

R&D Snapshot

Development of nutritional strategies to attenuate the impact of poor environments through down-regulation of eicosanoid mediators

Investigator: Dr Jae Kim

Purpose:

- To determine if the dietary supplementation of boron, vitamin E, and omega-3 fatty acids and their synergistic effects in the weaner and finisher diet will attenuate the impact of a poor environment

Take home messages:

- Dietary inclusion of boron, vitamin E and omega-3 fatty acids singularly or in combination had limited impact on the indicators of intestinal health, inflammatory response and performance of pigs
- However, a correlation analysis showed boron intake enhanced intestinal structure, reduced damage in the liver and increased the body weight of pigs, although these effects were not detectable in the treatment-based statistical analysis
- Further investigation into the inclusion level of boron in diets for weaner pigs may be required

Additional information:

- For further information or a copy of the full report, please contact Robyn Terry at robyn.terry@australianpork.com.au on 02 6270 8820

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