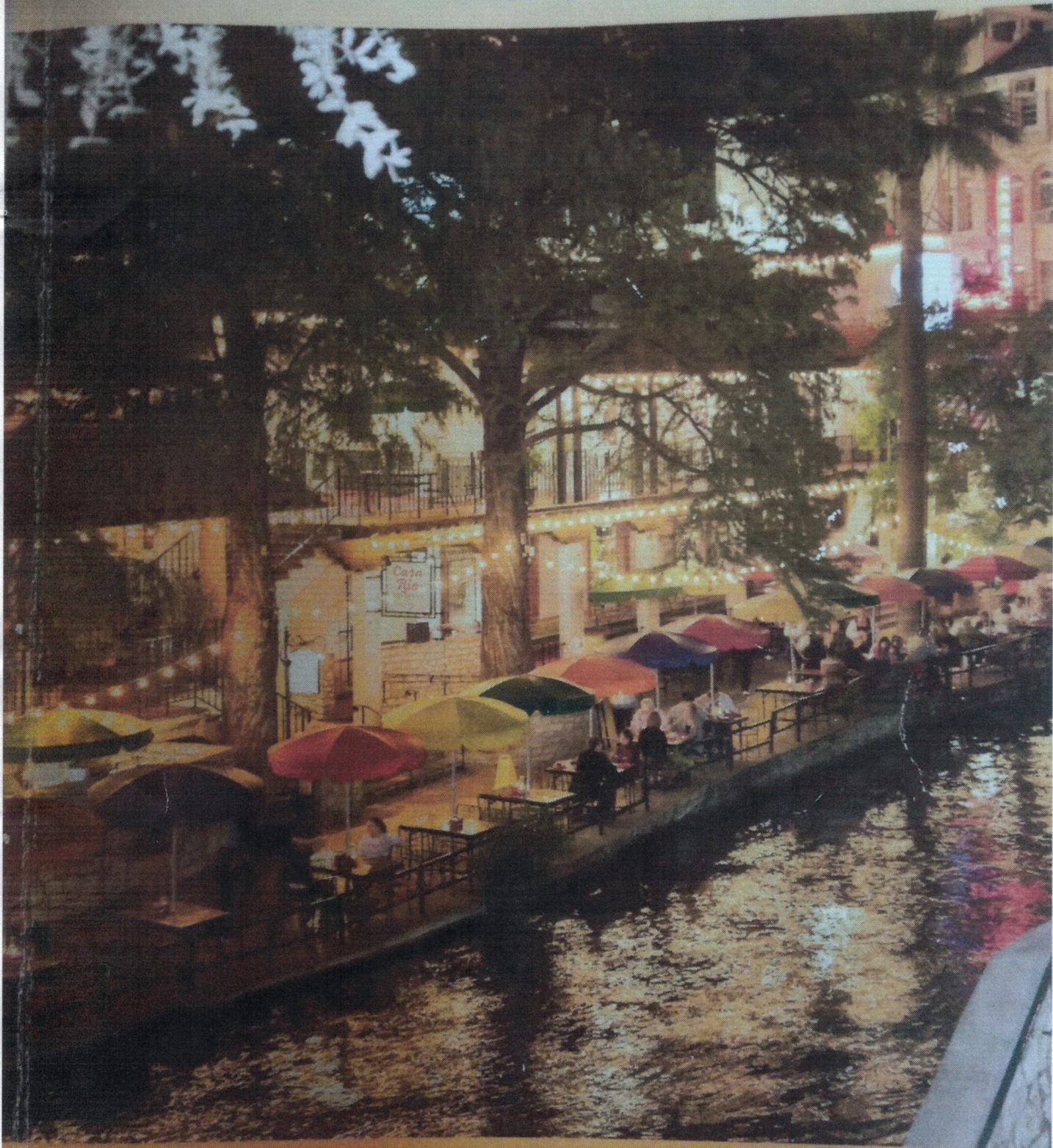


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- 472P **Comparative nutritive value of a co-extruded mixture of flaxseed and pulses (linPRO) fed with or without multi-carbohydrase to broiler breeder hens and broiler chicks.**
A. Thanabalan^{*1}, J. Moats², and E. Kiarie¹; ¹University of Guelph, Guelph, ON, Canada, ²O&T Farms Ltd, Saskatoon, SK, Canada.
- 473P **Prediction equations for energy values of animal-derived meals obtained by meta-analysis.**
C. Oliveira¹, C. B. V. Rabello^{*1}, E. Lopes¹, R. S. Junior¹, G. Macambira¹, M. José dos Santos¹, D. Oliveira¹, D. da Silva¹, and P. Rodrigues²; ¹Universidade Federal Rural de Pernambuco, Recife, Brazil, ²Universidade Federal de Lavras, Lavras, Brazil.
- 474P **The addition of selected full-fat insect meals affects the gastrointestinal tract microbiota in broilers.**
B. Kieronczyk^{*1}, D. Józefiak¹, A. Józefiak¹, M. Rawski¹, A. Benzertiha¹, S. Talibov¹, S. Nogales-Merida¹, P. Gobbi², and J. Mazurkiewicz¹; ¹Poznan University of Life Sciences, Poznan, Poland, ²HiProMine S.A, Robakowo, Poland.
- 475P **The estimation of body composition of broilers chicken from 7 to 35 days of age by dual energy x-ray absorptiometry (DXA).**
M. Hamdi^{*}, I. Lachance, and M. P. Létourneau-Montminy, Université Laval, Ville de Québec, QC, Canada.
- 476P **Nutrient characteristics of corn distillers dried grains with solubles.**
A. Pekel^{*1}, M. Alatas², O. Sayin³, E. Kuter³, and O. Cengiz³; ¹Faculty of Veterinary Medicine, Istanbul University, Istanbul, Avclar, Turkey, ²Faculty of Veterinary Medicine, Selcuk University, Konya, Turkey, ³Faculty of Veterinary Medicine, Adnan Menderes University, Aydin, Turkey.
- 477P **Determining the effects of feeding two broiler strains varied crumble size and intact pellets (d 0-18) on d 63 processing characteristics.**
M. Lemons^{*1}, C. McDaniel¹, J. Moritz², and K. Wamsley¹; ¹Mississippi State University, Mississippi State, MS, ²West Virginia University, Morgantown, WV.
- 478P **The effect of fermented rapeseed cake on the growth performance of broiler chicken.**
