

## **SOUTHWEST DISTRICT RULES RANGE PLANT ID**

The Range Plant Identification Contest is made up of plant specimens to be identified by common name. Specimens may be dried, pressed mounts, or fresh. Whole or partial plants will be used as necessary. Participants must also label parts of a plant.

The official plant specimens list will consist of 116 plants listed on the back of scorecard. If a scantron is used DO NOT use the list located on the top. The Southwest District Contest will try to focus on plants commonly found throughout the district for the contest.

Novice Contest Requirements:

1. Identify 20 plant specimens
2. Label parts of a plant

Juniors Contest Requirements:

1. Identify 20 specimens plus plant characteristics
2. Label parts of a plant

3. Contestants will NOT be allowed to talk to each other during the contest. If a contestant does have a question, he/she may raise a hand and ask the superintendent.

4. The ties will be broken consecutively comparing answers to the odd numbered questions on plant identification (1, 3, 5, etc...). If there is still a tie, it will be followed by consecutively comparing answers to the even numbered questions (2, 3, 6, etc...). The tie will be broken at the first identification question where one member has the correct answer and the other incorrect answer.

5. Contestants will have 1 minute to identify each plant and correctly mark their card.

6. References:

- NM FFA

[http://www.nmffa.org/uploads/4/1/0/7/41075673/pasture\\_range\\_rules.pdf](http://www.nmffa.org/uploads/4/1/0/7/41075673/pasture_range_rules.pdf)

<http://www.nmffa.org/cdes.html>

- NM Range Plants, Circular 374

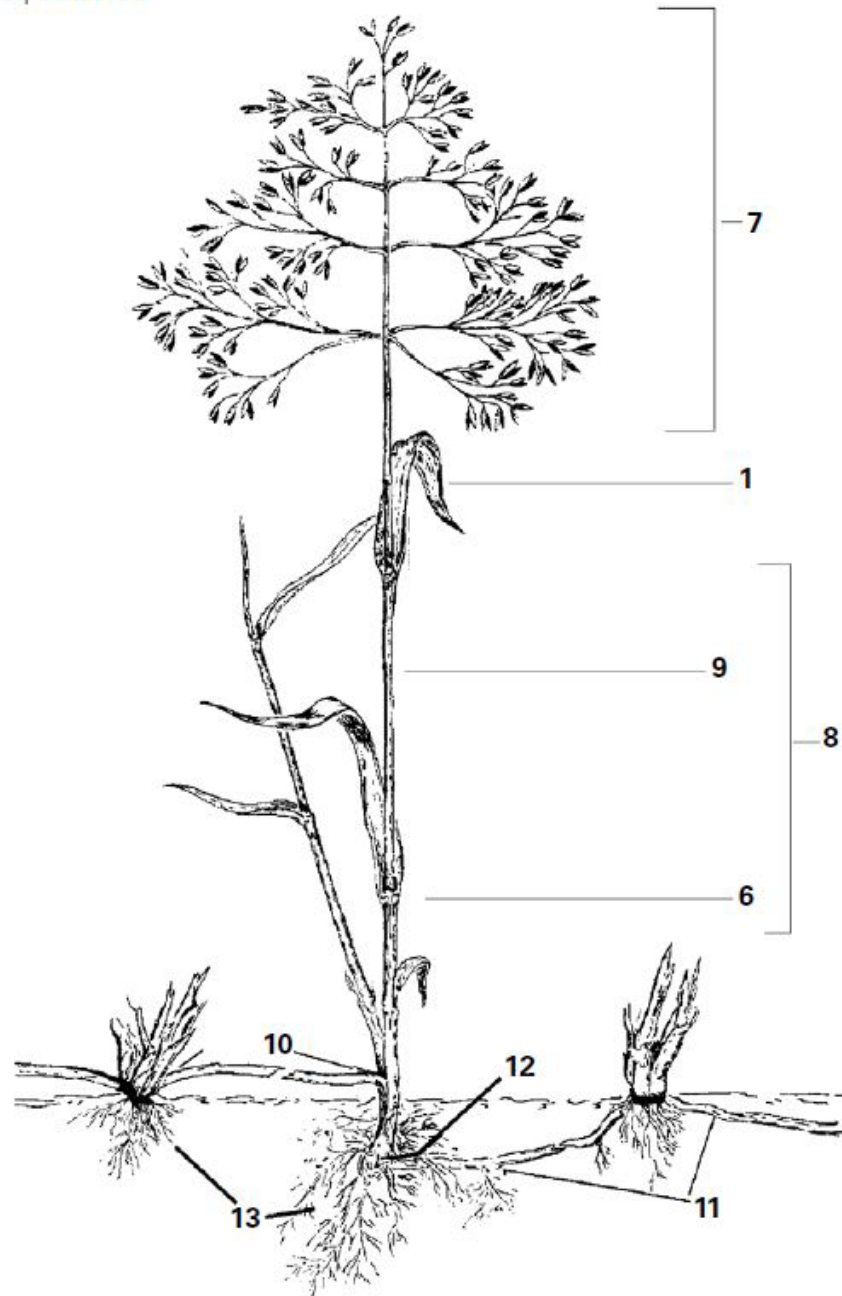
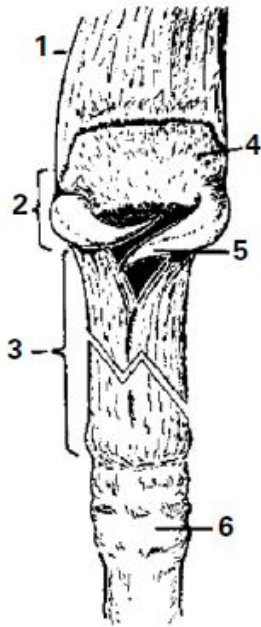
- <https://extension.sdstate.edu/sites/default/files/2020-04/P-00158.pdf>

