

Trial Number: Alfalfa 01_AgroLiquid Sure K Trial



Objective: Evaluate Sure K application on forage yield and analysis for 2nd and 3rd cuttings.

Location: SWCRC Yellow Jacket, CO

Researcher(s): Kathleen Russell

Cooperator: Jeramie Black RNM AgriTurf

Crop: Alfalfa

Field Area: 8.02 acres

Treatment Area: 4.01 acres

Planting Date:

Harvest Date: 8/3/2018 2nd cut
9/24/2018 3rd cut

Harvest Device: JD 995 Rotary Swather

Weighing Device: Calibrated Scale

Soil Type: Wetherill Loam

Previous Crop:

Row Width (in):

Tillage:

Harvest Rows:

Fertilizer Rate/A (lb/ Timing)			Totals
N:	0.0	Preplant	0.00
P2O5:	0.0	Preplant	0.00
K2O:	0.0	Preplant	0.00
0-0-0-90 (S)	0.0	Preplant	0.00
2-1-6 (Sure K)	3 gallon	Post 1st cut	3 gal/A
		Post 2nd cut	3 gal/A

Notes: 3rd cutting was low yielding and baling was not accurate based on treatment perimeters. Treatment applied: 6/27/18 (post 1st cut) , 8/13/18 (post 2nd cut)

Trial Results:		Yield (lbs.)	# Bales	lbs./bale	Yield (lb/a)	Yield (ton/a)
2nd Cut:	Treated	13220	7	1888	3305	1.65
	Untreated	11040	6	1840	2760	1.38
Treatment Difference:		2180				

Southwestern Colorado
Research Center

2

2

2

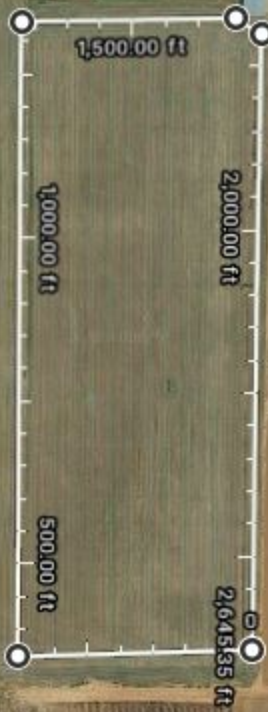
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17

17

17

17



Measure distance ✕

Click on the map to add to your path

Total area: 350,596.24 ft² (32,571.46 m²)

Total distance: 2,645.35 ft (806.30 m)

Sure-K[®]

Sure-K 2-1-6

Guaranteed Analysis

Total Nitrogen(N).....	2.00%
0.59% Ammoniacal Nitrogen	
0.41% Nitrate Nitrogen	
1.00% Urea Nitrogen	
Available Phosphate(P ₂ O ₅).....	1.00%
Soluble Potash(K ₂ O).....	6.00%

Derived from: Ammonium Nitrate, Ammonium Polyphosphate, Potassium Polyphosphate, Potassium Carbonate, Urea

Technical Data

Net Content: Bulk as Invoiced	
Weight Per Gallon lbs/gal @68° F.....	9.42
Specific Gravity	1.128
pH at 68° F	6.3-6.7
Freezing Point	34° F

For proper agronomic application rates suitable for your geographical area or the maximum allowable non-nutrient application rate per acre, consult a trained soil specialist at AgroLiquid or call or write to AgroLiquid with the address provided.

NOTE: Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>



GS07
WARNING - Irritant: Eyes, Skin



Guaranteed by: AgroLiquid

Division of COG Marketers, Ltd.
3055 W M-21
St. Johns, MI 48879
agroliquid.com



Servi-Tech Laboratories


1816 E. Wyatt Earp • PO Box 1397 • Dodge City, KS 67801
www.servitechlabs.com

Phone: 620.227.7123

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Fax: 620.227.2047

Lab No.: 37213 **FEED ANALYSIS REPORT** Date Reported: 08/14/2018

Send To: 18100	COLORADO AG EXP STATION SW COLORADO RESEARCH CENTER KATIE RUSSELL PO BOX 233 YELLOW JACKET, CO 81335	
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Results For:	RESEARCH CENTER	 Ed McGuire Data Review Coordinator
Feedstuff Description:	ALFALFA HAY	
Sample Identification:	TREATED	
Date Received:	08/13/2018	
Invoice No.:	592583	

