



# MBA Collection of Plant of the Month

- **Past presentations are on Resources page**

– <https://metrobeekeepers.net/this-month-in-the-hive-inspection-checklist/>

- **“Plant of the Month Collection”**
- **Melinda has done a wonderful job!**

Month	Plant(s)	Speaker
Aug 2022	Crinum Lily	Melinda
Oct 2022	Marigold, Scarlet Sage/Salvia	Melinda
Jan 2023	Winter Jasmine	Melinda
Feb 2023	Daffodil, Candytuft	Melinda
Mar 2023	Texas Kidneywood (Rock or Bee Brush)	Cindi
Apr 2023	Black Foot Daisy, White Autumn Sage	Melinda
May 2023	Indian Blanket, Engelmann Daisy	Melinda
Jun 2023	Lantana, Texas Lilac	Melinda
Aug 2023	Globe Amaranth, Butterfly weed	Melinda
Oct 2023	Joe Pye Weed, Aster	Melinda
Mar 2024	Nasturtium, Mexican Mint Marigold	Melinda
Apr 2024	Snap Dragon, Iris	Melinda
May 2024	Gregg's Salvia	Russ



# Floral Adventures

(And Other Exploits)

From The  
Foragers Of  
'Bee'opatra  
And  
'Bee'fertiti

August 2022

Melinda Wahl





Crinums have thrived hundreds of years at abandoned home sites

## CRINUM LILY

- Classic southern sun perennial, flowers late June - early August
- Giant clumps of bold, tropical, lily-like foliage make an imposing architectural statement in the garden
- Pink-to-white trumpet-like flowers ...usually fragrant...member of Amaryllis family

Think of crinum  
lilies as a  
horticultural IRA for  
your grandkids to



## WHERE DO THEY GROW

- Extremely adaptable...dry or boggy soils
- Divide and in fall or spring, plant tubular bulbs just under the soil
- Blooms best with water and full or partial sun.
- May go dormant in winter – just cut them back and don't worry if the stems become soggy

- **The entire plant is toxic, but especially the bulb.**
- Crinum lily contains a variety of alkaloids which the human body cannot tolerate.
- Thankfully, most of the toxicity is caused by eating the plant.
- Wear gloves to avoid getting plant juices on your skin, as you may experience swelling or other problems.
- The entire genus can be deadly to cats, while symptoms range from mild to moderate for dogs and humans.



## 60,000 Bees Helped Create This Nefertiti Statue

- **Tomáš Libertíny** - Slovakian artist currently in the Netherlands
- **All-natural creation made by bees, with a little structural guidance**
  - Designed and built a 3D frame of a Nefertiti bust
  - Employed some bees to start building a honeycomb around it



- **It took 2 years to complete**
- Set up in early 2019 as a live installation - visitors could see it being built by bees in real time
- Finished at the end of 2020
- Shown in the Rademakers Gallery in Amsterdam





# Floral Adventures

(And Other Exploits)

From The  
Foragers Of  
'*Bee*'opatra  
And  
'*Bee*'fertiti

October 2022  
Melinda Wahl





## MARIGOLDS

- Marigolds – grown from seed – straight in the ground in July

## SCARLET SAGE/SALVIA

- Scarlet sage/salvia – nursery plant just transplanted in late September





## PREPARING A MEADOW

- Site characteristics
  - 6 hours direct sun
  - uncompacted well drained soil (no need to fertilize but consider expanded shale for drainage)
  - square or rectangle –
    - at least 3 ft x 2 ft or larger –
    - mine is 18 ft x 20 ft

1. Remove existing grass & till (if repetitive, reduces weeds)
2. Late Oct - Soak seeds warm water 6 hrs and scatter
3. Nov / Dec / Jan - Keep moist consider 1 inch water per wk

**Expert Tip:** Cutting weeds with scissors is best practice – snip stems at soil surface each week

## CHOOSING A SEED MIX

I am going to try a mix of spring, summer, fall blooms:  
Texas Bluebonnet, Indian Blanket, Cutleaf Daisy,  
Gayfeather, GoldenWave, Lanceleaf Coreopsis,  
Lemon Mint, Standing Cypress

Next year, hopefully, I will NOT be tilling, as some of these are perennials – others come back from seed.

My seed source – Native American Seed

[www.seedsource.com](http://www.seedsource.com) – 325 446 3600

Guidance on how much  
seed type /size of meadow

Expert Tip:

Ask about scarified seeds





## TELLING THE BEES

According to tradition or myth

To prevent bad luck, a crucial part of keeping bees is to *inform them of all deaths, weddings, births* that happen on the estate or area immediately surrounding their bee hives



## Royal beehives of Buckingham Palace and Clarence House

Royal Beekeeper, John Chapple, called into service after Queen Elizabeth II's passing.

Black ribbons around hives.







# Floral Adventures

(And Other Exploits)

From The  
Foragers Of  
*‘Bee’opatra*  
And  
*‘Bee’fertiti*

January 2023  
Melinda Wahl





## WINTER JASMINE

slender, deciduous viney shrub –

- bright yellow blooms in January / February
- drought / freeze tolerant
- full sun / part shade
- any soil conditions



## MEADOW IN JANUARY

- Lots of new growth - numerous sprouts identified
  - Blue Bonnet sprouts – light green w/ 5 pointed leaves
  - Cutleaf Daisies – long leaves with jagged edges – no flowers first year



## GARDEN CHORES FOR JANUARY

- Maintain garden tools
- Plan your garden year
- Start early spring vegetable seeds indoors – carrots, radishes, beets, cabbage, swiss chard, lettuce, onions, parsley, peas
- Order potatoes for planting in March
- And remember – always water before a freeze!





