



Chemical Wormer/Hybrix Free Choice Study of 700 Grazing Sheep

CASE STUDY: Daniel H. Bornreger • Bethany, Missouri

Sheep
Beef Cattle Parasite Evaluation Form PEC: ☐ Mail in: ☐

Date Samples Collected: CHECKED JUN 02 2012

Ranch or Farm: _____

Producer's Name: Daniel Bornreger

Address: 16627 W. State Hwy

City: Bethany State: MO Zip: 64424

Phone: 660-425-9628 Fax: _____

Laboratory Consultant: Gene White Page ☐ of ☐

Sponsor: Husband Feeds

Sponsor Contact: Bruce Knappek

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ E-mail: _____ Fax: _____

Representative Name: Wendell Hester

Animal ID	Cow/Bull	Stocking Calf	Backgrounder Calf	Heifer/Steer	Feeder	Sample ID	Stomach Worm	Heartworm	Copperia	Hookworm	Threadworm	Whipworm	Monilar Worm	Tapeworm	Coccidia	Total Count	EPR	Treatment Date	Product Used	Formulation
27	HH					2										183				
28	HH					1										91				
29	HH					9										146				
30	HH															62				
31	HH															123				
32	HH					8										231				
33	HH					3										197				
34	HH															1001				
35	HH					5										179				

COMMENTS: Before Hybrix F.C. was Introduced

Mark these columns with a + (1-10), X (11-50), or * (51-100)

(X 150) = _____

Average eggs/3gram X 150 = _____ Eggs Shed/Pound of Manure

Dr. Gene White
Animal Production Consulting Inc.
1325 Twin Ridge Road
Unionville, MO 64480
Phone: 660-425-9628

1. June 2, 2012

To this point the farmer used a Chemical Wormer program to manage parasites in his flock. In June 2012 fecal samples were collected at random for evaluation.

Form was completed prior to introducing NWM Hybrix Free Choice to the flock of nearly 700 sheep.



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Chemical Wormer/Hybrix Free Choice Study of 700 Grazing Sheep

CASE STUDY: Daniel H. Borntrager • Bethany, Missouri

Sheep Cattle Parasite Evaluation Form

PEC: ☐ Mail In: ☒ Page 1 of 2

Date: CHECKED JUL 23 2012 Consultant: Gene White

Ranch/Farm: _____ Sponsor: Hubbard Feeds Inc.

Producer: Daniel Borntrager Sponsor Contact: Robert Krajicek - robert.krajicek@hubbardfeeds.com

Address: _____ Address: 760 N. Rhode Avenue

City: Bethany County: _____ City: Kansas City State: MO Zip: 64162

State: MO Zip: _____ Phone: _____ Phone: 816-762-0881 Fax: _____ E-Mail: gaw@nwb.com

E-mail: _____ Cell: _____ Representative: W. Stader E-Mail: _____

Animal ID	Countball	Swabbing Cell	Backgrounding Cell	Welter	Stocker	Feeder	Dry Lot	Penning	Sample ID	Quarantined Worms	Nematodes	Coccidia	Trichostrongylus	Haemonchus	Wolbachia	Monilium Worm	Tegastoma	Coccidia	Total Count	Treatment Date	Product
4	HH								4										500+		
5	HH								5										268		
6	HH								6										500+		
7	HH								7										69		
8	HH								8										133		
9	HH								9										179		
10	HH								10										322		
11	HH								11										243		
12	HH								12										168		
13	HH								13										76		
14	HH								14										291		
15	HH								15										500+		
16	HH								16										213		
17	HH								17										116		
18	HH								18										366		
19	HH								19										0		
20	HH								20										37		
21	HH								21										500+		
22	HH								22										49		
23	HH								23										119		

1 week after Hybrix F.C. was introduced

Gene White, DVM, MS
Animal Production Consulting, Inc.
1320 Twin Ridge Road
Lincoln, NE 68510
Phone: 402/489-8223
E-Mail: gwhite@nebrr.com

++ 1-10, +++ 11-50, ++++ 51 or more
Counts on 3 gm sample

2. July 23, 2012

This fecal evaluation was collected randomly and compiled with no additional Chemical Wormer treatment given after June, 2012.

