

THE SAMUEL ROBERTS
NOBLE
FOUNDATION

Managing the Cowherd Through the Drought

**SWOSU Drought Seminar
September 5, 2012**

Weatherford, Oklahoma

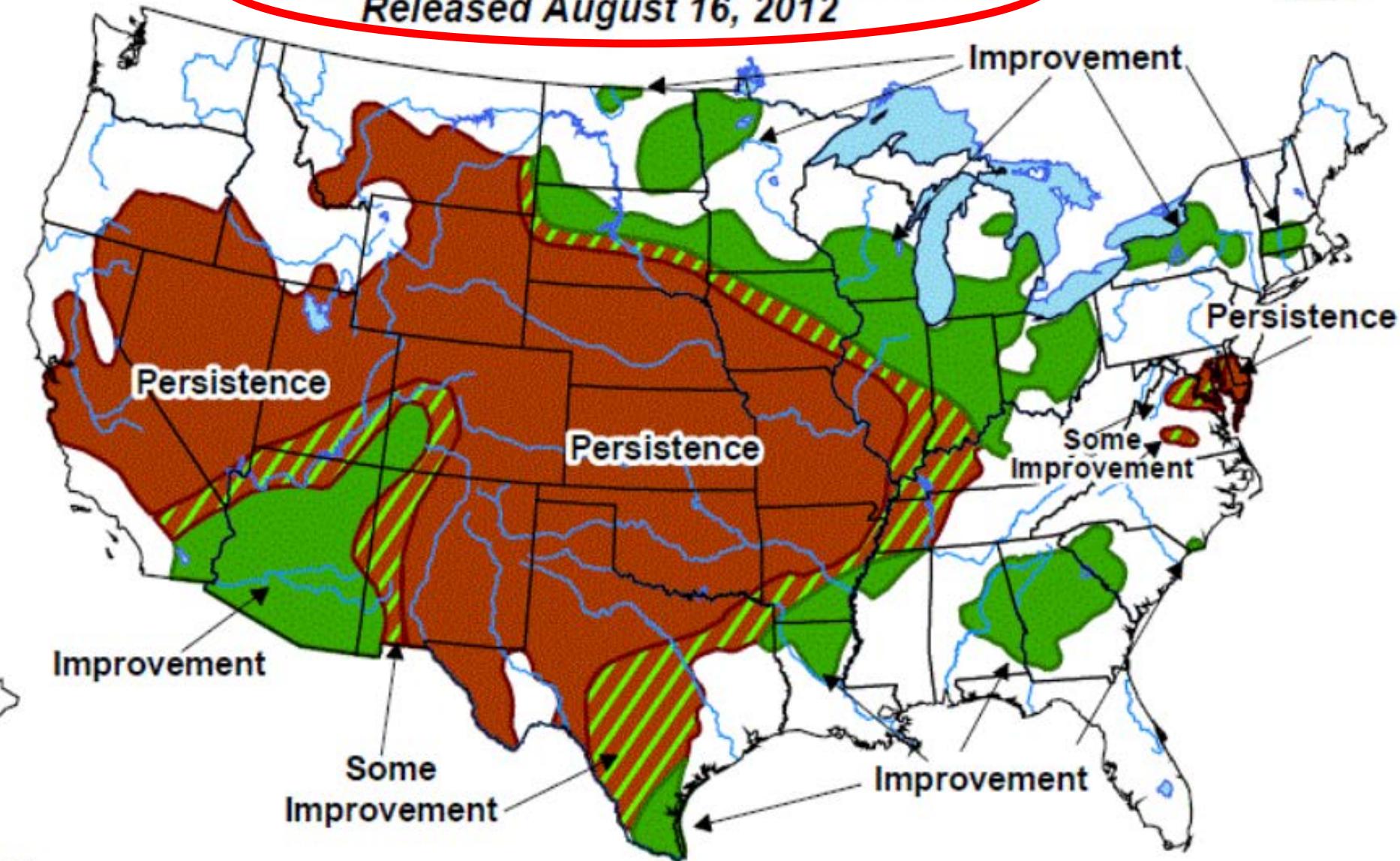
**Clay Wright, Livestock Consultant
Noble Foundation**

