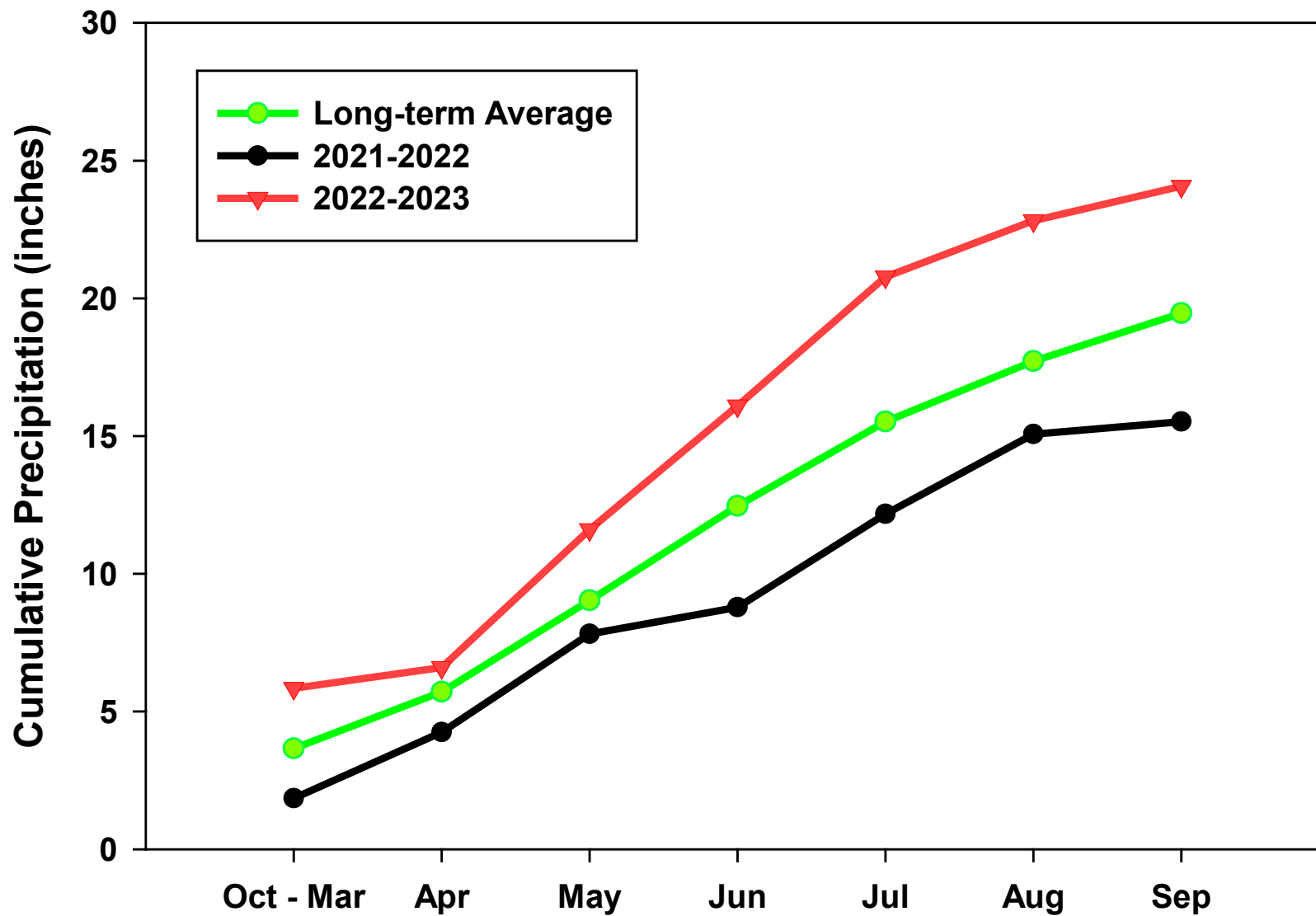


Nebraska Ranch Practicum: Precipitation Records: 2023

GSL Precipitation (inches)

