

Plant ID and Nutrition of Browse Species

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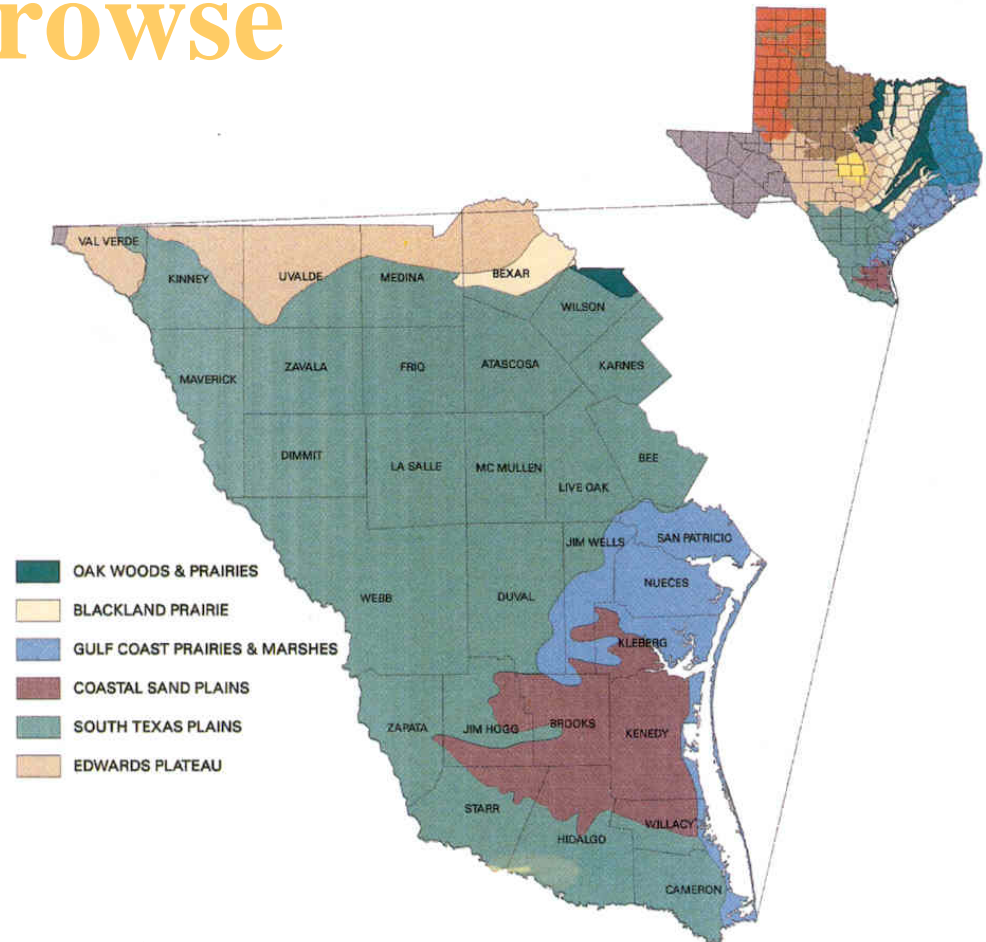


March 7, 2002



Ecoregions of South Texas

Diversity of Browse



- 281 woody plant species
- 32 species of cacti

Nutrition

- All nutritional values listed are from the spring season, usually the highest values of the year.
- Crude Protein (CP) = Total N present in plant, including secondary compounds/chemical defenses.
- In Vitro Digestible Organic Matter (DMD)

White-tailed deer CP requirements

- Minimum for maintenance and growth: 5.7%-9.9%.
- Maximum for optimal fawn growth, gestation, lactation, antler growth: 16%-18%.

First Choice

(High Palatability)

“Ice Cream for Deer”

Cedar Elm



Coma

- **14%-20% CP**

- **45%-50% DMD**



A close-up photograph of a Four-Wing Saltbush plant. The plant has numerous small, green, lanceolate leaves with a slightly serrated edge. Several upright, branched inflorescences are visible, each bearing a dense cluster of small, reddish-brown flowers. The background is a blurred, natural outdoor setting.

