



FOCUS ON RESEARCH

EFFECTS OF ORIGINAL XPC™ ON THE PROGENY OF TURKEY BREEDERS

University research¹ was conducted to evaluate the effects of feeding Original XPC to turkey breeder hens and male progeny on growth performance and breast meat yield.

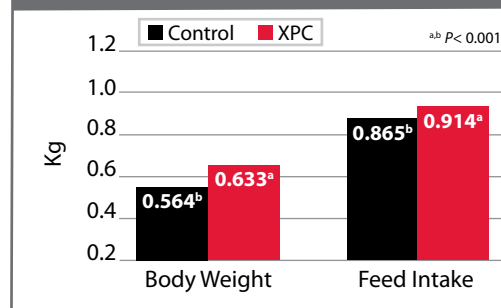
RESEARCH SUMMARY

- Hybrid Converter turkey breeder hens were fed with or without 0.075% Original XPC for 2 weeks prior to collection of eggs
- Male progeny from each breeder treatment group (with or without Original XPC) were separated and both groups of poults were then subdivided and fed with or without Original XPC for 20 weeks (2 x 2 factorial design)
- Original XPC dietary inclusion levels were 0.125% for 1-6 weeks and 0.0625% for 7-20 weeks of age for the tom turkeys fed XPC
- Turkey performance was measured at each dietary change and breast meat yield (BMY) was measured on 4 turkeys per treatment, periodically throughout the study

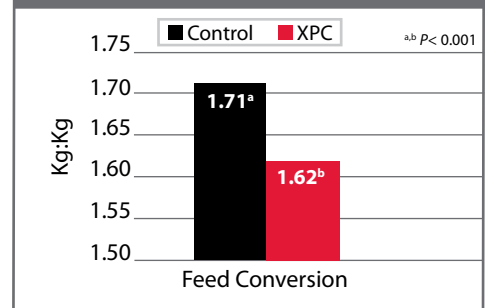
RESULTS

- No breeder effects or breeder by progeny interactions were observed for progeny performance or BMY in this study; possibly as a result of the limited time breeders were fed Original XPC. Therefore, only the market tom main effect means results will be shown.
- The authors reported that feeding Original XPC significantly improved feed intake, body weight and feed conversion in tom turkeys from 1-3 weeks ($P < 0.001$) and 1-14 weeks ($P < 0.05$). Body weights and feed intake were also significantly increased ($P < 0.001$; data not shown) with the inclusion of Original XPC to the diet of toms up to 6, 9, and 12 weeks of age.

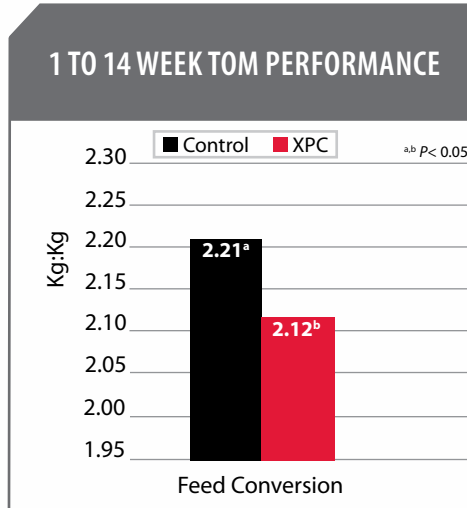
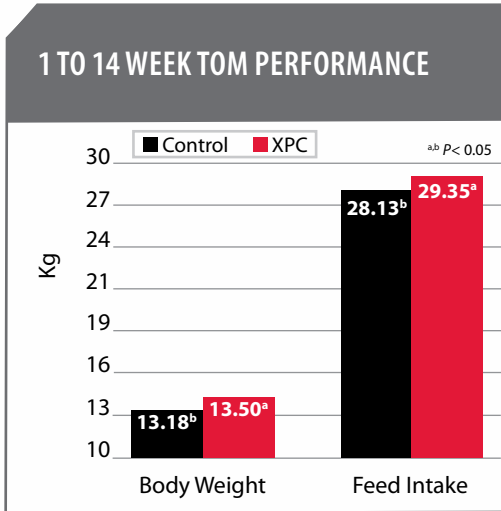
1 TO 3 WEEK TOM PERFORMANCE



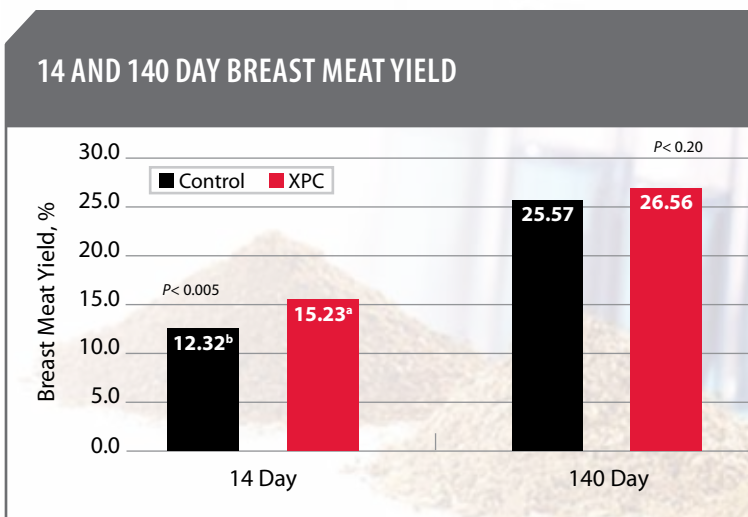
1 TO 3 WEEK TOM PERFORMANCE



RESEARCH SUMMARY



- The authors reported a significant increase ($P < 0.005$) in breast meat yield, including pectoralis minor, pectoralis major and overall combination, after 14 days of feeding Original XPC to the young turkey toms. A similar numerical increase ($P < 0.20$) in breast meat yield was observed at 140 days (20 week) in the market toms fed Original XPC.



¹Ferket, P.R., R.D. Malheiros, I. Barash, M.J. Wineland, and D.T. Moore. 2011. The effect of feeding Original XPC™ to turkey breeder hens and progeny on the growth performance of turkey toms. International Poultry Scientific Forum, Atlanta, GA. Abstract #78, pg. 23.

If you would like more information on this study, please contact your local Diamond V representative.

©2012 Diamond V Mills, Inc. All rights reserved. Diamond V® is a registered trademark and Original XPC™ is a trademark of Diamond V Mills, Inc.

2525 60th Avenue SW | Cedar Rapids, IA 52404 | USA
 TF: 800.373.7234 | Phone: +1.319.366.0745 | diamondv.com

