ATTACHMENT 1

Section H: Soil Test Reports

SECTION H. SOIL TESTS REPORTS

Land application soil tests for nutrient application are attached. Prior to application the results will be recorded in the analysis sheets.

Cooperative Extension Service Soil Analysis Report Soil Testing And Research Laboratory Marianna, AR 72360

http://www.uark.edu/depts/soiltest

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JASON HENSON	Client ID:	8706881318
HC 72 BOX 10	<u> </u>	2, 22, 22, 24, 24, 24, 24, 24, 24, 24, 2
MTN JUDEA	AR	72655
Date Processed:	2/17/2012	
Field ID:	1	
Acres	23	
Lime Applied in the last 4 years:	No	
Leveled in past 4 years:	No	
Irrigation:	Unknown	
County:	Pope	
Lab Number:	36722	
Sample Number:	931074	
2 Sail Properties		

1. Nutrient Availability Index

iNutrient =	Conce	ntration 🗽	Soil-Test Level
	ppm_=	Ib/acre	(Mehlich 3)
P	83	166	Above Optimum
K	191	382	Above Optimum
Ca	1.397	2794	
Mg	114	22,8	
SO4-S	16	32	-
Zn	4.4	8.8	
Fe	123	246	
Mn	205	410	
Cu	1.0	2.0	
В	0.0	0.0	
NO3-N	24	48	

- — Рюроку — — — — — — — — — — — — — — — — — — —	Value	Units
Soil pH (1:2 soil-water)	6.6	<u> </u>
Soil EC (1:2 soil-water)		umhos/cm
Soil ECEC	11	cmolc/kg
Organic Matter (Loss on Ignition)		%
Estimated Soil Texture	Silt L	oam

	Estimat	ed Base Saturat	ion (%) -===	
Total	Ca	Mg	K	Na
77.2	63.6	8.7	4.5	0.5

3. Recommendations (Notice: State and/or federal nutrient management regulations may supersede these agronomic recommendations.)

	Company of the second s	T N	£205	⊟K20 =	S04St	四。	(E)	Lime
Last Crop	Pasture (207)			,	- Ib/acre -			
Crop 1	Warm-Season Grasses (MNT) (207)	60	0	0	0	0	0	0
Crop 2	Warm-Season Grasses (MNT) (207)	60	0	0	0	0	0	0
Crop 3								·

4. Crop 1 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1.

5. Crop 2 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1.

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JASON HENSON HC 72 BOX 10	Client ID:	8706881318
MTN JUDEA	AR	72655
Date Processed:	2/17/2012	
Field ID:	2	
Acres	20	
Lime Applied in the last 4 years:	No	
Leveled in past 4 years:	No	
Irrigation:	Unknown	
County:	Pope	
Lab Number:	36723	
Sample Number:	931075	

1. Nutrient Availability Index

Nutrient	Concentration =		Soil Test Fevel:
	ppm	ib/acre**	(Mehlich 3)
P	72	144	Above Optimum
K	224	448	Above Optimurn
Ca	1247	2494	·-•
Mg .	90	180	. :-
SO4-S	15	30	
Zn	3.5	7.0	-
Fe	96	192	-
Mn	235	470	
Cu ,	8.0	1.6	,
В	0.0	0.0	÷-
NO3:N	31	62	-

2. Soil Properties

Roperty =====	Se Value = E	Cunis
Soil pH (1:2 soil-water)	6.6	
Soil EC (1:2 soil-water)		umhos/cm
Soil ECEC	10	cmolc/kg
Organic Matter (Loss on Ignition)		%
Estimated Soil Texture	Silt Lo	oam

Total	Ca-	Mg	ĸ	Na
75.3	61.6	7.4	5,7	0.6

3. Recommendations (Notice: State and/or federal nutrient management regulations may supersede these agronomic recommendations.)

	en e		P205	- K20 #	\$04S1	- 5 2 0-		Lime
Last Crop	Pasture (207)				Ib/acre -			
Crop 1	Warm-Season Grasses (MNT) (207)	60	0	0	0	0.	0.	0
Crop 2	Warm-Season Grasses (MNT) (207)	60	O.	0	0	0	0	0
Crop 3								

4. Crop 1 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees. F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1.