## Venison, Honey and the Wild West

Cowboys ate jerky because it could be stored for extended periods – but it was often tough, hard, and difficult to eat.

Honey was sometimes used to soften the jerky, making it easier to eat, as well as providing a tasty alternative.



# Floral Adventures

(And Other Exploits)

From The  
Foragers Of  
'*Bee*'opatra  
And (the late)  
'*Bee*'fertiti

February 2023

Melinda Wahl



## DAFFODILS

Perennial bulbs – aka Narcissus–

- Yellow/white/orange
- Full sun / part shade
- Moist soil



## CANDYTUFT

Perennial evergreen

- Full sun
- Drought tolerant – needs water to be established



## MEADOW IN FEBRUARY



Not a lot has visibly changed since last month  
– but lots of underground growth of roots

# GARDEN CHORES FOR FEBRUARY



Nature's Creation

- Amend soil as needed with lava/sand etc. for our hard clay; beneficial micro-organisms; cow manure
- Raised bed preparation – layers of cardboard or garden fabric topped with at least 18 inches of garden soil and compost
- Treat for fire ants (Tempo 1% Dust)
- Continue planning your garden year

Bee My Valentine!

## Saint Valentine- Patron Saint Of Beekeepers And Lovers



Legend - Roman Emperor in the 3<sup>rd</sup> Century  
banned marriages – single men = better warriors

Valentine secretly performed marriages - and so  
he came to be known as defender of love....

St. Valentine was also a beekeeper –

Beekeepers came to symbolize  
love and the protection  
of marriage and family.



# Plant of the Month-March

## Texas Kidneywood, AKA Rock Brush, AKA Bee Brush





# Texas Kidneywood, AKA Rock Brush, AKA Bee Brush

*Eysenhardtia texana*

Family: Fabaceae (Leguminosae-Pea)

- **Open, airy medium to large shrub (10 feet High x 8 feet Wide)**
- **Attractive when pruned into a small tree**
- **Native to Texas**-grows wild in rocky limestone soils from the Rio Grande Plains to the Edwards Plateau and Trans-Pecos.
- **Family:** Same as Acacias (Huisache) and Mimosas, but without thorns
- **Deciduous**-sheds its leaves annually
- **Exposure:** full sun/partial sun
- **Heat Tolerance:** very high
- **Water Requirements:** very drought tolerant once established
- **Soil Requirements:** neutral/alkaline
- **USDA Hardiness Zone:** 8

Source: <https://aggiehort.tamu.edu/ornamentals/nativeshrubs/eysenhardtiatexan.htm>





# Texas Kidneywood, AKA Rock Brush, AKA Bee Brush

*Eysenhardtia texana*

Family: Fabaceae (Leguminosae-Pea)

- **Blooming Period:** Spring/Summer/Fall (all the way into September)
- **Spikes of fragrant white flowers and lacy compound leaves (have a tangerine scent when crushed)**
- **Flower Color:** white

<https://aggie-hort.tamu.edu/ornamentals/nativeshrubs/eysenhardtiatexan.htm>





# Texas Kidneywood, AKA Rock Brush, AKA Bee Brush

*Eysenhardtia texana*

Family: Fabaceae (Leguminosae-Pea)

- Attractive to bees, butterflies and deer

<https://aggie-hort.tamu.edu/ornamentals/nativeshrubs/eysenhardtiatexan.htm>





# Kidneywood-Human Medicinal Uses

- **Mexican species *Eysenhardtia polystachya*** used medicinally for centuries and was well known to the indigenous peoples of Mexico and parts of Central America
- The Spaniards were the first Europeans to take this plant to their homeland where it quickly became very popular for the treatment of various urinary tract diseases (Martínez, 1989).
- **In Mexico, the wood is either placed in water and taken as a cold tea or the branches and leaves are decocted (boiled) in water.** When the wood chips are steeped in cold water for a few hours, they confer a blue hue to the water (hence one of its popular names in Spanish, **palo azul** or “blue stick”). Used for urinary infections, to improve urine flow (diuretic), against kidney inflammation (nephritis) and pain, against kidney stones, to lower fevers, to treat stomach problems (colics), and as a general tonic (Jiménez, 2011; Mendoza-Castelán and Lugo-Pérez, 2011; Salinas-Hernández et al., 2008; Martínez, 1989).
- **The tea is added to the water for livestock and poultry to drink in order to prevent disease** (Jiménez, 2011; Martínez, 1989).
- **The leaves of *E. texana* (Texas kidneywood) are macerated (soaked) in water and the cold tea is drunk to relieve kidney problems** (Quattrocchi, 2012)

Source: <https://www.utep.edu/herbal-safety/herbal-facts/herbal%20facts%20sheet/kidneywood.html>



# Kidneywood-Medicinal Uses



## KIDNEY WOOD TEA HEALTH BENEFITS

1  
Alleviates urinary  
tract pain

2  
Improve insulin  
sensitivity

3  
Anti-viral

4  
Lowers cholesterol

5  
Improving mental  
health

10  
Protecting kidney  
health

9  
Reducing  
inflammation

8  
Weight loss

7  
Treating digestive  
upset

6  
Preventing chronic  
diseases



FDA Disclaimer: This statements have not been evaluated by the Food & Drug Administration. This product are not intended to diagnose, treat, cure or prevent any disease.