# Southwest District Contest

## NMSU Range Plant Contest Parts Identification (*Novice & Junior*)

Match the number with the grass part names.

- a. crown \_\_\_\_\_
- b. leaf blade \_\_\_\_\_
- c. node \_\_\_\_\_
- d. rhizome \_\_\_\_\_
- e. collar \_\_\_\_\_
- f. internode \_\_\_\_\_
- g. flower \_\_\_\_\_
- h. auricle \_\_\_\_\_
- i. stolon \_\_\_\_\_
- j. leaf sheath \_\_\_\_\_
- k. ligule \_\_\_\_\_
- l. stem \_\_\_\_\_
- m. roots \_\_\_\_\_



# Southwest District Contest

## NMSU Range Plant Contest Plant Identification (Novice & Junior)

Name \_\_\_\_\_ Number \_\_\_\_\_

County \_\_\_\_\_

Novice & Junior		Junior Only							
#	Plant ID #/Name	Plant Characteristics						Eco. & Resource Rating	
		Perennial	Annual	Cool Season	Warm Season	Native	Introduced	Desirable	Undes.
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

Please write the plant name or corresponding plant number from the list on the back.

## GRASSES

- 1 Indianrice Grass
- 2 Big / Sand Bluestem
- 3 Threeawn
- 4 Pine Dropseed
- 5 Cane Bluestem
- 6 Silver Bluestem
- 7 Six Weeks Grama
- 8 Sideoats Grama
- 9 Black Grama
- 10 Blue Grama
- 11 Hairy Grama
- 12 Feather Fingergrass
- 13 Buffalograss
- 14 Rescuegrass
- 15 Cheatgrass
- 16 Bermudagrass
- 17 Arizona Cottontop
- 18 Desert Saltgrass
- 19 Bottlebrush Squirreltail
- 20 Plains Lovegrass
- 21 Fluffgrass
- 22 Arizona Fescue
- 23 Needle and Thread
- 24 New Mexico Feathergrass
- 25 Green Sprangletop
- 26 Wolfstail
- 27 Mountain Muhly
- 28 Bush Muhly
- 29 Mat Muhly
- 30 Ring Muhly
- 31 Galleta/Tobosa
- 32 Hall's Panic
- 33 Vine Mesquite
- 34 Western Wheatgrass
- 35 Kentucky Bluegrass
- 36 Little Bluestem
- 37 Burrograss
- 38 Plains Bristlegrass
- 39 Johnsongrass
- 40 Indiangrass
- 41 Alkali Sacaton
- 42 Sand Dropseed
- 43 Spike Dropseed
- 44 Mesa Dropseed
- 45 Giant Sacaton
- 46 Gyp Dropseed

## FORBS

- 50 Russian Knapweed
- 51 Western Ragweed
- 52 Pigweed
- 53 Fringed Sagebrush
- 54 Horsetail Milkweed
- 55 Lamb's Quarters
- 56 Croton
- 57 Tansy Mustard
- 58 Filaree
- 59 Texas Blueweed
- 60 Pingue
- 61 Kochia
- 62 Sacahuista
- 63 Locoweed
- 64 Scorpion Weed
- 65 Wooly Indainwheat
- 66 Curly Dock
- 67 Russian Thistle
- 68 Threadleaf Groundsel
- 69 London Rocket
- 70 Silverleaf Nightshade
- 71 Buffalo Bur
- 72 Globemallow
- 73 Puncture Vine
- 74 Desert Holly
- 75 Wild Buckwheat
- 76 Wooly Paperflower
- 77 Spectacle Pod
- 78 Pepperweed

## TREES & SHRUBS

- 79 Big Sagebrush
- 80 Sand Sagebrush
- 81 Four-wing Saltbush
- 82 Shadscale
- 83 True Mountain Mahogany
- 84 Javelinabush
- 85 Cholla
- 86 Feather Dalea
- 87 Long-Leaf Mormon Tea
- 88 Torrey Mormon Tea
- 89 Rubber Rabbitbrush
- 90 Apache Plume
- 91 Barrel Cactus
- 92 Ocotillo
- 93 Broom Snakeweed
- 94 Tarbush
- 95 Juniper
- 96 Allthorn
- 97 Range Ratany
- 98 Winterfat
- 99 Creosotebush
- 100 Algerita
- 01 Prickly Pear
- 02 Mariola
- 03 Pinyon Pine
- 04 Mesquite
- 05 Broom Dalea
- 06 Shinnery Oak
- 07 Gambel Oak
- 08 Skunkbush Sumac
- 09 Salt Cedar
- 010 Yucca
- 011 Littleleaf Sumac
- 012 Rayless Goldenrod
- 013 Desert Willow
- 014 Catclaw Minosa
- 015 Whitethorn Acacia
- 016 Lotebush

LAST NAME										FIRST NAME										
○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B
C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T
U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z

Team #			
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

Code	
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

# Range & Pasture

Form #: 602NM-1

Team Name

Correct Mark ●

Incorrect Marks ☑ ☒ ☓ ☔

## RESOURCE INVENTORY - PRESENT CONDITION

Ecological Sites	Site No.		
A	①	②	③
B	①	②	③
C	①	②	③
D	①	②	③
E	①	②	③
F	①	②	③
G	①	②	③
H	①	②	③
I	①	②	③

Similarity Index	Site No.		
76% - 100%	①	②	③
51% - 75%	①	②	③
26% - 50%	①	②	③
0% - 25%	①	②	③

Beef Cattle Habitat	Site No.		
Excellent (31-40)	①	②	③
Good (21-30)	①	②	③
Fair (11-20)	①	②	③
Poor (<11)	①	②	③

