

Cholecalciferol
Papers that Were Accepted

Acceptable for EcoTox and OPP

Bar, A., Razaphkovsky, V., Vax, E., and Plavnik, I. (2003). Performance and Bone Development in Broiler Chickens Given 25-Hydroxycholecalciferol. *Br. Poult. Sci.* 44: 224-233.

EcoReference No.: 79115

Chemical of Concern: CLC; Habitat: T; Effect Codes: BCM,GRO,PHY; Code: LITE EVAL CODED (CLC).

Cerezuela, R., Cuesta, A., Meseguer, J., and NgelessEstebann, M. (2009). Effects of Dietary Vitamin D3 Administration on Innate Immune Parameters of Seabream (*Sparus aurata* L.). *Fish Shellfish Immunol.* 26: 243-248.

EcoReference No.: 152797

Chemical of Concern: CLC; Habitat: A; Effect Codes: BCM,CEL,MOR,PHY; Code: LITE EVAL CODED (CLC).

Cruickshank, J. J. and Sim, J. S. (1987). Effects of Excess Vitamin D3 and Cage Density on the Incidence of Leg Abnormalities in Broiler Chickens. *Avian Dis.* 31: 332-338 .

EcoReference No.: 79118

Chemical of Concern: CLC; Habitat: T; Effect Codes: BEH,GRO; Code: LITE EVAL CODED (CLC).

Darias, M. J., Mazurais, D., Koumoundouros, G., Glynatsi, N., Christodouloupoulou, S., Huelvan, C., Desbruyeres, E., Le Gall, M. M., Quazuguel, P., Cahu, C. L., and Zambonino-Infante, J. L. (2010). Dietary Vitamin D3 Affects Digestive System Ontogenesis and Ossification in European Sea Bass (*Dicentrarchus labrax*, Linnaeus, 1758). *Aquaculture* 298: 300-307.

EcoReference No.: 152717

Chemical of Concern: CLC; Habitat: A; Effect Codes: BCM,CEL,GRO,MOR; Code: LITE EVAL CODED (CLC).

Edwards, H. M. Jr. (2003). Effects of U.V. Irradiation of Very Young Chickens on Growth and Bone Development. *Br. J. Nutr.* 90 : 151-160.

EcoReference No.: 79044

Chemical of Concern: CLC; Habitat: T; Effect Codes: BCM,GRO,PHY; Code: LITE EVAL CODED (CLC).

Foote, M. R., Horst, R. L., Huff-Lonergan, E. J., Trenkle, A. H., Parrish, F. C. Jr., and Beitz, D. C. (2004). The Use of Vitamin D3 and Its Metabolites to Improve Beef Tenderness. *J. Anim. Sci.* 82: 242-249.

EcoReference No.: 79244

Chemical of Concern: CLC; Habitat: T; Effect Codes: ACC,BCM; Code: LITE EVAL CODED (CLC).

Jokic, G., Vuksa, P., and Vuksa, M. (2010). Comparative Efficacy of Conventional and New Rodenticides Against *Microtus arvalis* (Pallas, 1778) in Wheat and Alfalfa Crops. *Crop Prot.* 29: 487-491.

EcoReference No.: 151522

Chemical of Concern: BDL,CLC; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (BDL,CLC).

Karges, K., Brooks, J. C., Gill, D. R., Breazile, J. E., Owens, F. N., and Morgan, J. B. (2001). Effects of Supplemental Vitamin D3 on Feed Intake, Carcass Characteristics, Tenderness, and Muscle Properties of Beef Steers. *J. Anim. Sci.* 79: 2844-2850.

EcoReference No.: 79236

Chemical of Concern: CLC; Habitat: T; Effect Codes: BCM,BEH,GRO; Code: LITE EVAL CODED (CLC).

Lahucky, R., Bahelka, I., Kuechenmeister, U., Vasickova, K., Nuernberg, K., Ender, K., and Nuernberg, G. (2007). Effects of Dietary Supplementation of Vitamins D3 and E on Quality Characteristics of Pigs and Longissimus Muscle Antioxidative Capacity. *Meat Sci.* 77: 264-268.

EcoReference No.: 152789

Chemical of Concern: CLC; Habitat: T; Effect Codes: BCM; Code: LITE EVAL CODED (CLC).

Lam, Y. M. (1992). Some Rodenticidal Properties of Cholecalciferol Against *Rattus argentiventer*. *MARDI Res. J.* 20: 37-44.

EcoReference No.: 79228

Chemical of Concern: CLC; Habitat: T; Effect Codes: BEH,GRO,MOR; Code: LITE EVAL CODED (CLC).