# Human Studies on Kidneywood

- **Inflammation:** A study by Gutiérrez and Báez (2014) using diabetic mice showed that a kidneywood methanol-water extract possessed considerable antioxidant activity against free radicals or reactive oxygen species (ROS) that cause oxidative stress and inflammation. Additionally, the plant compounds showed anti-glycation, liver -protective and hypoglycemic (lower blood sugar levels) actions that could be potentially beneficial against type 2 diabetes.
- **Antibacterial & Oral Health:** An ethnobotanical study of ethanol extracts obtained from various medicinal plants used in the Mexican traditional medicine to treat oral bacterial diseases showed that kidneywood was among those that exhibited the highest in vitro inhibitory effect against the bacterial species *Streptococcus mutans* and *Porphyromonas gingivalis* (Rosas-Piñón et al., 2012).

Source: <https://www.utep.edu/herbal-safety/herbal-facts/herbal%20facts%20sheet/kidneywood.html>



# Animal Studies on Kidneywood

- A 2015 study evaluated the in vitro **acaricidal (tick-killing)** effect of two types of compounds known as coatlines and matlalines, extracted from kidneywood. The results of the study showed that the acaricidal activity of matlalines against both larvae as well as adults was more much more efficient compared to the coatlines. The authors concluded that **some of the kidneywood compounds show promise against certain species of cattle ticks**, such as *Rhipicephalus (Boophilus) microplus*, for example (Gutiérrez et al., 2015).
- **Experimental planting as part of IPM for mite control?**





# Bee Application-IPM for Varroa mites?



Acaricides kill  
Subclass Acari:  
ticks and mites



wha  
t  
if?

## Scientific classification

Kingdom:	<a href="#">Animalia</a>
Phylum:	<a href="#">Arthropoda</a>
Subphylum:	<a href="#">Chelicerata</a>
Class:	<a href="#">Arachnida</a>
Subclass	<b>Acari</b>
Order:	<a href="#">Mesostigmata</a>
Family:	<a href="#">Varroidae</a>
Genus:	<a href="#">Varroa</a>
Species:	<b><i>V. destructor</i></b>

## Binomial name

***Varroa destructor***

Anderson & Trueman, 2000<sup>11</sup>



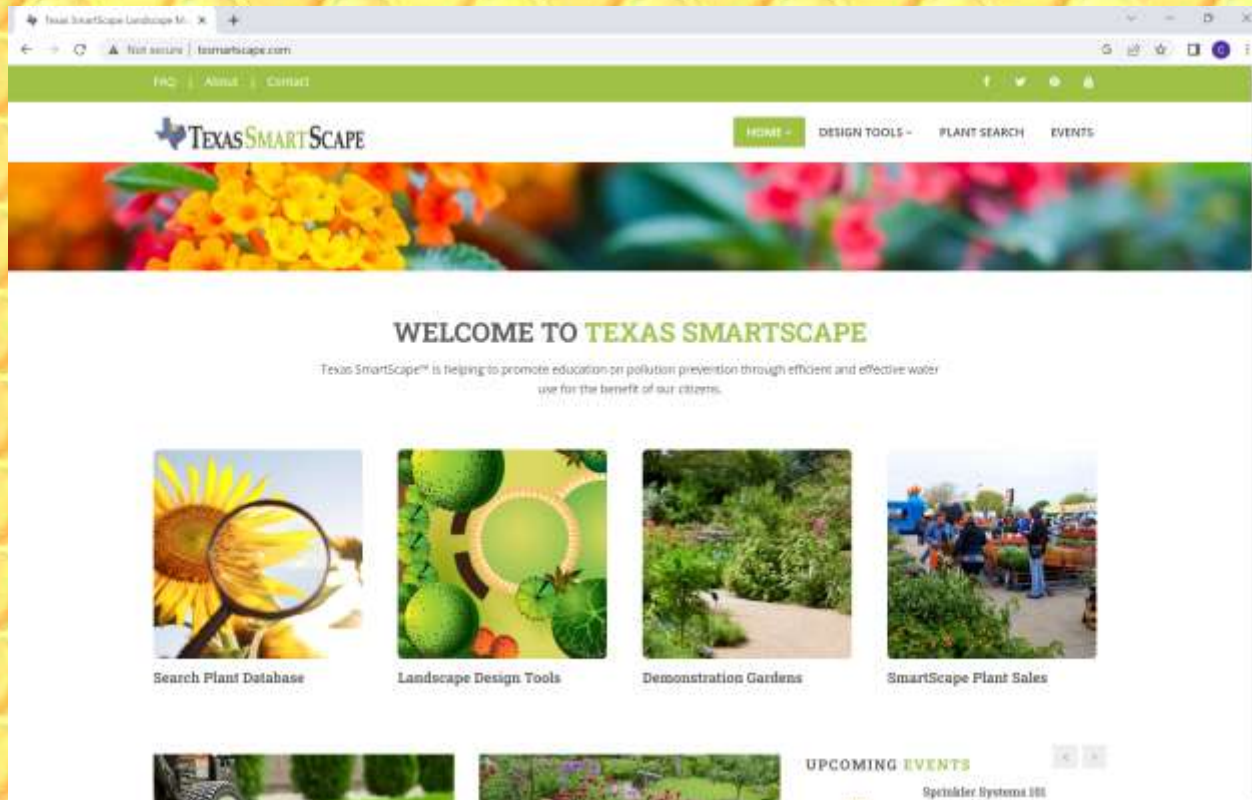
# Sources of Kidneywood





# How to Find Bee Friendly Plants

## Texas SmartScape



# Texas Smartscape

Search The Native Texas Plant | x

Not secure | texsmartscape.com/plant-search/index.php

**TEXAS SMARTSCAPE** HOME ▾ DESIGN TOOLS ▾ PLANT SEARCH EVENTS

## PLANT DATABASE SEARCH

Search our database of Texas Smartscape plants. Not sure what these parameters mean? [Learn more ▾](#)

