

Canada's pork producers' technical and business information resource.

4828 - 89 Street NW, Edmonton, AB T6E 5K1

Volume 40 | Number 1 **Summer 2018**

Date of Issue: July 2018

Published five times annually by Alberta Pork with cooperation from the British Columbia Hog Marketing Commission, Sask Pork and Manitoba Pork Council.

Circulation

This publication is distributed to qualified pork producers and industry stakeholders across Canada in BC, Alberta, Saskatchewan, Manitoba, Ontario, Quebec, and Atlantic Canada.

Subscriptions

For new subscriptions, change of address or other subscription queries, please contact: Charlotte Shipp, c/o Alberta Pork 4828 - 89 Street NW Edmonton, Alberta T6E 5K1 Phone: (780) 491-3528 Fax: (780) 479-5128 charlotte.shipp@albertapork.com

Publications Mail Agreement No. 40062769 Return Undeliverable Canadian Addresses to: Circulation Department 4828 - 89 Street NW Edmonton, Alberta T6E 5K1

Advertising

Please direct advertising and marketing inquiries to Sheri Monk. Phone: 403-627-9108 Email: sherimonk@gmail.com

Publisher

Darcy Fitzgerald, Alberta Pork

Business Manager & Editorial Director

Sheri Monk 403-904-5100 (o) 403-627-9108 (m) sherimonk@gmail.com

Cover Photo

Kaleesi Monk, age 6, wants to be a scientist when she grows up, and she was able to play the part during a recent event at the University of Manitoba.



Message from the Editor4
For the love of science 4-H growing minds and hearts for the future of ag6
New hand at the helm of Prairie Swine Centre10
Ten-year-old field study yields wealth of information on manure management12
Commercial scale research by Gowans Feed Consulting16
Feeding hulled or hull-less barley differing in fermentable starch and fibre to weaned pigs20
Optimizing concrete slat and gap widths for group-housed gestating sows24
High-fibre diets and immune stimulation increase threonine requirements in growing pigs30
Hybrid rye replacing wheat grain for hogs33
Development of novel microparticles for effective delivery of an antimicrobial essential oil to pig intestinal tract
Precision feeding for gestating sows – results of a commercial trial41
Suckling of a teat for two days in first parity ensures enough milk is produced in second parity43
Low cost feeding strategies in nursery production – Feeding simplified diets with feed enzymes45
Swine research, education and outreach at the University of Alberta in the Department of Agricultural, Food and Nutritional Science 48
Ad Index 50