

CHAPTER 34

Key Review Articles and Additional Reading

Research Reviews

General

- Cooper, G., and J.A. Weber. 2012. An outlook on world biofuel production and its implication for the animal feed industry. In: *Biofuels Co-Products as Livestock Feed - Opportunities and Challenges*, H.P.S. Makkar, ed.. Food and Agriculture Organization (FAO) of the United Nations, Rome, Italy. Pp. 1-12. <http://www.fao.org/docrep/016/i3009e/i3009e02.pdf>.
- Liu, K., and K.A. Rosentrater. 2012. *Distillers Grains – Production, Properties, and Utilization*. K. Liu and K.A. Rosentrater, eds., CRC Press, Taylor & Francis Group, 6000 Broken Sound Parkway NW, Suite 300, Boca Raton, FL.
- Shurson, G.C. 2017. The role of biofuels co-products in feeding the world sustainably. *Ann. Rev. Anim. Biosciences* 5:229-254. <http://www.annualreviews.org/doi/pdf/10.1146/annurev-animal-022516-022907>.
- Shurson, G.C, H.D. Tilstra, and B.J. Kerr. 2012. Impact of United States biofuels co-products on the feed industry. In: *Biofuels Co-Products as Livestock Feed - Opportunities and Challenges*, H.P.S. Makkar, ed.. Food and Agriculture Organization (FAO) of the United Nations, Rome, Italy. Pp. 35-60. <http://www.fao.org/docrep/016/i3009e/i3009e.pdf>.

Aquaculture

- Mjoun, K., and K. Rosentrater. 2012. Co-products of the United States biofuels industry as alternative feed ingredients for aquaculture. In: *Biofuels Co-Products as Livestock Feed - Opportunities and Challenges*, H.P.S. Makkar, ed. Food and Agriculture Organization (FAO) of the United Nations, Rome, Italy. Pp. 403-423. [https://poet.com/resources/research/dakotagold/Aquaculture/Ethanol percent20co-products percent20in percent20aquaculture.pdf](https://poet.com/resources/research/dakotagold/Aquaculture/Ethanol%20co-products%20in%20aquaculture.pdf).
- Shurson, J. 2012. Maize dried distillers grains with solubles (DDGS) – A new alternative ingredient in aquaculture feeds. *World Aquaculture* 43:54-58. https://www.biofuelscoproducts.umn.edu/sites/biodieselfeeds.cfans.umn.edu/files/cfans_asset_475463.pdf.

Beef

- Berger, L., and V. Singh. 2010. Changes and evolution of corn coproducts for beef cattle. *J. Anim. Sci.* 88:E143-E150.
- Erickson, G.E., T.J. Klopfenstein, and A.K. Watson. 2012. Utilization of feed co-products from wet or dry milling for beef cattle. In: *Biofuels Co-Products as Livestock Feed - Opportunities and Challenges*, H.P.S. Makkar, ed.. Food and Agriculture Organization (FAO) of the United Nations, Rome, Italy. Pp. 77-100. <http://www.fao.org/docrep/016/i3009e/i3009e03.pdf>.
- Klopfenstein, T.J., G.E. Erickson, and V.R. Bremer. 2008. Board-invited review: Use of distillers by-products in the beef cattle feeding industry. *J. Anim. Sci.* 86:1223-1231. <http://dx.doi.org/10.2527/jas.2007-0550>.

Dairy

Kalscheur, K.F., A.D. Garcia, D.J. Schingoethe, F.D. Royón, and A.R. Hippen. 2012. Feeding biofuel co-products to dairy cattle. In: *Biofuels Co-Products as Livestock Feed - Opportunities and Challenges*, H.P.S. Makkar, ed.. Food and Agriculture Organization (FAO) of the United Nations, Rome, Italy. Pp. 115-154. <http://www.fao.org/docrep/016/i3009e/i3009e.pdf>.

Schingoethe, D.J., K.F. Kalscheur, A.R. Hippen, and A.D. Garcia. 2009. Invited review: The use of distillers products in dairy cattle. *J. Dairy Sci.* 92:5802–5813. <http://download.journals.elsevierhealth.com/pdfs/journals/0022-0302/PIIS0022030209713001.pdf>.