Region:

Plant Type:

Light Requirement:

Water Demand:

Landscape Use:

Ornamental Color:

Native or Adapted:

Wildlife Value:

Season:

Deciduous or Evergreen:

Plant Form:

Plant Spread (ft.)  
Min:  Max:

Plant Height (ft.)  
Min:  Max:

- AND / OR -

Enter part or all of a plant's common name or botanical name (e.g., lily):





# Floral Adventures

(And Other Exploits)

From The  
Foragers Of  
'*Bee*'opatra  
And (the late)  
'*Bee*'fertiti

April 2023  
Melinda Wahl



## **BLACK FOOT DAISY**

Herbaceous Perennial

- Found on limestone
- Full sun
- Drought tolerant



## **WHITE AUTUMN SAGE**

Perennial semi-woody dwarf

- Full sun
- Drought tolerant – needs water to be established



## MEADOW IN APRIL



Blue bonnets in full bloom.  
Next up – bee balm, cosmos, sunflowers and  
more

## EASTER TRADITIONS AND BEES

### **Ukranian Easter Egg – Pysanky - protection for bees!**

A pysanky was placed beneath each bee hive at Easter to protect it from evil spirits and insure good production of honey

**A German superstition** “It is said that no bee will fly away the whole year, and that they will settle low down when they swarm if they are fed on Maundy Thursday (Holy Thursday) before sunrise with food mixed with some earth thrown up by a mole the previous night.



**Germans say:  
SAVE THE MOLES!**





# Floral Adventures

(And Other Exploits)

From The  
Foragers Of  
'*Bee'opatra*  
And  
'*Bee'fertiti II*

May 2023  
Melinda Wahl



## INDIAN BLANKET

Perennial, native  
Full sun  
Drought tolerant

They are both as beautiful in a meadow as they are in a more formal landscaped or garden.



## ENGELMANN DAISY

Perennial, native  
Full sun  
Drought tolerant



## MEADOW IN MAY



Blue bonnets fading, Indian blankets & cutleaf daisies blooming  
Next up – bee balm, cosmos, sunflowers and more

# BEEES ARE AMAZING!

A beekeeper forgot to put the frames back in the hive, so the bees built this themselves. It takes into account airflow and temperature regulation.

**REALLY?**

**YOU BE THE JUDGE**







# Floral Adventures

(And Other Exploits)

From The  
Foragers Of

‘*Bee*’opatra II

And

‘*Bee*’fertiti II

June 2023

Melinda Wahl



## **LANTANA**

Perennial, native, bloom all summer  
Full sun, drought tolerant  
Die back in winter, cut to near  
ground – will explode in summer  
to several feet around



## **TEXAS LILAC**

Perennial, native  
Full sun, drought tolerant  
Short bloom cycle  
Manage shoots of growth



## MEADOW IN JUNE



Indian blankets are fading –  
Bee balm, cosmos, black eyed susan in full bloom –  
Next up – sunflowers and cosmos while meadow goes to seed

## GARDENING IN JUNE

**Going to seed** - When annual wildflowers begin to fade in your meadow, it's tempting to want to clear the brown patches – BUT WAIT!!!! **Let it sit until September.**

**What to plant** – It's not the best time – but there are options – you can still scatter cosmos, zennias, poppies, and cornflowers

**Water** – as we move into the summer heat, pray for rain, and keep new draught tolerant plantings watered

**Planning** – get out the gardening books and plan your garden now; take a class on composting or garden design



# BEEES in WARZONES!

## Poisonous honey

- 1000 Pompei troops discovered cache of honey
- Soon afflicted with delirium and seizures
- Quickly attacked – their enemy had baited them
- Rhododendron and Azalea

## Catapulting Beehives

Romans, 12<sup>th</sup> Century crusades  
Civil War, WWI and WWII,  
Vietnam, etc





# Floral Adventures

(And Other Exploits)

From The  
Foragers Of  
'*Bee*'opatra II  
And  
'*Bee*'fertiti II

August 2023  
Melinda Wahl



## **GLOBE AMARANTH**



Perennial/annual – pink, white, orange; any soil; blooms summer/fall

Full/partial sun, water every 7 days  
Die back in winter, may come back if winter not too cold; cut to ground



## **BUTTERFLY WEED**

Perennial, native – orange, yellow; any soil; blooms summer

Full sun, water every 7 days; young plants need a little more water

## GARDENING IN AUGUST

**Going to seed** - When annual wildflowers begin to fade in your meadow, it's tempting to want to clear the brown patches – BUT WAIT!!!! **Let it sit until September.**

**What to plant** –start fall seedlings, keep on the porch for later transplant – mums, swiss chard, okra, pumpkin

**Water** – as we continue in the summer heat, pray for rain, and keep new draught tolerant plantings watered

**Planning** – get out the gardening books and plan your garden now; take a class on composting or garden design



# BEES in 107 Degrees!



## Self-destructing Male Worker Bees

Thought sweating on a  
hot day was  
uncomfortable?