Month	Average	2021-2022	2022-2023	2022-2023 Cumulative
Oct. – Mar.	3.66	1.85	5.84	5.84
April	2.05	2.40	0.76	6.60
May	3.32	3.56	5.00	11.60
June	3.43	0.97	4.50	16.10
July	3.07	3.39	4.68	20.78
August	2.19	2.90	2.04	22.82
September	1.74	0.46	1.25	24.07
Total	19.46	15.53	24.07	

GSL Cumulative Precipitation



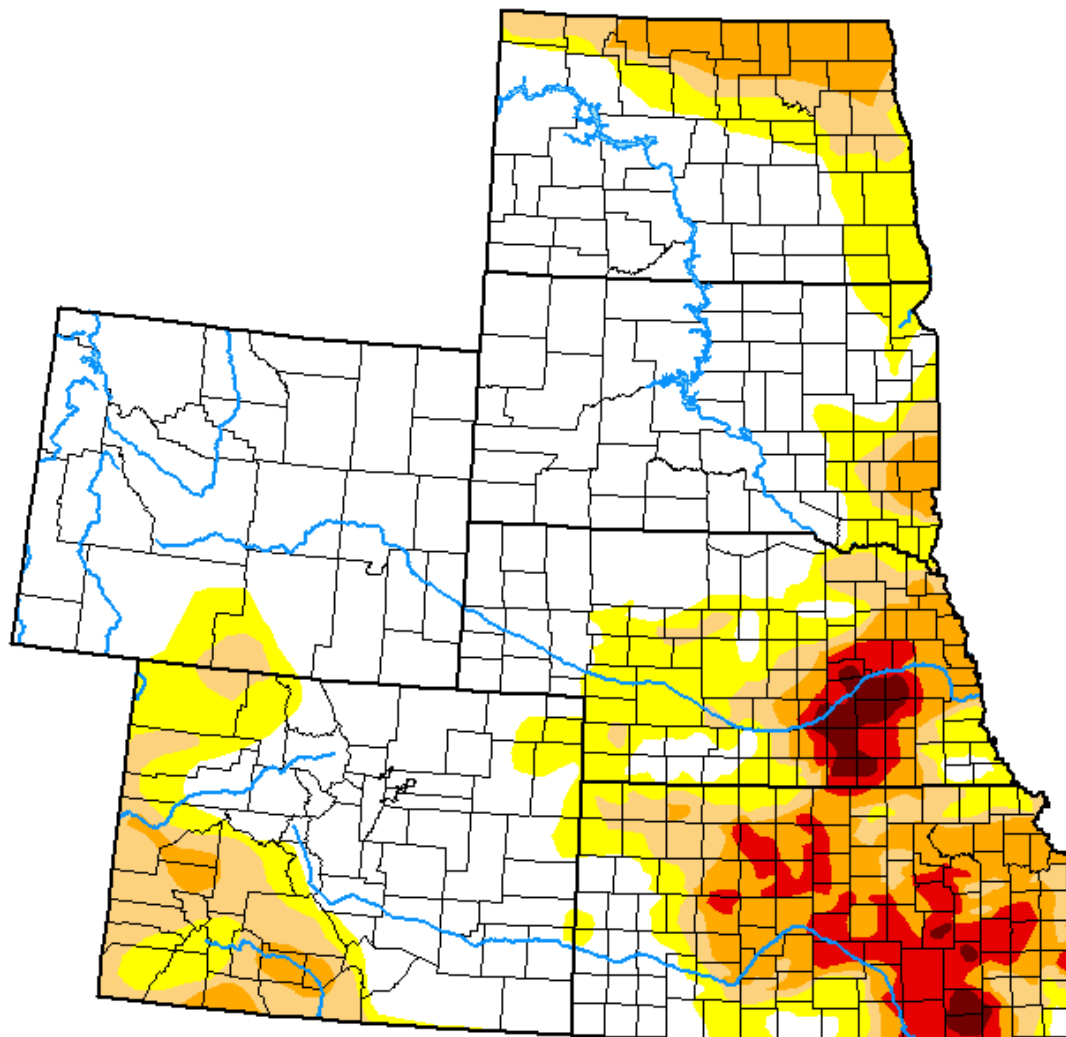
Forage production of upland range at GSL by plant functional group, 2023.