Lauridsen, C., Halekoh, U., Larsen, T., and Jensen, S. K. (2010). Reproductive Performance and Bone Status Markers of Gilts and Lactating Sows Supplemented with Two Different Forms of Vitamin D. *J. Anim. Sci.* 88: 202-213.

EcoReference No.: 152719

Chemical of Concern: CLC; Habitat: T; Effect Codes: BCM,BEH,GRO,PHY,REP; Code: LITE EVAL CODED (CLC).

Montgomery, J. L., Carr, M. A., Kerth, C. R., Hilton, G. G., Price, B. P., Galyean, M. L., Horst, R. L., and Miller, M. F. (2002). Effect of Vitamin D3 Supplementation Level on the Postmortem Tenderization of Beef from Steers. *J. Anim. Sci.* 80: 971-981.

EcoReference No.: 79237

Chemical of Concern: CLC; Habitat: T; Effect Codes: ACC,BCM,BEH,GRO; Code: LITE EVAL CODED (CLC).

Montgomery, J. L., Parrish, F. C. Jr., Beitz, D. C., Horst, R. L., Huff-Lonergan, E. J., and Trenkle, A. H. (2000). The Use of Vitamin D3 to Improve Beef Tenderness. *J. Anim. Sci.* 78: 2615-2621.

EcoReference No.: 79238

Chemical of Concern: CLC; Habitat: T; Effect Codes: ACC,BCM; Code: LITE EVAL CODED (CLC).

Moran, S. (1996). Toxicity of Cholecalciferol Pelleted Baits to the Field Rodents *Microtus guentheri* and *Meriones tristrami*. *Crop Prot.* 15: 247-248.

EcoReference No.: 75783

Chemical of Concern: CLC; Habitat: T; Effect Codes: BEH,MOR; Code: LITE EVAL CODED (CLC).

Moran, S. (2003). Toxicity of Cholecalciferol Wheat Bait to the Field Rodents *Microtus guentheri* and *Meriones tristrami*. *Crop Prot.* 22: 341-345.

EcoReference No.: 113982

Chemical of Concern: CLC; Habitat: T; Effect Codes: BEH,MOR; Code: LITE EVAL CODED (CLC).

Morgan, D. R. (2004). Enhancing Maintenance Control of Possum Populations Using Long-Life Baits. *N. Z. J. Zool.* 31: 271-282.

EcoReference No.: 152720

Chemical of Concern: BDF,CLC,KCN,NaFA; Habitat: T; Effect Codes: BEH,GRO,MOR; Code: LITE EVAL CODED (CLC), NO EFED CHEM (NaFA), NO ENDPOINT (BDF,KCN).

Nain, S., Laarveld, B., Wojnarowicz, C., and Olkowski, A. A. (2007). Excessive Dietary Vitamin D Supplementation as a Risk Factor for Sudden Death Syndrome in Fast Growing Commercial Broilers. *Comp. Biochem. Physiol., Part A Mol. Integr. Physiol.* 148: 828-833.

EcoReference No.: 152722

Chemical of Concern: CLC; Habitat: T; Effect Codes: GRO,MOR,PHY; Code: LITE EVAL CODED (CLC).

Onyango, E. M. (2004). Influence of Phytate and Phytase on the Digestion and Uptake of Nutrients in the Chicken (*Gallus domesticus*) and the White Pekin Duck (*Anas platyrinchos domesticus*). *Ph.D. Thesis, Purdue University, IN* 241 p. (UMI# 3166686).

EcoReference No.: 152793

Chemical of Concern: CLC; Habitat: T; Effect Codes: BCM,BEH,GRO,PHY; Code: LITE EVAL CODED (CLC).

Onyango, E. M., Asem, E. K., and Adeola, O. (2006). Dietary Cholecalciferol and Phosphorus Influence Intestinal Mucosa Phytase Activity in Broiler Chicks. *Br. Poult. Sci.* 47: 632-639.

EcoReference No.: 152798

Chemical of Concern: CLC; Habitat: T; Effect Codes: BCM,BEH,GRO,PHY; Code: LITE EVAL CODED (CLC).

Pervez, A., Ahmad, S. M., Waqar, S., and Rizvi, A. (1998). Comparative Efficacy of Bromadiolone, Cholecalciferol and Zinc Phosphide Against Short-Tailed Mole Rat *Nesokia indica* in Captivity. *Turk. J. Zool.* 22: 137-140.