Intense heatwaves  
cause male worker  
bees to die from shock  
in an apocalyptic love  
explosion...



# Floral Adventures

(And Other Exploits)

From The  
Foragers Of  
'Bee'opatra II  
And  
'Bee'fertiti II

October 2023  
Melinda Wahl





## **JOE PYE WEED**

Perennial, related to chrysanthemum

Blooms in the fall

Full sun, needs fertile soil and water

Grows 3 to 6 feet or taller



## **ASTER**

Perennial, cold hardy

Bloom late summer to fall

Grows 1 to 3 feet

Full sun, dry to medium moisture



## PREPARING A MEADOW

- Site characteristics
  - 6 hours direct sun
  - uncompacted well drained soil (consider expanded shale)
  - Square/rectangle –  
3 ft x 2 ft – mine is 18 ft x 20 ft
- Remove existing grass Sept/Oct
- Consider whether to till
- Late Oct - Soak seeds warm water 6 hrs and scatter
- Nov / Dec / Jan – Keep moist





## CHOOSING A SEED MIX

Try a mix of spring, summer blooms:

**Spring** – Cutleaf Daisy, Texas  
Bluebonnet, Indian Blanket

**Summer** - Black eyed Susan, Cosmos,  
BeeBalm, Sunflowers



My seed source – **Native American Seed**  
[www.seedsource.com](http://www.seedsource.com) – 325 446 3600

Guidance on how much seed type /size  
of meadow

**Expert Tip:** Ask about scarified seeds

# BEES playing Football!

**Did you know bees can learn to play soccer?**

- Bees memorize a lot
- They can count, recognize points of interest, learn, teach each other and improve

<https://www.youtube.com/watch?v=FH6LqGP-Zdg&t=9s>

[https://www.youtube.com/watch?v=ToZDCo51c\\_I&t=7s](https://www.youtube.com/watch?v=ToZDCo51c_I&t=7s)







# Floral Adventures

(And Other Exploits)

From The  
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'*Bee*'opatra II  
And  
'*Bee*'fertiti II

March 2024  
Melinda Wahl



## NASTURTIIUM

Annual, full sun, drought tolerant

Bloom in May/June

Climbing, cascading or bushy

Yellow, Orange, Red, White, Pink

The whole plant is edible –



## MEXICAN MINT MARIGOLD

Perennial, well adapted to Texas

Full/part sun, drought tolerant

Bloom in late summer; leaves taste like tarragon, scent like anise/licorice

Weekly deep watering, good drainage



# GARDENING IN MARCH

**Beds** – Clear out old leaves and dead plants from winter freeze, add compost and other additives before planting

**What to plant –**

tomatoes, peppers – plan to harvest before summer heat

herbs – dill, basil, oregano

perennials, bushes, trees

**Water** – check your water systems and repair as needed;  
watch the forecast – supplement water for rain as needed

## MEADOW IN MARCH



My first bluebonnet bloomed Feb 28



# BEES Up Close!

Picture of the face of a bee taken with a high resolution camera.

The eyes look like they are made of carbon fiber!





# Floral Adventures

(And Other Exploits)

From The  
Foragers Of

*‘Bee’opatra III*

And

*‘Bee’fertiti III*

April 2024  
Melinda Wahl





## **SNAP DRAGON**

Annual or can be perennial

Full sun, drought tolerant

Bloom in fall and spring

Pink, Orange, Red, White, Yellow

Two colors helps bees pollinate



## **IRIS**

Perennial, well adapted to Texas

Full/part sun, drought tolerant

Bloom in Spring – Different colors will  
lengthen blooming season

Cut back in fall and thin when needed

## GARDENING IN APRIL

**Beds** – apply mulch to suppress weeds and retain moisture; deadhead spent spring blooms frequently to encourage continuous blooming