## RECOMMENDED MANAGEMENT PRACTICES

Management for Beef Cattle	Site No.		
Continue Present Management	①	②	③
Begin a Planned Grazing System	①	②	③
Change Type of Browsing/Grazing Animal	①	②	③
Apply Woody Plant Control	①	②	③
Decrease Stocking Rate	①	②	③
Increase Stocking Rate	①	②	③
Continue Present Stocking Rate	①	②	③
Develop Water	①	②	③
Plant Adapted Species	①	②	③
Use Prescribed Fire	①	②	③

GRASSES			FORBS	TREES & SHRUBS
1 Western Wheatgrass	21 Arizona Cottontop	41 Hall's Panic	57 Fringed Sagebrush	65 Big Sagebrush
2 Slender Wheatgrass	22 Desert Saltgrass	42 Vine Mesquite	58 Horsetail Milkweed	66 Four-wing Saltbush
3 Redtop	23 Bottlebrush Squirreltail	43 Mutton Bluegrass	59 Locoweed	67 Shadscale
4 Big Bluestem	24 Plains Lovegrass	44 Kentucky Bluegrass	60 Filaree	68 Winterfat
5 Sand Bluestem	25 Fluffgrass	45 Little Bluestem	61 Pingue	69 True Mountain Mahogany
6 Poverty Threewawn	26 Arizona Fescue	46 Burrograss	62 Woolly Indianwheat	70 Hairy Mountain Mahogany
7 Red Threewawn	27 Sheep Fescue	47 Plains Bristlegrass	63 Russian Thistle	71 Rubber Rabbitbrush
8 Pine Dropseed	28 Tanglehead	48 Indiangrass	64 Threadleaf Groundsel	72 Long Leaf Mormon Tea
9 Cane Bluestem	29 Curlymesquite	49 Alkali Sacaton		73 Torrey Mormon Tea
10 Silver Bluestem	30 Galleta	50 Sand Dropseed		74 Apache Plume
11 Six Weeks Grama	31 Tobosa	51 Mesa Dropseed		75 Tarbush
12 Needle Grama	32 Junegrass	52 Giant Sacaton		76 Creosotebush
13 Sideoats Grama	33 Green Sprangletop	53 Columbia Needlegrass		77 Cacti
14 Black Grama	34 Wolf tail	54 Needle & Thread		78 Mesquite
15 Blue Grama	35 Mountain Muhly	55 NM Feathergrass		79 Shinnery Oak Bush
16 Hairy Grama	36 Bush Muhly	56 Sleepygrass		80 Gambel Oak
17 Slender Grama	37 Mat Muhly			81 Skunkbush Sumac
18 Buffalograss	38 Ring Muhly			82 Broom Snakeweed
19 Bermudagrass	39 Spike Muhly			83 Yucca
20 Tufted Hairgrass	40 Indian Ricegrass			84 Sand Sagebrush

Plant ID Tag	Plant Number		Habitat		Season of Growth		Origin		Rating	
	First Digit	Second Digit	Perennial	Annual	Cool	Warm	Native	Introduced	Cattle Food	
									Desirable	Undesirable
1	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25	0 1 2 3 4 5 6 7 8 9	0 1 2 3 4 5 6 7 8 9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

