Availa® 4

Improve Health Upon Arrival

Feed 7 grams Availa 4 during the receiving period

20%
FEWER PULLS

BACKGROUND

A comprehensive meta-analysis was conducted to examine the health and performance responses associated with feeding organic zinc, manganese, copper and cobalt from Zinpro Performance Minerals® (ZPM) in receiving cattle diets. The analysis represents 426 pens from 19 studies conducted between 1994 and 2017 at university and commercial feedlot facilities.
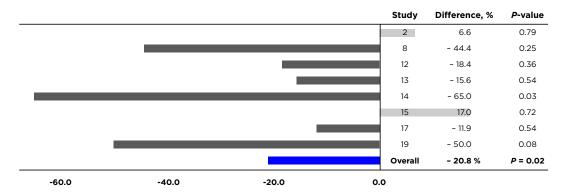
OVERVIEW

Study	Location	Year	Initial BW, lb	Pens/Trt	Head/Pen	Product	Duration, d
1	N. Carolina	1994	454	31	1	4-Plex	28
2	Kansas	1996	257	4	20	4-Plex	28
3	Kansas	1996	251	4	21	4-Plex	28
4	Colorado	1997	471	22	1	4-Plex	42
5	Colorado	1998	297	23	1	Availa 4	56
6	Texas	2001	510	2	10	ZPM	28
7	Colorado	2003	582	16	9	Availa 4	28
8	Colorado	2006	552	12	10	Availa 4	28
9	Iowa	2006	495	4	6	Availa 4	28
10	Colorado	2008	508	12	9	Availa 4	27
11	Kansas	2009	794	10	60	Availa 4	62
12	Alberta	2011	619	10	227	Availa 4	70
13	Arkansas	2012	527	12	12	Availa 4	42
14	New Mexico	2013	552	12	11	Availa 4	56
15	New Mexico	2013	552	12	11	Availa 4	56
16	Iran	2013	552	5	10	Availa 4	42
17	Arkansas	2015	529	10	12	Availa 4	42
18	Kansas	2017	511	6	15	Availa 4	45
19	Oregon	2017	568	6	5	Availa 4	45

Note: Not all variables were measured in each individual study (DM Intake = 16; Daily Gain = 19; Morbidity = 8).
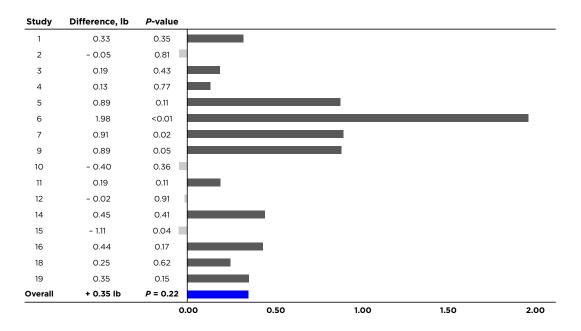
EFFECT OF ZPM SUPPLEMENTATION ON
MORBIDITY OF NEWLY RECEIVED FEEDLOT CATTLE

Study	Difference, %	P-value
2	6.6	0.79
8	– 44.4	0.25
12	– 18.4	0.36
13	– 15.6	0.54
14	– 65.0	0.03
15	17.0	0.72
17	– 11.9	0.54
19	– 50.0	0.08
Overall	**– 20.8 %**	**P = 0.02**

-60.0   -40.0   -20.0   0.0

EFFECT OF ZPM SUPPLEMENTATION ON
DRY MATTER INTAKE OF NEWLY RECEIVED FEEDLOT CATTLE

Study	Difference, lb	P-value
1	0.33	0.35
2	– 0.05	0.81
3	0.19	0.43
4	0.13	0.77
5	0.89	0.11
6	1.98	<0.01
7	0.91	0.02
9	0.89	0.05
10	– 0.40	0.36
11	0.19	0.11
12	– 0.02	0.91
14	0.45	0.41
15	– 1.11	0.04
16	0.44	0.17
18	0.25	0.62
19	0.35	0.15
Overall	**+ 0.35 lb**	**P = 0.22**

0.00   0.50   1.00   1.50   2.00

SUMMARY

- Feeding Availa® 4 resulted in the following responses vs. inorganic controls:
  - A 0.35 lb increase in DM intake (P = 0.22)
  - A 0.09 lb improvement in daily gain (P = 0.03)
  - A 20.8% reduction in morbidity (P = 0.02)

- Feeding Availa 4 represents a reliable program to improve performance and health of newly received feedlot cattle

ZINPRO®

For more information: contact your Zinpro representative or visit **zinpro.com/beef**