



Hybrix Free Choice Mineral



Chemical Wormer/Hybrix Free Choice Study of 700 Grazing Sheep

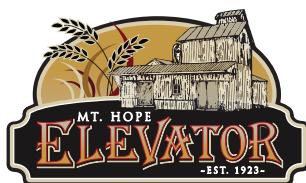
CASE STUDY: Daniel H. Borntreger • Bethany, Missouri

Beef Cattle Parasite Evaluation Form										PEC: <input type="checkbox"/>	Mall in: <input type="checkbox"/>	Page <input type="checkbox"/> of <input type="checkbox"/>												
Date Samples Collected: <u>CHECKED JUN 02 2012</u>										Laboratory Consultant: <u>Gene White</u>														
Ranch or Farm:										Sponsor: <u>Husband Feeds</u>														
Producer's Name: <u>Daniel Barntrup</u>										Sponsor Contact: <u>Chris Kriepke</u>														
Address: <u>1666 97 W. State Hwy 4</u>										Address:														
City: <u>Bethany</u> State: <u>MO</u> Zip: <u>64424</u>										City:			State: <input type="checkbox"/> Zip: <input type="checkbox"/>											
Phone: <u>660-425-8629</u> Fax: <u></u>										Phone: <input type="checkbox"/> E-mail: <input type="checkbox"/>			Fax: <input type="checkbox"/>											
Animal ID Cow/Bull Stockling Calf Backfinneder Calf Heifer/Stocker Feeder										Clinical Impression														
Off Lot Pasture										Sample ID	Stomach Worm	Hemagglutins	Coprota	Hookworm	Threadworm	Whipworm	Nodular Worm	Tapeworm	Coccidia	Total Count results in eggs/gm sample	EPG	Treatment Date month/day/year	Product Used	Formulation (if product is a mixture check both)
27	111	2								+	183													
28	111	1								+	91													
29	111	9								+	146													
30	111									+	62													
31	111									+	123													
32	111	8								+	231													
33	111	3								+	197													
34	111									+	100+													
35	111	5								+	179													
COMMENTS: <u>Before HyBrix F.C. was Introduced</u>										Mark these columns with a + (1-10), ++ (11-50), + + + (>51)														
										(X 150) = Average eggs/gm X 150 = Eggs Shed/Pound of Manure														
										Dr. Gene White Animal Production Consulting Inc. 1320 Twin Ridge Road Madison, MO 68300 (402) 403-3213														

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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Hybrix Free Choice Mineral

Chemical Wormer/Hybrix Free Choice Study of 700 Grazing Sheep

CASE STUDY: Daniel H. Borntreger • Bethany, Missouri

Sheep Cattle Parasite Evaluation Form

PEC: Mail In: Page / of 2

Date: CHECKED JUL 23 2012 Consultant: Gene White

Ranch/Farm: Sponsor: Hubbard Feeds Inc.

Producer: Daniel Borntreger Sponsor Contact: Robert Kraljek - robert.kraljek@hubbardfeeds.com

Address: Address: 760 N. Rhode Avenue

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

Phone: 816-752-0881 Fax: E-Mail: see above

E-mail: Cell: Representative: W. H. H. H. E-Mail:

Animal ID	Constitutive	Breeding Calf	Background Calf	Heller	Stockers	Feeders	Dry Lot	Pastures	Sample ID	Stomach Worms	Nematodes	Coprodes	Hodgeman	Threadworm	Whipworm	Nodular Worm	Coccidom	Total Count	Scoring	Treatment Date	Product
4	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	500+			
5	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	168			
6	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	500+			
7	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	67			
8	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	153			
9	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	199			
10	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	322			
11	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	243			
12	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	168			
13	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	76			
14	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	171			
15	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	500+			
16	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	213			
17	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	116			
18	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	365			
19	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	0			
20	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	37			
21	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	500+			
22	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	19			
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; ++= 11-20; +++= 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 / of 2

Date: CHECKED SEP 19 2012 Consultant: Gene White

Ranch/Farm: Sponsor: Hubbard Feeds

Producer: Daniel Borntreger Sponsor Contact: Gus Kraljek

Address: Address: 2040 NW Rhode Ave.

City: Kansas City State: MO Zip: 64152

Phone: 816-752-0881 Fax: E-Mail: rebuttal@hubbardfeeds.com

E-mail: Cell: Representative: W. H. H. H. E-Mail:

Animal ID	Constitutive	Breeding Calf	Background Calf	Heller	Stockers	Feeders	Dry Lot	Pastures	Sample ID	Stomach Worms	Nematodes	Coprodes	Hodgeman	Threadworm	Whipworm	Nodular Worm	Coccidom	Total Count	Scoring	Treatment Date	Product
37	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	23			
38	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	22			
39	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	49			
40	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	63			
41	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	133			
42	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	75			
43	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	19			
44	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	16			
45	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	16			
46	++	++	++	++	++	++	++	++	++	+	+	+	+	+	+	+	+	165			

8 weeks after Hybrix F.C.

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; ++= 11-20; +++= 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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Summary of Reduction in Parasitic Activity by Introducing Hybrix Free Choice Mineral

Introducing Hybrix Free Choice

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

Average Total Parasitic Count



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