U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for August 16 - November 30, 2012

Released August 16, 2012









Protein (50%)

Energy (33%)

DM (20%)

14-16% CP

Good Hay

Water

Shade

Health



Early Weaning Rations

- 60% SH / 40% CGF
- 70% SH / 30% DDG

Limit feed at 2% of BW

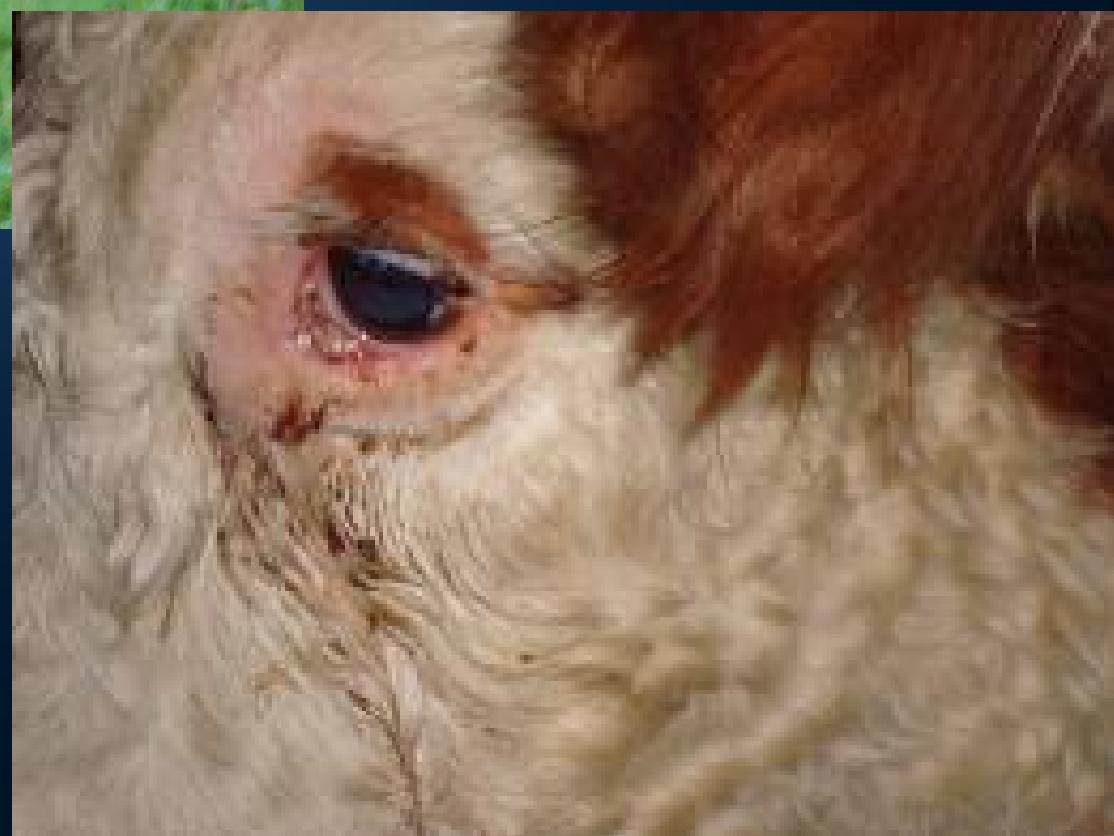
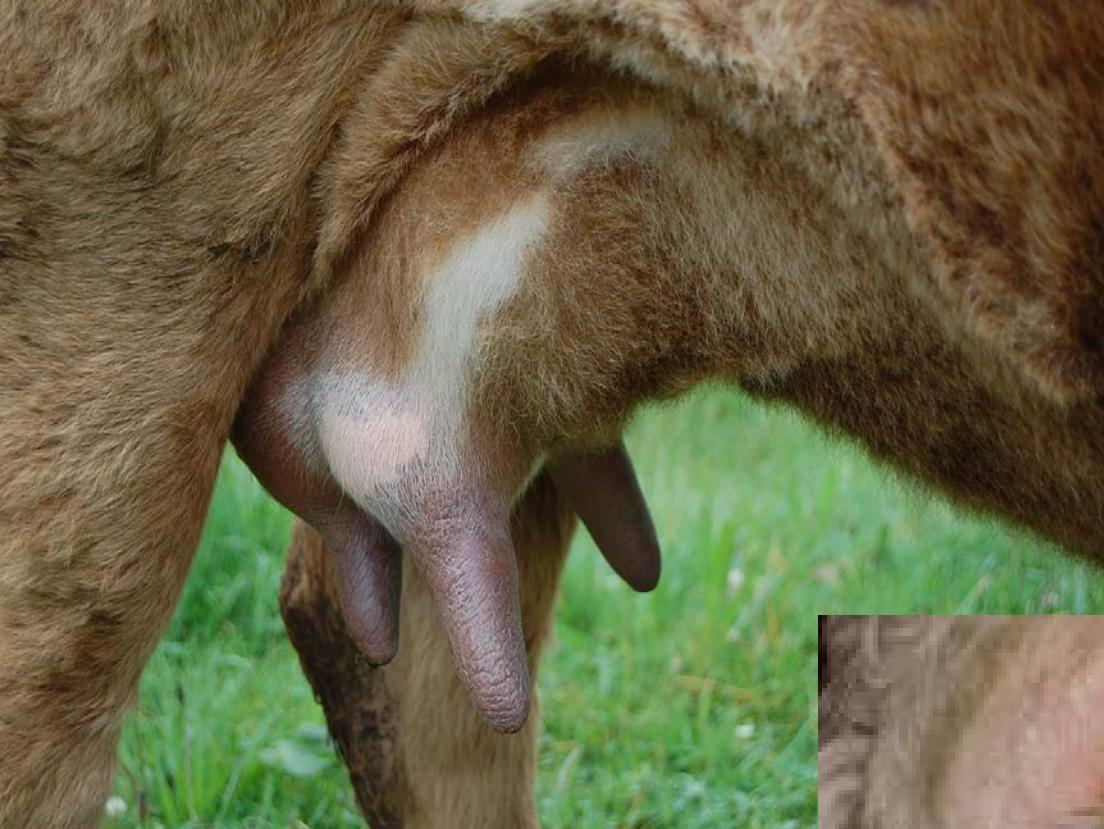