	Cool-season grasses & sedges	Warm- season grasses	Forbs	Shrubs	Total
	----- lb/acre -----				
2023	446	1055	358	3	1862
2004 – 2023 average	624	890	232	45	1791

U.S. Drought Monitor

High Plains

October 24, 2023
(Released Thursday, Oct. 26, 2023)
Valid 8 a.m. EDT



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

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NCEI/NOAA



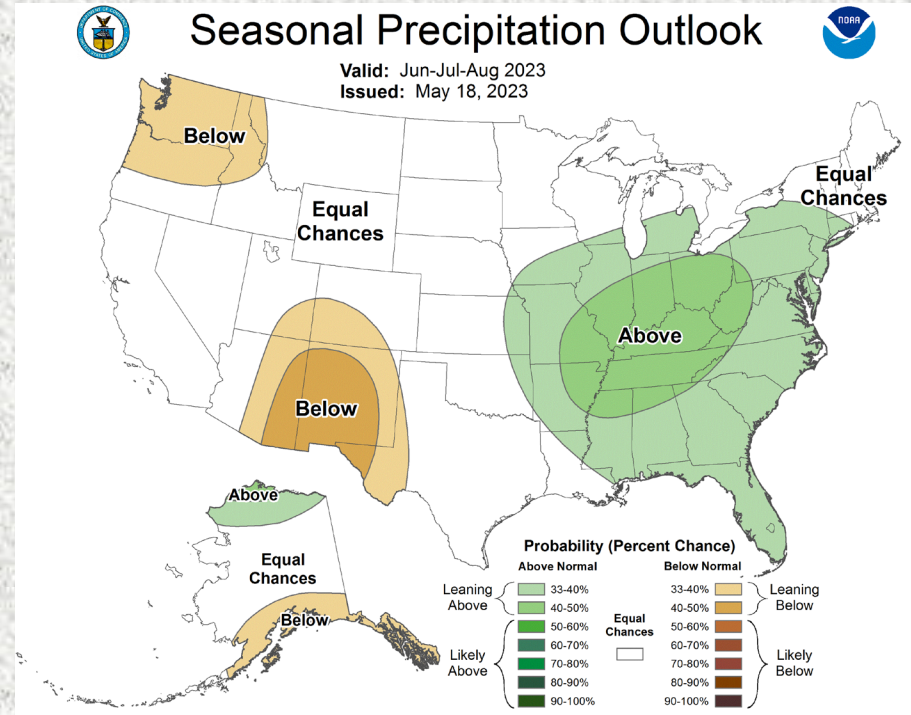
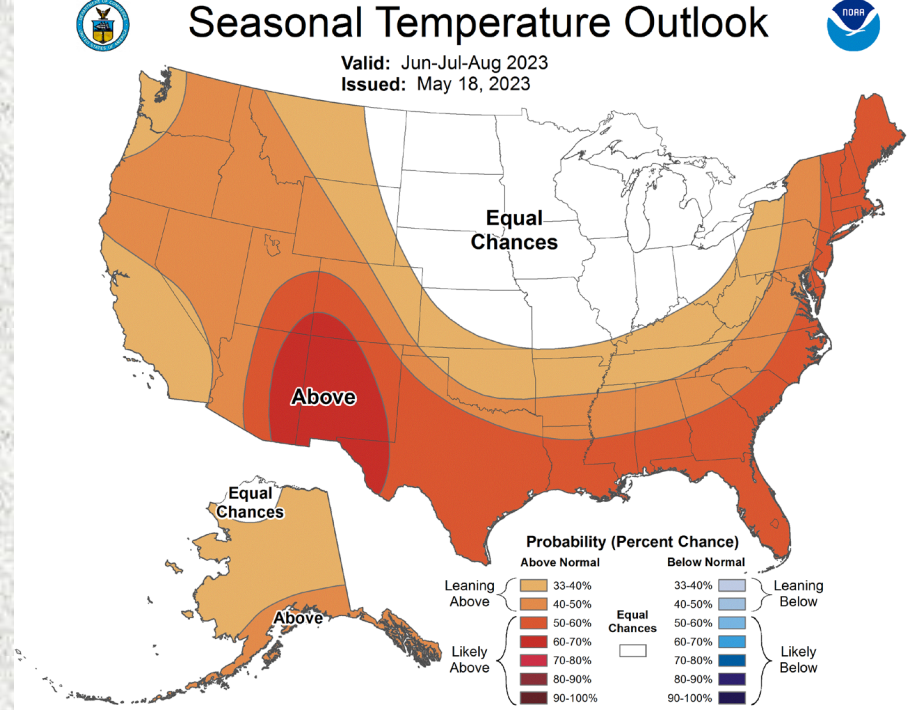
droughtmonitor.unl.edu

Long-term Forecasts

June
July
August
2023

Average
temperatures and
average
precipitation.