EcoReference No.: 79137

Chemical of Concern: BDL,CLC,ZnP; Habitat: T; Effect Codes: BEH,MOR; Code: LITE EVAL CODED (BDL,CLC,ZnP), NO ENDPOINT (ZnP), TARGET (BDL,ZnP).

Rath, N. C., Kannan, L., Pillai, P. B., Huff, W. E., Huff, G. R., Horst, R. L., and Emmert, J. L. (2007). Evaluation of the Efficacy of Vitamin D3 or Its Metabolites on Thiram-Induced Tibial Dyschondroplasia in Chickens. *Res. Vet. Sci.* 83: 244-250.

EcoReference No.: 152726

Chemical of Concern: CLC,THM; Habitat: T; Effect Codes: BCM,GRO,PHY; Code: LITE EVAL CODED (CLC,THM).

Reiling, B. A. and Johnson, D. D. (2003). Effects of Implant Regimens (Trenbolone Acetate-Estradiol Administered Alone or in Combination with Zeranol) and Vitamin D3 on Fresh Beef Color and Quality. *J. Anim. Sci.* 81:

135-142.

EcoReference No.: 75897

Chemical of Concern: CLC; Habitat: T; Effect Codes: BCM,GRO; Code: LITE EVAL CODED (CLC).

Rider Sell, N., Mikel, W. B., Xiong, Y. L., and Behrends, J. M. (2004). Vitamin D3 Supplementation of Cull Cows: Effects on Longissimus and Semitendinosus Muscle Tenderness. *J. Anim. Sci.* 82: 225-230.

EcoReference No.: 75898

Chemical of Concern: CLC; Habitat: T; Effect Codes: BCM; Code: LITE EVAL CODED (CLC).

Saddoris, K. (2007). Dietary Factors Affecting Sodium-Dependent Phosphate Uptake and Gene Expression of the NaPi-IIb in the Small Intestine of Weanling Pigs. *Ph.D. Thesis, Purdue University*, IN 227 p. (UMI# 3287276).

EcoReference No.: 152794

Chemical of Concern: CLC; Habitat: T; Effect Codes: BCM,BEH,GRO,MOR; Code: LITE EVAL CODED (CLC).

Scanga, J. A., Belk, K. E., Tatum, J. D., and Smith, G. C. (2001). Supranutritional Oral Supplementation with Vitamin D3 and Calcium and the Effects on Beef Tenderness. *J. Anim. Sci.* 79: 912-918.

EcoReference No.: 79235

Chemical of Concern: CLC,CaCO₃; Habitat: T; Effect Codes: BCM,GRO; Code: LITE EVAL CODED (CLC), NO EFED CHEM (CaCO₃), NO MIXTURE (CaCO₃).

Sheikher, C. and Jain, S. D. (1995). Rodenticidal Efficacy of Cholecalciferol. *Proc. Indian Natl. Sci. Acad. Part B Biol. Sci.* 61: 31-38.

EcoReference No.: 79239

Chemical of Concern: CLC; Habitat: T; Effect Codes: BEH,GRO,MOR; Code: LITE EVAL CODED (CLC).

Shirley, R. B., Davis, A. J., Compton, M. M., and Berry, W. D. (2003). The Expression of Calbindin in Chicks that are Divergently Selected for Low or High Incidence of Tibial Dyschondroplasia. *Poult. Sci.* 82: 1965-1973.

EcoReference No.: 79042

Chemical of Concern: CLC; Habitat: T; Effect Codes: BCM,BEH,CEL,GRO,PHY; Code: LITE EVAL CODED (CLC).

Sih, T. R., Morris, J. G., and Hickman, M. A. (2001). Chronic Ingestion of High Concentrations of Cholecalciferol in Cats. *Am. J. Vet. Res.* 62: 1500-1506.

EcoReference No.: 79242

Chemical of Concern: CLC; Habitat: T; Effect Codes: ACC,BCM,CEL,GRO,PHY,REP; Code: LITE EVAL CODED (CLC).

Snow, J. L., Baker, D. H., and Parsons, C. M. (2004). Phytase, Citric Acid, and 1alpha-Hydroxycholecalciferol Improve Phytate Phosphorus Utilization in Chicks fed a Corn-Soybean Meal Diet. *Poult. Sci.* 83: 1187-1192.

EcoReference No.: 75892

Chemical of Concern: CIT,HCLC; Habitat: T; Effect Codes: BCM,BEH,GRO,PHY; Code: LITE EVAL

CODED (CIT,HCLC).

Soares, J. H., Kaetzel, D. M., Allen, J. T., and Swerdel, M. R. (1982). Toxicity of A Vitamin D Steroid to Laying Hens. *Poult. Sci.* 62: 24-29.

