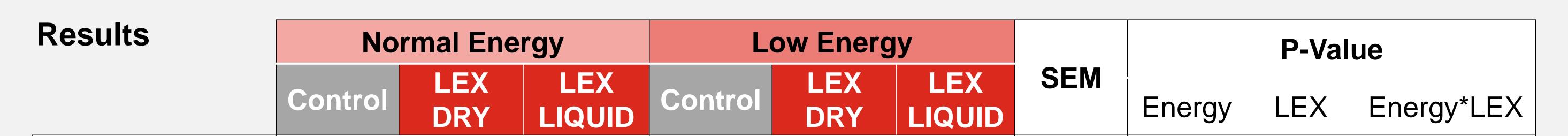
Supplementing a combination of lysolecithins, a synthetic emulsifier and monoglycerides, supports bird welfare and performance of broilers

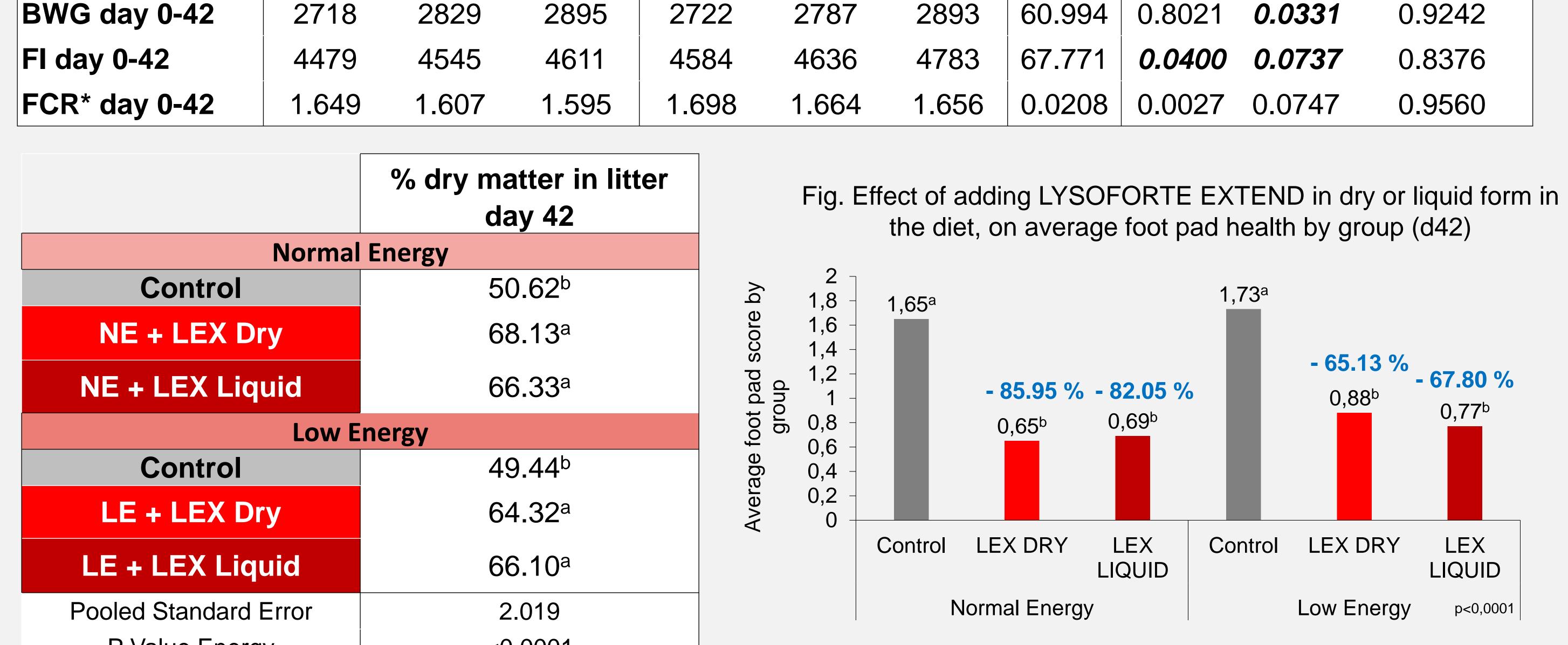
**Desbruslais A., Gonzalez-Sanchez D. and Wealleans A.L.<sup>1</sup>** <sup>1</sup> Kemin Europa NV - Toekomstlaan 42 - 2200 Herentals Belgium – alexandra. desbruslais @kemin.com

## Introduction

Optimizing feed costs and consumer concerns regarding animal welfare, remain a challenge for the broiler industry, fuelling interests in solutions that can reduce production costs and/or support welfare. LYSOFORTE<sup>®</sup> EXTEND (LEX), is a combination of lysolecithins, a synthetic emulsifier and monoglycerides, available in both liquid and dry form, intended to support feed digestion and nutrient absorption. This study investigated the application of LEX in broiler diets containing two different energy levels, to elucidate the effect on bird welfare and performance.

Materials and Methods	Energy Level	Treatment
		Control
<ul> <li>1248, day-old Ross 308 broilers were assigned to a 42-day study</li> </ul>	Normal Energy (NE)	Control + LEX Dry 500g/t
<ul> <li>13 pen replicates/treatment (16 birds/rep).</li> </ul>		Control + LEX Liquid 300g/t
<ul> <li>Feed intake (FI) and weight were measured on day 0, 10, 21 and 42</li> </ul>	Low Energy (LE)	Control
<ul> <li>On day 42 a litter sample was collected from each pen (mixed from 5</li> </ul>		Control + LEX Dry 500g/t
sites within the pen) and two birds per pen were assessed for footpad lesions.	-100kcal in grower and finisher phase)	Control + LEX Liquid 300g/t





P Value Energy



Score 0 = no evidence of damage; 1 = mild damage; 2 = severe damage



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## CONCLUSION

- Regardless of the energy content of the broiler diet, adding a combination of lysolecithins, a synthetic emulsifier and monoglycerides, resulted in improved bird growth
- In a low energy diet, LEX enabled to achieve a similar feed efficiency as when feeding a normal energy diet
- The use of the LEX also promoted a better litter quality and footpad health supporting animal welfare

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