M University Press, College Station, Texas.
- Vines, Robert A. 1960, *Trees, Shrubs and Woody Vines of the Southwest*. University of Texas Press. Austin, Texas.
- Wrede J. 2005. *Trees, Shrubs, and Vines of the Texas Hill country*. Texas A&M University Press, College Station, Texas.

### WEBSITES:

- Capitalization/Pronunciations – <http://plants.ifas.ufl.edu/guide/scicom>:
- Flora of North America @ eFloras.org – <http://www.efloras.org/flora-page.aspx?flora-id=1>
- Herbarium Collection TAMU-Uvalde – <http://uvalde.tamu.edu/herbarium/index.html>
- Kew Gardens – Royal Botanical Gardens, Kew – [www.kew.org](http://www.kew.org)
- Ladybird Johnson Wildflower Center – <http://www.wildflower.org>
- Missouri Botanical Garden – [www.mobot.org](http://www.mobot.org)
- Native American Seed – [www.seedsource.org](http://www.seedsource.org)
- Native Plants for Butterflies – Native Plant Society of Texas-Kerrville - <http://www.npsot.org/Kerrville>
- Native Plant Society of Texas – <http://www.npsot.org>
- Noble Foundation - Plant Image Gallery – <http://www.noble.org/webapps/plantimagegallery/>
- Oak Wilt Information – <http://texasoakwilt.org>
- Plant Descriptions – Flora of North America – <http://www.efloras.org/flora-page.aspx?flora-id=1>
- Riverside Nature Center-Kerrville – <http://www.riversidenaturecenter.org>
- TAMU Vascular Plant Image Gallery – <http://www.csd.tamu.edu/FLORA/gallery.htm>
- Texas Forest Service – <http://txforestservice.tamu.edu/main/default.aspx>
- Texas Parks & Wildlife – <http://www.tpwd.state.tx.us>
- TPWD Sources of Native Plants & Seeds – <http://www.tpwd.state.tx.us/nature/wildscapes/plantsrc.htm>
- USDA Plant Database – <http://www.plants.usda.gov>

# BUTTERFLY LARVAL AND NECTAR PLANTS

## Type

G Grass/Sedge	L - Larval	Sp - Spring
H-A Herb - Annual	N - Nectar	S - Summer
H-P Herb - Perennial		F - Fall
T Tree/Shrub		W - Winter
V Vine		
O Other		

## Reference Sources:

*Wildflowers of the Texas Hill Country*, Marshall Enquist  
*Wildflowers of Texas*, Geyata Ajilvsgi  
*Butterfly Gardening for the South*, Geyata Ajilvsgi  
*Butterflies of Houston & Southeast Texas*, John and Gloria Tveten  
*Trees, Shrubs, and Vines of the Texas Hill Country*, Jan Wrede

## Web Links

<http://www.wildflower.org/>  
<http://www.texasento.net/plnts.htm>

Type	L-N	Plant Common Name	Botanical Name		Plant Family	Size	Habitat / Comments	Bloom Period				Butterfly Name	Butterfly Family
								Spring	S	F	W		
H-P	L	Mallow, Indian	Abutilon	fruticosum	Mallow	To 2'	Open rocky, dry areas		S	F		Common Streaky Skipper	Skippers
H-P	L	Mallow, Indian	Abutilon	fruticosum	Mallow	To 2'	Open rocky, dry areas		S	F		Laviana Skipper	Skippers
H-P	L	Mallow, Indian	Abutilon	fruticosum	Mallow	To 2'	Open rocky, dry areas		S	F		TX Powdered Skipper	Skippers
T	L	Mallow, Indian	Abutilon	incanum	Mallow	3 to 6'	Open rocky, dry areas	Sp	S	F		TX Powdered Skipper	Skippers
T	L	Mallow, Indian	Abutilon	incanum	Mallow	3 to 6'	Open rocky, dry areas	Sp	S	F		Common Streaky Skipper	Skippers
T	L	Acacia, Fern	Acacia	angustissima	Bean	To 3'	Various soils, upright to spreading, colonizes		S			Blue, Antillean	Blues
T	L	Acacia, Fern	Acacia	angustissima	Bean	To 3'	Various soils, upright to spreading, colonizes		S			Blue, Marine	Blues
T	L	Acacia, Fern	Acacia	angustissima	Bean	To 3'	Various soils, upright to spreading, colonizes		S			Common Sulphur	Sulphurs
T	L	Acacia, Fern	Acacia	angustissima	Bean	To 3'	Various soils, upright to spreading, colonizes		S			Little Yellow	Sulphurs
T	L	Acacia, Fern	Acacia	angustissima	Bean	To 3'	Various soils, upright to spreading, colonizes		S			Reakirt's Blue	Blues
T	L	Acacia, Fern	Acacia	angustissima	Bean	To 3'	Various soils, upright to spreading, colonizes		S			Ceraunus Blue	Blues
T	L	Acacia, Fern	Acacia	angustissima	Bean	To 3'	Various soils, upright to spreading, colonizes		S			Outis Skipper	Skippers
T	L	Acacia, Catclaw	Acacia	roemeriana	Bean	To 6'	Sun, rocky hillsides, prairies	Sp				Reakirt's Blue	Blues
T	L	Acacia, Catclaw	Acacia	roemeriana	Bean	To 6'	Sun, rocky hillsides, prairies	Sp				Mexican Yellow	Sulphurs
T	L	Box Elder	Acer	negundo	Maple	To 70'	Understory, near streams	Sp				Banded Hairstreak	Hairstreak
T	L	Box Elder	Acer	negundo	Maple	To 70'	Understory, near streams	Sp				Mourning Cloak	Brushfoots
H-P	L	Yarrow, White, Milfoil	Achillea	millefolium	Aster	To 3'	Grassy areas, Deer leave alone	Sp				Painted Lady	Brushfoots
H-P	L	Yarrow, White, Milfoil	Achillea	millefolium	Aster	To 3'	Grassy areas, Deer leave alone	Sp				Southern Cloudwing	Spreading Skippers
H-A	L	Agalinis	Agalinis	sp.	Figwort					F		Common Buckeye	Brushfoots
H-A	L	Amaranth, Slim	Amaranthus	hybridus	Amaranth				S	F		Common Sootywing	Spreading Skippers
H-A	L	Amaranth, Redroot	Amaranthus	retroflexus	Amaranth				S	F		Common Sootywing	Spreading Skippers
H-A	L	Short Ragweed	Ambrosia	artemisiifolia	Aster	1 to 3'	Prairies, roadsides sun to part shade		S	F		Bordered Patch	Brushfoots
H-A	L	Giant Ragweed	Ambrosia	trifida	Aster	3 to 6'	Fields and roadsides		S	F		Bordered Patch	Brushfoots
T	L	False Indigo	Amorpha	fruticosa	Bean	2-15'	Along streambeds, Full sun, needs extra moisture, Plant away from Perennials, aggressive surface feeder.	Sp				Blue, Marine	Blues
T	L	False Indigo	Amorpha	fruticosa	Bean	2-15'	Along streambeds, Full sun, needs extra moisture, Plant away from Perennials, aggressive surface feeder.	Sp				Gray Hairstreak	Hairstreak
T	L	False Indigo	Amorpha	fruticosa	Bean	2-15'	Along streambeds, Full sun, needs extra moisture, Plant away from Perennials, aggressive surface feeder.	Sp				Silver-spotted Skipper	Skippers
T	L	False Indigo	Amorpha	fruticosa	Bean	2-15'	Along streambeds, Full sun, needs extra moisture, Plant away from Perennials, aggressive surface feeder.	Sp				Hoary Edge	Spreading Skippers
T	L	False Indigo	Amorpha	fruticosa	Bean	2-15'	Along streambeds, Full sun, needs extra moisture, Plant away from Perennials, aggressive surface feeder.	Sp				Southern Dogface	Sulphurs
G	L	Bluestem, Big	Andropogon	gerardii	Grass	To 6'+	Full sun					Large Wood Nymph	Satyr
T	L	Flame Acanthus	Anisacanthus	Wrightii	Acanthus	2-4"	Drought tol., full to dappled sun, bushy		S	F		Crimson Patch	Brushfoots
T	L	Flame Acanthus	Anisacanthus	Wrightii	Acanthus	2-4"	Drought tol., full to dappled sun, bushy		S	F		Texan Crescent	Brushfoots
H-P	L	Dutchman's Pipe Cory's	Aristolochia	Coryii	Birthwort	Low	Sun to part shade	Sp	S			Pipeline Swallowtail	Swallowtail
H-P	L	Dutchman's Pipe Swan Flower	Aristolochia	erecta (formerly A. long)	Birthwort	Low	Sun to part shade	Sp	S	F		Pipeline Swallowtail	Swallowtail
H-P	L	Dutchman's Pipe Virginia	Aristolochia	serpentaria	Birthwort	Low	Open areas	Sp				Pipeline Swallowtail	Swallowtail
H-P	L	White Sage	Artemisia	ludoviciana	Aster	1 to 3'	Dry soils in sully sun		S	F		Painted Lady	Brushfoots
H-P	L	White Sage	Artemisia	ludoviciana	Aster	1 to 3'	Dry soils in sully sun		S	F		American Lady	Brushfoots

# BUTTERFLY LARVAL AND NECTAR PLANTS

## Type

G	Grass/Sedge	L	Larval	Sp	Spring
H-A	Herb - Annual	N	Nectar	S	Summer
H-P	Herb - Perennial			F	Fall
T	Tree/Shrub			W	Winter
V	Vine				
O	Other				

## Reference Sources:

*Wildflowers of the Texas Hill Country*, Marshall Enquist  
*Wildflowers of Texas*, Geyata Ajilvsgi  
*Butterfly Gardening for the South*, Geyata Ajilvsgi  
*Butterflies of Houston & Southeast Texas*, John and Gloria Tveten  
*Trees, Shrubs, and Vines of the Texas Hill Country*, Jan Wrede