Compare other feeds based on \$ / lb of CP and TDN

EDCO
S.M.C.
Vermicide
pour les chiens
Prolecan® Blue









© CowboyWay.com



9 years or older

Virgin heifers

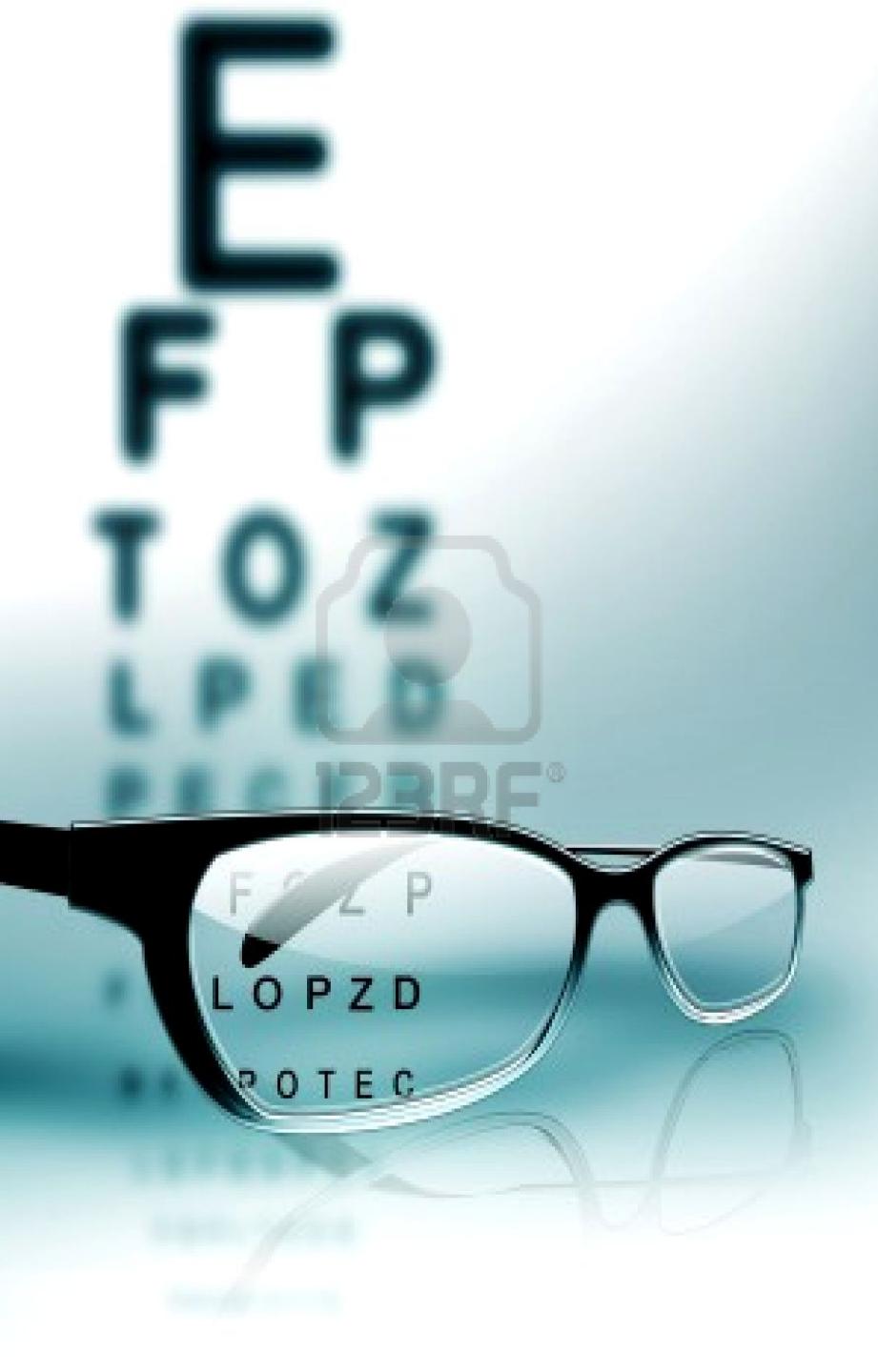
Bred heifers











Profit



Profit = Reproduction



Reproduction = Nutrition

BCS 5 90%



BCS 4 60%



1100# Cow, Average Milk



	Calving to	Breeding to	Weaning to	Last Period
	Breeding	Weaning	Last 1/3	
Dry Matter	26.2	25.1	21.3	22.7
Crude Protein	2.75	2.18	1.41	1.93
TDN Energy	15.5	13.8	10.1	12.3





Daily Supplement per Cow

	<u>Low Quality Hay</u>	<u>Average Quality Hay</u>
20% Cubes	3	0
Alfalfa Hay	3.1	0
SBH/CGF	2.5	0