Form was completed 1 week after introducing NWM Hybrix Free Choice.

Sheep Cattle Parasite Evaluation Form

PEC: ☐ Mail In: ☒ Page 1 of 2

Date: CHECKED SEP 19 2012 Consultant: Gene White

Ranch/Farm: _____ Sponsor: Hubbard Feeds

Producer: Daniel Borntrager Sponsor Contact: Gus Krajicek

Address: _____ Address: 7640 NW Rhode Ave.

City: _____ County: _____ City: Kansas City State: MO Zip: 64152

State: _____ Zip: _____ Phone: _____ Phone: 816-762-0881 Fax: _____ E-Mail: gwhite@nwb.com

E-mail: _____ Fax: _____ Representative: Glen Gatzert E-Mail: _____

Animal ID	Countball	Swabbing Cell	Backgrounding Cell	Welter	Stocker	Feeder	Dry Lot	Penning	Sample ID	Quarantined Worms	Nematodes	Coccidia	Trichostrongylus	Haemonchus	Wolbachia	Monilium Worm	Tegastoma	Coccidia	Total Count	Treatment Date	Product
37	HH								37										33		
38	HH								38										22		
39	HH								39										49		
40	HH								40										63		
41	HH								41										133		
42	HH								42										75		
43	HH								43										19		
44	HH								44										4		
45	HH								45										76		
46	HH								46										169		

8 weeks after Hybrix F.C.

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++ 1-10, +++ 11-50, ++++ 51 or more
Counts on 3 gm sample

3. September 19, 2012

This fecal evaluation was collected randomly and compiled with no additional Chemical Wormer treatment given after June, 2012.

NWM Hybrix Free Choice was introduced to the flock approximately 8-weeks prior to this evaluation.



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Chemical Wormer/Hybrix Free Choice Study of 700 Grazing Sheep

CASE STUDY: Daniel H. Borntreger • Bethany, Missouri

Sheep
Beef Cattle Parasite Evaluation Form PEC: ☐ Mail in: ☐
Date Samples Collected: CHECKED NOV 10 2012
Ranch or Farm: _____
Producer's Name: Daniel Borntreger
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____ E-mail: _____ Fax: _____

Laboratory Consultant: Gene White Page ☐ of ☐
Sponsor: Hubbard Feeds
Sponsor Contact: Robert Krueger
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____ E-mail: _____ Fax: _____
Representative Name: W. White Fax: _____

Animal ID	Cow/Bull	Suckling Calf	Backgrounding Calf	Heifer/Stecker	Feeder	Dry/Low	Sample ID	Stomach Worm	Nematodes	Cooperia	Hopeworm	Threadworm	Whiteworm	Nodeus Worm	Tapeworm	Coccidia	Total Count	EPC	Treatment Date	Product Used	Formulation
1							1	+									32				
2							2	+									6				
3							3	+									13				
4							4										0				
5							5										0				
6							6	+									19				
7							7	+									46				
8							8										0				
9							9										0				
10							10	+			+						57				
11							11										0				
12							12										0				
13							13	+									6				
14							14	+									12				
15							15										0				
16							16	+									19				
17							17	+									13				

COMMENTS: _____

Mark these columns with a: (1-10), ++ (11-50), +++ (51-150), (X 150) =

Dr. Gene White
Animal Production Consulting, Inc.
13201 Twin Ridge Rd.
Lincoln, NE 68510
Phone: 402-489-4223

4. November 10, 2012

This fecal evaluation was collected randomly and compiled with no additional Chemical Wormer treatment given after June 2, 2012.

NWM Hybrix Free Choice was introduced to the flock approximately 14-weeks (90 days) prior to this evaluation.

This evaluation shows a substantial reduction in parasitic counts as compared to previous evaluations.

Daniel Borntreger expressed optimism with the performance of the mineral this far.

Summary of Reduction in Parasitic Activity by Introducing Hybrix Free Choice Mineral

	Introducing Hybrix Free Choice	Average Total Parasitic Count
June	Prior to Using NWM	245.00
July	After One Week	233.00
September	After 8 Weeks	63.60
November	After 14 Weeks (90 Days)	13.41



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