



RANGELAND MONITORING REPORT

North Ranch

Report ID: 443



SITE INFORMATION

 PRODUCER Medio Ranch	 PASTURE North 40	 DATE 17-Oct-2025	 COLLECTOR CNS	 TRANSECT # 1	 GPS COORDINATES 36.637113, - 104.756590	 HEADING 81°
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BIOMASS AVAILABILITY

1,576.0

± 298.2 lbs/acre



PASTURE SIZE

1,700

acres



ESTIMATED STOCKING RATE

216

AUY

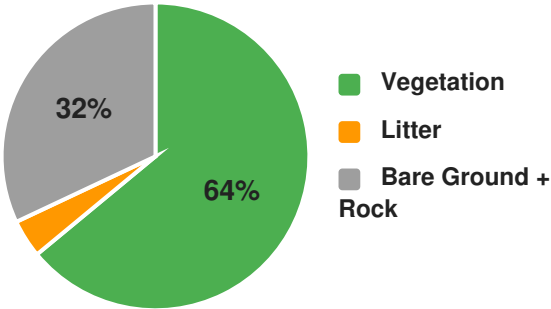


ANNUAL FORAGE PRODUCTION

3,023.3

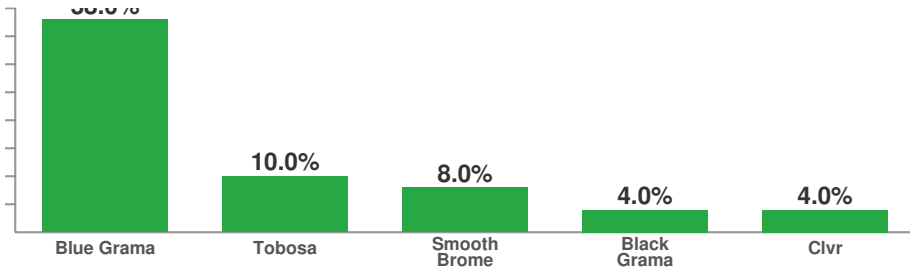
± 120.1 lbs/acre

PERCENT COVER



SPECIES by VEGETATION COVER

(Percent of Total Cover)



GRASS SPECIES COMPOSITION and STUBBLE HEIGHT EVALUATION

Common Name	Symbol	Percent	Avg. Height (in)	Min. Stubble Guideline (in)	Status
Blue Grama	BOGR	66.0	4.8	1.50	✓ Meets Guideline
Tobosa	PLMU	22.0	5.5	2.50	✓ Meets Guideline
Smooth Brome	BRIN	8.0	4.6	4.00	✓ Meets Guideline
Black Grama	BOER	4.0	5.5	2.50	✓ Meets Guideline
-	-	-	-	-	-

FECAL GROUP COUNTS (PER TRANSECT)

Horse	Elk	Deer	Cattle	Others
0	0	0	4	0

NOTES

Other observable data not taken into account during the transect; Enter here.

ESTIMATED STOCKING RATE BASIS

Formula: (Production × User-Defined Area × Allowable Use) ÷ Animal Unit Demand

Parameters: Allowable Use = 40%; Animal Unit Demand = 9,490 lbs/year

DISCLAIMER

Stocking rate values are mathematical estimates derived from measured forage production and user-defined inputs and are provided for informational purposes only. NMSU does not determine carrying capacity, establish stocking rates, or provide grazing recommendations.

Ground Photo



Landscape Photo



Report Site Location



Leaflet | Map data: © OpenStreetMap contributors, SRTM | Map style: © OpenTopoMap (CC-BY-SA)

GPS Coordinates: 36.637113, -104.756590

Satellite Production Comparison 2025

Comparing field measurements with Rangeland Analysis Platform (RAP) satellite data

FIELD MEASURED

3,023

lbs/acre

RAP SATELLITE EST.