Feed Analysis Results As Received 100% Dry Matter

USDA HAY QUALITY GUIDELINES: ALFALFA, ALFALFA/MIX (100% dry matter)

QUALITY	CP %	ADF %	NDF %	RFV
Supreme	> 22	< 27	< 34	> 185
Premium	20-22	27-29	34-36	170-185
Good	18-20	29-32	36-40	150-170
Fair	16-18	32-35	40-44	130-150
Utility	< 16	> 35	> 44	< 130

Crude protein (CP%) is not used in the RFV calculation, but may affect pricing. Visual appearance, intent of sale, end use, and other factors may influence hay price or feed value more than testing results. Regional pricing information is available from USDA Hay Marketing Service - Hay Reports. www.ams.usda.gov/market-news/hay-reports



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Lab No.: 37214 **FEED ANALYSIS REPORT** Date Reported: 08/14/2018

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Results For:	RESEARCH CENTER	 Ed McGuire Data Review Coordinator
Feedstuff Description:	ALFALFA HAY	
Sample Identification:	UNTREATED CHECK	
Date Received:	08/13/2018	
Invoice No.:	592583	

Feed Analysis Results As Received 100% Dry Matter

Moisture, %	8.8	
Dry Matter, %	91.2	
Crude Protein, %	20.4	22.4
Acid Detergent Fiber, % ADF	29.0	31.8
Neutral Detergent Fiber, % NDF	34.8	38.2
Total Digestible Nutrients, % TDN	59.4	65.1
Net Energy, Maint, Mcal/lb	0.61	0.67
Net Energy, Gain, Mcal/lb	0.36	0.40
Net Energy, Lact, Mcal/lb	0.61	0.67
Digestible Energy, Mcal/lb Beef D.E.	1.19	1.30
Met. Energy, Beef, Mcal/lb	0.98	1.07
Relative Feed Value, (RFV)		156
Potassium, % K	1.35	1.48

RELATIVE FEED VALUE: Formula used: $RFV = (DDM \times DMI) / 1.29$
 $DDM = 88.9 - (0.779 \times \%ADF)$
 $DMI = 120 / \%NDF$

The RFV index calculation was developed for legumes and legume/grass forages fed to lactating cattle to compare the potential digestible dry matter intake. A reference hay of 100 RFV has 41% ADF and 53% NDF. RFV values for other forages can be used to compare the quality within the same species. Servi-Tech Laboratories has been certified annually by the National Forage Testing Association since 1986.



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Lab No.: 5016 **FEED ANALYSIS REPORT** Date Reported: 10/30/2018

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Results For:	RESEARCH CENTER	 Ed McGuire Data Review Coordinator
Feedstuff Description:	ALFALFA HAY	
Sample Identification:	1 TREATED RED	
Date Received:	10/29/2018	
Invoice No.:	595548	

Feed Analysis Results	As Received	100% Dry Matter
Moisture, %	11.0	
Dry Matter, %	89.0	
Crude Protein, %	19.6	22.0
Acid Detergent Fiber, % ADF	23.9	26.8
Neutral Detergent Fiber, % NDF	29.8	33.5
Total Digestible Nutrients, % TDN	62.6	70.4
Net Energy, Maint, Mcal/lb	0.67	0.75
Net Energy, Gain, Mcal/lb	0.42	0.47
Net Energy, Lact, Mcal/lb	0.65	0.73
Digestible Energy, Mcal/lb Beef D.E.	1.25	1.41
Met. Energy, Beef, Mcal/lb	1.03	1.16
Relative Feed Value, (RFV)		189
Potassium, % K	1.30	1.46

RELATIVE FEED VALUE: Formula used: $RFV = (DDM \times DMI) / 1.29$
 $DDM = 88.9 - (0.779 \times \%ADF)$
 $DMI = 120 / \%NDF$

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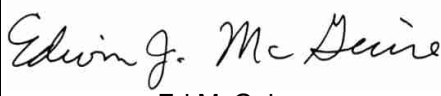
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Lab No.: 5017 **FEED ANALYSIS REPORT** Date Reported: 10/30/2018

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Results For:	RESEARCH CENTER	 Ed McGuire Data Review Coordinator
Feedstuff Description:	ALFALFA HAY	
Sample Identification:	2 UNTREATED WHITE	
Date Received:	10/29/2018	
Invoice No.:	595548	

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