5. Crop 2 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1.

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JASON HENSON	Client ID:	8706881318
HC 72 BOX 10		
MTN JUDEA	AR	72655
Date Processed:	2/17/2012	
Field ID:	3	
Acres	30	
Lime Applied in the last 4 years:	No	
Leveled in past 4 years:	No	
Irrigation:	Unknown	3
County:	Pope	
Lab Number:	36724	
Sample Number:	931076	
2 Soil Properties		

1. Nutrient Availability Index

- Notalente 3	Z. J. Conce	ntration	Soil Test Level 1
	ppm=#	ib/acre	(Mehlich3)
p .	42	84	Optimum
K	65	130	Low
Ca	3329	6658	-
Mg	59	118	
SO4-S	11	22.	·
Zn '	6.1	12.2	-
Fe	95	190	-
Mn	152	304	
Cu	1.6	3.2	·
В	0.0	0.0	
NO3-N	10	20	75.

2. Soil Properties

a Rioperay	e Value =	- Units C
Soil pH (1:2 soil-water)	7,5	
Soil EC (1:2 soil-water)		umhos/cm
Soil ECEC	19	cmolc/kg
Organic Matter (Loss on Ignition)		%
Estimated Soil Texture	Silty Clay Loar	n - Clay Loam

	Cestilities Cestilities Cestilities			
Total	Ca	Mg	К -	Ņa
89.7	85.8	2.5	0.9	0.4

(Notice: State and/or federal nutrient management regulations may supersede these agronomic recommendations.) 3. Recommendations

	Cop :			Elmo				
Last Crop	Pasture (207)							
Сгор 1	Warm-Season Grasses (MNT) (207)	60	0.	110	0	0	0	0
Crop 2	Warm-Season Grasses (MNT) (207)	60	0 .	110	0	0.	0	0
Crop 3								

4. Crop 1 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1. It's deficiency has occurred previously on this field apply 20 lb SO4-S/Acre.

5. Crop 2 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1. If S deficiency has occurred previously on this field apply 20 lb SO4-S/Acre.

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JASON HENSON HC 72 BOX 10	Client ID:	8706881318
MTN JUDEA	ÅR	72655
Date Processed:	2/17/2012	
Field ID:	4	
Acres	13	
Lime Applied in the last 4 years:	No	
Leveled in past 4 years:	No	,
Irrigation:	Unknown	
County:	Pope	
Lab Number:	36725	
Sample Number:	931077	

1. Nutrient Availability Index

. Note of	Conce	ntration	Soil Test Level
	ppm	lb/acre	(Mehlich3)
P	50	100	Optimum
K	120	240	Medium
Ca	1230	2460	••
Mg	118	236	
SO4-S	12	24	
Zn	2.7	5.4	
Fe	135	270	
Mn	46	92	-
Cu	0.7	1.4	4-
В	0.0	0.0	
NO3-N	15	30	

2. Soil Properties

Property = =	Value *-	== TUTILES
Soil pH (1:2 soil-water)	5.6	
Soil EC (1:2 soil-water)		umhos/cm
Soil ECEC	12	cmolc/kg
Organic Matter (Loss on Ignition)		%
Estimated Soil Texture	Silt Loam - Si	ty Clay Loam

			State of the latest th	CONTRACTOR OF THE PARTY OF
Total	Ca	Mg	K	Na
62.5	51.3	8.2	2.6	0.4

3. Recommendations (Notice: State and/or federal nutrient management regulations may supersede these agronomic recommendations.)

	Grope English and the second		[P205]	K20;	= S04S	= Zir	°jB,∂	- Lime
Last Crop	Pasture (207)	lb/acre						
Crop 1	Warm-Season Grasses (MNT) (207)	60	-0	60	Ö	0	.0	4000
Crop 2	Warm-Season Grasses (MNT) (207)	60	0	60	0	0	0	4000
Crop 3								

4. Crop 1 Notes:

Apply the recommended rates of N. P. and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1. If S deficiency has occurred previously on this field apply 20 lb SO4-S/Acre.

5. Crop 2 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1. If S deficiency has occurred previously on this field apply 20 lb SO4-S/Acre.