## Web Links

<http://www.wildflower.org/>  
<http://www.texasento.net/plnts.htm>

Type	L-N	Plant Common Name	Botanical Name		Plant Family	Size	Habitat / Comments	Bloom Period				Butterfly Name	Butterfly Family
								Spring	S	F	W		
H-P	L	Milkweed	Asclepias	all	Milkweed		Open areas, Use all you can get!	Sp	S	F		Queen	Milkweed
H-P	L	Milkweed	Asclepias	all	Milkweed		Open areas, Use all you can get!	Sp	S	F		Soldier	Milkweed
H-P	L	Milkweed	Asclepias	all	Milkweed		Open areas, Use all you can get!	Sp	S	F		Monarch	Milkweed
H-P	L	Antelope Horns	Asclepias	asperula	Milkweed	8-24"	Open grassy areas, milkweed	Sp				Monarch	Milkweed
H-P	L	Antelope Horns	Asclepias	asperula	Milkweed	8-24"	Open grassy areas, milkweed	Sp				Queen	Milkweed
H-P	L	Swamp Milkweed	Asclepias	incarnata	Milkweed	1 1/2-5'	Wet soils near streams			F		Monarch	Milkweed
H-P	L	Swamp Milkweed	Asclepias	incarnata	Milkweed	1 1/2-5'	Wet soils near streams			F		Queen	Milkweed
H-P	L	Hierba de Zizotes	Asclepias	oenotheroides	Milkweed	8-16"	Dry soils or caliche	Sp	S	F		Monarch	Milkweed
H-P	L	Hierba de Zizotes	Asclepias	oenotheroides	Milkweed	8-16"	Dry soils or caliche	Sp	S	F		Queen	Milkweed
H-P	L	Purple Milkweed	Asclepias	purpurascens	Milkweed	2 to 3'	Part shade, woodland edges	Sp	S			Monarch	Milkweed
H-P	L	White Texas Milkweed	Asclepias	texana	Milkweed	6-18"	Caliche outcrops, hillsides, dry fields		S			Monarch	Milkweed
H-P	L	White Texas Milkweed	Asclepias	texana	Milkweed	6-18"	Caliche outcrops, hillsides, dry fields		S			Queen	Milkweed
H-P	L	Butterfly Weed	Asclepias	tuberosa	Milkweed	To 20"	Full sun	Sp	S	F		Monarch	Milkweed
H-P	L	Butterfly Weed	Asclepias	tuberosa	Milkweed	To 20"	Full sun	Sp	S	F		Queen	Milkweed
H-P	L	Green Milkweed	Asclepias	viridis	Milkweed	1 to 3'	Full sun in prairies, roadsides	Sp	S			Monarch	Milkweed
H-P	L	Aster, Heath, White	Aster	ericoides	Aster	4-30"	Open areas, spreads by rhizomes, much branched			F		Pearl Crescent	Brushfoots
H-P	L	Tall Aster	Aster	praealtus	Aster	1-4'	Moist soils			F		Pearl Crescent	Brushfoots
H-P	L	Tall Aster	Aster	praealtus	Aster	1-4'	Moist soils			F		Dainty Sulphur	Brushfoots
H-P	L	Texas Aster	Aster	texanus	Aster	1-3'	Calcareous clays			F		Pearl Crescent	Brushfoots
H-P	L	Ground Plum	Astragalus	crassicarpus	Bean	Low	Meanders thru grass, dry caliche	Sp				Gray Hairstreak	Hairstreak
H-P	L	Ground Plum	Astragalus	crassicarpus	Bean	Low	Meanders thru grass, dry caliche	Sp				Common Sulphur	Sulphurs
H-P	L	Low Milkvetch	Astragalus	lotiflorus	Bean	6-10"	Barren, caliche soils	Sp				Gray Hairstreak	Hairstreak
H-P	L	Low Milkvetch	Astragalus	lotiflorus	Bean	6-10"	Barren, caliche soils	Sp				Marine Blue	Blues
H-P	L	Low Milkvetch	Astragalus	lotiflorus	Bean	6-10"	Barren, caliche soils	Sp				Ceraunus Blue	Blues
H-P	L	Low Milkvetch	Astragalus	lotiflorus	Bean	6-10"	Barren, caliche soils	Sp				Orange Sulphur	Sulphurs
H-P	L	Locoweed, Woolly	Astragalus	mollissimus	Bean	To 12"	Sun, dry gravelly or sandy soils, low upright or spreading	Sp				Gray Hairstreak	Hairstreak
H-P	L	Milkvetch, Nuttall	Astragalus	nuttalliana	Bean	To 1'	Sprawling, grassy areas	Sp				Northern Cloudywing	Spreading Skippers
T	L	Seep Willow	Baccharis	salicifolia	Aster	3 to 10'	Valleys, waterways in sun to part shade	Sp	S	F		Elada Checkerspot	Brushfoots
T	L	Seep Willow	Baccharis	salicifolia	Aster	3 to 10'	Valleys, waterways in sun to part shade	Sp	S	F		Fatal Metalmark	Brushfoots
H-P	L	Wild Blue Indigo	Baptisia	australis	Bean	3 to 6'	Woodland edge, prairies	Sp	S			Orange Sulphur	Sulphurs
H-P	L	Indigo, Green Wild	Baptisia	sphaerocarpa	Bean	To 40"	Sun, loamy, sandy, silt soils, erect, branching in upper region	Sp	S			Funereal Duskywing	Spreading Skippers
H-A	L	Tickseed Sunflower	Bidens	aristosa	Aster	3 to 6'	Wet meadows, ditches in part shade		S			Dainty Sulphur	Brushfoots
H-A	L	Bishop's-Weed, Prairie	Bifora	americana	Parsley	To 2'	Sun	Sp	S			Black Swallowtail	Swallowtail
H-P	L	Spiderling, Scarlet	Boerhaavia	diffusa (coccinea)	Four O'Clock	To 4"	Long Trailing, disturbed grassy areas	Sp	S	F		Variegated Fritillary	Brushfoots
G	L	Grama, Sideoats	Bouteloua	curtipendula	Grass	18-42"	Full sun					Green Skipper	Skippers
G	L	Grama, Blue	Bouteloua	gracilis	Grass	6-36"	Full sun					Green Skipper	Skippers
G	L	Grass, Buffalo	Buchloe	dactyloides	Grass	3-12"	Full sun					Green Skipper	Skippers
H-P	L	Bluehearts	Buchnera	americana (floridana)	Figwort	6-24"	Moist areas	Sp	S	F		Common Buckeye	Brushfoots
H-P	L	Winecup	Callirhoe	involucrata	Mallow	6-12"	Open, grassy areas	Sp	S			Gray Hairstreak	Hairstreak
O	L	Sedges	Carex	sp.	Sedge							Dun Skipper	Grass Skippers
T	L	Pecan	Carya	illinoensis	Walnut	100'+	Rich soils, near streams					Gray Hairstreak	Hairstreak
T	L	Pecan	Carya	illinoensis	Walnut	100'+	Rich soils, near streams					Hairstreaks	Hairstreak
H-A	L	Paintbrush, Texas	Castilleja	indivisa	Snapdragon	6-18"	Calcareous soils	Sp				Common Buckeye	Brushfoots
H-P	L	Paintbrush, Prairie	Castilleja	purpurea	Figwort	To 12"	Open areas	Sp				Fulvia checkerspot	Brushfoots
H-P	L	Paintbrush, Prairie	Castilleja	purpurea	Figwort	To 12"	Open areas	Sp				Common Buckeye	Brushfoots
T	L	Catalpa	Catalpa	sp.	Catalpa							Tiger Swallowtail	Swallowtail
T	L	Redroot	Ceanothus	herbaceous	Buckthorn	1 to 3'	Open prairies, bluffs	Sp				Spring Azure	Azures
T	L	Hackberry, Net Leaf	Celtis	laevigata var. reticulata	Elm	20-50'	Bottomland, dry fencerows	Sp				Mourning Cloak	Brushfoots

# BUTTERFLY LARVAL AND NECTAR PLANTS

## Type

G	Grass/Sedge	L - Larval	Sp - Spring
H-A	Herb - Annual	N - Nectar	S - Summer
H-P	Herb - Perennial		F - Fall
T	Tree/Shrub		W - Winter
V	Vine		
O	Other		

## Reference Sources:

*Wildflowers of the Texas Hill Country*, Marshall Enquist  
*Wildflowers of Texas*, Geyata Ajilvsgi  
*Butterfly Gardening for the South*, Geyata Ajilvsgi  
*Butterflies of Houston & Southeast Texas*, John and Gloria Tveten  
*Trees, Shrubs, and Vines of the Texas Hill Country*, Jan Wrede

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Type	L-N	Plant Common Name	Botanical Name		Plant Family	Size	Habitat / Comments	Bloom Period				Butterfly Name	Butterfly Family
								Spring	S	F	W		
T	L	Hackberry	Celtis	sp.	Elm	20-50'	Bottomland, dry fencerows	Sp				American Snout	Brushfoots
T	L	Hackberry	Celtis	sp.	Elm	20-50'	Bottomland, dry fencerows	Sp				Hackberry Emperor	Brushfoots
T	L	Hackberry	Celtis	sp.	Elm	20-50'	Bottomland, dry fencerows	Sp				Question Mark	Brushfoots
T	L	Hackberry	Celtis	sp.	Elm	20-50'	Bottomland, dry fencerows	Sp				Tawny Emperor	Brushfoots
H-A	L	Basket Flower	Centaurea	americana	Aster	2 to 5'	Colonies in dry soils	Sp	S			Painted Lady	Brushfoots
T	L	Redbud	Cercis	canadensis	Bean	To 20"	Dry, rocky soil	Sp				Henry's Elfin	Hairstreak
H-A	L	Pea, Partridge	Chamaecrista	fasciculata	Bean	To 3'	Erect sandy or alluvial soil	Sp	S	F		Cloudless Sulphur	Sulphurs
H-A	L	Pea, Partridge	Chamaecrista	fasciculata	Bean	To 3'	Erect sandy or alluvial soil	Sp	S	F		Little Yellow	Sulphurs
H-A	L	Pea, Partridge	Chamaecrista	fasciculata	Bean	To 3'	Erect sandy or alluvial soil	Sp	S	F		Clouded Sulphur	Sulphurs
H-A	L	Pea, Partridge	Chamaecrista	fasciculata	Bean	To 3'	Erect sandy or alluvial soil	Sp	S	F		Sleepy Orange	Sulphurs
G	L	Sea Oats, Inland	Chasmanthium	latifolium	Grass	3'+	Some shade					Bronze Roadside Skipper	Skippers
G	L	Sea Oats, Inland	Chasmanthium	latifolium	Grass	3'+	Some shade					Roadside Skipper	Skippers
H-P	L	Yellowspine Thistle	Cirsium	ochrocentrum	Aster	To 3'		Sp	S			Painted Lady	Brushfoots
H-P	L	Yellowspine Thistle	Cirsium	ochrocentrum	Aster	To 3'		Sp	S			American Lady	Brushfoots
H-P	L	Thistle, TX	Cirsium	texanum	Aster	To 4 1/2'	Dry open areas	Sp	S			American Lady	Brushfoots
H-P	L	Thistle, TX	Cirsium	texanum	Aster	To 4 1/2'	Dry open areas	Sp	S			Painted Lady	Brushfoots
V	L	TX Virgins Bower	Clematis	drummondii	Buttercup		Open areas, dry, full sun	Sp	S	F		Fatal Metalmark	Metalmark
H-P	L	Gregg's Mistflower	Conoclinium	greggii	Aster	To 3'	Sun to part shade	Sp	S	F		Rawson's Metalmark	Metalmark
H-A	L	Horseweed	Conyza	canadensis	Aster		Bare soils, full sun		S	F		Silvery Checkerspot	Brushfoots
T	L	Roughleaf Dogwood	Cornus	drummondii	Dogwood	To 15'	Bottomlands, stream banks	Sp				Spring Azure	Azures
T	L	Hawthorn	Crataegus	sp.	Rose			Sp				Viceroy	Brushfoots
T	L	Hawthorn	Crataegus	sp.	Rose			Sp				Red-spotted Purple	Brushfoots
T	L	Hawthorn	Crataegus	sp.	Rose			Sp				Banded Hairstreak	Hairstreak
T	L	Hawthorn	Crataegus	sp.	Rose			Sp				Gray Hairstreak	Hairstreak
T	L	Hawthorn	Crataegus	sp.	Rose			Sp				Tiger Swallowtail	Swallowtail
H-A	L	Goatweed	Croton	sp.				Sp		F		Goatweed Leafwing	Brushfoots
H-A	L	Goatweed	Croton	sp.				Sp		F		Gray Hairstreak	Hairstreak
H-A	L	Pigweed	Cycloloma	atriplicifolium	Goosefoot	3 to 6'	Full sun, sandy soil			F		Western Pygmy Blue	Blues
H-A	L	Pigweed	Cycloloma	atriplicifolium	Goosefoot	3 to 6'	Full sun, sandy soil			F		Painted Lady	Brushfoots
H-A	L	Pigweed	Cycloloma	atriplicifolium	Goosefoot	3 to 6'	Full sun, sandy soil			F		Skippers	Skippers
V	L	Bearded Swallow-wort	Cynanchum	barbigerum		To 6'	Small, twining on low plants	Sp	S			Variegated Fritillary	Brushfoots
T	L	Black Dalea	Dalea	frutescens	Bean	1-3'	Dry, rocky areas, full sun, rounded shrub				F	Southern Dogface	Sulphurs
H-P	L	Purple Prairie Clover	Dalea	purpurea	Bean	To 3'	Sandy soils, slopes, prairies, upright	Sp	S			Southern Dogface	Sulphurs
G	L	Fluffgrass	Dasyochloa	pulchella	Grass							Green Skipper	Skippers
H-A	L	Daucosma	Daucosma	laciniatum	Parsley	To 4'	Full sun, dry areas		S			Black Swallowtail	Swallowtail
H-A	L	Rattlesnake-weed	Daucus	pusillus	Parsley	To 3'	Erect, annual full sun	Sp	S			Black Swallowtail	Swallowtail
H-A	L	Rattlesnake-weed	Daucus	pusillus	Parsley	To 3'	Erect, annual full sun	Sp	S			Cabbage White	Whites
H-A	L	Rattlesnake-weed	Daucus	pusillus	Parsley	To 3'	Erect, annual full sun	Sp	S			Great Southern White	Whites
H-A	L	Mustard, Tansy	Descurainia	pinnata	Mustard	To 2 1/2'	Sandy or calcareous soils, sun	Sp				Delaware Skipper	Skippers
H-A	L	Mustard, Tansy	Descurainia	pinnata	Mustard	To 2 1/2'	Sandy or calcareous soils, sun	Sp				Cabbage White	Whites
H-A	L	Mustard, Tansy	Descurainia	pinnata	Mustard	To 2 1/2'	Sandy or calcareous soils, sun	Sp				Checkered White	Whites
H-P	L	False Mint	Dicliptera	brachiata	Acanthus	1-4'	Shady, moist areas		S	F		Texan Crescent	Brushfoots
T	L	Texas Persimmon	Diospyros	texana	Persimmon	To 30'	Hillsides, dry open woods	Sp				Gray Hairstreak	Hairstreak
T	L	Texas Persimmon	Diospyros	texana	Persimmon	To 30'	Hillsides, dry open woods	Sp				Henry's Elfin	Hairstreak
H-P	L	Snake Herb	Dyschoriste	linearis	Acanthus	4-18"	Dry caliche soil	Sp	S			Common Buckeye	Brushfoots
H-P	L	Snake Herb	Dyschoriste	linearis	Acanthus	4-18"	Dry caliche soil	Sp	S			Texan Crescent	Brushfoots
H-P	L	Dogweed	Dysodiopsis	tagetoides	Aster	1 to 3'		Sp	S			Dainty Sulphur	Brushfoots
G	L	Fluffgrass, Downy	Erioneuron	pilosum	Grass	To 1'	Well-drained limestone and caliche soil					Green Skipper	Skippers
T	L	Thoroughwort	Eupatorium	havanense	Aster	To 15'	Deer like it, worth planting and caging				F	Bordered Patch	Brushfoots
T	L	Thoroughwort	Eupatorium	havanense	Aster	To 15'	Full to drappled sun Deer like it, worth planting and caging				F	Rawson's Metalmark	Metalmark
H-P	L	Boneset, Late-flowering, White	Eupatorium	serotinum	Aster	To 4'	Moist areas, forms colonies		S	F		Rounded Metalmark	Metalmark
H-A	L	Rabbit Tobacco	Evax	prolifera	Aster	To 12"	Sun to part shade	Sp				American Lady	Brushfoots
T	L	Kidneywood	Eysenhardtia	texana	Bean	3-10'	Calcareous soil, full to dappled sun		S	F		Southern Dogface	Sulphurs
V	L	Wavy-Leaf Milkweed Vine	Funastrum	crispum	Milkweed	To 6' long	Granite or limestone soils	Sp	S			Monarch	Milkweed
V	L	Wavy-Leaf Milkweed Vine	Funastrum	crispum	Milkweed	To 6' long	Granite or limestone soils	Sp	S			Queen	Milkweed

