

- USDA**, 2014. Nigeria grain and feed annual report. Global Agriculture Information Network. https://gain.fas.usda.gov/Recent%20GAIN%20Publications/Grain%20and%20Feed%20Annual_Lagos_Nigeria_3-13-2014.pdf.
- Yalegama L. L. W. C., Karunaratne D. N., Sivakanesan R., Jayasekara C.** 2013. Chemical and functional properties of fibre concentrates obtained from by-products of coconut kernel. *Journal of Food Chemistry*, 141: 124 – 130.
- Zhao, X., Yang, Z.B., Yang, W.R., Wang, Y., Jiang, S.Z., Zhang G.G.** 2011. Effects of ginger root on laying performance and antioxidant status of laying hens and on dietary oxidation stability. *Poultry Science*, 90: 1720 – 1727.

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(Journal of Natural Science, Engineering and Tech-

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