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JASON HENSON HC 72 BOX 10	Client ID:	8706881318
MTN JUDEA	ÁR	72655
Date Processed:	2/17/2012	
Field ID:	5	
Acres	40	
Lime Applied in the last 4 years:	No	
Leveled in past 4 years:	Ñο	
Irrigation:	Unknown	
County:	Pope	
Lab Number:	36726	
Sample Number:	931078	

1. Nutrient Availability Index

The American	Conce	intration	Soil Test Level
= Nutrienii =	pom		(Mehlich 3)
:P	65	130	Above Optimum
K	108	216	Medium
Ca	2507	5014	_
Mg	118	236	
SO4-S	12	24	
Zn	6.1	12.2	-
Fe	134	268	
Mn	128	256	
Cu	1.7	3.4	-
В	0.0	0.0	-
NO3-N	15	30	

2. Soil Properties

Rioperty	- Valus 4-	Units 🖔
Soil pH (1:2 soil-water)	6.7	
Soil EC (1:2 soil-water)		umhos/cm
Soil ECEC	1.7	cmolc/kg
Organic Matter (Loss on Ignition)		%
Estimated Soil Texture	Silty Clay Loar	n - Clay Loam

Total	Ca	Mg	К	Na
82.2	74.4	5.8	1,6	0.3

3. Recommendations (Notice: State and/or federal nutrient management regulations may supersede these agronomic recommendations.)

	The same of the sa	ENT	1203	= K20	= \$048	Zn:	1 88	Lime
Last Crop	Pasture (207)	lb/acre						
Crop 1	Warm-Season Grasses (MNT) (207)	60	.0	60	. 0.	0	0	0.
Crop 2	Warm-Season Grasses (MNT) (207)	60	0	60	0	0	0	0
Crop 3								

4. Crop 1 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1. If S deficiency has occurred previously on this field apply 20 lb SO4-S/Acre.

5. Crop 2 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1.

If S deficiency has occurred previously on this field apply 20 lb SO4-S/Acre.

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JASÓN HENSON HC 72:BOX 10	Client ID:	8706881318
MTN JUDEA	AR	72655
Date Processed:	2/17/2012	
Field ID:	6	
Acres	40	
Lime Applied in the last 4 years:	No	
Léveled in past 4 years:	No	
Irrigation:	Unknown	
County:	Pope	
Lab Number:	36727	
Sample Number:	931079	

1. Nutrient Availability Index

E' market	Conce	ntration	Soil Test Level
Nutrient	ppm:	lb/acre	(Mehlich 3)
Р	76	152	Above Optimum
К	136	272	Optimum
Ca	876	1752	
Mg	59	118	-
SO4-S	13	26	
Zn	2.1	4.2	
Fe	128	256	-
Mn	188	376	
Cu	0.5	1.0	1
В	0.0	0.0	
NO3-N	15	30	-

2. Soil Properties

· ATTIMETING IN

Para Ecoperty	Value	a Punis
Soil pH (1:2 soil-water)	6.2	
Soil EC (1:2 soil-water)		umhos/cm
Soil ECEC	8	cmolc/kg
Organic Matter (Loss on Ignition)		%
Estimated Soil Texture	Silt L	oam
		¥
=		

	- Edilosi	d Base Saturat	lon(%)	
Total	Ca	Mg	K	Na
67.8	56.4	6.3	4.5	0.6

3. Recommendations (Notice: State and/or federal nutrient management regulations may supersede these agronomic recommendations.)

# * F	· · · · · · · · · · · · · · · · · · ·	. g.ean .	P205	≅K201	Sods:	Zīj	更更	Lime
Last Crop	Pasture (207)				- Ib/acre -			3
Crop 1	Warm-Season Grasses (MNT) (207)	60	0	0	Ö	0	0	0
Crop 2	Warm-Season Grasses (MNT) (207)	60	0	0	0	0	Ò	0
Crop 3								

4. Crop 1 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1.

5. Crop 2 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1.

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JASON HENSON HC 72 BOX 10	Client ID:	8706881318
MTN JUDEA	AR	72655
Date Processed:	2/17/2012	
Field ID:	7	
Acres	150	
Lime Applied in the last 4 years:	No	
Leveled in past 4 years:	No	
Irrigation:	Unknown	
County:	Pope	
Lab Number:	36728	
Sample Number:	931080	