June
July
August
2023



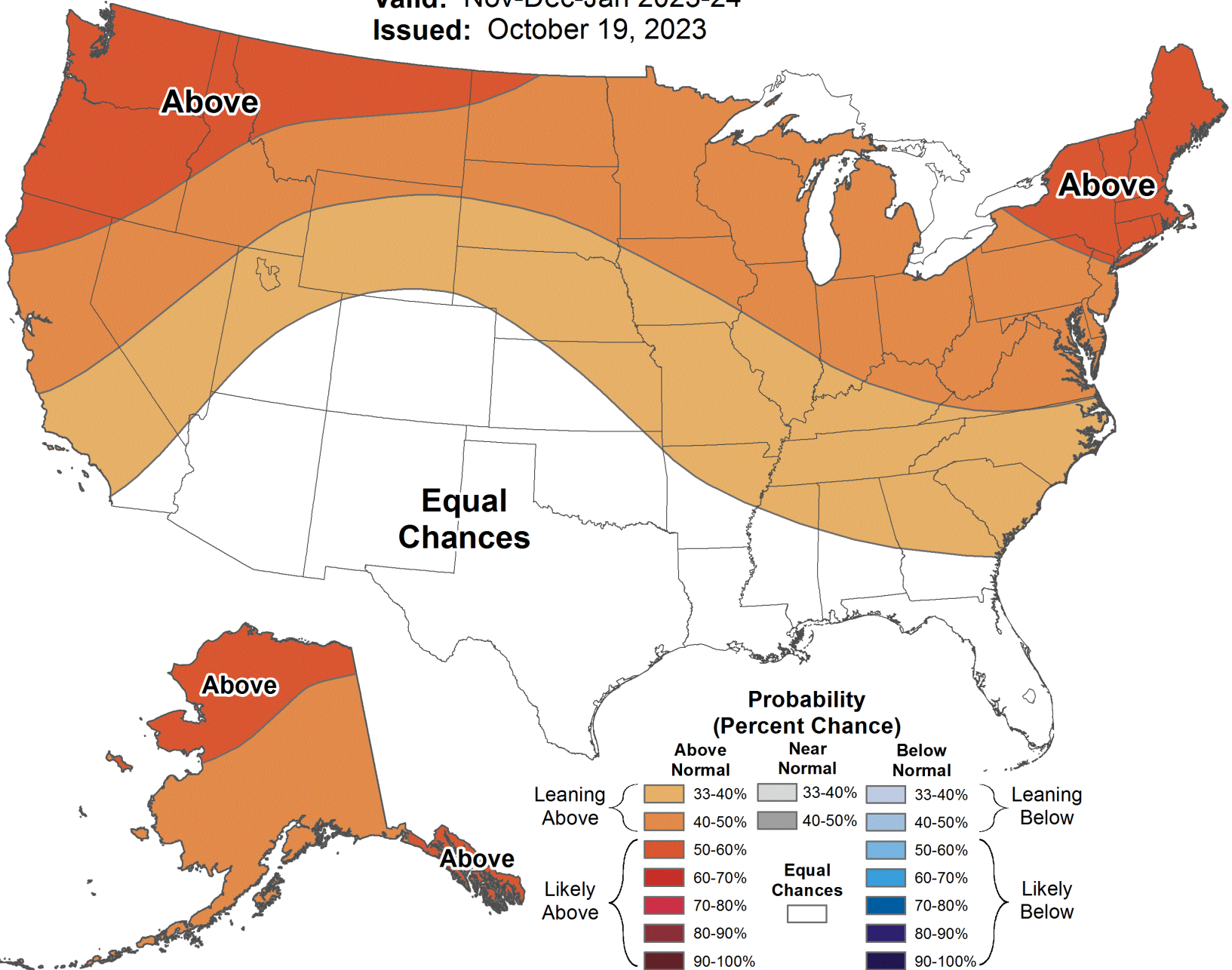


Seasonal Temperature Outlook



Valid: Nov-Dec-Jan 2023-24

Issued: October 19, 2023



Probability (Percent Chance)