Four-Wing Saltbush

- 19%-24% CP

- 62%-63% DMD

Granjeno

Spiny Hackberry

•

22%-28% CP

•

67%-72% DMD



Guayacan

- 18%-26% CP

Ironwood

- 47%-58% DMD



Long: _____ GPS File Name: _____ Date: 2-1-2017

Ranch Name: *Novillos*

a transect of a plant or small group of plants with at least 100 live tips within reach of a deer. Within this...

erent species may be close together, but encounters for the same species must be at least 10 yards apart.

total number of ENCOUNTERS (count number of bites for each encounter)

total number of bites for all encounters. Log bites/100 tips

Species 1-25 below, by species

Use	n	T	1	2	3	6	10	19	20	21	22	23	24	25
			16											
			37	31	30									
			75											
			6	8	11									
			54	69	7									
			24		25									
			22	20										
			61	36										
					84									
			1	2										
			200	600										



Manzanita





Southwest Bernardia

- **15%-20% CP**

Sugar Hackberry



Texas Kidneywood

- 24%-26% CP

- 54%-62% DMD

Vine Ephedra

• 12%-16% CP

• 59%-66% DMD



Second Choice

(Medium Palatability)

A close-up photograph of a Blackbrush plant. The plant has several woody stems with numerous sharp, light-colored thorns. The leaves are small, green, and pinnate. The background is a blurred, dry, grassy field.

Blackbrush

15%-18% CP

34% DMD



Brasil

• 20%-24% CP

• 54%-61% DMD

Catclaw Acacia



• **21%-23% CP**

• **53%-62% DMD**

Cenizo

- 15% CP



Purple Sage

- 63% DMD

A photograph of a Guayillo plant (Prosopis juliflora) showing several long, yellowish-brown seed pods hanging from a branch. The background is filled with dense, green, feathery foliage. The text 'Guayillo' is overlaid in the upper center in a yellow, serif font.

Guayillo

20%-27% CP

46%-49% DMD

A close-up photograph of a Hog Plum branch. The branch is light brown and woody, with several small, green, oval-shaped leaves attached. The leaves have a slightly serrated edge and are arranged in clusters along the branch. The background is a dense thicket of similar branches and leaves, creating a textured, green environment.