# BUTTERFLY LARVAL AND NECTAR PLANTS

## Type

G Grass/Sedge	L - Larval	Sp - Spring
H-A Herb - Annual	N - Nectar	S - Summer
H-P Herb - Perennial		F - Fall
T Tree/Shrub		W - Winter
V Vine		
O Other		

## Reference Sources:

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*Butterfly Gardening for the South*, Geyata Ajilvsgi  
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Type	L-N	Plant Common Name	Botanical Name		Plant Family	Size	Habitat / Comments	Bloom Period				Butterfly Name	Butterfly Family
								Spring	S	F	W		
V	L	Wavy-Leaf Milkweed Vine	Funastrum	crispum	Milkweed	To 6' long	Granite or limestone soils	Sp	S			Soldier	Milkweed
V	L	Climbing Milkweed Vine	Funastrum	cynanchoides	Milkweed		Dry soil, part shade	Sp	S			Soldier	Milkweed
H-A	L	Indian Blanket	Gaillardia	pulchella	Aster	1 to 2'	Fields, roadsides in full sun	Sp	S			Bordered Patch	Brushfoots
H-A	L	Cudweed	Gnaphalium	sp.								American Lady	Brushfoots
H-A	L	Yellow Bitterweed	Helenium	amarum	Aster	1 to 3'	Dry limestone soils in part shade	Sp	S	F		Dainty Sulphur	Sulphurs
H-A	L	Sneezeweed, Fall	Helenium	autumnale	Aster	To 4'	Moist areas			F		Dainty Sulphur	Sulphurs
H-A	L	Sunflower, Common	Helianthus	annuus	Aster	To 8'	Dry soils, full sun	Sp	S	F		Bordered Patch	Brushfoots
H-A	L	Sunflower, Common	Helianthus	annuus	Aster	To 8'	Dry soils, full sun	Sp	S	F		Gorgone Checkerspot	Brushfoots
H-A	L	Sunflower, Common	Helianthus	annuus	Aster	To 8'	Dry soils, full sun	Sp	S	F		Painted Lady	Brushfoots
H-A	L	Sunflower, Common	Helianthus	annuus	Aster	To 8'	Dry soils, full sun	Sp	S	F		American Lady	Brushfoots
H-A	L	Sunflower, Common	Helianthus	annuus	Aster	To 8'	Dry soils, full sun	Sp	S	F		Silvery Checkerspot	Brushfoots
H-P	L	Sunflower, Maximilian	Helianthus	maximiliani	Aster	To 6'	Dry prairies, moist ditches			F		Bordered Patch	Brushfoots
H-P	L	Jerusalem Artichoke	Helianthus	tuberosus	Aster	3 to 6'	Moist to dry soil, woodland edge		S	F		Bordered Patch	Brushfoots
H-P	L	Jerusalem Artichoke	Helianthus	tuberosus	Aster	3 to 6'	Moist to dry soil, woodland edge		S	F		Silvery Checkerspot	Brushfoots
H-A	L	Campbor Weed	Heterotheca	latifolia	Aster	1 to 5'	Prairies, roadsides, sandy soil		S	F		Bordered Patch	Brushfoots
H-P	L	Green Violet	Hybanthus	verticillatus	Violet	To 12"	Part shade, moist soils, grassy fields, woodland edges	Sp	S			Variegated Fritillary	Brushfoots
T	L	Yaupon	Ilex	sp.	Holly			Sp				Dusky-blue Groundstreak	Hairstreak
T	L	Yaupon	Ilex	vomitioria	Holly	To 20'	Near streams, canyons	Sp				Henry's Elfin	Hairstreak
H-P	L	Pea, Scarlet	Indigofera	minuata	Bean	To 8"	Open areas, stems radiate out	Sp	S	F		Reakirt's Blue	Blues
H-P	L	Pea, Scarlet	Indigofera	minuata	Bean	To 8"	Open areas, stems radiate out	Sp	S	F		Gray Hairstreak	Hairstreak
H-P	L	Pea, Scarlet	Indigofera	minuata	Bean	To 8"	Open areas, stems radiate out	Sp	S	F		Cassius Blue	Blues
H-P	L	Pea, Scarlet	Indigofera	minuata	Bean	To 8"	Open areas, stems radiate out	Sp	S	F		Southern Dogface	Sulphurs
V	L	Purple Bindweed	Ipomoea	trichocarpa	Morning Glory	To 15'	Various soils, part shade	SP	S	F		Variegated Fritillary	Brushfoots
T	L	Walnut	Juglans	sp.	Walnut			Sp				Banded Hairstreak	Hairstreak
T	L	Walnut	Juglans	sp.	Walnut			Sp				Hairstreaks	Hairstreak
T	L	Ashe Juniper	Juniperus	ashei	Cypress	20-30'	Dry hillsides, rocky ground				W	Juniper Hairstreak	Hairstreak
T	L	Red Cedar	Juniperus	virginiana	Cypress	30-40'	Dry hillsides, rocky ground	Sp				Juniper Hairstreak	Hairstreak
T	L	Texas Lantana	Lantana	horrida	Verbena	To 6'	Sun, various soils	Sp	S	F		Painted Lady	Brushfoots
T	L	Texas Lantana	Lantana	horrida	Verbena	To 6'	Sun, various soils	Sp	S	F		Lantana Hairstreak	Hairstreak
H-A	L	Peppergrass	Lepidium	sp.	Mustard			Sp				Cabbage White	Whites
H-A	L	Peppergrass	Lepidium	sp.	Mustard			Sp				Falcate Orangetip	Whites
H-A	L	Peppergrass, Virginia	Lepidium	virginicum	Mustard	To 2'	Bushy, disturbed areas, full sun	Sp				Checkered White	Whites
H-A	L	Peppergrass, Virginia	Lepidium	virginicum	Mustard	To 2'	Bushy, disturbed areas, full sun	Sp				Great Southern White	Whites
T	L	Cenizo	Leucophyllum	frutescens	Snagdragon	To 8'	Rocky limestone hills, Full sun	Sp	S	F		Theona Checkerspot	Brushfoots
H-A	L	Toadflax	Linaria	texana	Figwort	To 2'	Sandy, limestone	Sp				Common Buckeye	Brushfoots
H-A	L	Toadflax	Linaria	texana	Figwort	To 2'	Sandy, limestone	Sp				Green Skipper	Skippers
T	L	Spicebush	Lindera	benzoin	Laurel	10-15'	Part shade, moist bottomland	Sp				Spicebush Swallowtail	Swallowtail
T	L	Spicebush	Lindera	benzoin	Laurel	10-15'	Part shade, moist bottomland	Sp				Tiger Swallowtail	Swallowtail
H-A	L	False Pimpernel	Lindernia	dubia	Figwort				S	F		White Peacock	Brushfoots
H-P	L	Blue Flax	Linum	lewisii	Flax	18-20"	Dry soil, sun, prairies and meadows	Sp	S	F		Variegated Fritillary	Brushfoots
H-P	L	Flax, Meadow	Linum	pratense	Flax	To 15"	Open grassy, calcareous soils	Sp	S			Variegated Fritillary	Brushfoots
H-A	L	Flax, Yellow	Linum	rigidum v. berlandieri	Flax	6-12"	Full sun	Sp	S			Variegated Fritillary	Brushfoots
H-P	L	Rock Flax	Linum	rupestre	Flax	1-2"	Dry, rocky soil	Sp	S			Variegated Fritillary	Brushfoots
H-P	L	Flax	Linum	sp.	Flax			Sp	S	F		Variegated Fritillary	Brushfoots
T	L	Bushy Lippia	Lippia	alba	Verbena	6 to 12'	Part shade, moist soils	Sp	S	F		White Peacock	Brushfoots
H-A	L	Texas Bluebonnet	Lupinus	texensis	Bean	8-16"	Limestone, gravelly, clay or calcareous soil, well-drained, full sun, white becomes magenta when pollinated	Sp				Gray Hairstreak	Hairstreak
H-A	L	Texas Bluebonnet	Lupinus	texensis	Bean	8-16"	Limestone, gravelly, clay or calcareous soil, well-drained, full sun, white becomes magenta when pollinated	Sp				Henry's Elfin	Hairstreak
H-A	L	Texas Bluebonnet	Lupinus	texensis	Bean	8-16"	Limestone, gravelly, clay or calcareous soil, well-drained, full sun, white becomes magenta when pollinated	Sp				Little Yellow	Sulphurs

# BUTTERFLY LARVAL AND NECTAR PLANTS

## Type

G	Grass/Sedge	L	Larval	Sp	Spring
H-A	Herb - Annual	N	Nectar	S	Summer
H-P	Herb - Perennial			F	Fall
T	Tree/Shrub			W	Winter
V	Vine				
O	Other				