### **What to plant – direct seed**

**corn, beans okra, radishes** – harvest early summer

**sunflowers, zinnias cosmos** – bloom in the summer

Keep soil evenly moist until germination, water gently

Once seedlings have first set of true leaves, thin to final spacing on package

**Water** – check your water systems and repair as needed; watch the forecast – supplement water for rain as needed



## MEADOW IN APRIL

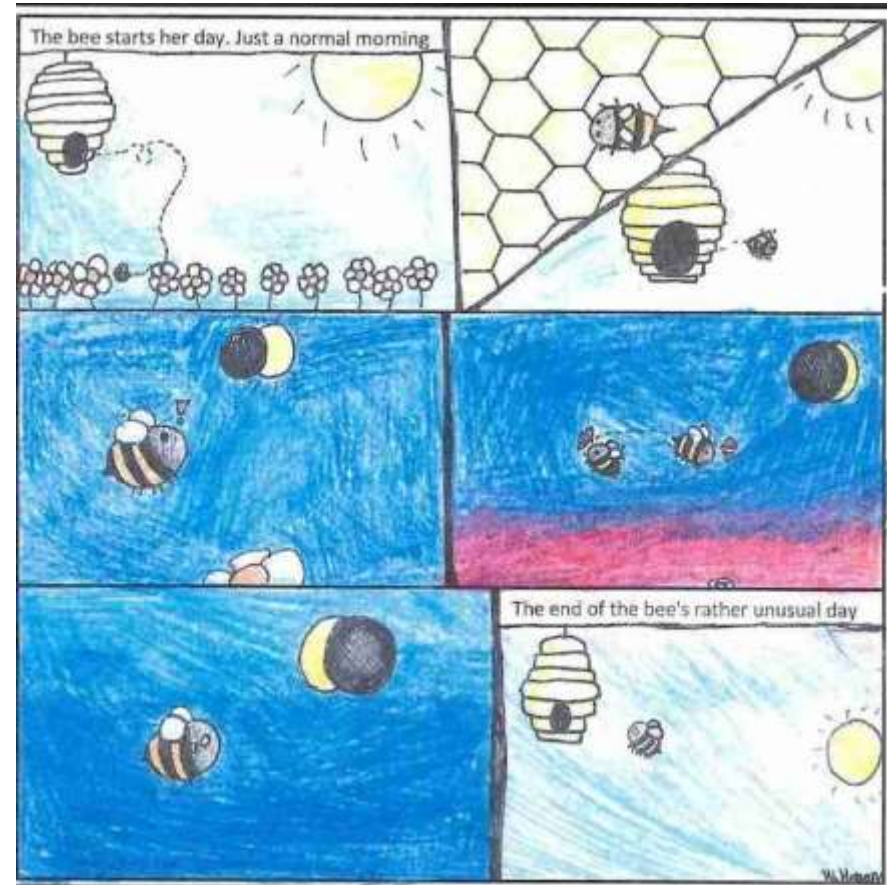


Bluebonnets, butter cups, cowcockle, blue flax in bloom; Black eyed susan, bee balm, sunflowers, Indian blankets establishing

# BEEES During an Eclipse!

2017 Eclipse – tiny microphones set among flowers and in hives

When the sun is hidden, many bees return to hive, others just stop on a flower to wait in confusion





# Plant of the Month May 2024



**METRO BEEKEEPERS**



# Gregg's Salvia, aka Autumn Sage

- **Bees love them**
- **Starting to bloom**
- **Easy to grow**
- **Plant now & bloom all summer**
- **Don't have to re-plant each year**

Attracts	Bees, Butterflies, Hummingbirds
Season	Spring, Summer, Fall
Exposure	Full sun
Water need	Low, Drought tolerant
Heat	Zone 4 to 9 (we're 8.5)
Climate	Zone 8 to 24 (we're 8a)
Type	Shrub
Height, Spread	2 to 3 ft
Soil type	Chalk, Loam, Sand
Drainage	Moist but Well-Drained



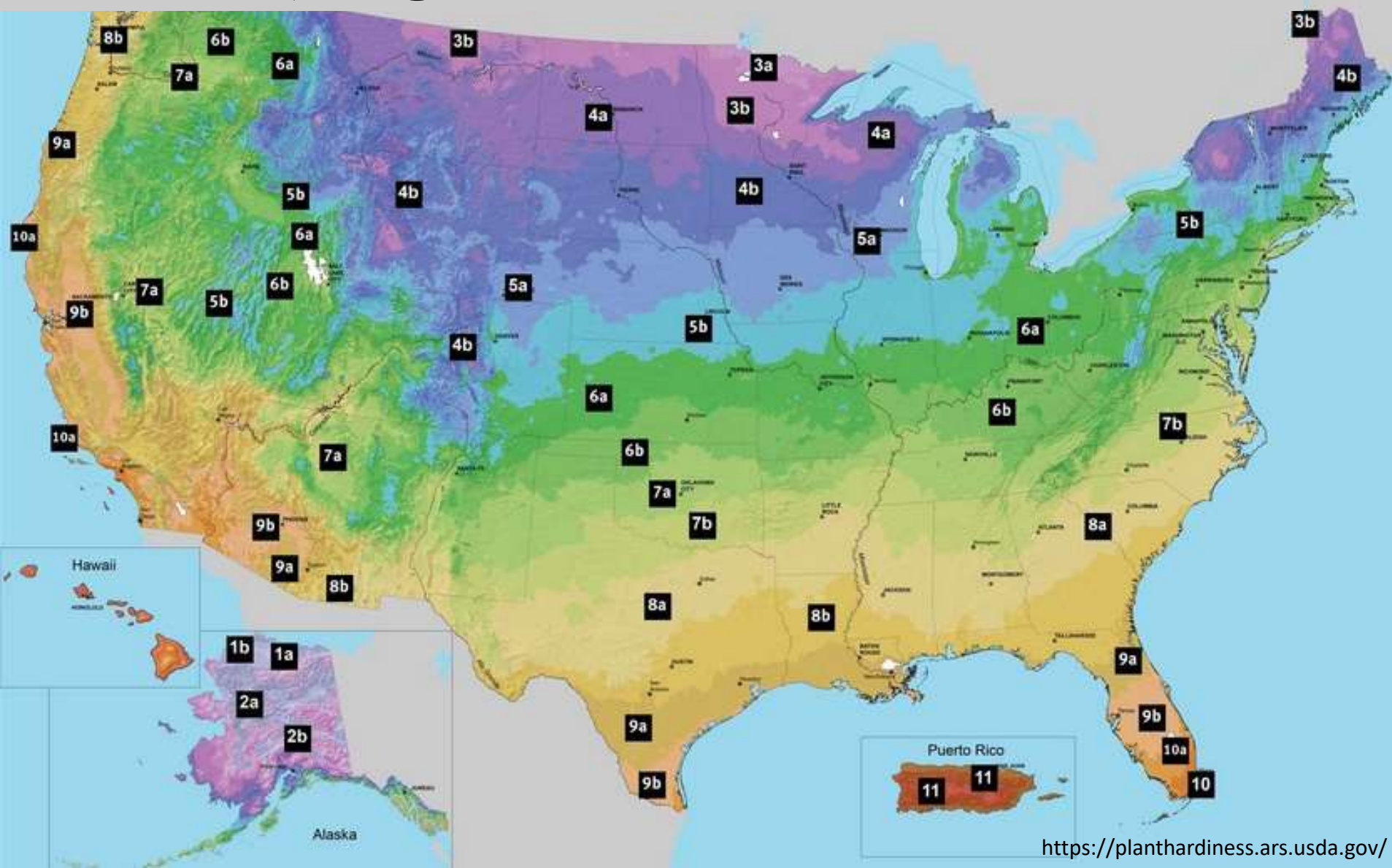
# How Can I Find Plants?

