



**Feed 5 grams** of  
Zinpro Availa Zn  
throughout the  
finishing period

**20%**  
**REDUCTION IN  
MORTALITY**

# Zinpro® Availa® Zn

## Reduce Feedlot Mortality

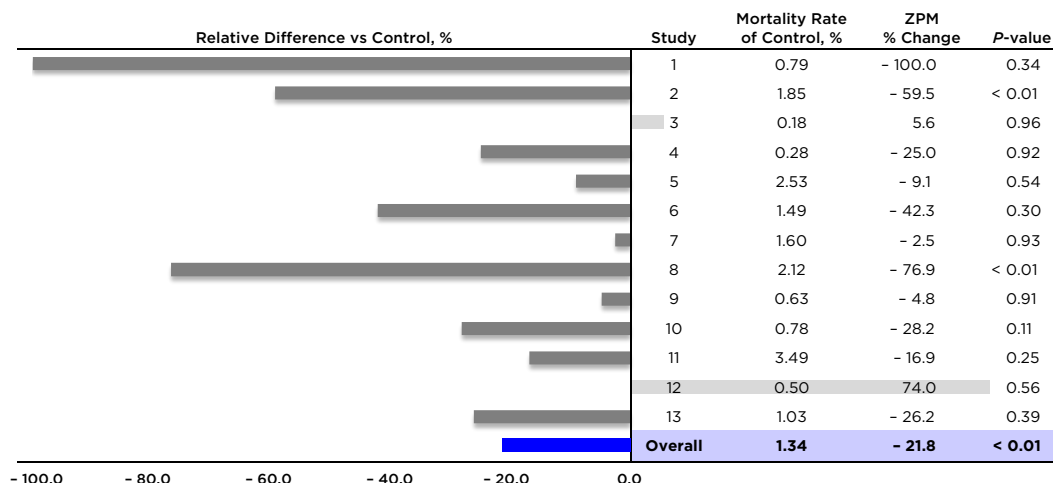
A comprehensive meta-analysis evaluated the effect of supplemental zinc (Zn) from Zinpro® Performance Minerals® (ZPM; ZINPRO®, Zinpro® Availa® Zn) on mortality of feedlot cattle. The analysis included more than 28,500 head of cattle from 13 studies conducted at commercial feeding facilities in the U.S., Canada and Mexico.

- All studies evaluated Zn from ZPM vs. conventional inorganic Zn.
- Variables analyzed included total mortality, and mortality not associated with bovine respiratory disease (BRD).
- Each study was weighted to calculate mean effect size. More precise studies were assigned greater weight than less precise studies. This precision was influenced by a greater number of pens, less variation between pens, or both.

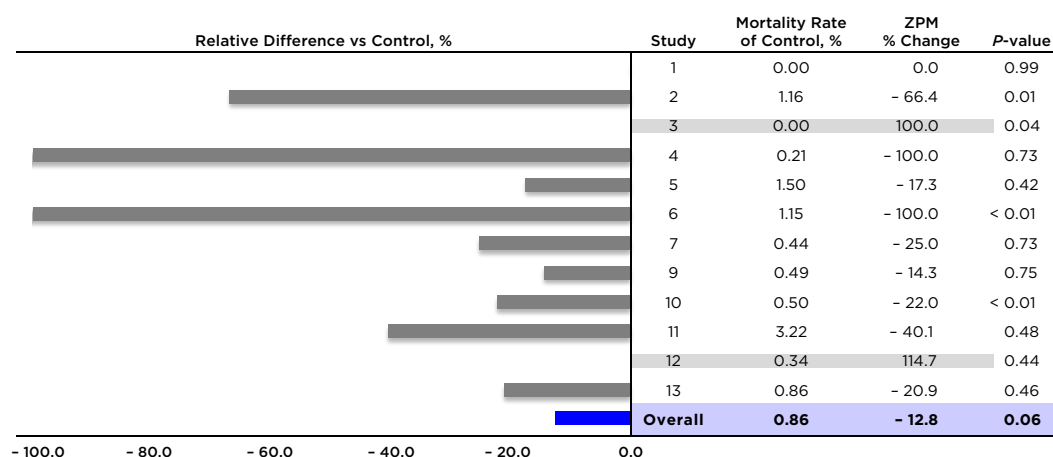
### OVERVIEW

Study	Location	Year	Initial BW, lb	DOF	Pens/Trt	Head/Pen	Product	Rate, ppm
1	Kansas	1987	752	115	6	42	ZINPRO	38
2	Kansas	1987	616	133	6	45	ZINPRO	44
3	Texas	1988	732	127	6	88	ZINPRO	43
4	Texas	1989	813	122	6	76	ZINPRO	40
5	Kansas	2002	550	215	6	98	ZINPRO	47   103
6	Kansas	2006	684	181	8	72	ZINPRO	42
7	Oklahoma	2007	652	179	8	80	ZINPRO	43
8	Kansas	2010	794	154	10	60	ZINPRO	39
9	Texas	2011	759	154	16	90	ZINPRO	38   69
10	Texas	2011	770	170	20	90	ZINPRO	36
11	Alberta	2012	620	253	10	240	Availa Zn	39
12	Mexico	2017	550	174	10	150	Availa Zn	46
13	S. Dakota	2019	889	179	10	315	Availa Zn	37

## EFFECTS OF FEEDING ZN FROM ZPM ON TOTAL MORTALITY IN FEEDLOT CATTLE



## EFFECTS OF FEEDING ZN FROM ZPM ON NON-BRD MORTALITY IN FEEDLOT CATTLE



### SUMMARY

- Feeding Zn from ZPM continuously throughout the feeding period resulted in a 22% reduction in total mortality and a 13% reduction in non-BRD mortality.
- This is supported by additional research which demonstrates the role of supplemental Zn from ZPM in mitigating the effects of heat stress, reducing the incidence of infectious lameness, and improving overall health of feedlot cattle.
- Feeding 5 grams of Zinpro Availa Zn represents an effective strategy to improve animal health and reduce mortality during the finishing period.



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