GRASSES		PLANT CHARACTERISTICS						RATING For Cattle Food		
Short Grass = S Mid Grass = M Tall Grass = T		Perennial	Annual	Cool Season	Warm Season	Native	Introduced	Desirable	Undesirable	
1	Indian Ricegrass	M	X		X	X		X		<i>Achnatherum hymenoides</i> (Roem. & Schult.) Barkworth
2	Big Bluestem/ Sand Bluestem	M	X		X	X		X		<i>Andropogon gerardii</i> Vitman
3	Threeawn	S	X		X	X			X	<i>Aristida</i>
4	Pine Dropseed	S	X		X	X		X		<i>Blepharoneuron tricholepis</i> (Torr.) Nash
5	Cane Bluestem	M	X		X	X		X		<i>Bothriochloa barbinodis</i> (Lag.) Herter
6	Silver Bluestem	M	X		X	X			X	<i>Bothriochloa saccharoides</i> (Sw.) Rydb.
7	Six Weeks Grama	S		X	X	X			X	<i>Bouteloua barbata</i> Lag
8	Sideoats Grama	M	X		X	X		X		<i>Bouteloua curtipendula</i> (Michx.) Torr.
9	Black Grama	S	X		X	X		X		<i>Bouteloua eriopoda</i> (Torr.) Torr
10	Blue Grama	S	X		X	X		X		<i>Bouteloua gracilis</i> (Willd. ex Kunth) Lag. ex Griffiths
11	Hairy Grama	S	X		X	X		X		<i>Bouteloua hirsuta</i> Lag.
12	Feather Fingergrass	S		X	X	X			X	<i>Chloris virgata</i>
13	Buffalograss	S	X		X	X		X		<i>Bouteloua dactyloides</i> (Nutt.) J.T. Columbus
14	Rescuegrass	M	X		X		X	X		<i>Bromus catharticus</i> Vahl
15	Cheatgrass	M		X	X		X		X	<i>Bromus tectorum</i> L.
16	Bermudagrass	S	X		X		X	X		<i>Cynodon dactylon</i> (L.) Pers
17	Arizona Cottontop	M	X		X	X		X		<i>Digitaria californica</i> (Benth.) Henr.
18	Desert Saltgrass	S	X		X	X			X	<i>Distichlis spicata</i> (L.) Greene
19	Bottlebrush Squirreltail	M	X		X	X		X		<i>Elymus elymoides</i> (Raf.) Swezey
20	Plains Lovegrass	M	X		X	X		X		<i>Eragrostis intermedia</i> Hitchc.
21	Fluffgrass	S	X		X	X			X	<i>Eragrostis intermedia</i> Hitchc.
22	Arizona Fescue	M	X		X	X		X		<i>Festuca arizonica</i> Vasey
23	Needle and Thread	M	X		X	X		X		<i>Hesperostipa comata</i> (Trin. & Rupr.) Barkworth
24	New Mexico Feathergrass	M	X		X	X		X		<i>Hesperostipa neomexicana</i> (Thurb. ex J.M. Coult.) Barkworth
25	Green Sprangletop	M	X		X	X		X		<i>Leptochloa dubia</i> (Kunth) Nees
26	Wolfstail	S	X		X	X		X		<i>Lycurus</i> Kunth
27	Mountain Muhly	M	X		X	X		X		<i>Muhlenbergia montana</i> (Nutt.) Hitchc.
28	Bush Muhly	M	X		X	X		X		<i>Muhlenbergia porteri</i> Scribn. ex Beal
29	Mat Muhly	S	X		X	X		X		<i>Muhlenbergia richardsonis</i> (Trin.) Rydb.
30	Ring Muhly	S	X		X	X			X	<i>Muhlenbergia torreyi</i> (Kunth) Hitchc. ex Bush
31	Galleta/Tobosa	M	X		X	X		X		<i>Pleuraphis jamesii</i> Torr./ <i>Pleuraphis mutica</i>
32	Hall's Panic	S	X		X	X		X		<i>Panicum hallii</i> Vasey
33	Vine Mesquite	S	X		X	X		X		<i>Panicum obtusum</i> Kunth
34	Western Wheatgrass	M	X		X	X		X		<i>Pascopyrum smithii</i> (Rydb.) A. Löve
35	Kentucky Bluegrass	S	X		X		X	X		<i>Poa pratensis</i> L.
36	Little Bluestem	M	X		X	X		X		<i>Schizachyrium scoparium</i> (Michx.) Nash
37	Burrograss	S	X		X	X			X	<i>Scleropogon brevifolius</i> Phil
38	Plains Bristlegrass	M	X		X	X		X		<i>Setaria vulpiseta</i> (Lam.) Roem. & Schult.
39	Johnsongrass	T	X		X		X	X		<i>Sorghum halepense</i> (L.) Pers