906

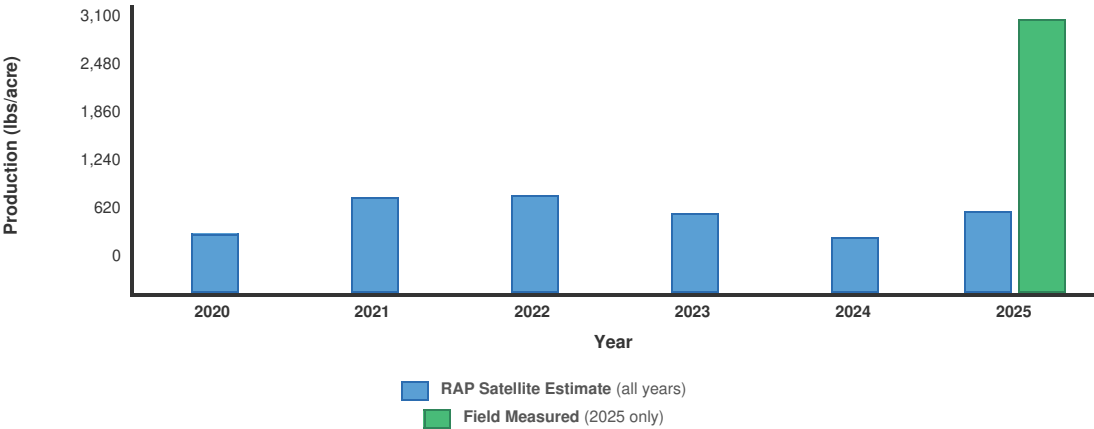
lbs/acre

DIFFERENCE

+233.8%

from satellite

Historical Production Trend (5-Year Comparison)



Important Interpretation Note: RAP production estimates are predictive model outputs derived from satellite imagery and environmental data at a 30-meter resolution, while field production estimates are obtained through direct biomass sampling at specific monitoring locations. For this comparison, RAP estimates were averaged across approximately 114.86 acres (516 pixels) surrounding the monitoring transect. Because these methods differ in scale and methodology, differences between RAP and field estimates should be expected. RAP estimates are best interpreted as broad-scale indicators of landscape productivity and trends, whereas field measurements provide site-specific observations. Neither estimate should be interpreted independently without consideration of the scale and limitations of the underlying methodology. The 5-year RAP average for this location is **867 lbs/acre**.

Data source: USDA Rangeland Analysis Platform (RAP) • 30m resolution satellite imagery • Year: 2025

Rapid Assessment Methodology (RAM) – Datasheet

Ranch or Allotment				Medio Ranch				Pasture Name				North 40							
Date				17-Oct-2025				Collector Name(s)				CNS							
Transect Number				1				GPS Coordinates				36.637113, -104.756590							
Pasture Size (acres)				1700				Heading				81							
Measurements																			
1		2		3		4		5		6		7		8		9		10	
V	4.00	V	5.00	V	7.00	V	6.00	V	6.50	V	9.00	V	4.50	B	4.50	V	4.00	B	3.00
BOGR		BOER		BOGR		BOER		BOGR		BOGR		BRIN		BOGR		BRIN		BOGR	
11		12		13		14		15		16		17		18		19		20 (clip)	
V	3.00	B	6.00	B	7.00	B	2.00	V	3.00	V	4.00	B	3.00	V	4.00	V	6.00	B	6.00
PLMU		PLMU		BOGR		BOGR		PLMU		BRIN		BOGR		BOGR		BRIN		BOGR	
21		22		23		24		25		26		27		28		29		30	
V	5.00	L	2.00	V	3.50	B	6.00	B	7.00	V	6.00	V	5.00	V	5.00	B	1.50	V	2.50
BOGR		BOGR		BOGR		PLMU		PLMU		BOGR		BOGR		BOGR		BOGR		BOGR	
Clvr				Clvr															
31		32		33		34		35		36		37		38		39		40 (clip)	
B	6.00	V	7.00	B	4.00	V	5.00	V	4.00	V	6.00	B	5.00	B	6.00	L	3.00	V	4.00
BOGR		PLMU		BOGR		BOGR		BOGR		BOGR		BOGR		PLMU		BOGR		BOGR	
41		42		43		44		45		46		47		48		49		50	
V	6.00	V	7.00	V	6.00	B	6.00	V	6.00	V	5.00	V	7.00	B	4.00	V	6.00	V	5.00
BOGR		PLMU		BOGR		PLMU		PLMU		BOGR		BOGR		PLMU		BOGR		BOGR	
51		52		53		54		55		56		57		58		59		60 (clip)	
61		62		63		64		65		66		67		68		69		70	
71		72		73		74		75		76		77		78		79		80 (clip)	
81		82		83		84		85		86		87		88		89		90	
91		92		93		94		95		96		97		98		99		100 (clip)	
Dot Tally		Clip Weight		1	2	3	4	5	Comment or Notes: Other observable data not taken into account during the transect; Enter here.										
Horse			5.50	21.00	13.50	22.00	16.80												
Elk		Cage Weight	1	2	3														
Cattle	4		32.60	29.40	28.70														
Deer		Sampling Hoop Size or Conversion Factor						100											