	Above Normal	Near Normal	Below Normal	
Leaning Above	33-40%	33-40%	33-40%	Leaning Below
	40-50%	40-50%	40-50%	
Likely Above	50-60%	Equal Chances	50-60%	Likely Below
	60-70%		60-70%	
	70-80%		70-80%	
	80-90%		80-90%	
	90-100%		90-100%	

Equal Chances

Above

Above

Equal Chances

Above

Above

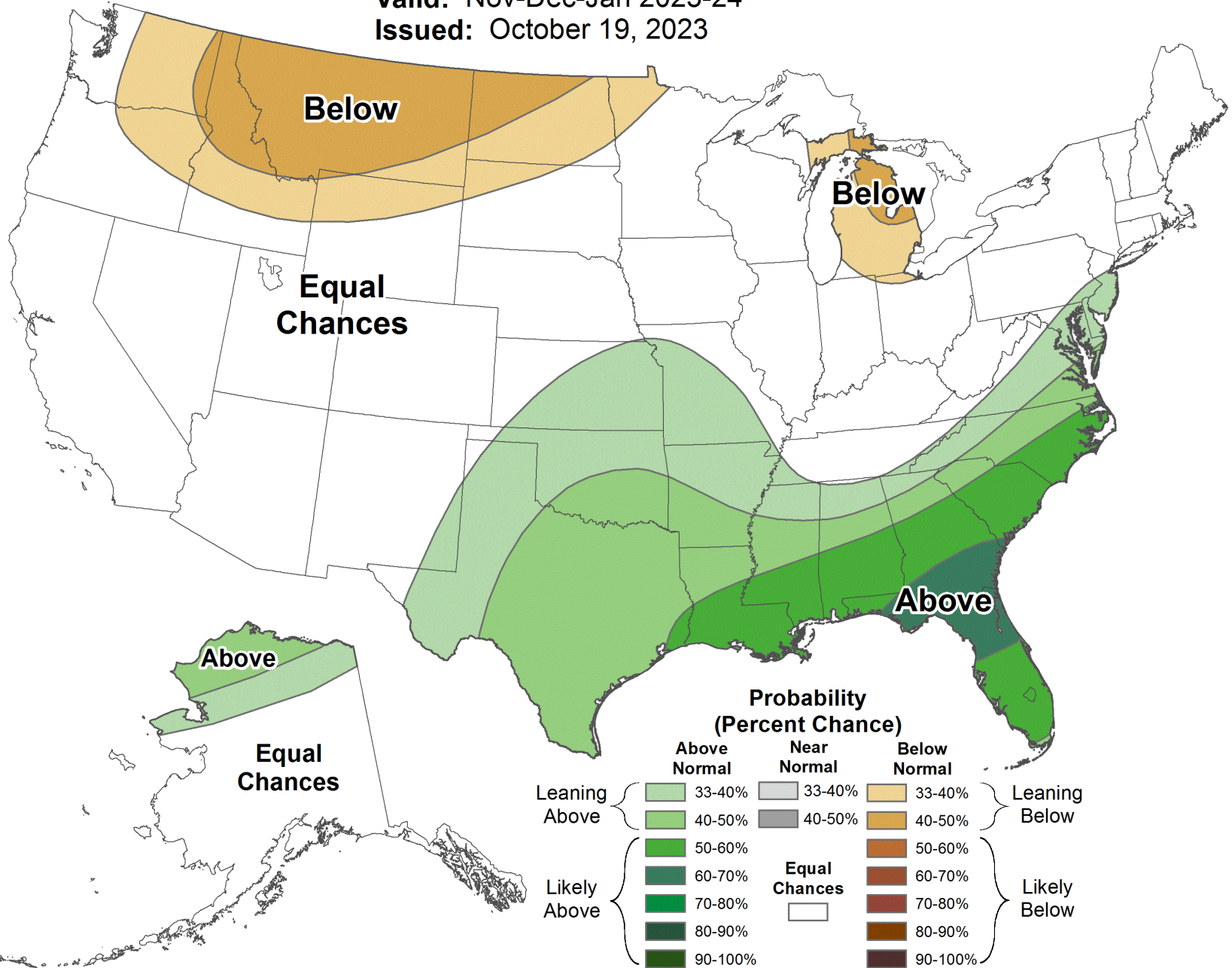


Seasonal Precipitation Outlook



Valid: Nov-Dec-Jan 2023-24

Issued: October 19, 2023



Ranch Practicum 2023 – Meadow Hay Summary

Yield (tons/acre)