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Hay Ring Waste Calculator

Ring Feeder Type: Open Bottom Steel Ring

Cost of Bale (\$): 50

Weight of Bale (lbs): 1200

Number of Bales Fed per Month: 80

Number of Months Hay is Fed: 7

Calculate

Reset

Value of Hay (\$/lb): \$0.04

Number of Bales Fed per Year: 560

Percent Waste of the Bale: 20.5%

Amount of Hay Wasted (lbs/bale): 246 lbs

Cost of Wasted Hay (\$/bale): \$10.25

Cost of Wasted Hay per Month: \$819.100

Cost of Wasted Hay per Year: \$5739.100

Ring Feeder Types



Modified Cone Ring



Open Bottom Steel Ring



Polyethylene Pipe Ring



Sheeted Bottom Steel Ring

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Hay Ring Waste Calculator

Ring Feeder Type: Polyethylene Pipe Ring**Cost of Bale (\$):** 50**Weight of Bale (lbs):** 1200**Number of Bales Fed per Month:** 80**Number of Months Hay is Fed:** 7**Calculate****Reset**

Value of Hay (\$/lb): \$0.04

Number of Bales Fed per Year: 560

Percent Waste of the Bale: 21%

Amount of Hay Wasted (lbs/bale): 252 lbs

Cost of Wasted Hay (\$/bale): \$10.50

Cost of Wasted Hay per Month: \$840.00

Cost of Wasted Hay per Year: \$5880.00

Ring Feeder Types

Modified Cone Ring



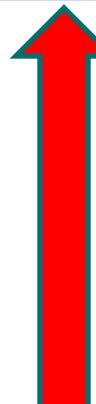
Open Bottom Steel Ring



Polyethylene Pipe Ring



Sheeted Bottom Steel Ring



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Hay Ring Waste Calculator

Ring Feeder Type: Modified Cone Ring

Cost of Bale (\$): 50

Weight of Bale (lbs): 1200

Number of Bales Fed per Month: 80

Number of Months Hay is Fed: 7

Calculate

Reset

Value of Hay (\$/lb): \$0.04

Number of Bales Fed per Year: 560

Percent Waste of the Bale: 5.3%

Amount of Hay Wasted (lbs/bale): 63.6 lbs

Cost of Wasted Hay (\$/bale): \$2.65

Cost of Wasted Hay per Month: \$212.00

Cost of Wasted Hay per Year: \$1484.00

Ring Feeder Types



Modified Cone Ring



Open Bottom Steel Ring



Polyethylene Pipe Ring



Sheeted Bottom Steel Ring

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Hay Ring Waste Calculator

Ring Feeder Type: Cost of Bale (\$): Weight of Bale (lbs): Number of Bales Fed per Month: Number of Months Hay is Fed: Value of Hay (\$/lb): Number of Bales Fed per Year: Percent Waste of the Bale: Amount of Hay Wasted (lbs/bale): Cost of Wasted Hay (\$/bale): Cost of Wasted Hay per Month: Cost of Wasted Hay per Year:

Ring Feeder Types



Modified Cone Ring



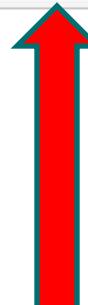
Open Bottom Steel Ring



Polyethylene Pipe Ring



Sheeted Bottom Steel Ring



Feeding Regimes and Costs

	Cost/Cow
Low Quality Hay + SBH/CGF	\$269
Average Quality Hay Only	\$241
Winter Pasture (Full Graze)	\$188
2-hour Limit Graze WP + Hay	\$191