1. Nutrient Availability Index

Nutrient		ntration	≓Soil Test Level = •
	ppm = blacre		, ≟.≑(Mehlidh8) €
P	178.	356	Above Optimum
К	207	414	Above Optimum
Ca	1228	2456	
Mg	154	308	
SO4-S	14	28	
Zn	14.5	29.0	
Fe .	218	436	
Mn	168	336	29
Cù	3.2	6.4	w.v.
В	0.0	0.0	**
NO3-N	12	24	*-

2. Soil Properties

Property 4	Valte:	onis = s
Soil pH (1:2 soil-water)	6.3	_
Soil EC (1:2 soil-water)		umhos/cm
Soil ECEC	11	cmolc/kg
Organic Matter (Loss on Ignition)		%
Estimated Soil Texture	Silt L	.oam

	Estima	ed Base Saturat	or(%)===	
Total	Ca	Mg	K	Na
72.8	55.7	11.6	4.8	0.7

3. Recommendations (Notice: State and/or federal nutrient management regulations may supersede these agronomic recommendations.)

	A PROPERTY OF THE PROPERTY OF	N.N.	P205	K20 .	S04S	Zù?		Lime:
Last Crop	Pasture (207)				,			
Crop 1	Warm-Season Grasses (MNT) (207)	60	.0	0	0	0	0	. 0
Crop 2	Warm-Season Grasses (MNT) (207)	60	0	0	0	0	0	0
Crop 3			-	1				

4. Crop 1 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1.

5. Crop 2 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1.

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Soil Testing And Research Laboratory
Marianna, AR 72360

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JASON HENSON HC 72 BOX 10	Client ID:	8706881318
MTN JUDEA	AR	72655
Date Processed:	2/17/2012	
Field ID:	8	
Acres	12	
Lime Applied in the last 4 years:	No	
Leveled in past 4 years:	No	
Irrigation:	Unknown	
County:	Pope	
Lab Number:	36729	
Sample Number:	931081	

trient Availability Index

utriente 🐇	COnce	ntration	Soil lest Level
Pinielle X	ppm =	lb/acre	(Mehlich 3)
	46	92	Optimum
	45	90	Very Low
	1948	3896	 .
	52	104	, -
Î	8	16	24
	2.1	4.2	
	124	248	
	193	386	-
	8,0	1,6	
*	0.0	0.0	
Q ₀	6	12	-

2. Soil Properties

and Roperty	zyanie.	= Units
Soil pH (1:2 soil-water)	7.0	-
Soil EC (1:2 soil-water)		umhos/cm
Soil ECEC	12	cmolc/kg
Organic Matter (Loss on Ignition)		%
Estimated Soil Texture	Silt Loam - Si	Ity Clay Loam

			And the Party of t	_
Total	Ca	Mg	K	Na
83.8	78.9	3.5	. 0.9	0.5

commendations (Notice: State and/or federal nutrient management regulations may supersede these agronomic recommendations.)

	Crop	N.	IP205	-K20_	SOAS	. Zaf		U lino .
da	Pasture (207)				- Ib/acre			
4	Warm-Season Grasses (MNT) (207)	60	0	160	0	0.	0	0
2,7	Warm-Season Grasses (MNT) (207)	60	0	160	. 0	0.	0	0
G.								

p 1 Notes:

e recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1. Dency has occurred previously on this field apply 20 lb SO4-S/Acre.

o 2 Notes:

e recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1. ciency has occurred previously on this field apply 20 lb SO4-S/Acre.

op 3 Notes:

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JASON HENSON HC 72 BOX 10	Client ID:	8706881318
MTN JUDEA	AR	72655
Date Processed:	2/17/2012	
Field ID:	9	
Acres	40	
Lime Applied in the last 4 years:	No	
Leveled in past 4 years:	No ⁻	
Irrigation:	Unknown	Δ
County:	Pope	
Lab Number:	36730	
Sample Number:	931082	