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Type	L-N	Plant Common Name	Botanical Name		Plant Family	Size	Habitat / Comments	Bloom Period				Butterfly Name	Butterfly Family
								Spring	S	F	W		
H-A	L	Texas Bluebonnet	Lupinus	texensis	Bean	8-16"	Limestone, gravelly, clay or calcareous soil, well-drained, full sun, white becomes magenta when pollinated	Sp				Northern Cloudywing	Spreading Skippers
H-A	L	Texas Bluebonnet	Lupinus	texensis	Bean	8-16"	Limestone, gravelly, clay or calcareous soil, well-drained, full sun, white becomes magenta when pollinated	Sp				Painted Lady	Brushfoots
H-A	L	Texas Bluebonnet	Lupinus	texensis	Bean	8-16"	Limestone, gravelly, clay or calcareous soil, well-drained, full sun, white becomes magenta when pollinated	Sp				American Lady	Brushfoots
H-A	L	Texas Bluebonnet	Lupinus	texensis	Bean	8-16"	Limestone, gravelly, clay or calcareous soil, well-drained, full sun, white becomes magenta when pollinated	Sp				Orange Sulphur	Sulphurs
H-P	L	Turk's Cap	Malvastrum	drummondii	Mallow	2-4'	Shade		S	F		Gray Hairstreak	Hairstreak
H-P	L	Turk's Cap	Malvastrum	drummondii	Mallow	2-4'	Shade		S	F		Painted Lady	Hairstreak
V	L	Plateau Milkvine	Matelea	edwardsensis	Milkweed		Open woodlands, fencerows	Sp				Monarch	Milkweed
V	L	Plateau Milkvine	Matelea	edwardsensis	Milkweed		Open woodlands, fencerows	Sp				Queen	Milkweed
V	L	Green Milkweed Vine	Matelea	reticulata	Milkweed	To 12'	Shade, drought tolerant, high climbing	Sp	S			Monarch	Milkweed
V	L	Green Milkweed Vine	Matelea	reticulata	Milkweed	To 12'	Shade, drought tolerant, high climbing	Sp	S			Queen	Milkweed
V	L	Snapdragon Vine	Maurandaya	antirrhiniflora	Figwort		Rocky, calcareous soils, full sun Very twiny, small blooms	Sp	S	F		Common Buckeye	Brushfoots
V	L	Snapdragon Vine	Maurandaya	antirrhiniflora	Figwort		Rocky, calcareous soils, full sun Very twiny, small blooms	Sp	S	F		Southern Cloudywing	Spreading Skippers
H-A	L	Bur-clover, Low-Hop Clover	Medicago	lupulina	Bean	To 24"	Dry, limestone soils	Sp				Fairy Yellow	Sulphurs
H-A	L	Bur-clover, Low-Hop Clover	Medicago	lupulina	Bean	To 24"	Dry, limestone soils	Sp				Little Yellow	Sulphurs
H-A	L	Bur-clover, Low-Hop Clover	Medicago	lupulina	Bean	To 24"	Dry, limestone soils	Sp				Orange Sulphur	Sulphurs
H-P	L	Sensitive Briar	Mimosa	roemeriana	Bean	To 1'	Rocky, chalky soils	Sp	S			Little Yellow	Sulphurs
H-P	L	Sensitive Briar	Mimosa	roemeriana	Bean	To 1'	Rocky, chalky soils	Sp	S			Mimosa Yellow	Sulphurs
T	L	Red Mulberry	Morus	rubra	Mulberry	To 40'	Bottomlands, moist wooded areas	Sp				Mourning Cloak	Brushfoots
H-A	L	Palafoxia	Palafoxia	callosa	Aster	1 to 3'	All soil types, full sun		S	F		Bordered Patch	Brushfoots
H-A	L	Palafoxia	Palafoxia	callosa	Aster	1 to 3'	All soil types, full sun		S	F		Dainty Sulphur	Sulphurs
G	L	Switchgrass	Panicum	virgatum	Grass	To 6'	Moist soils, near streams					Delaware Skipper	Skippers
G	L	Paspalum Grasses	Paspalum	sp.	Grass							Celia's Roadside Skipper	Grass Skippers
G	L	Paspalum Grasses	Paspalum	sp.	Grass							Southern Broken-Dash	Grass Skippers
G	L	Paspalum Grasses	Paspalum	sp.	Grass							Whirlabout	Grass Skippers
V	L	Bracted Passion Flower	Passiflora	affinis	Passionflower			Sp	S			Gulf Fritillary	Brushfoots
V	L	Bracted Passion Flower	Passiflora	affinis	Passionflower			Sp	S			Zebra Heliconian	Longwings
V	L	Corona de Cristo	Passiflora	foetida	Passionflower	3-6'	Dry soils, sun to part shade	Sp	S	F		Gulf Fritillary	Brushfoots
V	L	Corona de Cristo	Passiflora	foetida	Passionflower	3-6'	Dry soils, sun to part shade	Sp	S	F		Variegated Fritillary	Brushfoots
V	L	Maypop	Passiflora	incarnata	Passionflower	To 25'	Dry to moist soils, sun to part shade	Sp	S	F		Variegated Fritillary	Brushfoots
V	L	Maypop	Passiflora	incarnata	Passionflower	To 25'	Dry to moist soils, sun to part shade	Sp	S	F		Gulf Fritillary	Brushfoots
V	L	Maypop	Passiflora	incarnata	Passionflower	To 25'	Dry to moist soils, sun to part shade	Sp	S	F		Zebra Heliconian	Longwings
V	L	Maypop	Passiflora	incarnata	Passionflower	To 25'	Dry to moist soils, sun to part shade	Sp	S	F		Julia Heliconian	Longwings
V	L	Passionflower	Passiflora	lutea	Passionflower		Full to dappled sun, drought tolerant	Sp	S			Gulf Fritillary	Brushfoots
V	L	Passionflower	Passiflora	lutea	Passionflower		Full to dappled sun, drought tolerant	Sp	S			Zebra Heliconian	Longwings
V	L	Passionflower	Passiflora	lutea	Passionflower		Full to dappled sun, drought tolerant	Sp	S			Julia Heliconian	Longwings
V	L	Spreadlobe Passion Flower	Passiflora	tenuiloba	Passionflower	1-4' long	Dry, caliche soil	Sp	S	F		Gulf Fritillary	Brushfoots
H-P	L	Foxglove	Penstemon	cobaea	Figwort	To 2 1/2'	Open areas, rocky, Full sun	Sp				Dotted Checkerspot	Brushfoots



# BUTTERFLY LARVAL AND NECTAR PLANTS

## Type

G	Grass/Sedge	L - Larval	Sp - Spring
H-A	Herb - Annual	N - Nectar	S - Summer
H-P	Herb - Perennial		F - Fall
T	Tree/Shrub		W - Winter
V	Vine		
O	Other		

## Reference Sources:

*Wildflowers of the Texas Hill Country*, Marshall Enquist  
*Wildflowers of Texas*, Geyata Ajilvsgi  
*Butterfly Gardening for the South*, Geyata Ajilvsgi  
*Butterflies of Houston & Southeast Texas*, John and Gloria Tveten  
*Trees, Shrubs, and Vines of the Texas Hill Country*, Jan Wrede

## Web Links

<http://www.wildflower.org/>  
<http://www.texasento.net/plnts.htm>

Type	L-N	Plant Common Name	Botanical Name		Plant Family	Size	Habitat / Comments	Bloom Period				Butterfly Name	Butterfly Family
								Spring	S	F	W		
H-P	L	Foxglove	Penstemon	cobaea	Figwort	To 2 1/2'	Open areas, rocky, Full sun	Sp				Common Buckeye	Brushfoots
H-A	L	Blue Curfs	Phacelia	congesta	Waterleaf	1 to 3'	All soil types	Sp				Painted Lady	Brushfoots
O	L	Mistletoe	Phorandendron	sp.	Mistletoe					F		Great Purple Hairstreak	Hairstreak
H-P	L	Frog Fruit	Phyla	incisa	Verbena	3-5"	Full sun best blooms, ground hugging	Sp	S	F		Common Buckeye	Brushfoots
H-P	L	Frog Fruit	Phyla	incisa	Verbena	3-5"	Full sun best blooms, ground hugging	Sp	S	F		Phaon Crescent	Brushfoots
H-P	L	Frog Fruit	Phyla	incisa	Verbena	3-5"	Full sun best blooms, ground hugging	Sp	S	F		White Peacock	Brushfoots
G	L	Texas Bluegrass	Poa	arachnifera	Grass	1-2'	Prairies, edges of woods					Fiery Skipper	Grass Skippers
G	L	Texas Bluegrass	Poa	arachnifera	Grass	1-2'	Prairies, edges of woods					Least Skipper	Grass Skippers
H-A	L	Clammyweed	Polanisia	dodecandra	Caper	1 to 3'	Roadsides, near streams	Sp	S	F		Cabbage White	Whites
H-A	L	Clammyweed	Polanisia	dodecandra	Caper	1 to 3'	Roadsides, near streams	Sp	S	F		Checkered White	Whites
H-A	L	Clammyweed	Polanisia	dodecandra	Caper	1 to 3'	Roadsides, near streams	Sp	S	F		Great Southern White	Whites
H-A	L	Parsley, TX	Poltaenia	texana	Parsley	To 2 1/2'	Open areas	Sp				Black Swallowtail	Swallowtail
T	L	Cottonwood	Populus	deltoides	Willow	To 100'	Near springs, streams	Sp				Mourning Cloak	Brushfoots
T	L	Cottonwood	Populus	deltoides	Willow	To 100'	Near springs, streams	Sp				Red-spotted Purple	Brushfoots
T	L	Cottonwood	Populus	deltoides	Willow	To 100'	Near springs, streams	Sp				Viceroy	Brushfoots
T	L	Cottonwood	Populus	deltoides	Willow	To 100'	Near springs, streams	Sp				Tiger Swallowtail	Swallowtail
H-A	L	Purslane	Portulaca	umbtricolata	Purslane	4-8"	Dry, sandy soil in open areas	Sp	S	F		Variegated Fritillary	Brushfoots
T	L	Mesquite, Honey	Prosopis	glandulosa	Bean	20-30'	Old pastures and fields	Sp				Marine Blue	Blues
T	L	Mesquite, Honey	Prosopis	glandulosa	Bean	20-30'	Old pastures and fields	Sp				Blue, Antillean	Blues
T	L	Mesquite, Honey	Prosopis	glandulosa	Bean	20-30'	Old pastures and fields	Sp				Ceraunus Blue	Blues
T	L	Mesquite, Honey	Prosopis	glandulosa	Bean	20-30'	Old pastures and fields	Sp				Reakirt's Blue	Blues
T	L	Plum, Mexican	Prunus	mexicana	Rose	To 15'	Creek bottoms, fields, hillsides	Sp				Tiger Swallowtail	Swallowtail
T	L	Escarpment Black Cherry	Prunus	serotina	Rose	To 40'	Hillsides, canyons	Sp				Painted Lady	Brushfoots
T	L	Escarpment Black Cherry	Prunus	serotina	Rose	To 40'	Hillsides, canyons	Sp				Red-spotted Purple	Brushfoots
T	L	Escarpment Black Cherry	Prunus	serotina	Rose	To 40'	Hillsides, canyons	Sp				Viceroy	Brushfoots
T	L	Escarpment Black Cherry	Prunus	serotina	Rose	To 40'	Hillsides, canyons	Sp				Banded Hairstreak	Hairstreak
T	L	Escarpment Black Cherry	Prunus	serotina	Rose	To 40'	Hillsides, canyons	Sp				Henry's Elfin	Hairstreak
T	L	Escarpment Black Cherry	Prunus	serotina	Rose	To 40'	Hillsides, canyons	Sp				Tiger Swallowtail	Swallowtail
T	L	Escarpment Black Cherry	Prunus	serotina	Rose	To 40'	Hillsides, canyons	Sp				Two-tailed Tiger Swallowtail	Swallowtail
T	L	Wafer-Ash	Ptelia	trifoliata	Rue	To 25'	Understory, full to dappled sun Dry or moist sites Good wildlife value food & shelter.	Sp				Giant Swallowtail	Swallowtail
T	L	Wafer-Ash	Ptelia	trifoliata	Rue	To 25'	Understory, full to dappled sun Dry or moist sites Good wildlife value food & shelter.	Sp				Tiger Swallowtail	Swallowtail
T	L	Wafer-Ash	Ptelia	trifoliata	Rue	To 25'	Understory, full to dappled sun Dry or moist sites Good wildlife value food & shelter.	Sp				Two-tailed Tiger Swallowtail	Swallowtail
T	L	Oak	Quercus	sp.	Beech	To 50'+	Various	Sp				Banded Hairstreak	Hairstreak
T	L	Oak	Quercus	sp.	Beech	To 50'+	Various	Sp				Edward's Hairstreak	Hairstreak
T	L	Oak	Quercus	sp.	Beech	To 50'+	Various	Sp				Gray Hairstreak	Hairstreak
T	L	Oak	Quercus	sp.	Beech	To 50'+	Various	Sp				Northern Hairstreak	Hairstreak
T	L	Oak	Quercus	sp.	Beech	To 50'+	Various	Sp				Red-banded Hairstreak	Hairstreak
T	L	Oak	Quercus	sp.	Beech	To 50'+	Various	Sp				Southern (Oak) Hairstreak	Hairstreak
T	L	Oak	Quercus	sp.	Beech	To 50'+	Various	Sp				White M. Hairstreak	Hairstreak
T	L	Oak	Quercus	sp.	Beech	To 50'+	Various	Sp				Horace's Duskywing	Spreadwing Skippers
T	L	Oak	Quercus	sp.	Beech	To 50'+	Various	Sp				Juvenal's Duskywing	Spreadwing Skippers
T	L	Oak	Quercus	sp.	Beech	To 50'+	Various	Sp				Sleepy Duskywing	Spreadwing Skippers
T	L	Carolina Buckthorn	Rhamnus	caroliniana	Buckthorn	To 25'	Sun or shade, along streams, fencerows	Sp	S			Painted Lady	Brushfoots
T	L	Carolina Buckthorn	Rhamnus	caroliniana	Buckthorn	To 25'	Sun or shade, along streams, fencerows	Sp	S			Gray Hairstreak	Hairstreak
T	L	Carolina Buckthorn	Rhamnus	caroliniana	Buckthorn	To 25'	Sun or shade, along streams, fencerows	Sp	S			Spring Azure	Azures
T	L	Sumac, Aromatic	Rhus	aromatica	Sumac	To 6 1/2'	Full sun, drought tol	Sp				Red-banded Hairstreak	Hairstreak
T	L	Sumac, Evergreen	Rhus	virens	Sumac	To 12'	Rocky slopes		S			Dusky-blue Groundstreak	Hairstreak
H-P	L	Brown-eyed Susan	Rudbeckia	hirta	Aster	To 2 1/2'	Full sun	Sp	S			Bordered Patch	Brushfoots

# BUTTERFLY LARVAL AND NECTAR PLANTS

## Type

G	Grass/Sedge	L	Larval	Sp	Spring
H-A	Herb - Annual	N	Nectar	S	Summer
H-P	Herb - Perennial			F	Fall
T	Tree/Shrub			W	Winter
V	Vine				
O	Other				