D. Józefiak^{*1}, A. Zaworska¹, M. Potocka¹, B. Kieronczyk¹, M. Rawski¹, A. Benzertiha¹, M. Pachocka², and J. Sypniewski¹; ¹Poznan University of Life Sciences, Poznan, Poland, ²PIAST PASZE Sp.z o.o, Ostrów Wlkp., Poland.
- 479P **Energetic values of corn germ meal for broilers evaluated by the response surface model.**
E. Lopes, C. B. V. Rabello, M. José dos Santos^{*}, C. Oliveira, G. Macambira, D. da Silva, and D. Oliveira, Universidade Federal Rural de Pernambuco, Recife, Pernambuco, Brazil.

THE EFFECT OF FERMENTED RAPESEED CAKE ON THE GROWTH PERFORMANCE OF BROILER CHICKEN

Damian Józefiak^{1*}, Anita Zaworska¹, Malgorzata K. Potocka¹, Bartosz Kierończyk¹, Mateusz Rawski², Abdelbasset Benzertih¹, Marta Pachocka³, Jędrzej Sypniewski³

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¹The experiments conducted within Biostrateg program 'GUTFEED - Innovative nutrition in sustainable poultry production' 267659/7/NCBR/2015.

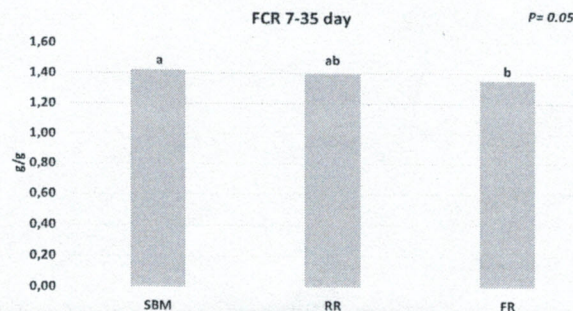
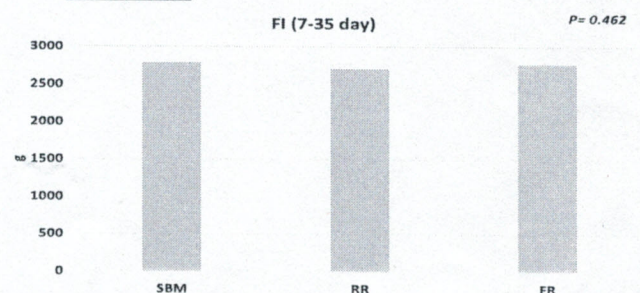
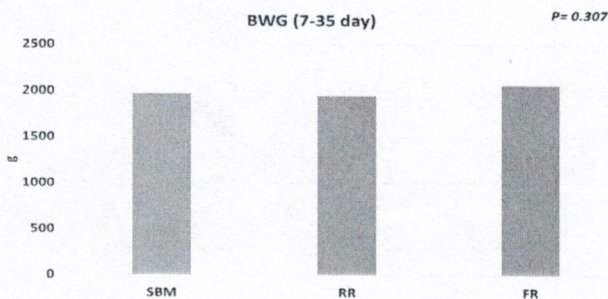
The aim of the present study was to determine the effect of the use of rapeseed feed on broiler chickens performance.

A total of 216 seven-day-old female Ross 308 were used in this experiment and the following treatments were applied:

Treatments	Description
SM (Soybean)	Control diet based on Soybean meal
RR (Raw rapeseed cake)	SBM was partially replaced with 15% raw rapeseed cake
FR (Fermented rapeseed cake)	SBM was partially replaced with 15% fermented rapeseed cake

The birds were kept till 35 day of age. At arrival, the birds were weighted and randomly distributed to three different groups, 12 replicates per group and six birds per replicate. Birds were fed *ad libitum* during the whole period of the experiment. The measurement of the body weight gain (BWG), feed intake (FI) and feed conversion ratio (FCR) was conducted during day 7, 14, 28 and 35.

RESULTS



CONCLUSION:

The research conducted to date has shown that fermented rapeseed feeds can serve as a replacement of soybean meal in broiler chickens.