1. Nutrient Availability Index

Nutrient '	Conce	ntration 🖢 🚉	Soil Test Level
	ppm	⇒lb/acre=	: (Mehlich 3).
Р	52	104	Above Optimum
K	45	90	Very Lów
Ca	2276	4552	
Mg	59	118	
SO4-S	9	18	
Zn	1.6	3.2	-
Fe	121	242	-
Mn	109	218	
Cu .	1.3	2.6	
В	0.0	0.0	u-
NO3-N	7	14	سمي

2. Soil Properties

1.22

- Roperty = ==================================	walue ==	of Only
Soil pH (1:2 soil-water)	7.2	
Soll EC (1:2 soil-water)		umhos/cm
Soil ECEC	14	cmolc/kg
Organic Matter (Loss on Ignition)		%
Estimated Soil Texture	Silt Loam - Sil	ty Clay Loam

Total	Ca	Mg	K	Na
85.8	81:0	3.5	0.8	0.4

3. Recommendations (Notice: State and/or federal nutrient management regulations may supersede these agronomic recommendations.)

	Grop 4.2 and a series	-TI	F P205	∌ [K2O]	¥S04S	2 0		Lime
Last Crop	Pasture (207)		4		- lb/acre -			
Crop 1	Warm-Season Grasses (MNT) (207)	60	0	160	O .	0	0	0
Crop 2	Warm-Season Grasses (MNT) (207)	60	0.	160	0	0	0	0
Crop 3	j							

4. Crop 1 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1. If S deficiency has occurred previously on this field apply 20 lb SO4-S/Acre.

5. Crop 2 Notes:

Apply the recommended rates of N. P. and K. in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1. If S deficiency has occurred previously on this field apply 20 lb SO4-S/Acre.

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http://www.uark.edu/depts/soiltest

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JASON HENSON HC 72 BOX 10	Client ID:	8706881318
MTN JUDEA	AR	72655
Date Processed:	2/17/2012	
Field ID:	10	
Acres	.35	
Lime Applied in the last 4 years:	No	
Leveled in past 4 years:	No	
Irrigation:	Unknown	
County:	Pope	
Lab Number:	36731	
Sample Number:	931,083	

1. Nutrient Availability Index

	Nutrient		Soil Test Level
	ppm!	lb/acre	(Mehlich3)
Ρ .	69	138	Above Optimum
K	114	228	Medium
Ca	2153	4306	
Mg	99	198	
SO4-S	13	26	
Zņ	3.8	7.6	
Fe	157	314	•
Mn	135	270	45
Cu	1.3	2.6	
В	0.0	0.0	
NO3-N	132	264	7.

2. Soil Properties

Soil pH (1:2 soil-water)	2.0	
	6.8	
Soil EC (1:2 soil-water)		umhós/cm
Soil ECEC	14	cmolc/kg
Organic Matter (Loss on Ignition)		%
Estimated Soil Texture	Silty Clay Loan	n - Clay Loam

Total	Ca	Mg	K	Na
82:7	74.4	5.7	2.0	0.6

3. Recommendations (Notice: State and/or federal nutrient management regulations may supersede these agronomic recommendations.)

N. E.	erop.		P205	K20	SO4S	Zn	22	Lime
Last Crop	Pasture (207)	lb/acre						
Crop 1	Warm-Season Grasses (MNT) (207)	60	.0	60	0	0	0	0
Crop 2	Warm-Season Grasses (MNT) (207)	60	O.	60	0	0	0	0 .
Crop 3				-	1			

4. Crop 1 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1.

5. Crop 2 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1.

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JASON HENSON	Client ID:	8706881318
HC 72 BOX 10		
MTN JUDEA	AR	72655
Date Processed:	2/17/2012	
Field ID:	11	
Acres	20	
Lime Applied in the last 4 years:	No	
Leveled in past 4 years:	No	
Irrigation:	Únknown.	
County:	Pope	
Lab Number:	36732	
Sample Number:	931084	
0 0 11 0 11 11		

1. Nutrient Availability Index

	Conce	ntration	Soil Test Level
Nuirient	ppm at	⊉lb/acrè ≥	r== ((Mehlich=3)
Р	57	114	Above Optimum
K .	292	584	Above Optimum
Ca	737	1474	
Mg	170	340	
SO4-S	17	34	
Zn	2.9	5.8	-
Fe	132	264	••
Mn	92	184	w/m
Cu.	0.6	1.2	֥
В	0.0	0.0	-
NO3-N	46	92	-

