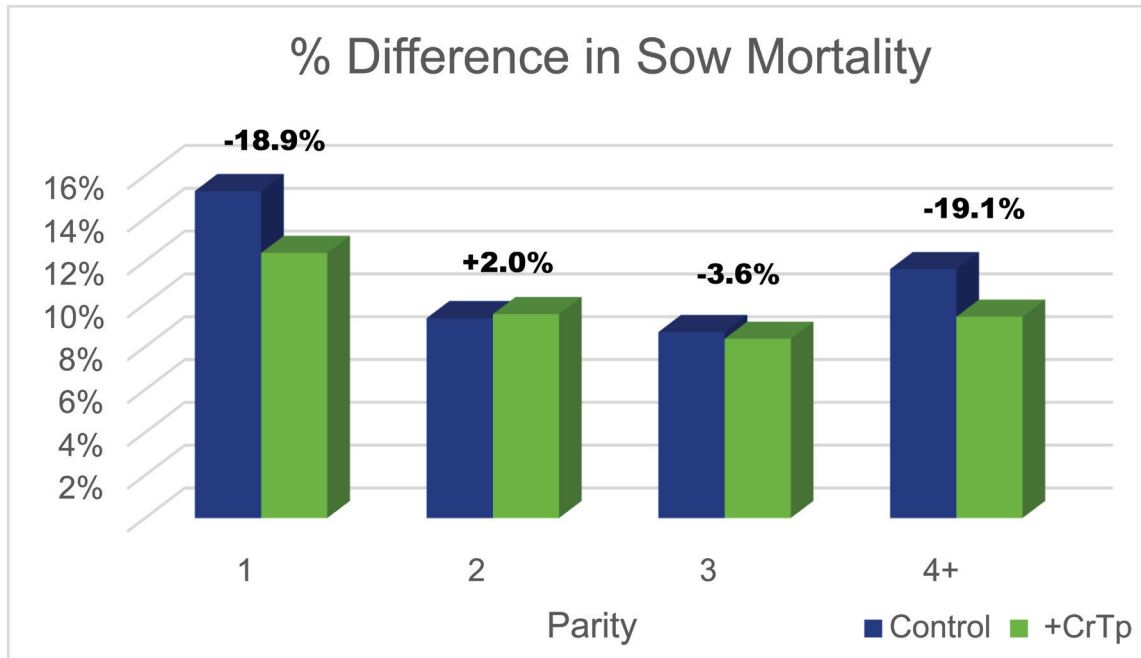
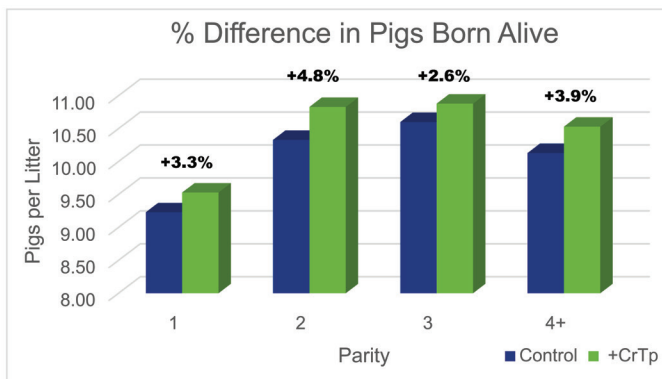


Chromium Supplementation in Sow Diets

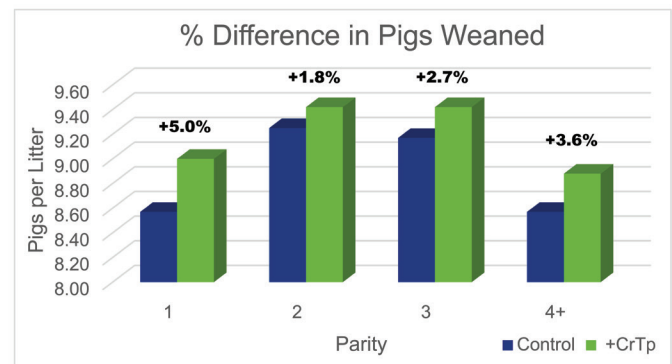
Sow mortality is arguably the most significant challenge in swine production today. Operations are losing sows at unsustainable rates, bringing significant financial and productive loss.



Total Mortality ($P = 0.11$)
 Combined Sow Mortality: 10.95% (Control) vs. 9.38% (+CrTp)
 Hagen et al., 2000



Pigs Born Alive per Litter ($P = 0.02$)
 10.05% (Control) vs. 10.42% (+CrTp)
 Hagen et al., 2000



Pigs Weaned per Litter ($P = 0.02$)
 8.75% (Control) vs. 9.08% (+CrTp)
 Hagen et al., 2000

In the study above, dietary supplementation of 200 ppb chromium tripicolinate (CrTp) had a positive impact on number of pigs born alive and weaned, and sow mortality.¹

Cr supplementation has been extensively researched in sow diets for its benefits in helping improve insulin sensitivity and glucose metabolism.^{2,3} Sows' ability to control blood glucose levels is lower during pregnancy, which could influence higher rates of newborn pig mortality.⁴

1. C.D. Hagen, M.D. Lindemann, and K.W. Purser. Effect of Dietary Chromium Tripicolinate on Productivity of Sows under Commercial Conditions. Swine Health Prod. Vol 8 (2000) 59-63.
 2. Anderson, R.A. and A.S. Kozlovsky. Chromium intake, absorption and excretion of subjects consuming self-selected diets. Am. J. Clin. Nutr. Vol. 41 (1985) 1177-1183.
 3. Amoikou, E.K., J.M. Fernandez, L.L. Southern, D.L. Thompson, T.L. Ward, Jr. Effect of chromium tripicolinate on growth, glucose tolerance, insulin sensitivity, plasma metabolites, and growth hormone in pigs. J. Anim. Sci. Vol. 73 (1995) 1123-1130.
 4. Kemp B., Soede N.M., Vesseur P.C., Helmond F.A., Spoorenberg I.H., and Frankena K. Glucose tolerance of pregnant sows is related to postnatal pig mortality. J. Anim. Sci. Vol. 74 (1996) 879-885.



Supplementing Cr at 200 ppb
has been shown to help:

Sow Mortality^{1,2}
Stillborn & Mummied³
Abortions¹

Live Pigs Born³
Total Piglets Born³
First-Service Farrowing Rate^{1,4}

1. Campos, R.G. The effects of chromium picolinate on the fertility and fecundity of sows under commercial conditions. (1986). Proc. Of the 16th Annual Pig Breeding Conference, Quincy, IL.
2. Evans, G.W. and L. Meyer. Chromium picolinate increases longevity. Age, Vol. 15 (1992) 134.
3. C.D. Hagen, M.D. Lindemann, and K.W. Purser. Effect of Dietary Chromium Tripicolinate on Productivity of Sows under Commercial Conditions. Swine Health Prod. Vol. 8 (2000) 59-63.
4. D.E. Real, J.L. Nelissen, M.D. Takach, R.D. Goodband, S.S. Dritz, J.C. Woodworth, and K.Q. Owen. Adaptive effects of L-Carnitine and chromium picolinate on sow reproductive performance. Livestock Science Vol. 116 (2008) 63-69.

Chromium propionate & tripicolinate
trace mineral products



Average Investment

less than



per sow per year

Estimated ROI

5:1*

Based on economic analysis of Hagen et al., 2000.

*Not a guarantee of performance.

Manufactured in the USA

Feeding Rate: 200 ppb



Scan for additional
product information