GRASSES		PLANT CHARACTERISTICS						RATING For Cattle Food	
Short Grass = S Mid Grass = M Tall Grass = T		Perennial	Annual	Cool Season	Warm Season	Native	Introduced	Desirable	Undesirable
40	Indiangrass	T	X		X	X		X	
41	Alkali Sacaton	M	X		X	X		X	
42	Sand Dropseed	M	X		X	X		X	
43	Spike Dropseed	M	X		X	X		X	
44	Mesa Dropseed	M	X		X	X		X	
45	Giant Sacaton	T	X		X	X		X	
46	Gyp Dropseed	M	X		X	X			X

*Sorghastrum nutans (L.) Nash*

*Sporobolus airoides (Torr.) Torr.*

*Sporobolus cryptandrus (Torr.) A. Gray*

*Sporobolus contractus Hitchc*

*Sporobolus flexuosus (Thurb. ex Vasey) Rydb.*

*Sporobolus wrightii Munro ex Scribn.*

*Sporobolus nealleyi Vasey*



	Forbs	PLANT CHARACTERISTICS						RATING For Cattle Food	
		Perennial	Annual	Cool Season	Warm Season	Native	Introduced	Desirable	Undesirable
50	Russian Knapweed	X			x		X		X
51	Western Ragweed	X			X	X			X
52	Pigweed		X		X	X			X
53	Fringed Sagebrush	X		X		X			X
54	Horsetail Milkweed	X			X	X			X
55	Lamb's Quarters		X		X		X		X
56	Croton		X		X	X			X
57	Tansy Mustard		X	X		X			X
58	Filaree		X	X		X		X	
59	Texas Blueweed	X			X	X			X
60	Pingue	X			X	X			X
61	Kochia		X		X		X		X
62	Sacahuista	X			X	X			X
63	Locoweed	X		X		X			X
64	Scorpion Weed		X		X	X			X
65	Wooly Indianwheat		X		X	X		X	
66	Curly Dock	X			X		X		X
67	Russian Thistle		X		X		X		X
68	Threadleaf Groundsel	X			X	X			X
69	London Rocket		X	X			X		X
70	Silverleaf Nightshade	X			X	X			X
71	Buffalo Bur		X		X	X			X
72	Globemallow	X			X	X		X	
73	Puncture Vine		X		X		X		X
74	Desert Holly	X			X	X			X
75	Wild Buckwheat	X			X	X		X	
76	Wooly Paperflower	X			X	X			X
77	Spectacle Pod		X		X	X			X
78	Pepperweed	X			X	X			X

*Acroptilon repens L.*  
*Ambrosia*  
*Amaranthus L.*  
*Artemisia frigida*  
*Asclepias subverticillata (A. Gray) Vail*  
*Chenopodium album*  
*Croton L.*  
*Descurainia Webb & Bethel.*  
*Erodium spp*  
*Helianthus ciliaris DC.*  
*Hymenoxys richardsonii (Hook.) Cockerell*  
*Kochia scoparia*  
*Nolina microcarpa S. Watson*  
*Oxytropis DC*  
*Phacelia strictiflora*  
*Plantago purshii*  
*Rumex crispus L.*  
*Salsola L.*  
*Senecio flaccidus var. douglasii*  
*Sisymbrium irio L.*  
*Solanum elaeagnifolium Cav.*  
*Solanum rostratum Dunal*  
*Sphaeralcea A. St.-Hil.*  
*Tribulus terrestris L*  
*Acourtia nana (A. Gray) Reveal & King*  
*Eriogonum Spp*  
*Psilotrophe tagetina (Nutt.) Greene*  
*Dimorphocarpa wislizenii*  
*Lepidium latifolium*