2. Soil Properties

467

Rroperty	William C	Units = 3
Soil pH (1:2 soil-water)	5.3	"
Soil EC (1:2 soil-water)		umhos/cm
Soil ECEC	10	cmolc/kg
Organic Matter (Loss on Ignition)		%
Estimated Soil Texture	Silt, L	oam

			The state of the state of	
Total	Ca	Mg	K	Na
56.8	35.4	13.6	7.2	0.6

3. Recommendations (Notice: State and/or federal nutrient management regulations may supersede these agronomic recommendations.)

	Crop- San		P205	K20	S04S	zie Zn	B.	Lime
Last Crop	Pasture (207)	lb/acre						15450.00
Crop 1	Warm-Season Grasses (MNT) (207)	60	0	0	0	0	0	5000
Crop 2	Warm-Season Grasses (MNT) (207)	60	0	0	0.	0 '	Q	5000
Crop 3								

4. Crop 1 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1...

5. Crop 2 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1.

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JASON HENSON HC 72 BOX 10	Client ID:	8706881318
MTN JUDEA	AR	72655
Date Processed:	2/17/2012	
Field ID:	12	
Acres	30	
Lime Applied in the last 4 years:	No	
Leveled in past 4 years:	No	
Irrigation:	Unknown	140
County:	Pope	
Lab Number:	36715	
Sample Number:	931063	

1. Nutrient Availability Index

Notifent	€ Conce	ntration	Soll Test Level
	ppm	lb/acre -	(Mehlich 3)
P	19	3,8,	Low
K	52	104	Very Lów
Ca	1173	2346	-
Mg	26	52	
SO4-S	8	16	
Zn	1.6	3.2	-
Fe	101	202	
Mn	326	652	
Cu .	0.8	1,6	
В	0.0	0.0	
NO3-N	12	24	

2. Soil Properties

, Value	
6.9	
	umhos/cm
9	cmolc/kg
	%
Silt L	oam
	9

A		ed Base Saturat		C. L. C.
Total	Ca	Mg	К	Na
71.5	66.9	2.5	1.5	0.6

3. Recommendations (Notice: State and/or federal nutrient management regulations may supersede these agronomic recommendations.)

	Grop	* N 4	P205	K20)	:S04S	-20	. B.	Lime
Last Crop	Pasture (207)							
Crop 1	Warm-Season Grasses (MNT) (207)	60	70	160	0	0	0	.0
Crop 2			12 (10)					
Crop 3								

4. Crop 1 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1. If S deficiency has occurred previously on this field apply 20 lb SO4-S/Acre.

5. Crop 2 Notes:

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JASON HENSON HC 72 BOX 10	Client ID:	8706881318
MTN JUDEA	AR	72655
Date Processed:	2/17/2012	
Field ID:	13	
Acres	60	*
Lime Applied in the last 4 years:	No	
Leveled in past 4 years:	Nó	
Irrigation:	Unknown	
County:	Pope	
Lab Number:	36716	
Sample Number:	931064	

1. Nutrient Availability Index

Nutrient	€ Conce	ntration 2	Soil Test-Level
	ppm	lb/acre	(Mehlich 3)
P	48	96	Optimum
K;	165	330	Optimum
Ca	1626	3252	
Mg	131	262	-
SO4-S	15	30	-
Zn	5.6	11.2	-
Fe	84	168	
Mn	409	818	
Cu	0.7	1.4	·
В	0.0	0.0	
NO3-N	29	:58	4.0

2. Soil Properties

Property	-Value	Units =
Soil pH (1:2 soil-water)	7:1	_
Soil EC (1:2 soil-water)		umhos/cm
Soil ECEC	12	cmolc/kg
Organic Matter (Loss on Ignition)		%
Estimated Soil Texture	Silt L	oam
		·

		eu Base Gaturat		
Total	Ca	Mg	К	Na
82.9	69.6	9.3	3.6	0.3

3. Recommendations (Notice: State and/or federal nutrient management regulations may supersede these agronomic recommendations.)