Organization	Notes	Web link
Texas Smart Scape	Select: plant type, size, sun, moisture, annual, pollinators,	<a href="http://txsmartscape.com">txsmartscape.com</a>
Cross Timbers Urban Forestry Council	Native Plants of the Cross Timbers Eco Region	<a href="https://ctufo.org/native-plants-of-the-cross-timbers/">https://ctufo.org/native-plants-of-the-cross-timbers/</a>
Native Plant Society of Texas	North Central Texas pdf	<a href="https://www.npsot.org/chapters/cross-timbers/plants-for-cross-timbers/">https://www.npsot.org/chapters/cross-timbers/plants-for-cross-timbers/</a>
Xerces Society	Southern Plains pdf	<a href="http://www.xerces.org">www.xerces.org</a>
Texas Parks & Wildlife	Native Insect Pollinators in TX	<a href="https://tpwd.texas.gov/wildlife/wildlife-diversity/nongame/native-pollinators-and-private-lands/">https://tpwd.texas.gov/wildlife/wildlife-diversity/nongame/native-pollinators-and-private-lands/</a>
Metro Beekeepers	Collection of presentations, click “Plant of the Month”	<a href="https://metrobeekeepers.net/this-month-in-the-hive-inspection-checklist/">https://metrobeekeepers.net/this-month-in-the-hive-inspection-checklist/</a>
Neighbor	Actually talk to your neighbor	<a href="#">Unknown</a>

• **Share your favorite way to find plants?**

# Plant Hardiness Zones

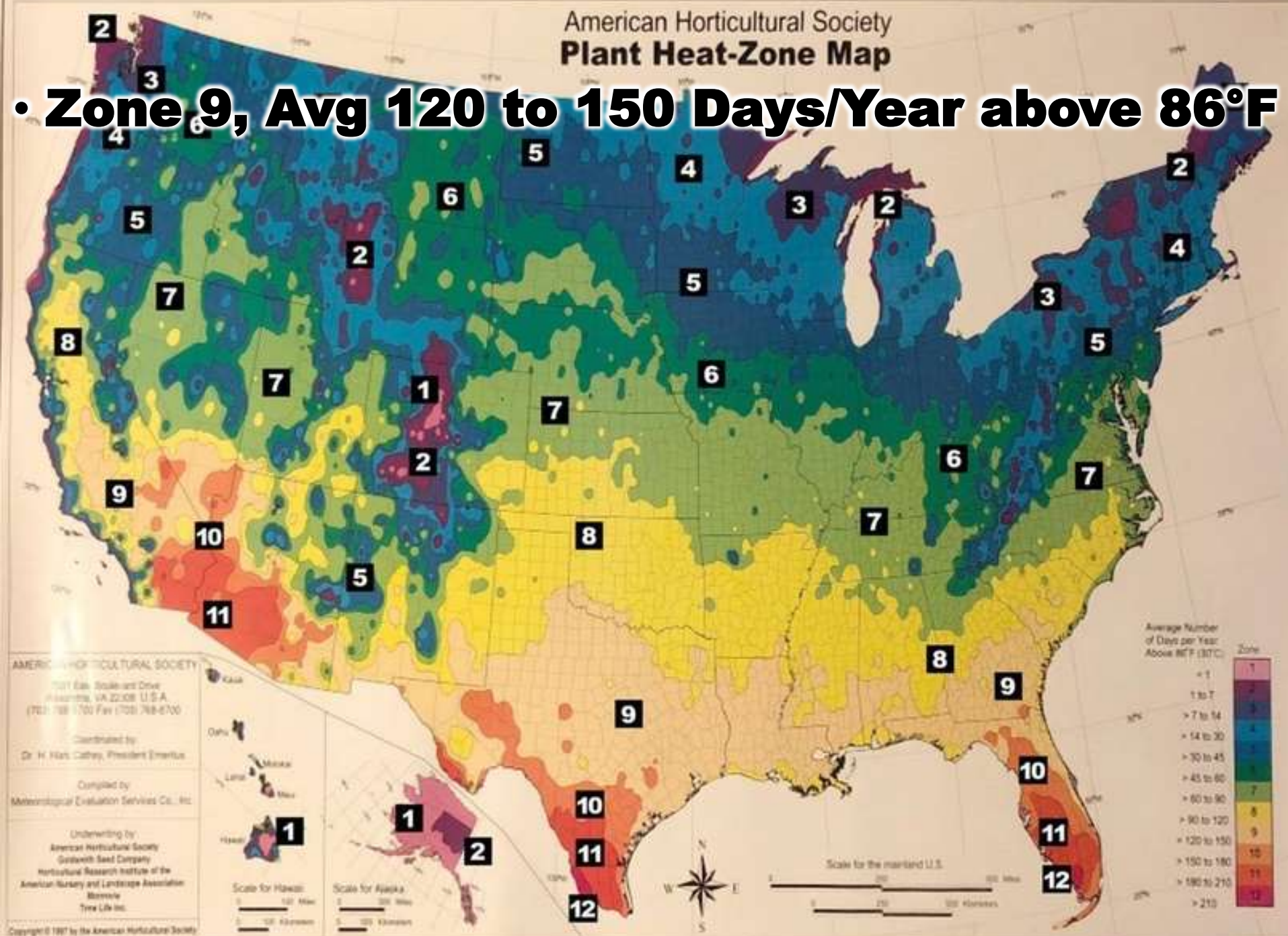
- **Zone 8a, Avg Winter minimum: 10 to 20°F**