	Trees & Shrubs	PLANT CHARACTERISTICS					RATING For Cattle Food			
		Perennial	Annual	Cool Season	Warm Season	Native	Introduced	Desirable		Undesirable
79	Big Sagebrush	X			X	X			X	<i>Artemisia tridentata</i> Nutt
80	Sand Sagebrush	X			X	X			X	<i>Artemisia filifolia</i> Torr
81	Four-wing Saltbush	X			X	X		X		<i>Atriplex canescens</i> (Pursh) Nutt.
82	Shadescale	X			X	X		X		<i>Atriplex confertifolia</i> (Torr. & Frém.) S. Watson
83	True Mountain Mahogany	X			X	X		X		<i>Cercocarpus</i> Kunth
84	Javelinabush	X			X	X			X	<i>Condalia ericoides</i> (A. Gray) M.C. Johnst
85	Cholla	X			X	X			X	<i>Cylindropuntia</i>
86	Feather Dalea	X			X	X			X	<i>Dalea formosa</i>
87	Long-Leaf Mormon Tea	X			X	X			X	<i>Ephedra viridis</i> Coville
88	Torrey Mormon Tea	X			X	X			X	<i>Ephedra torreyana</i>
89	Rubber Rabbitbrush	X			X	X			X	<i>Ericameria nauseosa</i> (Pall. ex Pursh) G.L. Nesom & Baird
90	Apache Plume	X			X	X		X		<i>Fallugia</i> Endl.
91	Barrel Cactus	X			X	X			X	<i>Ferocactus</i> Britton & Rose
92	Ocotillo	X			X	X			X	<i>Fouquieria</i> Kunth
93	Broom Snakeweed	X			X	X			X	<i>Gutierrezia sarothrae</i> (Pursh) Britton & Rusby
94	Tarbush	X			X	X			X	<i>Holocarpa virgata</i> (A. Gray)
95	Juniper	X			X	X			X	<i>Juniperus</i> L.
96	Allthorn	X			X	X			X	<i>Koeberlinia</i> Zucc
97	Range Ratany	X			X	X		X		<i>Krameria parvifolia</i>
98	Winterfat	X			X	X		X		<i>Krascheninnikovia Guldenstaedt</i>
99	Creosotebush	X			X	X			X	<i>Larrea</i> Cav.
100	Algerita	X			X	X			X	<i>Mahonia trifoliolata</i> (Moric.) Fedde
01	Prickly Pear	X			X	X			X	<i>Opuntia</i> Mill.
02	Mariola	X			X	X			X	<i>Parthenium incanum</i>
03	Pinyon Pine	X			X	X			X	<i>Pinus monophylla</i> Torr. & Frém
04	Mesquite	X			X	X			X	<i>Prosopis</i> L.
05	Broom Dalea	X			X	x			X	<i>Psoralea scoparius</i> (A. Gray) Rydb
06	Shinnery Oak	X			X	X			X	<i>Quercus havardii</i>
07	Gambel Oak	X			X	X			X	<i>Quercus gambelii</i> Nutt.
08	Skunkbush Sumac	X			X	X			X	<i>Rhus trilobata</i> Nutt
09	Salt Cedar	X			X		X		X	<i>Tamarix ramosissima</i> Ledeb
010	Yucca	X			X	X		X		<i>Yucca</i> L.
011	littleleaf sumac	X			X	X			X	<i>Rhus microphylla</i> Engelm. ex A. Gray
012	Rayless Goldenrod	X		X		X			X	<i>Bigelovia</i> DC.
013	Desert Willow	X			X	X			X	<i>Chilopsis linearis</i> (cav.) sweet
014	Catclaw Mimosa	X			X	X			X	<i>Mimosa biuncifera</i> benth
015	Whitethorn Acacia	X			X	X			X	<i>acacia constricta</i>
016	Lotebush	X			X	X			X	<i>Ziziphus obtusifolia</i>