## Reference Sources:

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*Wildflowers of Texas*, Geyata Ajilvsgi  
*Butterfly Gardening for the South*, Geyata Ajilvsgi  
*Butterflies of Houston & Southeast Texas*, John and Gloria Tveten  
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Type	L-N	Plant Common Name	Botanical Name		Plant Family	Size	Habitat / Comments	Bloom Period				Butterfly Name	Butterfly Family
								Spring	S	F	W		
H-P	L	Brown-eyed Susan	Rudbeckia	hirta	Aster	To 2 1/2'	Full sun	Sp	S			Silvery Checkerspot	Brushfoots
H-P	L	Ruellia, Carolina	Ruellia	carolinensis	Acanthus	1 to 3'	Moist soil in part shade		S			Texan Crescent	Brushfoots
H-P	L	Ruellia, Drummond's	Ruellia	drummondiana	Acanthus	To 2'	Grassy area, dappled sun		S	F		Common Buckeye	Brushfoots
H-P	L	Ruellia, White	Ruellia	nudiflora v. Metzae	Acanthus	To 2'	Grassy area, dappled sun	Sp	S	F		Common Buckeye	Brushfoots
H-P	L	Ruellia, Western	Ruellia	occidentalis	Acanthus	1 to 3'	Dry, rocky woods, part shade		S	F		Common Buckeye	Brushfoots
H-P	L	Ruellia, Western	Ruellia	occidentalis	Acanthus	1 to 3'	Dry, rocky woods, part shade		S	F		White Peacock	Brushfoots
T	L	Willow-Weeping	Salix	babylonica	Willow	To 75'	Non-native	Sp				Mourning Cloak	Brushfoots
T	L	Willow-Weeping	Salix	babylonica	Willow	To 75'	Non-native	Sp				Viceroy	Brushfoots
T	L	Willow-Sandbar	Salix	exigua	Willow	4 to 15'	Wet gravels along sandbars, ditches	Sp				Mourning Cloak	Brushfoots
T	L	Willow-Sandbar	Salix	exigua	Willow	4 to 15'	Wet gravels along sandbars, ditches	Sp				Red-spotted Purple	Brushfoots
T	L	Willow-Sandbar	Salix	exigua	Willow	4 to 15'	Wet gravels along sandbars, ditches	Sp				Viceroy	Brushfoots
T	L	Black Willow	Salix	nigra	Willow	10 to 60'	Sun to shade, moist soils	Sp				Viceroy	Brushfoots
T	L	Black Willow	Salix	nigra	Willow	10 to 60'	Sun to shade, moist soils	Sp				Mourning Cloak	Brushfoots
T	L	Black Willow	Salix	nigra	Willow	10 to 60'	Sun to shade, moist soils	Sp				Red-spotted Purple	Brushfoots
T	L	Black Willow	Salix	nigra	Willow	10 to 60'	Sun to shade, moist soils	Sp				Tiger Swallowtail	Swallowtail
T	L	Peach-leaved Willow	Salix	amygdaloides	Willow	To 50"	Sun to shade, wet soils along streams	Sp				Mourning Cloak	Brushfoots
H-P	L	Texas Sage, Tropical Sage	Salvia	coccinea	Mint	6-30"	Sandy soils, part shade	Sp	S	F		Painted Lady	Brushfoots
T	L	Soapberry	Sapindus	saponaria	Soapberry	To 30'	Sun, fencerows	Sp				Soapberry Hairstreak	Hairstreak
G	L	Bluestem, Little	Schizachyrium	scoparium	Grass	To 3'+	Full sun					Beardgrass Skipper	Skippers
H-A	L	Yellow Stonecrop	Sedum	nuttallianum	Stonecrop	2-4"	Shallow soil, rocks, crevices	Sp	S			Gray Hairstreak	Hairstreak
H-A	L	Yellow Stonecrop	Sedum	nuttallianum	Stonecrop	2-4"	Shallow soil, rocks, crevices	Sp	S			Common Buckeye	Brushfoots
H-A	L	Yellow Stonecrop	Sedum	nuttallianum	Stonecrop	2-4"	Shallow soil, rocks, crevices	Sp	S			Variegated Fritillary	Brushfoots
H-A	L	Texas Groundsel	Senecio	ampullaceus	Aster	1 to 2'	Sandy soils	Sp				American Lady	Brushfoots
H-P	L	Lindheimer's Senna	Senna	lindheimeriana	Bean	1 to 3'	Open, rocky ground		S	F		Sleepy Orange	Sulphurs
H-P	L	Lindheimer's Senna	Senna	lindheimeriana	Bean	1 to 3'	Open, rocky ground		S	F		Cloudless Sulphur	Sulphurs
H-P	L	Lindheimer's Senna	Senna	lindheimeriana	Bean	1 to 3'	Open, rocky ground		S	F		Mexican Yellow	Sulphurs
H-P	L	Lindheimer's Senna	Senna	lindheimeriana	Bean	1 to 3'	Open, rocky ground		S	F		Orange Sulphur	Sulphurs
H-P	L	Two-leaved Senna	Senna	roemeriana	Bean	1 to 2'	Dry flats, hillsides	Sp	S	F		Orange Sulphur	Sulphurs
H-P	L	Senna	Senna	sp.	Bean			Sp	S	F		Cloudless Sulphur	Sulphurs
H-P	L	Senna	Senna	sp.	Bean			Sp	S	F		Large Orange Sulphur	Sulphurs
H-P	L	Senna	Senna	sp.	Bean			Sp	S	F		Little Yellow	Sulphurs
H-P	L	Senna	Senna	sp.	Bean			Sp	S	F		Sleepy Orange	Sulphurs
H-P	L	Rattlebush	Sesbania	drummondii	Bean	To 10'	Sun, shade, moist, wet soils, upright branched		S	F		Funereal Duskywing	Spreading Skippers
H-P	L	Rattlebush	Sesbania	drummondii	Bean	To 10'	Sun, shade, moist, wet soils, upright branched		S	F		Gray Hairstreak	Hairstreak
H-P	L	Rattlebush	Sesbania	drummondii	Bean	To 10'	Sun, shade, moist, wet soils, upright branched		S	F		Funereal Duskywing	Spreading Skippers
H-P	L	Sida, Spreading	Sida	filicaulis	Mallow	To 18"	Sun or part shade, dry soils, spreading	Sp	S	F		Orange Sulphur	Sulphurs
H-P	L	Sida, Spreading	Sida	filicaulis	Mallow	To 18"	Sun or part shade, dry soils, spreading	Sp	S	F		Desert checkered Skipper	Skippers
H-P	L	Lindheimer's Sida	Sida	lindheimeri	Mallow	6-18"	Sandy soils	Sp	S			Common Checkered Skipper	Skippers
H-P	L	Sida	Sida	sp.	Mallow			Sp	S	F		Tropical Checkered Skipper	Spreading Skippers
H-P	L	Rosinweed	Silphium	sp.	Aster				S	F		Bordered Patch	Brushfoots
H-P	L	Bush Sunflower	Simsia	calva	Aster	To 2'	Sun, various soils	Sp	S	F		Bordered Patch	Brushfoots
H-P	L	Tube-Tongue	Siphonoglossa	pilosella	Acanthus	2-5"	Full, dappled sun	Sp	S	F		Dymas Checkerspot	Brushfoots
H-P	L	Tube-Tongue	Siphonoglossa	pilosella	Acanthus	2-5"	Full, dappled sun	Sp	S	F		Elada Checkerspot	Brushfoots
H-P	L	Tube-Tongue	Siphonoglossa	pilosella	Acanthus	2-5"	Full, dappled sun	Sp	S	F		Texan Crescent	Brushfoots
H-P	L	Tube-Tongue	Siphonoglossa	pilosella	Acanthus	2-5"	Full, dappled sun	Sp	S	F		Vesta Crescent	Brushfoots
H-P	L	Tall Goldenrod	Solidago	altissima	Aster	3 to 6'	Moist soils near streams			F		Silvery Checkerspot	Brushfoots
T	L	Texas Mountain Laurel	Sophora	secundiflora	Bean	To 12'	Sun, xeric, ornamental	Sp				Henry's Elfin	Hairstreak
T	L	Texas Mountain Laurel	Sophora	secundiflora	Bean	To 12'	Sun, xeric, ornamental	Sp				Orange Sulphur	Sulphurs
G	L	Indian Grass, Yellow	Sorghastrum	nuttans	Grass	3-8'	Full sun					Pepper & Salt Skipper	Skippers
H-P	L	Globe-Mallow, Copper	Sphaeralcea	angustifolia	Mallow	To 3'	Full sun, dry conditions, erect	Sp	S	F		Common Checkered Skipper	Skippers
H-P	L	Globe-Mallow, Copper	Sphaeralcea	angustifolia	Mallow	To 3'	Full sun, dry conditions, erect	Sp	S	F		Common Streaky Skipper	Skippers
H-P	L	Globe-Mallow, Copper	Sphaeralcea	angustifolia	Mallow	To 3'	Full sun, dry conditions, erect	Sp	S	F		Gray Hairstreak	Hairstreak
H-P	L	Globe-Mallow, Copper	Sphaeralcea	angustifolia	Mallow	To 3'	Full sun, dry conditions, erect	Sp	S	F		Painted Lady	Brushfoots
H-A	L	Shade Betony	Stachys	crenata	Mint			Sp				Painted Lady	Brushfoots

# BUTTERFLY LARVAL AND NECTAR PLANTS

## Type

G	Grass/Sedge	L - Larval	Sp - Spring
H-A	Herb - Annual	N - Nectar	S - Summer
H-P	Herb - Perennial		F - Fall
T	Tree/Shrub		W - Winter
V	Vine		
O	Other		