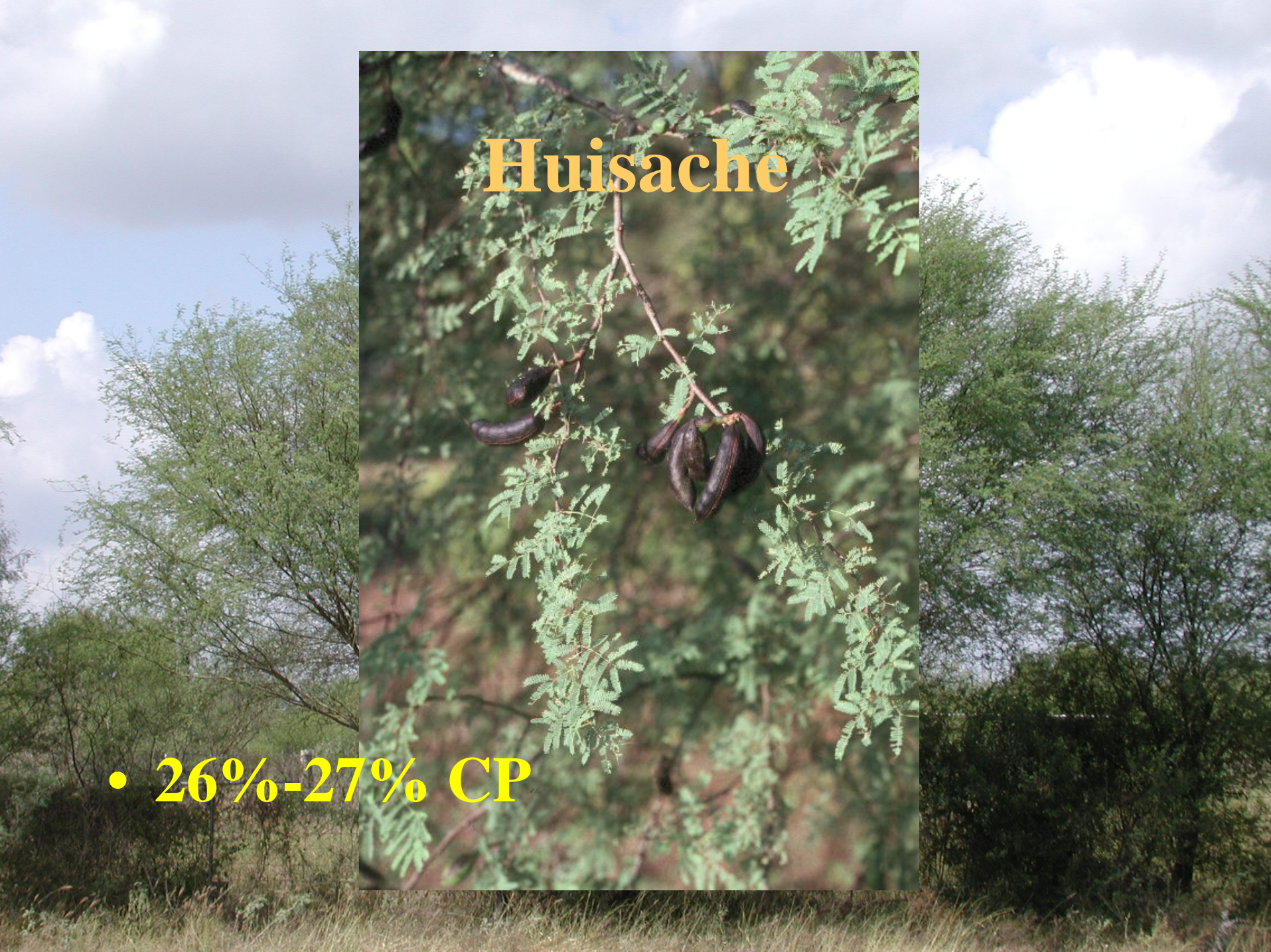
Hog Plum

• 18%-24% CP

• 56% DMD

Huisache

- 26%-27% CP





Colima

Lime Prickly Ash

• **17%-21% CP**

• **56%-63% DMD**



• 18%-24% CP

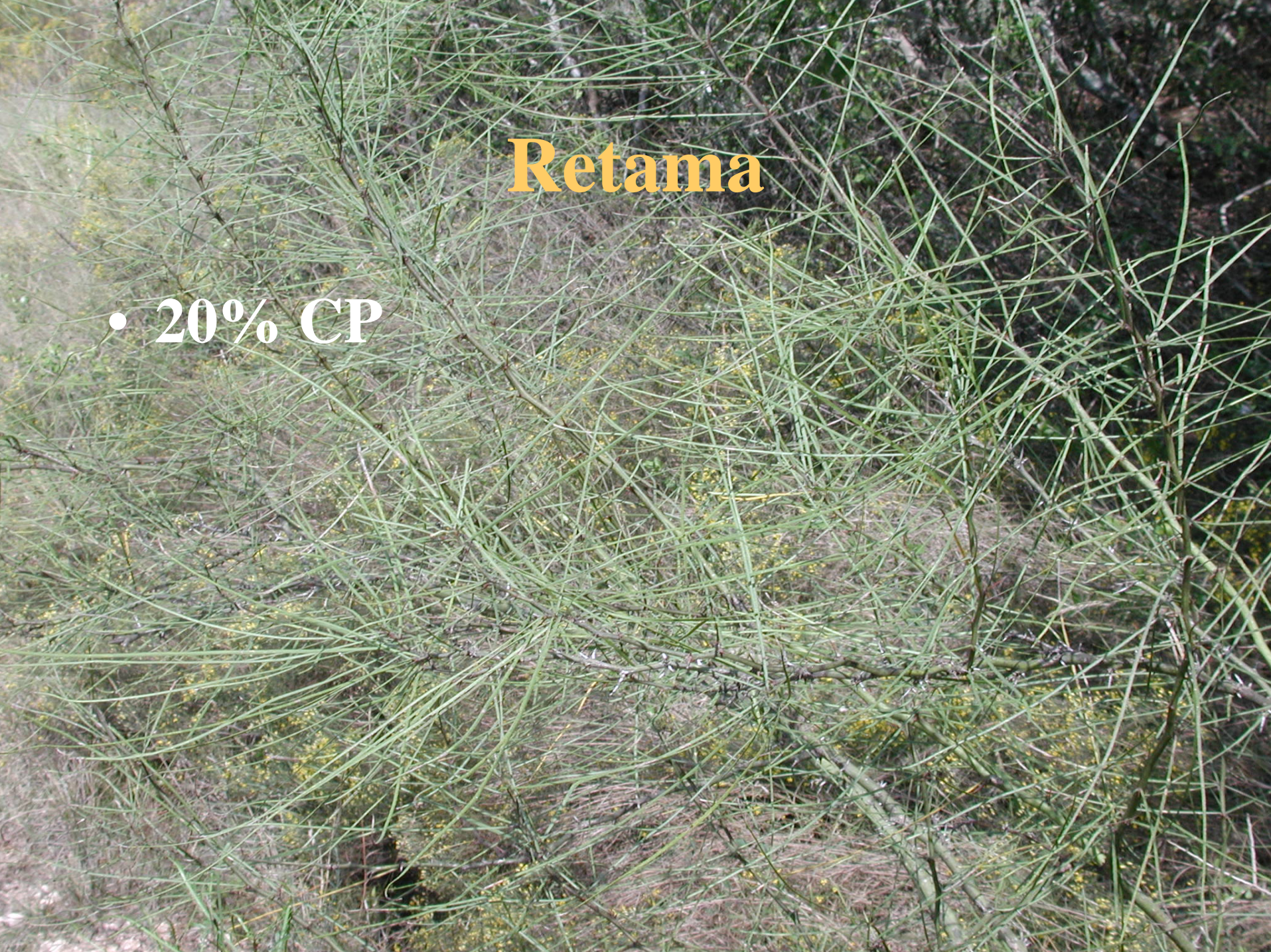


Lotebush

• 48%-59% DMD

Retama

- 20% CP





Tasajillo

• 8% CP

• 63% DMD

Texas Ebony



• **23%-24% CP**

• **57% DMD**

A composite image of a Texas Persimmon plant. The central part is a close-up of a branch with many small, dark green, oval-shaped leaves. To the left is a vertical strip showing the plant in a field with a fence and trees in the background. To the right is another vertical strip showing a different view of the plant's foliage.

Texas Persimmon

• 18% CP

Twisted Acacia

- 17%-22% CP





Desert Yaupon

• 14%-18% CP

• 56%-61% DMD

Third Choice

(Low Palatability)



Agarita

- 13%-20% CP

Amargosa

Goatbush

• 11% CP



Coyotillo



A close-up photograph of a Mountain Laurel plant, showing dense clusters of small, dark green, oval-shaped leaves. The leaves are arranged in opposite pairs along the stems. The background is slightly blurred, showing more of the plant's structure and some brownish ground or other vegetation.

Mountain Laurel

Frijolito

Narrowleaf Forestiera

• 13%-21% CP

• *Elbowbush*

Shrubby Blue Sage



Whitebrush

- 23% CP



Special Cases to Browse Classification

Honey Mesquite

- 23%-32% CP

- 11%-13% Beans



Prickly Pear

- 2%-13% CP

76%-90% DMD





Browsing Pressure











Photo Credits

- Ty Bartoskewitz
- Alan Cain
- Randy Fugate
- Joe Herrera
- Evan McCoy
- Jimmy Rutledge

A landscape photograph showing a wide, flat field of dry, brownish grass in the foreground. In the distance, there is a dark line of trees or bushes. The sky is filled with heavy, grey clouds, with some light breaking through on the left side, creating a soft glow. The word "Questions?" is written in a large, yellow, serif font in the upper right quadrant of the image.

Questions?