			P205	K20.	=S04S=	_ Zn 	≘B.	Lime 9
Last Crop	Pasture (207)				- lb/acre - ·			
Crop 1	Warm-Season Grasses (MNT) (207)	60	Ó	0.	. 0	0	. 0	0
Crop 2								
Crop 3								

4. Crop 1 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1.

5. Crop 2 Notes:

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	JASON HENSON	Client ID:	8706881318
	HC 72 BOX 10		
	MTN:JUDEA	AR	72655
	Date Processed:	2/17/2012	
2220000000	Field ID:	14	
	Acres	15	
	Lime Applied in the last 4 years:	No	
	Leveled in past 4 years:	No	
	Irrigation:	Unknown	
	County:	Pope	
	Lab Number:	36717	
	Sample Number:	931065	

1. Nutrient Availability Index

mar de fee	Conce	ntration 🚐	≟ a Soil/∏est Level
Novient =	ppm = 3	l alb/acre	/ (Mehlich 3)
Р	52	104	Above Optimum
K	144	288	Optimum
Ca	2840	5680	
Mg	89	178	
SO4-S	12	24	
Zn	10.8	21.6	
Fe	83	166	<u></u>
Mn ·	254	508	
Cu	1.3	2.6	i
В	0.3	0.6	
NO3-N	27	54	_

2. Soil Properties

Property 2	Z=SValue=	- Julis -
Soil pH (1:2 soil-water)	7.8	
Soil EC (1:2 soil-water)		umhos/cm
Soil ECEC.	17	cmolc/kg
Organic Matter (Loss on Ignition)		%
Estimated Soil Texture	Silty Clay Loar	n - Clay Loam
0.2 0.010 0		

	(Same	ed base saturat	ion Asi	
Total	Ca	Mg	K	Na
88.5	81.8	4.3	2.1	- 0.2

3. Recommendations (Notice: State and/or federal nutrient management regulations may supersede these agronomic recommendations.)

		N	Z P205	K20	S04S	Z)		EU me
Last Crop	Pasture (207)	Trues.			- lb/acre -			24
Crop 1	Warm-Season Grasses (MNT) (207)	60	0	0	0	0	.0	Ò
Crop 2							1	
Crop-3				1		1	1	

4. Crop 1 Notes:

Apply the recommended rates of N, P, and K; in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1. If S deficiency has occurred previously on this field apply 20 lb SO4-S/Acre.

5. Crop 2 Notes:

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JASON HENSON HC 72 BOX 10	Client ID:	8706881318
MTN JUDEA	AR	72655
Date Processed:	2/17/2012	
Field ID:	15	
Acres	65	
Lime Applied in the last 4 years:	No	
Leveled in past 4 years:	No	ž
Irrigation:	Unknown	
County:	Pope	
Lab Number:	36718	
Sample Number:	931066	

1. Nutrient Availability Index

Ton and El	Сопсе	ntration	Soil Test Level
Nutrient.	(= (sbm 4. +	Ib/acre	— .(Mehlich 3).
Ρ	15	30	Very Low
ĸ	86	172	Lów
Ca	525	1050	
Mg	50	100	
SO4-S	11	22	4-
Zn	1.8	3.6	
Fe ,	110	220	
Mn ⁻	382	764	-
Çu	0.4	8.0.	-
В	0.0	0.0	-
NO3-N	10	20	<u></u>

2. Soil Properties

c− _ Brogeriy =	Value	Lilis
Soil pH (1:2 soil-water)	5:8	
Soil EC (1:2 soil-water)		umhos/cm
Soil ECEC	7	cmölc/kg
Organic Matter (Loss on Ignition)		%
Estimated Soil Texture	Silt L	oam

	Estimal	ed Base Saturat	[on //s] <u>= =</u>	
Total	Ca	Mg	К	Na
45.3	35.9	5.7	3.0	0.8

3. Recommendations (Notice: State and/or federal nutrient management regulations may supersede these agronomic recommendations.)

	Grop ⊆	- DF	<u>1</u> 205	1320	800.18	Zor	+ B	Lume)
Last Crop	Pasture (207)				- Ib/acre	-,		
Crop 1	Warm-Season Grasses (MNT) (207)	60	100	110	. 0	0	0	0
Crop 2								
Crop 3								

4. Crop 1 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1.

If S deficiency has occurred previously on this field apply 20 lb SO4-S/Acre.