## Reference Sources:

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*Butterflies of Houston & Southeast Texas*, John and Gloria Tveten  
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Type	L-N	Plant Common Name	Botanical Name		Plant Family	Size	Habitat / Comments	Bloom Period				Butterfly Name	Butterfly Family
								Spring	S	F	W		
H-A	L	Bracted Twist-Flower	<i>Streptanthus</i>	<i>bracteatus</i>	Mustard	2 to 4'	Rocky, wooded slopes	Sp				Falcate Orange-tip	Whites
T	L	Sycamore Leaf Snowbell	<i>Styrax</i>	<i>platanifolia</i>	Storax	To 12'	Under bluffs, near streams	Sp				Tiger Swallowtail	Swallowtail
T	L	Yellow Bells (Esperanza)	<i>Tacoma</i>	<i>stans</i>	Bean	3-8'	Full sun, well-drained soils	Sp	S	F		Gray Hairstreak	Hairstreak
H-P	L	Hoary Pea	<i>Tephrosia</i>	<i>lindeheimeri</i>	Bean	To 3'	Sandy soils, part shade	Sp	S			White-striped Longtail	Longtails
H-P	L	Dutchman's Breeches	<i>Thamnosma</i>	<i>texana</i>	Citrus	6-12"	Full sun, drought tolerant	Sp				Black Swallowtail	Swallowtail
H-A	L	Greenthread	<i>Thelesperma</i>	<i>filifolium</i>	Aster	6-24"	Dry, calciche soil	Sp	S			Dainty Sulphur	Sulphurs
T	L	Carolina Basswood	<i>Tilia</i>	<i>caroliniana</i>	Linden	To 50'	Fertile soils near streams	Sp	S			Mourning Cloak	Brushfoots
T	L	Carolina Basswood	<i>Tilia</i>	<i>caroliniana</i>	Linden	To 50'	Fertile soils near streams	Sp	S			White M. Hairstreak	Hairstreak
T	L	Carolina Basswood	<i>Tilia</i>	<i>caroliniana</i>	Linden	To 50'	Fertile soils near streams	Sp	S			Eastern Comma	Brushfoots
T	L	Carolina Basswood	<i>Tilia</i>	<i>caroliniana</i>	Linden	To 50'	Fertile soils near streams	Sp	S			Red-spotted Purple	Brushfoots
V	L	Poison Ivy	<i>Toxicodendron</i>	<i>radicans</i>	Sumac	18" and larger	Sun to part shade, streambeds, roadsides, woodlands	Sp	S			Dusky-blue Groundstreak	Brushfoots
H-P	L	Noseburn	<i>Tragia</i>	<i>sp.</i>	Spurge			Sp				Common Mestra	Brushfoots
H-P	L	Horse-purslane	<i>Trianthema</i>	<i>protulacastrum</i>	Fig-Marigold				S	F		Western Pygmy Blue	Blues
H-P	L	White Clover	<i>Trifolium</i>	<i>repens</i>	Bean	3-4"	Lawn weed, non-native	Sp	S	F		Gray Hairstreak	Hairstreak
H-P	L	White Clover	<i>Trifolium</i>	<i>repens</i>	Bean	3-4"	Lawn weed, non-native	Sp	S	F		Clouded Sulphur	Hairstreak
H-P	L	White Clover	<i>Trifolium</i>	<i>repens</i>	Bean	3-4"	Lawn weed, non-native	Sp	S	F		Southern Dogface	Sulphurs
H-P	L	White Clover	<i>Trifolium</i>	<i>repens</i>	Bean	3-4"	Lawn weed, non-native	Sp	S	F		Reakirt's Blue	Blues
H-P	L	White Clover	<i>Trifolium</i>	<i>repens</i>	Bean	3-4"	Lawn weed, non-native	Sp	S	F		Painted Lady	Brushfoots
H-P	L	White Clover	<i>Trifolium</i>	<i>repens</i>	Bean	3-4"	Lawn weed, non-native	Sp	S	F		Orange Sulphur	Sulphurs
T	L	American Elm	<i>Ulmus</i>	<i>americana</i>	Elm	60 to 80'	Sun to part shade, moist soils	Sp				Question Mark	Brushfoots
T	L	American Elm	<i>Ulmus</i>	<i>americana</i>	Elm	60 to 80'	Sun to part shade, moist soils	Sp				Mourning Cloak	Brushfoots
T	L	American Elm	<i>Ulmus</i>	<i>americana</i>	Elm	60 to 80'	Sun to part shade, moist soils	Sp				Eastern Comma	Brushfoots
T	L	American Elm	<i>Ulmus</i>	<i>americana</i>	Elm	60 to 80'	Sun to part shade, moist soils	Sp				Painted Lady	Brushfoots
T	L	Cedar Elm	<i>Ulmus</i>	<i>crassifolia</i>	Elm	To 50'	Open woods		S	F		Mourning Cloak	Brushfoots
T	L	Cedar Elm	<i>Ulmus</i>	<i>crassifolia</i>	Elm	To 50'	Open woods		S	F		Painted Lady	Brushfoots
T	L	Cedar Elm	<i>Ulmus</i>	<i>crassifolia</i>	Elm	To 50'	Open woods		S	F		Question Mark	Brushfoots
T	L	Mexican Buckeye	<i>Ungnadia</i>	<i>speciosa</i>	Soapberry	To 15'	Shady canyons, creek banks	Sp				Henry's Elfin	Hairstreak
H-A	L	Nettle, Low spring	<i>Urtica</i>	<i>chamaedryoides</i>	Stinging Nettle	To 2 1/2'	Sun/shade, in humus bottomlands	Sp	S	F		Red Admiral	Brushfoots
H-A	L	Nettles	<i>Urtica</i>	<i>sp.</i>	Stinging Nettle							Red Admiral	Brushfoots
H-A	L	Nettles	<i>Urtica</i>	<i>sp.</i>	Stinging Nettle							Painted Lady	Brushfoots
H-A	L	Nettles	<i>Urtica</i>	<i>sp.</i>	Stinging Nettle							American Lady	Brushfoots
H-A	L	Nettles	<i>Urtica</i>	<i>sp.</i>	Stinging Nettle							Question Mark	Brushfoots
H-A	L	Nettles	<i>Urtica</i>	<i>sp.</i>	Stinging Nettle							Eastern Comma	Brushfoots
H-P	L	Texas Vervain	<i>Verbena</i>	<i>halei</i>	Verbena	6-18"	Open, grassy areas	Sp	S			Common Buckeye	Brushfoots
H-P	L	Wingstem	<i>Verbesina</i>	<i>alternifolia</i>	Aster		Moist slopes, woodlands, fields		S	F		Silvery Checkerspot	Brushfoots
H-A	L	Cowpen Daisy	<i>Verbesina</i>	<i>encelioides</i>	Aster	To 5'	Open areas	Sp	S	F		Bordered Patch	Brushfoots
H-P	L	Frostweed	<i>Verbesina</i>	<i>virginica</i>	Aster	To 6'	Shade/sun, loamy soils, erect			F		Bordered Patch	Brushfoots
H-P	L	Frostweed	<i>Verbesina</i>	<i>virginica</i>	Aster	To 6'	Shade/sun, loamy soils, erect			F		Silvery Checkerspot	Brushfoots
H-P	L	Western Ironweed	<i>Vernonia</i>	<i>baldwinii</i>	Aster	2 to 5'	Full sun, forms colonies		S	F		Painted Lady	Brushfoots
H-A	L	Vetch, Deer Pea	<i>Vicia</i>	<i>ludoviciana</i>	Bean	6-36"	Sandy & calcareous soils, sun	Sp				Little Yellow	Sulphurs
H-A	L	Vetch	<i>Vicia</i>	<i>sp.</i>	Bean			Sp				Funereal Duskywing	Spreadwing Skippers
H-P	L	Goldeneye	<i>Viguiera</i>	<i>dentata</i>	Aster	To 6'	Full sun, dry calciche			F		Bordered Patch	Brushfoots
H-P	L	Goldeneye	<i>Viguiera</i>	<i>dentata</i>	Aster	To 6'	Full sun, dry calciche			F		Crescentspot	Brushfoots
H-P	L	Zexmenia, Hairy Wedelia	<i>Wedelia</i>	<i>texana</i>	Aster	To 2 1/2'	Dry, open areas	Sp	S	F		Bordered Patch	Brushfoots
H-P	L	Velvet-Leaf Mallow	<i>Wissadula</i>	<i>holosericea</i>	Mallow	2 to 6'	Dry, rocky soils		S	F		Texas Powdered-Skipper	Skippers
H-P	L	Velvet-Leaf Mallow	<i>Wissadula</i>	<i>holosericea</i>	Mallow	2 to 6'	Dry, rocky soils		S	F		Common Streaky Skipper	Skippers
H-A	L	Cocklebur	<i>Xanthium</i>	<i>strumarium</i>	Aster				S	F		Bordered Patch	Brushfoots
H-P	L	Buckley Yucca	<i>Yucca</i>	<i>constricta</i>	Lily	1 to 3'	Dry, open woodlands, prairies	Sp	S			Yucca Giant-Skipper	Giant-Skippers
H-P	L	Twist-Leaf Yucca	<i>Yucca</i>	<i>rupicola</i>	Lily	To 2'	Dry, rocky, open areas	Sp	S			Yucca Giant-Skipper	Giant-Skippers
T	L	Prickly Ash (Toothache Tree)	<i>Zanthoxylum</i>	<i>hirsutum</i>	Citrus	6 to 12'	Part shade, dry soils	Sp				Tiger Swallowtail	Swallowtail
T	L	Prickly Ash (Toothache Tree)	<i>Zanthoxylum</i>	<i>hirsutum</i>	Citrus	6 to 12'	Part shade, dry soils	Sp				Two-tailed Tiger Swallowtail	Swallowtail
T	L	Prickly Ash (Toothache Tree)	<i>Zanthoxylum</i>	<i>hirsutum</i>	Citrus	6 to 12'	Part shade, dry soils	Sp				Giant Swallowtail	Swallowtail
G	L	Native Grasses			Grass							Red Satyr	Brushfoots
H-P	L	Blunt-leaf Milkweed	<i>Asclepias</i>	<i>amplexicaulis</i>	Milkweed	1 to 3'	Dry fields, open woods	Sp	S			Queen	Milkweed
H-P	N	Yarrow, White, Milfoil	<i>Achillea</i>	<i>millefolium</i>	Aster	To 3'	Grassy areas, Deer leave alone	Sp	S			Gray Hairstreak	Hairstreak
H-P	N	Wild Onion	<i>Allium</i>	<i>sp.</i>	Lily	6-18"	Open areas, full sun	Sp				Western Pygmy Blue	Blues
H-P	N	Wild Onion	<i>Allium</i>	<i>sp.</i>	Lily	6-18"	Open areas, full sun	Sp				Texan Crescent	Brushfoots
H-P	N	Wild Onion	<i>Allium</i>	<i>sp.</i>	Lily	6-18"	Open areas, full sun	Sp				Great Purple Hairstreak	Hairstreak
H-P	N	Wild Onion	<i>Allium</i>	<i>sp.</i>	Lily	6-18"	Open areas, full sun	Sp				Common Streaky Skipper	Skippers
H-P	N	Wild Onion	<i>Allium</i>	<i>sp.</i>	Lily	6-18"	Open areas, full sun	Sp				Falcate Orange-tip	Whites

# BUTTERFLY LARVAL AND NECTAR PLANTS

## Type

G Grass/Sedge	L - Larval	Sp - Spring
H-A Herb - Annual	N - Nectar	S - Summer
H-P Herb - Perennial		F - Fall
T Tree/Shrub		W - Winter
V Vine		
O Other		

## Reference Sources:

*Wildflowers of the Texas Hill Country*, Marshall Enquist  
*Wildflowers of Texas*, Geyata Ajilvsgi  
*Butterfly Gardening for the South*, Geyata Ajilvsgi  
*Butterflies of Houston & Southeast Texas*, John and Gloria Tveten  
*Trees, Shrubs, and Vines of the Texas Hill Country*, Jan Wrede

## Web Links

<http://www.wildflower.org/>  
<http://www.texasento.net/plnts.htm>

Type	L-N	Plant Common Name	Botanical Name		Plant Family	Size	Habitat / Comments	Bloom Period				Butterfly Name	Butterfly Family
								Spring	S	F	W		
T	N	Whitebrush, Beebrush	Aloysia	gratissima	Verbena	To 10'	Sun to part shade, moist rocky soils	Sp	S	F			
T	N	Flame Acanthus	Anisacanthus	Wrightii	Acanthus	2-4"	Drought tol., full to dappled sun, bushy		S	F		Crimson Patch	Brushfoots
H-P	N	Milkweed	Asclepias	all	Milkweed		Open areas, Use all you can get!	Sp	S	F		Mourning Cloak	Brushfoots
H-P	N	Milkweed	Asclepias	all	Milkweed		Open areas, Use all you can get!	Sp	S	F		Question Mark	Brushfoots
H-P	N	Milkweed	Asclepias	all	Milkweed		Open areas, Use all you can get!	Sp	S	F		Red Admiral	Brushfoots
H-P	N	Milkweed	Asclepias	all	Milkweed		Open areas, Use all you can get!	Sp	S	F		Tiger Swallowtail	Swallowtail
H-P	N	Antelope Horns	Asclepias	asperula	Milkweed	8-24"	Open grassy areas, milkweed	Sp				Common Checkered Skipper	Skippers
H-P	N	Milkweed	Asclepias	sp.	Milkweed		Open areas, Use all you can get!	Sp	S	F		Gray Hairstreak	Hairstreak
H-P	N	Milkweed	Asclepias	sp.	Milkweed		Open areas, Use all you can get!	Sp	S	F		Monarch	Milkweed
H-P	N	Milkweed	Asclepias	sp.	Milkweed		Open areas, Use all you can get!	Sp	S	F		Queen	Milkweed
H-P	N	Milkweed	Asclepias	sp.	Milkweed		Open areas, Use all you can get!	Sp	S	F		Large Wood Nymph	Satyr
H-P	N	Butterfly Weed	Asclepias	tuberosa	Milkweed	To 20"	Full sun	Sp	S	F		Gulf Fritillary	Brushfoots
H-P	N	Butterfly Weed	Asclepias	tuberosa	Milkweed	To 20"	Full sun	Sp	S	F		Cloudless Sulphur	Sulphurs
H-P	N	Butterfly Weed	Asclepias	tuberosa	Milkweed	To 20"	Full sun	Sp	S	F		Black Swallowtail	Swallowtail
H-P	N	Butterfly Weed	Asclepias	tuberosa	Milkweed	To 20"	Full sun	Sp	S	F		Giant Swallowtail	Swallowtail
H-P	N	Butterfly Weed	Asclepias	tuberosa	Milkweed	To 20"	Full sun	Sp	S	F		Spicebush Swallowtail	Swallowtail
H-P	N	Aster, Heath, White	Aster	ericoides	Aster	4-30"	Open areas, spreads by rhizomes, much branched			F		Pearl Crescent	Brushfoots
H-P	N	Aster, Heath, White	Aster	ericoides	Aster	4-30"	Open areas, spreads by rhizomes, much branched			F		Viceroy	Brushfoots
H-P	N	Tall Aster	Aster	praealtus	Aster	1-4'	Moist soils			F		Pearl Crescent	Brushfoots
H-P	N	Asters	Aster	sp.	Aster			Sp	S	F		American Lady	Brushfoots
H-P	N	Asters	Aster	sp.	Aster			Sp	S	F		Gulf Fritillary	Brushfoots
H-P	N	Asters	Aster	sp.	Aster			Sp	S	F		Painted Lady	Brushfoots
H-P	N	Asters	Aster	sp.	Aster			Sp	S	F		Question Mark	Brushfoots
H-P	N	Asters	Aster	sp.	Aster			Sp	S	F		Red Admiral	Brushfoots
H-P	N	Asters	Aster	sp.	Aster			Sp	S	F		Great Purple Hairstreak	Hairstreak
H-P	N	Asters	Aster	sp.	Aster			Sp	S	F		Monarch	Milkweed
H-P	N	Asters	Aster	sp.	Aster			Sp	S	F		Spicebush Swallowtail	Swallowtail
H-P	N	Texas Aster	Aster	texanus	Aster	1-3'	Calcareous clays			F		Pearl Crescent	Brushfoots
H-P	N	Agarita	Berberis	trifoliata	Figwort			Sp				Western Pygmy Blue	Blues
T	N	Wand Butterflybush	Buddleja	racemosa	ButterflyBush	3 to 5'	Limestone cliffs, wooded slopes		S				
T	N	Buttonbush	Cephalanthus	occidentalis	Madder	3 to 7'	Stream, pond, and lake sides		S	F		Crimson Patch	Brushfoots
T	N	Buttonbush	Cephalanthus	occidentalis	Madder	3 to 7'	Stream, pond, and lake sides		S	F		Viceroy	Brushfoots
T	N	Buttonbush	Cephalanthus	occidentalis	Madder	3 to 7'	Stream, pond, and lake sides		S	F		Large Wood Nymph	Satyr
T	N	Buttonbush	Cephalanthus	occidentalis	Madder	3 to 7'	Stream, pond, and lake sides		S	F		Common Streaky Skipper	Skippers
T	N	Buttonbush	Cephalanthus	occidentalis	Madder	3 to 7'	Stream, pond, and lake sides		S	F		Cloudless Sulphur	Sulphurs
T	N	Buttonbush	Cephalanthus	occidentalis	Madder	3 to 7'	Stream, pond, and lake sides		S	F		Tiger Swallowtail	Swallowtail
T	N	Redbud	Cercis	canadensis	Bean	To 20"	Dry, rocky soil	Sp				Henry's Elfin	Hairstreak
T	N	Redbud	Cercis	sp.	Bean	To 20"	Dry, rocky soil	Sp				Great Purple Hairstreak	Hairstreak
H-P	N	Thistle, TX	Cirsium	texanum	Aster	To 4½'	Dry open areas	Sp	S			American Lady	Brushfoots
H-P	N	Thistle, TX	Cirsium	texanum	Aster	To 4½'	Dry open areas	Sp	S			Gulf Fritillary	Brushfoots
H-P	N	Thistle, TX	Cirsium	texanum	Aster	To 4½'	Dry open areas	Sp	S			Painted Lady	Brushfoots
H-P	N	Thistle, TX	Cirsium	texanum	Aster	To 4½'	Dry open areas	Sp	S			Great Purple Hairstreak	Hairstreak
H-P	N	Thistle, TX	Cirsium	texanum	Aster	To 4½'	Dry open areas	Sp	S			Monarch	Milkweed
H-P	N	Thistle, TX	Cirsium	texanum	Aster	To 4½'	Dry open areas	Sp	S			Large Wood Nymph	Satyr
H-P	N	Thistle, TX	Cirsium	texanum	Aster	To 4½'	Dry open areas	Sp	S			Black Swallowtail	Swallowtail
H-P	N	Thistle, TX	Cirsium	texanum	Aster	To 4½'	Dry open areas	Sp	S			Pipeline Swallowtail	Swallowtail
H-P	N	Thistle, TX	Cirsium	texanum	Aster	To 4½'	Dry open areas	Sp	S			Tiger Swallowtail	Swallowtail
T	N	Bluewood Condalia	Condalia	hookeri	Buckthorn	12 to 36'	Brushy pastures, woods		S				
H-P	N	Gregg's Mistflower	Conoclinium	greggii	Aster	To 3'	Sun to part shade	Sp	S	F		Gulf Fritillary	Brushfoots
H-P	N	Gregg's Mistflower	Conoclinium	greggii	Aster	To 3'	Sun to part shade	Sp	S	F		Red Admiral	Brushfoots