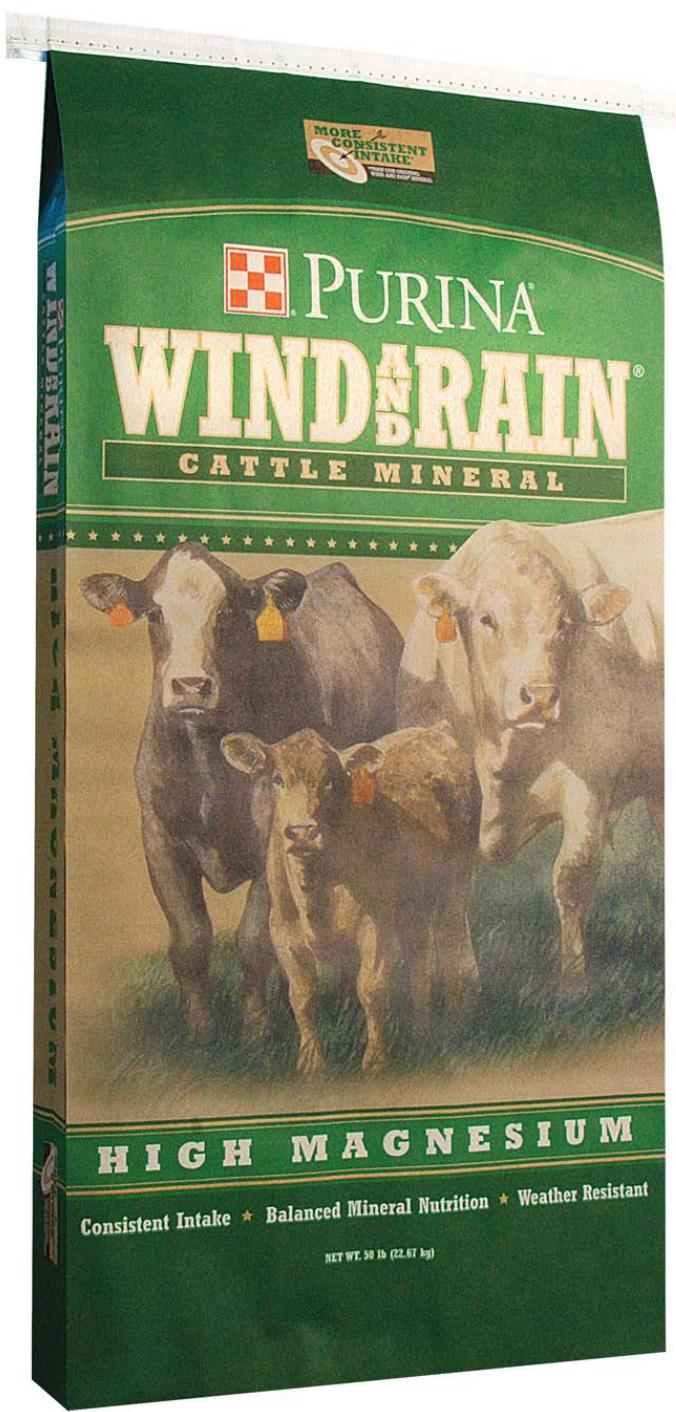
Poloxalene

One-two grams / CWT / head / day
Two-four days prior
Everyday



Grass Tetany







**Decide planning horizon.
Develop plan to get there.
Early wean; cull.
Provide adequate nutrition.**



www.noble.org/drought

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a resource guide for agricultural producers

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August 25th, 2011

Drought Events

Drought Management
by James Rogers

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Other Sources of Drought-Related Information	

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Drought Webinars

The Noble Foundation Agricultural Consultants present drought management information.

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Hay Hauling Calculator

The calculator allows you to estimate the total cost of purchasing and transporting hay.

[View the Calculator](#)

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Drought-related Resources

- [Aflatoxin in Baled Corn](#)
- [Annual Ryegrass -- A Double-edged Sword](#)
- [Are Grasshoppers and Armyworms in Your Future](#)
- [Arkansas Hay Producers Database](#)
- [Attack of the Armyworms](#)
- [Calculating Forage During Drought](#)
- [Capturing Rainfall](#)
- [Consider Pecan Trees' Water Needs During Drought](#)
- [Consider These Factors When Deciding on a Feedyard](#)
- [Crop Rotation and Alternatives to Wheat](#)

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