	June 28	October regrowth	Total
Fertilized	2.03	1.60	3.63
Control – no fertilizer	1.41	1.55	2.96
	August 1		
Fertilized	3.14	0.67	3.81
Control – no fertilizer	2.38	0.62	3.00

Ranch Practicum 2023 – Meadow Hay Summary

Meadow Hay Quality - %

	June 28				October regrowth		
	CP	ADF	TDN		CP	ADF	TDN
Fertilized	8.3	47.2	48.7		9.4	42.0	56.4
Control – no fertilizer	6.7	43.2	53.3		9.1	41.9	55.9
	August 1				October regrowth		
	CP	ADF	TDN		CP	ADF	TDN
Fertilized	6.6	37.3	60.3		14.6	39.6	58.6
Control – no fertilizer	5.7	36.1	59.6		14.5	39.6	59.0

Meadow / Hayland

Harvest Date and Fertilization Summary Points:

- **June harvest**
 - Higher quality
 - Less yield
 - More regrowth
- **July harvest**
 - Lower quality
 - More yield
 - Less regrowth
- **Total production (June or July harvest + regrowth) similar (to slight increase for July harvest)**
- **Fertilization increased yield 0.8 – 0.9 ton/acre**
- **Fertilizer effect on quality variable**

Grazing Records Home Work

Stocking Rate Summary

Pasture	Acres	Total AUM / Pasture			AUM/ac			AUD/ac			Response Index Score
		Planned	Used	Left	Planned	Used	Left	Planned	Used	Left	
Past. 1	820	492	483	9	0.60	0.59	0.01	18	18	0	0
Past. 2	640	384	339	45	0.60	0.53	0.07	18	16	2	1
Past. 3	920	552	612	-60	0.60	0.67	-0.07	18	20	-2	-3
Past. 4	640	384	353	31	0.60	0.55	0.05	18	17	1	-3
Past. 5	962	577	576	1	0.60	0.60	0.00	18	18	0	4
Past. 6	280	168	151	17	0.60	0.54	0.06	18	16	2	4
Past. 7	320	192	148	44	0.60	0.46	0.14	18	14	4	4
Past. 8	80	48	36	12	0.60	0.44	0.16	18	13	5	0
Past. 9	320	192	140	52	0.60	0.44	0.16	18	13	5	-3
Past. 10	240	144	129	15	0.60	0.54	0.06	18	16	2	-1
Past. 11	240	144	145	-1	0.60	0.61	-0.01	18	18	0	2
Past. 12	320	192	203	-11	0.60	0.63	-0.03	18	19	-1	-2
Total	5782	3469	3313	156	---	---	---	---	---	---	---
Pasture Avg.¹	---	---	---	---	0.60	0.55	0.05	18	17	2	0.3
Ranch Avg.¹	---	---	---	---	0.60	0.57	0.03	18	17	1	---

Pasture average is calculated from the AUM/ac or AUD/ac of each pasture. Ranch average is calculated from total ranch acres and total AUM's used.

Grazing Records Home Work



Pasture Forage Demand Summary (AUM)

Total AUM from grazing by livestock class.

Livestock Class	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Livestock Class Total
Cow-calf pairs					388	388	401	401	395	427	141		2540
Dry cows													
Bred heifers (replacement 18-24 months)				17	57	55	65	65	67	69	71	57	524
Yearling heifers (replacement 12-17)													
Heifer calves (replacement 4-12 months)													
Weaned steer/heifer calves (4-12 months)													
Yearling steers/heifers (12-17 months)													
Bulls				27	29	28	29	29	28	29	28	26	250
Horses													
Monthly Totals				43	473	470	494	494	490	525	239	84	3313



Question or Comments