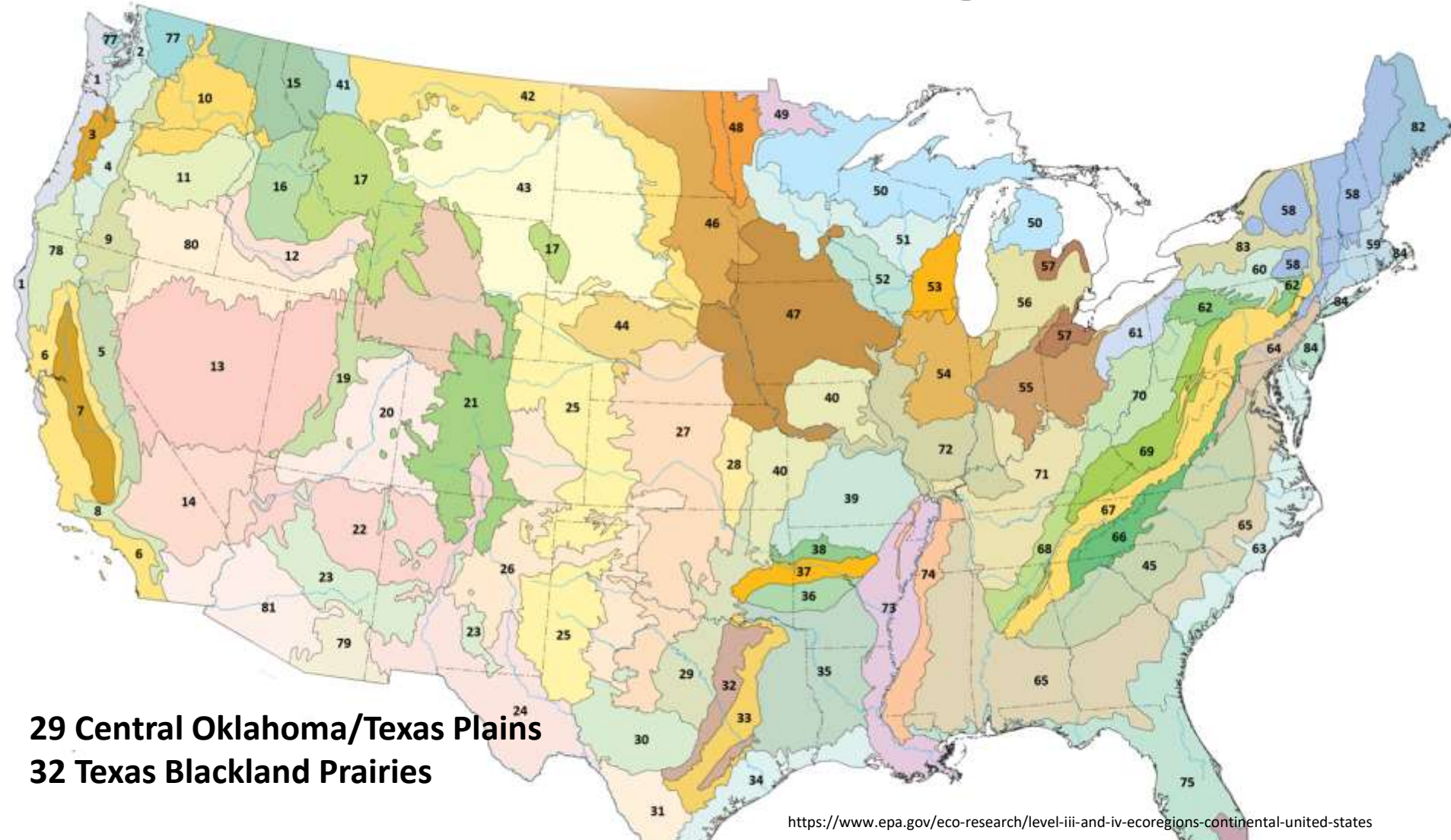
American Horticultural Society  
**Plant Heat-Zone Map**

• **Zone 9, Avg 120 to 150 Days/Year above 86°F**





# Level 3 Eco-Regions



- **Cross Timbers / Blackland boundary is close to Tarrant / Dallas county line**



# Level 4 Eco-Regions, North TX <sup>74</sup>