EcoReference No.: 38840

Chemical of Concern: CLC,HCLC; Habitat: T; Effect Codes: BCM,BEH,GRO,REP; Code: LITE EVAL CODED (CLC,HCLC).

Taylor, M. S., Knowlton, K. F., McGilliard, M. L., Seymour, W. M., and Herbein, J. H. (2008). Blood Mineral, Hormone, and Osteocalcin Responses of Multiparous Jersey Cows to an Oral Dose of 25-Hydroxyvitamin D3 or Vitamin D3 Before Parturition. *J. Dairy Sci.* 91: 2408-2416.

EcoReference No.: 152729

Chemical of Concern: CLC; Habitat: T; Effect Codes: BCM; Code: LITE EVAL CODED (CLC).

Tipton, N. C., King, D. A., Paschal, J. C., Hale, D. S., and Savell, J. W. (2007). Effects of Oral Vitamin D3 Supplementation and Supplement Withdrawal on the Accumulation of Magnesium, Calcium, and Vitamin D in the Serum, Liver, and Muscle Tissue and Subsequent Carcass and Meat Quality of Bos Indicus Influenced Cattle. *Meat Sci.* 75: 150-158.

EcoReference No.: 152787

Chemical of Concern: CLC; Habitat: T; Effect Codes: ACC,BCM,GRO; Code: LITE EVAL CODED (CLC).

Tryfonidou, M. A., Holl, M. S., Stevenhagen, J. J., Buurman, C. J., DeLuca, H. F., Oosterlaken-Dijksterhuis, M. A., Van den Brom, W. E., Van Leeuwen, J. P. T. M., and Hazewinkel, H. A. W. (2003). Dietary 135-Fold Cholecalciferol Supplementation Severely Disturbs the Endochondral Ossification in Growing Dogs. *Domest. Anim. Endocrinol.* 24: 265-285.

EcoReference No.: 79221

Chemical of Concern: CLC; Habitat: T; Effect Codes: BCM,BEH,CEL,GRO,PHY; Code: LITE EVAL CODED (CLC).

Tryfonidou, M. A., Oosterlaken-Dijksterhuis, M. A., Mol, J. A., Van den Ingh, T. S. G. A. M., Van den Brom, W. E., and Hazewinkel, H. A. W. (2003). 24-Hydroxylase: Potential Key Regulator in Hypervitaminosis D3 in Growing Dogs. *Am. J. Physiol: Endocrinol. Metab.* 284: E505 - E513.

EcoReference No.: 79227

Chemical of Concern: CLC; Habitat: T; Effect Codes: BCM,BEH,CEL,GRO,PHY; Code: LITE EVAL CODED (CLC).

Wiegand, B. R., Parrish, F. C. Jr., Morrical, D. G., and Huff-Lonergan, E. (2001). Feeding High Levels of Vitamin D3 does not Improve Tenderness of Callipyge Lamb Loin Chops. *J. Anim. Sci.* 79: 2086-2091.

EcoReference No.: 79243

Chemical of Concern: CLC; Habitat: T; Effect Codes: BCM,GRO; Code: LITE EVAL CODED (CLC).

Wiegand, B. R., Sparks, J. C., Beitz, D. C., Parrish, F. C. Jr., Horst, R. L., Trenkle, A. H., and Ewan, R. C. (2002). Short-Term Feeding of Vitamin D3 Improves Color but does not Change Tenderness of Pork-Loin Chops. *J. Anim. Sci.* 80: 2116-2121.

EcoReference No.: 79240

Chemical of Concern: CLC; Habitat: T; Effect Codes: BCM,GRO; Code: LITE EVAL CODED (CLC).

Witmer, G. W., Matschke, G. H., and Campbell, D. L. (1995). Field Trials of Pocket Gopher Control with Cholecalciferol. *Crop Prot.* 14: 307-309.

EcoReference No.: 79220

Chemical of Concern: CLC; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (CLC).

Zhang, W., Mai, K., Xu, W., and Ma, H. (2003). Metabolic Responses to Dietary Cholecalciferol and Phosphorus in Abalone *Haliotis discus hannai* Ino. *J. Exp. Zool. Part A. Ecol. Genet. Physiol.* 299: 110-117.

EcoReference No.: 79225

Chemical of Concern: CLC,H3PO4K; Habitat: A; Effect Codes: BCM; Code: LITE EVAL CODED (CLC,H3PO4K), NO EFED CHEM (H3PO4K).