Poultry

El-Hack, M.E.A., M. Alagawany, M.R. Farag, and K. Dhama. 2015. Use of maize distiller's dried grains with solubles (DDGS) in laying hen diets: trends and advances. *Asian J. Anim. Vet. Advances* 10:690-707. <http://scialert.net/qredirect.php?doi=ajava.2015.690.707&linkid=pdf>.

Salim, H.M., Z.A. Kruk, and B.D. Lee. 2010. Nutritive value of corn distillers dried grains with solubles as an ingredient of poultry diets: A review. *World's Poult. Sci. J.* 66:411-432. http://journals.cambridge.org/download.php?file=percent2FWPSpercent2FWPS66_03percent2FS0043933910000504a.pdf&code=c0e558cffbe4ff5083c2e95bce65491e.

Swiatkiewicz, S., and J. Koreleski. 2008. The use of distillers dried grains with solubles (DDGS) in poultry nutrition. *World's Poult. Sci. J.* 64:257-266. <https://www.cambridge.org/core/services/aop-cambridge-core/content/view/7A6FEE8A775C5D22F8FF5E2D4FDC995E/S0043933908000044a.pdf/div-class-title-the-use-of-distillers-dried-grains-with-solubles-ddgs-in-poultry-nutrition-div.pdf>.

Tahir, M. and G.M. Pesti. 2012a. A comparison of digestible amino acid databases: Relationship between amino acid concentration and digestibility. *J. Appl. Poult. Res.* 21:1-12.

Tahir, M., and G.M. Pesti. 2012b. Comparison of ingredient usage and formula costs in poultry feeds using different amino acid digestibility databases. *J. Appl. Poult. Res.* 21:693-705.

Swine

Shurson, G.C., R.T. Zijlstra, B.J. Kerr, and H.H. Stein. 2012. Feeding biofuels co-products to pigs. In: *Biofuels Co-Products as Livestock Feed - Opportunities and Challenges*, H.P.S. Makkar, ed.. Food and Agriculture Organization (FAO) of the United Nations, Rome, Italy. Pp. 175-208. <http://www.fao.org/docrep/016/i3009e/i3009e.pdf>.

Stein, H.H., and G.C. Shurson. 2009. Board-invited review: The use and application of distillers dried grains with solubles in swine diets. *J. Anim. Sci.* 87(4):1292-1303. <http://dx.doi.org/10.2527/jas.2008-1290>.

Woyengo, T.A., E. Beltranena, and R.T. Zijlstra. 2014. Nonruminant Nutrition Symposium: Controlling feed cost by including alternative ingredients into pig diets: A review. *J. Anim. Sci.* 92:1293-1305.

Mycotoxins

- Caupert, J., Y. Zhang, P. Imerman, J.L. Richard, and G.C. Shurson. 2011. Mycotoxin Occurrence in DDGS. In: Distillers Grains: Production, Properties, and Utilization, CRC Press, New York, NY. p. 219-234.
- Streit, E., K. Naehrer, I. Rodrigues, and G. Schatzmayr. 2013. Mycotoxin occurrence in feed and feed raw materials worldwide: long-term analysis with special focus on Europe and Asia. *J. Sci. Food Agric.* 93:2892-2899. <http://onlinelibrary.wiley.com/doi/10.1002/jsfa.6225/epdf>.
- Schatzmayr, G., and E. Streit. 2013. Global occurrence of mycotoxins in the food and feed chain: facts and figures. *World Mycotoxin J.* 6:213-222. <http://www.wageningenacademic.com/doi/pdf/10.3920/WMJ2013.1572>.

Yeast in corn co-products

- Shurson, G.C. 2017. Review – Yeast and yeast derivatives in feed additives and ingredients: sources, characteristics, animal responses, and quantification methods. *Anim. Feed Sci. Technol.* 235:60-76. https://ac.els-cdn.com/S0377840117308398/1-s2.0-S0377840117308398-main.pdf?_tid=623b997e-f30e-11e7-96f8-00000aabb0f02&acdnat=1515263056_5f92b454b31853887bea40e8213765e7.