5. Crop 2 Notes:

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JASON HENSON HC 72 BOX 10	Client ID:	8706881318
MTN JUDEA	AR	72655
Date Processed:	2/17/2012	
Field ID:	16	
Acres	60	
Lime Applied in the last 4 years:	No	
Leveled in past 4 years:	No ,	
Irrigation:	Unknown	
County:	Pope	,
Lab Number:	36719	
Sample Number:	931067	

1. Nutrient Availability Index

Notrient	Conce	ntration 32	Soil Test Level
	ppm	_lb/acre ⊡	(Mehilich 3)
P.	48	96	Optimum
K	160	320	Optimum
Ca	632	1264	-
Mg	89	178	۵.
SO4-S	1-1	22	·
Zn	2.4	4.8	-
Fe	136	272	
Mn	142	284	
Cu	0.8	1.6	.
В	0.0	-0.0	
NO3-N	6	12	

2. Soil Properties

Fig. 4. Property	Value	Unio :
Soil pH (1:2,soil-water)	5.4	
Soil EC (1:2 soil-water)		umhos/cm
Soil ECEC	9	cmolc/kg
Organic Matter (Loss on Ignition)		%
Estimated Soil Texture	Sitt L	oam

Total	Ca	Mg	Ķ	Na
49.2	35.6	8.4	4.6	0.6

3. Recommendations (Notice: State and/or federal nutrient management regulations may supersede these agronomic recommendations.)

		ŢΝ.	P205	K20=	\$04S	Zn Z	■ B . •	Lime
Last Crop	Pasture (207)				lb/acre			
Crop 1	Warm-Season Grasses (MNT) (207)	60	0	0	0	0	0	5000
Crop 2		1						
Crop 3								

4. Crop 1 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1. If S deficiency has occurred previously on this field apply 20 lb SO4-S/Acre.

5. Crop 2 Notes:

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JASON HENSON	Client ID:	8706881318
HC 72 BOX 10		
MTN JUDEA	AR	72655
Date Processed:	2/17/2012	
Field ID:	17	
Acres	110	
Lime Applied in the last 4 years:	Nó	
Leveled in past 4 years:	No	
Irrigation:	Unknown	
County:	Pope.	
Lab Number:	36720	
Sample Number:	931068	

1. Nutrient Availability Index

Nutrient	Conce	ntration=	- Soil₁Test Level
	ppm	iblacre ::	==(Mehlich 3)==
P	5,0	100	Optimum
К	57·	114	Very Low
Ca	1641	3282	
Mg	49	98	-
SO4-S	10	20	
Zn	3.6	7.2	÷-
Fe	139	278	
Mn	1.81	362	
Cu	1.0	2.0	
В	0,0	0.0	
NO3-N	15	30	-

2. Soil Properties

Property :	Value	o Dale -
Soil pH (1:2 soil-water)	7.5	
Soil EC (1:2 soil-water)		umhos/cm
Soil ECEC	1.1	cmolc/kg
Organic Matter (Loss on Ignition)		%
Estimated Soil Texture	Silt L	oam
		,
0.00		

	≘ = Estimat	ed Basa Salural	lon (%);===;=	₹., <u>.</u>
Total	Ca	Mg	K	Na
81.5	75.9	3.8	1.4	0.5

3. Recommendations (Notice: State and/or federal nutrient management regulations may supersede these agronomic recommendations.)

	Crop To San Company	I N	= P203	[K20]	S04S	Zh,		Lime
Last Crop	Pasture (207)							
Crop 1	Warm-Season Grasses (MNT) (207)	60	0	160	0	.0	0	0
Crop 2				1				
Crop 3				10				

4. Crop 1 Notes:

Apply the recommended rates of N, P, and K, in spring when night temperatures are > 60 degrees F for 1 week. For higher production, topdress an additional 60 lb N/Acre after every 4 to 6 weeks of grazing. For fall grazing apply 50 lb N/Acre in early August. Do not apply N after September 1. If S deficiency has occurred previously on this field apply 20 lb SO4-S/Acre.

5. Crop 2 Notes: