

KemTRACE[®] CHROMIUM FOR FEEDLOTS

KemTRACE[®] Chromium is a highly bioavailable, organic source of chromium that helps improve glucose utilization for increased cellular energy and function. This results in better animal maintenance, growth, and immunity.

KemTRACE Chromium is supported by more than **20 years of university and commercial research** and is the only U.S. Food and Drug Administration-reviewed form of chromium propionate.

What can animals do with more glucose?



Improve immune function



Optimize performance during high metabolic demands



Increase muscling



Increase feed efficiency



Withstand effects of heat/cold stress

HOW KemTRACE[®] CHROMIUM WORKS

ACTIVATES INSULIN RECEPTORS



MORE GLUCOSE ENTERS CELL



MORE ENERGY AVAILABLE

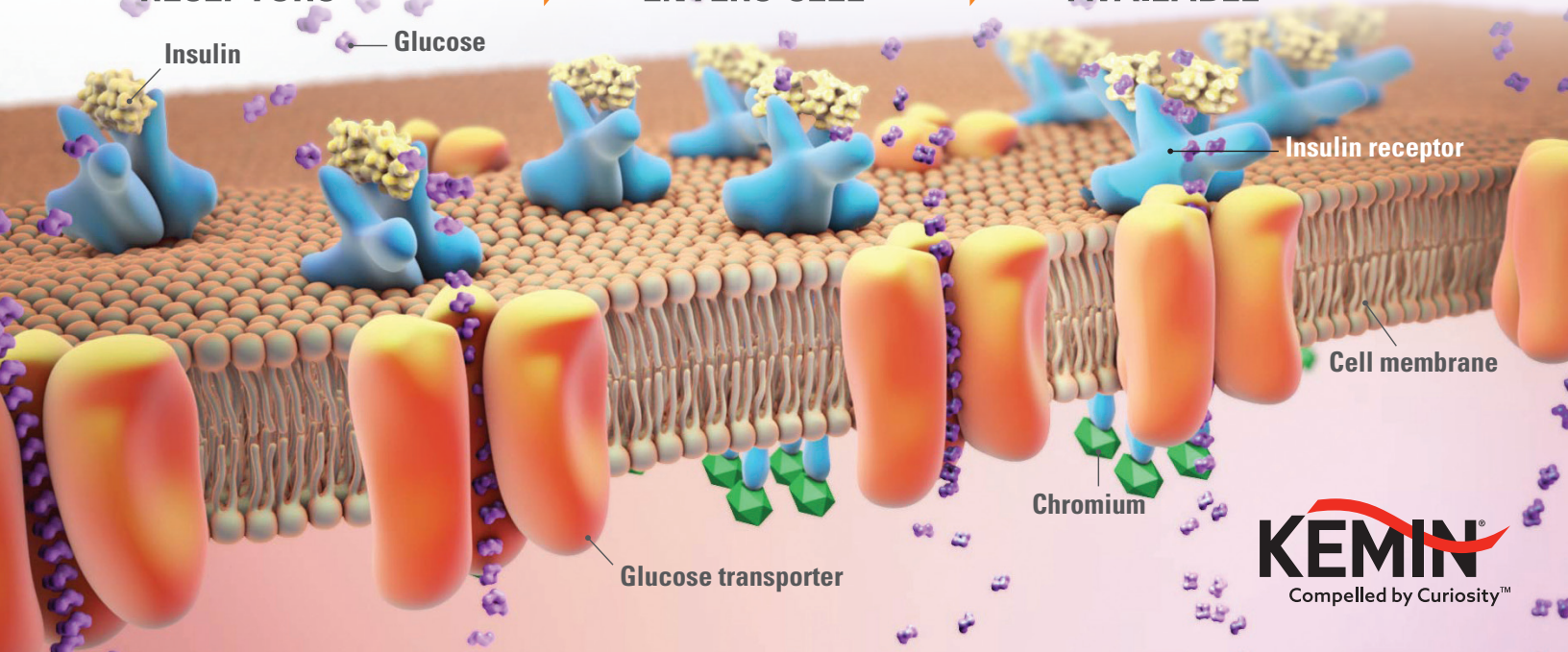
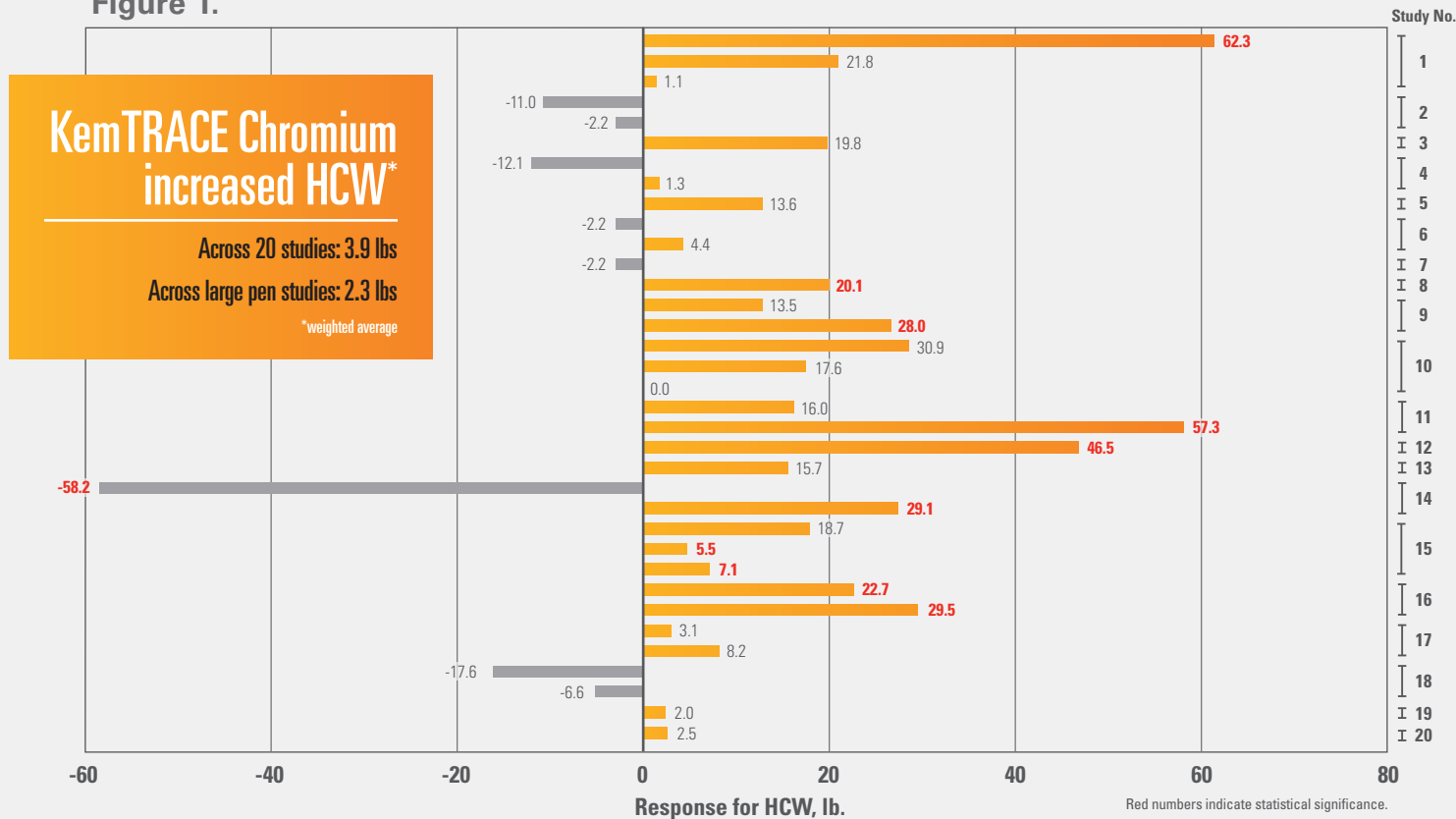


Figure 1.



KemTRACE® Chromium in the Feedlot: Performance and Animal Health Data¹

Table 1. Performance Data of Receiving Cattle²

Item	Treatment ^a		P-value
	CON	CHR	
Pens, n	12	12	
BW, lb			
Initial ^b	483	485	0.86
Day 56	633	642	0.95
ADG, lb			
Initial to Day 56	2.67	2.8	0.95
DMI, lb/d			
Day 0 to 56	12.04	12.3	0.7
F:G			
Day 0 to 56	4.51	4.47	-

^a CON = placebo control; CHR = 450 ppb DM chromium.

^b Initial = average of d -1 and d 0 BW.

Table 2. Affects on Health of Receiving Cattle²

Item	Treatment ^a		P-value
	CON	CHR	
BRD1, % ^b	43.93	35.82	0.03
BRD2, % ^c	23.37	16.27	0.47
Respiratory mortality, % ^d	4.23	3.34	0.95
Days to			
1st Treatment	13.4	9.2	0.04
2nd Treatment	21.1	21.6	0.91
Antimicrobial cost, \$/hd ^e	12.45	6.15	0.13

^a CON = placebo control; CHR = 450 ppb DM chromium.

^b Percentage of steers treated for BRD at least once

^c Percentage of steers treated for BRD at least twice

^d Pooled standard error of the mean

^e Antimicrobial cost assumes the following: \$0.59/mL for florfenicol (Nuflor®, Intervet Inc.), \$0.47/mL for enrofloxacin (Baytril®, Bayer Aktiengesellschaft), \$2.00/mL for ceftiofur crystalline free acid (Excede®, Zoetis Services LLC).

Scan to watch the
KemTRACE Chromium
Mode of Action Video:



Scan to learn more
about KemTRACE
Chromium:



In another study, the number of cattle treated for disease was reduced from 25.85% to 7.48% in cattle fed KemTRACE Chromium³

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kemin.com/chromium

REFERENCES

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