# BUTTERFLY LARVAL AND NECTAR PLANTS

## Type

G	Grass/Sedge	L	Larval	Sp	Spring
H-A	Herb - Annual	N	Nectar	S	Summer
H-P	Herb - Perennial			F	Fall
T	Tree/Shrub			W	Winter
V	Vine				
O	Other				

## Reference Sources:

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*Wildflowers of Texas*, Geyata Ajilvsgi  
*Butterfly Gardening for the South*, Geyata Ajilvsgi  
*Butterflies of Houston & Southeast Texas*, John and Gloria Tveten  
*Trees, Shrubs, and Vines of the Texas Hill Country*, Jan Wrede

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Type	L-N	Plant Common Name	Botanical Name		Plant Family	Size	Habitat / Comments	Bloom Period				Butterfly Name	Butterfly Family
								Spring	S	F	W		
H-P	N	Gregg's Mistflower	Conoclinium	greggii	Aster	To 3'	Sun to part shade	Sp	S	F		Variegated Fritillary	Brushfoots
H-P	N	Gregg's Mistflower	Conoclinium	greggii	Aster	To 3'	Sun to part shade	Sp	S	F		Monarch	Milkweed
H-P	N	Gregg's Mistflower	Conoclinium	greggii	Aster	To 3'	Sun to part shade	Sp	S	F		Queen	Milkweed
H-P	N	Purple Prairie Clover	Dalea	purpurea	Bean	To 3'	Sandy soils, slopes, prairies, upright	Sp	S			Common Checkered Skipper	Skippers
T	N	Texas Persimmon	Diospyros	texana	Persimmon	To 30'	Hillsides, dry open woods					Henry's Elfin	Hairstreak
H-P	N	Purple Coneflower	Echinacea	purpurea	Aster	1 to 3'	Prairies, calcareous soils	Sp	S			Painted Lady	Brushfoots
T	N	Anaqua	Ehretia	anacua	Borage	20 to 45'	Protected valleys, canyons	Sp					
H-P	N	Engelmann Daisy	Engelmannia	peristenia	Aster	6-24"	Common along roadsides	Sp	S			Texan Crescent	Brushfoots
H-P	N	Engelmann Daisy	Engelmannia	peristenia	Aster	6-24"	Common along roadsides	Sp	S			Great Purple Hairstreak	Hairstreak
H-P	N	Fleabane	Erigeron	sp.	Aster			Sp				Bordered Patch	Brushfoots
T	N	Thoroughwort	Eupatorium	havanense	Aster	To 15'	Full to drapped sun Deer like it, worth Planting and caging			F		Western Pygmy Blue	Blues
T	N	Thoroughwort	Eupatorium	havanense	Aster	To 15'	Full to drapped sun Deer like it, worth Planting and caging			F		Bordered Patch	Brushfoots
T	N	Thoroughwort	Eupatorium	havanense	Aster	To 15'	Full to drapped sun Deer like it, worth Planting and caging			F		Gulf Fritillary	Brushfoots
T	N	Thoroughwort	Eupatorium	havanense	Aster	To 15'	Full to drapped sun Deer like it, worth Planting and caging			F		Texan Crescent	Brushfoots
T	N	Thoroughwort	Eupatorium	havanense	Aster	To 15'	Full to drapped sun Deer like it, worth Planting and caging			F		Great Purple Hairstreak	Hairstreak
T	N	Thoroughwort	Eupatorium	havanense	Aster	To 15'	Full to drapped sun Deer like it, worth Planting and caging			F		Zebra Heliconian	Longwings
T	N	Thoroughwort	Eupatorium	havanense	Aster	To 15'	Full to drapped sun Deer like it, worth Planting and caging			F		Common Checkered Skipper	Skippers
T	N	Thoroughwort	Eupatorium	havanense	Aster	To 15'	Full to drapped sun Deer like it, worth Planting and caging			F		Cloudless Sulphur	Sulphurs
T	N	Thoroughwort	Eupatorium	havanense	Aster	To 15'	Full to drapped sun Deer like it, worth Planting and caging			F		Black Swallowtail	Swallowtail
H-P	N	Bonesets, Mistflowers	Eupatorium	sp.	Aster					F		Large Wood Nymph	Satyrs
H-P	N	Boneset, Late-flowering, White	Eupatorium	serotinum	Aster	To 4'	Moist areas, forms colonies		S	F		Viceroy	Brushfoots
H-P	N	Boneset, Late-flowering, White	Eupatorium	serotinum	Aster	To 4'	Moist areas, forms colonies		S	F		Queen	Milkweed
T	N	Kidneywood	Eysenhardtia	texana	Bean	3-10'	Calcareous soil, full to dapped sun		S	F		Bordered Patch	Brushfoots
T	N	Kidneywood	Eysenhardtia	texana	Bean	3-10'	Calcareous soil, full to dapped sun		S	F		Crimson Patch	Brushfoots
T	N	Kidneywood	Eysenhardtia	texana	Bean	3-10'	Calcareous soil, full to dapped sun		S	F		Texan Crescent	Brushfoots
T	N	Kidneywood	Eysenhardtia	texana	Bean	3-10'	Calcareous soil, full to dapped sun		S	F		Great Purple Hairstreak	Hairstreak
T	N	Elbowbush	Forestiera	pubescens	Ash	To 15'	Open woods, good soil along streams	Sp					
H-A	N	Indian Blanket	Gaillardia	pulchella	Aster	1 to 2'	Fields, roadsides in full sun	Sp	S			Bordered Patch	Brushfoots
H-A	N	Indian Blanket	Gaillardia	pulchella	Aster	1 to 2'	Fields, roadsides in full sun	Sp	S			Texan Crescent	Brushfoots
H-A	N	Indian Blanket	Gaillardia	pulchella	Aster	1 to 2'	Fields, roadsides in full sun	Sp	S			Common Checkered Skipper	Skippers
H-A	N	Indian Blanket	Gaillardia	pulchella	Aster	1 to 2'	Fields, roadsides in full sun	Sp	S			Black Swallowtail	Swallowtail
H-A	N	Bluets, Baby's Breath	Hedyotis	nigricans	Madder	3-18"	Dry soils, along roadsides	Sp	S	F		Common Streaky Skipper	Skippers
H-A	N	Bluets	Hedyotis	sp.	Madder			Sp	S	F		Western Pygmy Blue	Blues
H-A	N	Bluets	Hedyotis	sp.	Madder			Sp	S	F		Common Checkered Skipper	Skippers
H-A	N	Bluets	Hedyotis	sp.	Madder			Sp	S	F		Falcate Orangetip	Whites
H-A	N	Sunflower, Common	Helianthus	annuus	Aster	To 8'	Dry soils, full sun	Sp	S	F		Bordered Patch	Brushfoots
H-A	N	Sunflower, Common	Helianthus	annuus	Aster	To 8'	Dry soils, full sun	Sp	S	F		Crimson Patch	Brushfoots
H-A	N	White Heliotrope	Heliotropium	tenellum	Borage	6-18"	Dry hillsides, roadsides, rocky soil	Sp	S	F			

# BUTTERFLY LARVAL AND NECTAR PLANTS

## Type

G	Grass/Sedge	L	Larval	Sp	Spring
H-A	Herb - Annual	N	Nectar	S	Summer
H-P	Herb - Perennial			F	Fall
T	Tree/Shrub			W	Winter
V	Vine				
O	Other				

