Nutrient Density Profiles for Conventional vs. Pasture-Raised Pork

Objective: To compare nutrient density profiles of pork from conventionally raised pigs and pasture-raised pigs on full grain, 50% reduced grain and grain-free rations.

<table>
<thead>
<tr>
<th>Conventionally raised pork</th>
<th>VS</th>
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<tbody>
<tr>
<td>Pasture-raised on full grain</td>
<td>Pasture-raised on 50% reduced grain</td>
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3 groups of 8 pigs; fed from 8 weeks old to 250 lbs

Farmer-cooperator, will:
- Feed three groups of eight pigs each, one of three rations illustrated above. Pigs will be fed from eight weeks old until 250 lbs.
- Weight pigs once a month; record rate of gains.
- Harvest each pig at 250 lbs; record date. Harvest will take place between November 15, 2017 and January 15, 2018.
- Send loin and fat samples to University of Missouri for nutrient density testing and taste testing.
- Keep track of all production costs for each group.
- Send data and analysis Practical Farmers of Iowa in order to write a research report.

Practical Farmers of Iowa will:
- Monitor progress of project and provide support when needed.
- Help analyze the data and write a research report.
- Publish results in a PFI research report, on PFI website and potentially other outlets.
- Pay the Farmer Cooperator a fee of $550 at the conclusion of the project in 2018.

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The terms of this Research Protocols document are subject to the terms of the individual Research Cooperator’s Memorandum of Understanding agreement with PFI. To the extent these terms may differ or conflict, the Memorandum of Understanding shall control.