



# Zinpro® Availa® 4

## Improve Health Upon Arrival

### Background

A comprehensive meta-analysis examined the health and performance responses associated with feeding organic zinc, manganese, copper and cobalt from Zinpro® Performance Minerals® (ZPM) in receiving diets. The analysis represents 524 pens from 23 studies conducted between 1994 and 2021 at university and commercial feedlot facilities.

### Overview

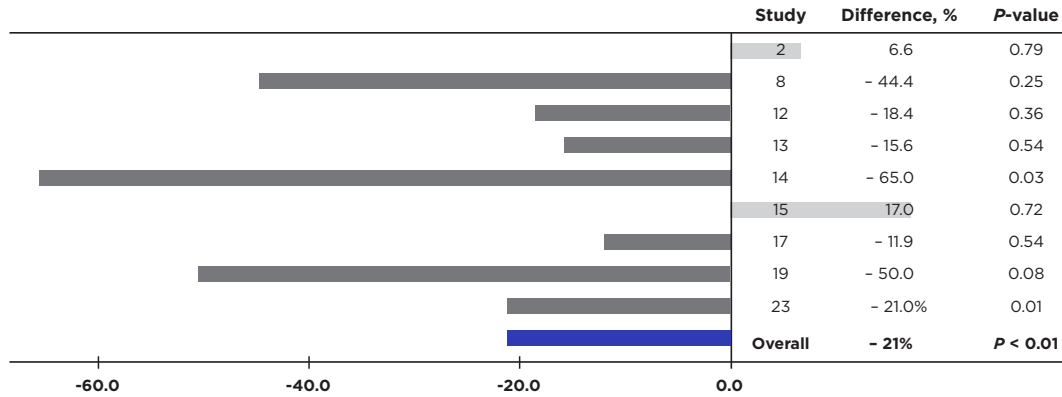
Study	Location	Year	Initial BW, lb	Pens/Trt	Head/Pen	Product	Duration, d
1	N. Carolina	1994	454	31	1	4-Plex	28
2	Kansas	1996	257	4	20	4-Plex	28
3	Kansas	1996	251	4	21	4-Plex	28
4	Colorado	1997	471	22	1	4-Plex	42
5	Colorado	1998	497	23	1	Availa 4	56
6	Texas	2001	510	2	10	ZPM	28
7	Colorado	2003	582	16	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
20	S. Dakota	2020	529	5	5	Availa 4	42
21	S. Dakota	2021	565	8	8	Availa 4	49
22	Iowa	2021	652	24	1	Availa 4	42
23	Arkansas	2021	508	12	12	Availa 4	42

Note: Not all variables were measured in each individual study (DM Intake = 19; Daily Gain = 23; Morbidity = 9).

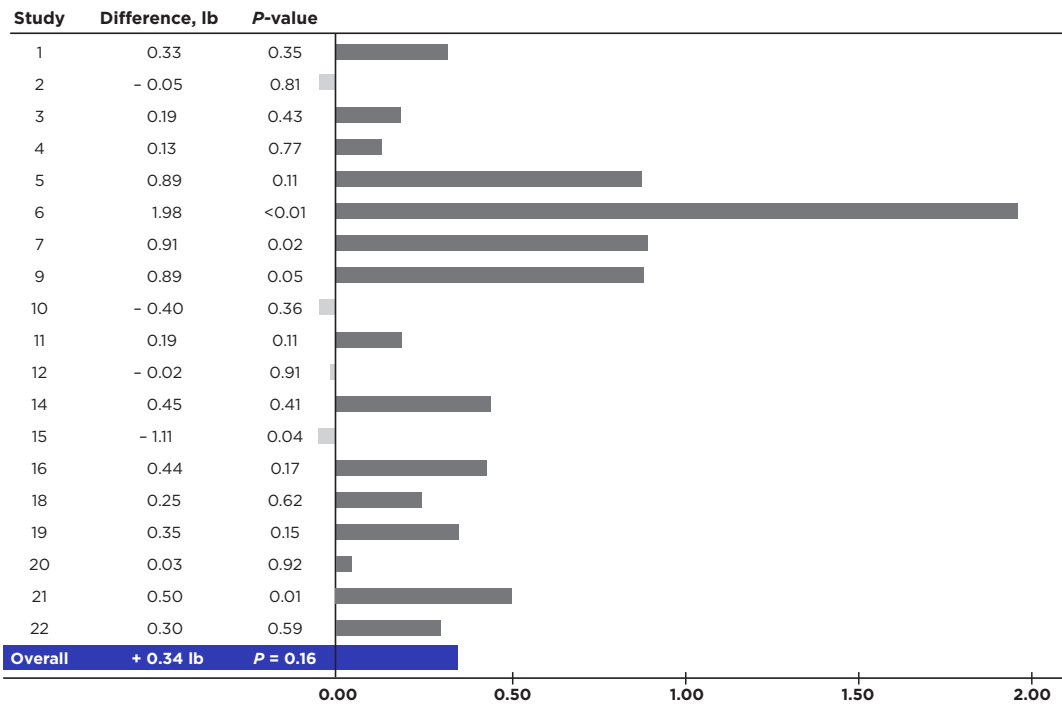
**Feed 7 grams**  
Zinpro Availa 4 during  
the receiving period

**20%**  
**FEWER PULLS**

## Effect of ZPM Supplementation on Morbidity of Newly Received Feedlot Cattle



## Effect of ZPM Supplementation on Dry Matter intake of Newly Received Feedlot Cattle



### Summary

- Feeding Zinpro® Availa® 4 resulted in the following responses vs. inorganic controls:
  - A 0.34 lb increase in DM intake ( $P = 0.16$ )
  - A 0.11 lb improvement in daily gain ( $P < 0.01$ )
  - A 21.0% reduction in morbidity ( $P < 0.01$ )

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



For more information:  
contact your Zinpro  
representative or visit  
[zinpro.com/beef](http://zinpro.com/beef)