## Reference Sources:

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Type	L-N	Plant Common Name	Botanical Name		Plant Family	Size	Habitat / Comments	Bloom Period				Butterfly Name	Butterfly Family
								Spring	S	F	W		
H-P	N	Gray Golden Aster	Heterotheca	canescens	Aster	4-18"	Dry, calcareous soils		S	F			
V	N	Morning Glory	Ipomoea	sp.	Morning Glory							Cloudless Sulphur	Sulphurs
T	N	Texas Lantana	Lantana	horrida	Verbena	To 6'	Sun, various soils	Sp	S	F		Gulf Fritillary	Brushfoots
T	N	Texas Lantana	Lantana	horrida	Verbena	To 6'	Sun, various soils	Sp	S	F		Zebra Heliconian	Longwings
T	N	Texas Lantana	Lantana	horrida	Verbena	To 6'	Sun, various soils	Sp	S	F		Monarch	Milkweed
T	N	Texas Lantana	Lantana	horrida	Verbena	To 6'	Sun, various soils	Sp	S	F		Common Streaky Skipper	Skippers
T	N	Texas Lantana	Lantana	horrida	Verbena	To 6'	Sun, various soils	Sp	S	F		Cloudless Sulphur	Sulphurs
T	N	Texas Lantana	Lantana	horrida	Verbena	To 6'	Sun, various soils	Sp	S	F		Black Swallowtail	Swallowtail
T	N	Texas Lantana	Lantana	horrida	Verbena	To 6'	Sun, various soils	Sp	S	F		Giant Swallowtail	Swallowtail
T	N	Texas Lantana	Lantana	horrida	Verbena	To 6'	Sun, various soils	Sp	S	F		Pipeline Swallowtail	Swallowtail
T	N	Texas Lantana	Lantana	horrida	Verbena	To 6'	Sun, various soils	Sp	S	F		Spicebush Swallowtail	Swallowtail
T	N	Cenizo	Leucophyllum	frutescens	Snapdragon	To 8'	Rocky limestone hills, Full sun	Sp	S	F		Theona Checkerspot	Brushfoots
H-P	N	Gayfeather	Liatris	mucronata	Aster	To 3'	Caliche soil, sun		S	F		American Lady	Brushfoots
H-P	N	Gayfeather	Liatris	mucronata	Aster	To 3'	Caliche soil, sun		S	F		Painted Lady	Brushfoots
H-P	N	Flax	Linum	sp.	Flax			Sp	S	F		Variegated Fritillary	Brushfoots
T	N	Mexican Oregano	Lippia	graveolens	Verbena	3 to 6'	Dry, caliche soil	Sp	S	F			
H-P	N	Cardinal Flower	Lobelia	cardinalis	Bluebell	1 to 4'	Moist soils, near streams		S	F		Cloudless Sulphur	Sulphurs
H-P	N	Cardinal Flower	Lobelia	cardinalis	Bluebell	1 to 4'	Moist soils, near streams		S	F		Southern Dogface	Sulphurs
H-P	N	Cardinal Flower	Lobelia	cardinalis	Bluebell	1 to 4'	Moist soils, near streams		S	F		Pipeline Swallowtail	Swallowtail
H-P	N	Cardinal Flower	Lobelia	cardinalis	Bluebell	1 to 4'	Moist soils, near streams		S	F		Spicebush Swallowtail	Swallowtail
V	N	Honeysuckle	Lonicera	sp.	Honeysuckle			Sp				Tiger Swallowtail	Swallowtail
H-P	N	Turk's Cap	Malvaviscus	Drummondii	Mallow	2-4'	Shade		S	F		Cloudless Sulphur	Sulphurs
H-P	N	Blackfoot Daisy	Melampodium	leucanthum	Aster	6-18"	Dry soils, including caliche	Sp	S	F		Viceroy	Brushfoots
H-P	N	Blackfoot Daisy	Melampodium	leucanthum	Aster	6-18"	Dry soils, including caliche	Sp	S	F		Gray Hairstreak	Hairstreak
V	N	Climbing Hempweed	Mikania	scandens	Aster		Shade, moist woods, thickets		S				
H-A	N	Purple Horesemint, Lemon Beebalm	Monarda	citriodora	Mint	1 to 3'	Open areas, sun	Sp	S				
H-P	N	Wild Bergamot	Monarda	fistulosa	Mint	2 to 5'	Sun to part shade, various soils	Sp	S				
H-P	N	Spotted Beebalm	Monarda	punctata	Mint	1 to 2'	Sandy soils	Sp	S				
H-P	N	Crow Poison, False Garlic	Nothoscordum	bivale	Lily	To 12"	Prairies, open slopes, roadsides	Sp		F		Common Checkered Skipper	Skippers
H-P	N	Crow Poison, False Garlic	Nothoscordum	bivale	Lily		Prairies, open slopes, roadsides	Sp		F		Falcate Orange-tip	Whites
H-P	N	Yellow Wood Sorrel	Oxalis	dillenii	Wood Sorrel	6"	Various soils	Sp	S	F		Falcate Orange-tip	Whites
H-P	N	Rose Pavonia	Pavonia	lasiopetala	Mallow	1 to 3'	Sun to part shade	Sp	S	F			
H-A	N	Phacelia	Phacelia	sp.	Waterleaf			Sp				Western Pygmy Blue	Blues
H-A	N	Phacelia	Phacelia	sp.	Waterleaf			Sp				Common Streaky Skipper	Skippers
H-A	N	Phlox	Phlox	sp.	Phlox			Sp				Western Pygmy Blue	Blues
H-A	N	Phlox	Phlox	sp.	Phlox			Sp				Black Swallowtail	Swallowtail
H-A	N	Phlox	Phlox	sp.	Phlox			Sp				Pipeline Swallowtail	Swallowtail
H-P	N	Frog Fruit	Phyla	incisa	Verbena	3-5"	Full sun best blooms, ground hugging	Sp	S	F		Western Pygmy Blue	Blues
H-P	N	Frog Fruit	Phyla	incisa	Verbena	3-5"	Full sun best blooms, ground hugging	Sp	S	F		Phaon Crescent	Brushfoots
H-P	N	Frog Fruit	Phyla	incisa	Verbena	3-5"	Full sun best blooms, ground hugging	Sp	S	F		Queen	Milkweed
H-P	N	Frog Fruit	Phyla	incisa	Verbena	3-5"	Full sun best blooms, ground hugging	Sp	S	F		Common Checkered Skipper	Skippers
H-P	N	Frog Fruit	Phyla	incisa	Verbena	3-5"	Full sun best blooms, ground hugging	Sp	S	F		Common Streaky Skipper	Skippers
T	N	Mesquite, Honey	Prosopis	glandulosa	Bean	20-30'	Old pastures and fields	Sp				Great Purple Hairstreak	Hairstreak
T	N	Dwarf Plum, Texas Almond	Prunus	minutiflora	Rose	To 3'	Limestone soils	Sp					
T	N	Creek Plum	Prunus	rivularis	Rose	To 6'	Thicket forming, part shade	Sp					
T	N	Sumac, Flameleaf	Rhus	lanceolata	Sumac	To 20'	Dry, limestone soils in full sun		S				
H-P	N	Dewberry	Rubus	trivialis	Rose	1 to 3'	Sun to part shade, moist to dry	Sp				Bordered Patch	Brushfoots
H-P	N	Dewberry	Rubus	trivialis	Rose	1 to 3'	Sun to part shade, moist to dry	Sp				Common Checkered Skipper	Skippers
H-P	N	Dewberry	Rubus	trivialis	Rose	1 to 3'	Sun to part shade, moist to dry	Sp				Falcate Orange-tip	Whites
H-P	N	Texas Sage, Tropical Sage	Salvia	coccinea	Mint	6-30"	Sandy soils, part shade	Sp	S	F		Cloudless Sulphur	Sulphurs
H-P	N	Mealy Blue Sage	Salvia	farinacea	Mint	1-3'	Dry, limestone soils, sun	Sp	S	F			
T	N	Autumn Sage	Salvia	greggii	Mint	2-3'	Dry soil, full sun	Sp	S	F		Cloudless Sulphur	Sulphurs
H-P	N	Cedar Sage	Salvia	roemeriana	Mint	1 to 2'	Rocky, shaded woods	Sp	S			Cloudless Sulphur	Sulphurs
H-P	N	Salvias	Salvia	sp.	Mint			Sp	S	F		Southern Dogface	Sulphurs
H-P	N	Salvias	Salvia	sp.	Mint			Sp	S	F		Tiger Swallowtail	Swallowtail
T	N	Gum Bumelia	Sideroxylon	lanuginosum	Sapodilla	To 50'	Fencerows, dry uplands, along streams		S			American Snout	Brushfoots
H-P	N	Goldenrod	Solidago	sp.	Aster					F		Mourning Cloak	Brushfoots

# BUTTERFLY LARVAL AND NECTAR PLANTS

## Type

G	Grass/Sedge	L	Larval	Sp	Spring
H-A	Herb - Annual	N	Nectar	S	Summer
H-P	Herb - Perennial			F	Fall
T	Tree/Shrub			W	Winter
V	Vine				
O	Other				

## Reference Sources:

*Wildflowers of the Texas Hill Country*, Marshall Enquist  
*Wildflowers of Texas*, Geyata Ajilvsgi  
*Butterfly Gardening for the South*, Geyata Ajilvsgi  
*Butterflies of Houston & Southeast Texas*, John and Gloria Tveten  
*Trees, Shrubs, and Vines of the Texas Hill Country*, Jan Wrede

## Web Links

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Type	L-N	Plant Common Name	Botanical Name		Plant Family	Size	Habitat / Comments	Bloom Period				Butterfly Name	Butterfly Family
								Spring	S	F	W		
H-P	N	Goldenrod	Solidago	sp.	Aster							Great Purple Hairstreak	Hairstreak
H-P	N	Goldenrod	Solidago	sp.	Aster							Monarch	Milkweed
H-A	N	Hedge-Parsley, Beggar's Ticks	Torilis	arvensis	Parsley	6-18"	Various soils	Sp	S			Great Purple Hairstreak	Hairstreak
H-A	N	Hedge-Parsley, Beggar's Ticks	Torilis	arvensis	Parsley	6-18"	Various soils	Sp	S			Common Streaky Skipper	Skippers
H-P	N	White Clover	Trifolium	repens	Bean	3-4"	Lawn weed, non-native	Sp	S	F		Gray Hairstreak	Hairstreak
H-P	N	White Clover	Trifolium	repens	Bean	3-4"	Lawn weed, non-native	Sp	S	F		Great Purple Hairstreak	Hairstreak
H-P	N	Prairie Verbena	Verbena	bipinnatifida	Verbena	4-12"	Open, grassy areas	Sp	S	F		Western Pygmy Blue	Blues
H-P	N	Prairie Verbena	Verbena	bipinnatifida	Verbena	4-12"	Open, grassy areas	Sp	S	F		Gulf Fritillary	Brushfoots
H-P	N	Prairie Verbena	Verbena	bipinnatifida	Verbena	4-12"	Open, grassy areas	Sp	S	F		Gray Hairstreak	Hairstreak
H-P	N	Prairie Verbena	Verbena	bipinnatifida	Verbena	4-12"	Open, grassy areas	Sp	S	F		Zebra Heliconian	Longwings
H-P	N	Prairie Verbena	Verbena	bipinnatifida	Verbena	4-12"	Open, grassy areas	Sp	S	F		Monarch	Milkweed
H-P	N	Prairie Verbena	Verbena	bipinnatifida	Verbena	4-12"	Open, grassy areas	Sp	S	F		Common Checkered Skipper	Skippers
H-P	N	Prairie Verbena	Verbena	bipinnatifida	Verbena	4-12"	Open, grassy areas	Sp	S	F		Pipevine Swallowtail	Swallowtail
H-P	N	Prairie Verbena	Verbena	bipinnatifida	Verbena	4-12"	Open, grassy areas	Sp	S	F		Spicebush Swallowtail	Swallowtail
H-P	N	Prairie Verbena	Verbena	bipinnatifida	Verbena	4-12"	Open, grassy areas	Sp	S	F		Falcate Orangetip	Whites
H-P	N	Gray Vervain	Verbena	canescens	Verbena	6-18"	Dry soils, sun	Sp	S	F			
H-P	N	Vervain	Verbena	sp.	Verbena			Sp	S	F		Common Streaky Skipper	Skippers
H-A	N	Cowpen Daisy	Verbesina	encelioides	Aster	To 5'	Open areas	Sp	S	F		Bordered Patch	Brushfoots
H-A	N	Cowpen Daisy	Verbesina	encelioides	Aster	To 5'	Open areas	Sp	S	F		Common Checkered Skipper	Skippers
H-A	N	Cowpen Daisy	Verbesina	encelioides	Aster	To 5'	Open areas	Sp	S	F		Common Streaky Skipper	Skippers
H-A	N	Cowpen Daisy	Verbesina	encelioides	Aster	To 5'	Open areas	Sp	S	F		Pipevine Swallowtail	Swallowtail
H-A	N	Cowpen Daisy	Verbesina	encelioides	Aster	To 5'	Open areas	Sp	S	F		Spicebush Swallowtail	Swallowtail
H-P	N	Frostweed	Verbesina	virginica	Aster	To 6'	Shade/sun, loamy soils, erect			F		Great Purple Hairstreak	Hairstreak
H-P	N	Frostweed	Verbesina	virginica	Aster	To 6'	Shade/sun, loamy soils, erect			F		Monarch	Milkweed
H-P	N	Frostweed	Verbesina	virginica	Aster	To 6'	Shade/sun, loamy soils, erect			F		Pipevine Swallowtail	Swallowtail
H-P	N	Woolly Ironweed	Vernonia	lindheimeri	Aster	10-30"	Dry caliche or limestone slopes		S	F		Great Purple Hairstreak	Hairstreak
H-P	N	Goldeneye	Viguiera	dentata	Aster	To 6'	Full sun, dry caliche			F		Bordered Patch	Brushfoots
H-P	N	Goldeneye	Viguiera	dentata	Aster	To 6'	Full sun, dry caliche			F		Gulf Fritillary	Brushfoots
H-P	N	Goldeneye	Viguiera	dentata	Aster	To 6'	Full sun, dry caliche			F		Texan Crescent	Brushfoots
H-P	N	Goldeneye	Viguiera	dentata	Aster	To 6'	Full sun, dry caliche			F		Great Purple Hairstreak	Hairstreak
H-P	N	Goldeneye	Viguiera	dentata	Aster	To 6'	Full sun, dry caliche			F		Zebra Heliconian	Longwings
H-P	N	Goldeneye	Viguiera	dentata	Aster	To 6'	Full sun, dry caliche			F		Monarch	Milkweed
H-P	N	Goldeneye	Viguiera	dentata	Aster	To 6'	Full sun, dry caliche			F		Large Wood Nymph	Satyr
H-P	N	Goldeneye	Viguiera	dentata	Aster	To 6'	Full sun, dry caliche			F		Cloudless Sulphur	Sulphurs
H-P	N	Zexmenia, Hairy Wedelia	Wedelia	hispid	Aster	To 2 1/2'	Dry, open areas	Sp	S	F		Bordered Patch	Brushfoots
H-P	N	Canna	Canna	sp.	Canna	3 to 6'	Moist areas at water's egde	Sp	S	F		Brazilian Skipper	Skippers