LeanFuel®

RESEARCH SUMMARY:

Summer Feeding Strategies to Optimize Performance

BACKGROUND:

During the summer months when hog prices reach the highest of the year, pigs often grow slower. Heat stress decreases the rate of gain by reducing daily feed intake. The most common strategy used to reduce the impact of heat stress is by increasing energy and adding fat. This research trial was conducted to evaluate if the feed additives Narasin and LeanFuel® fed independently or in combination could be used as an alternative strategy to feeding higher amounts of added fat to economically increase growth rate during the summer months.

TREATMENTS:

All diets fed in this study were Corn-SBM diets. Diets fed during each of the five phases were formulated to a constant SID Lysine:ME Ratio. The diets contained either 0, 1, or 2 percent added fat depending on treatment. Narasin was added at 0 or 13.6 grams per ton, and LeanFuel® was added at either 0 or 2.5 pounds per ton depending on treatment.

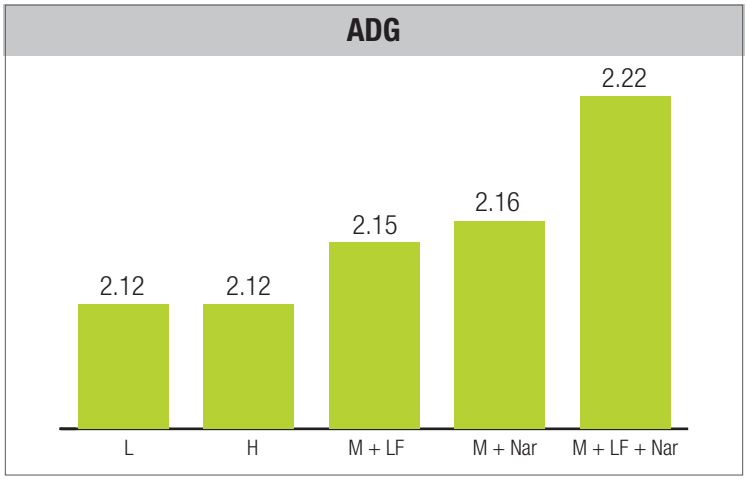
1) **L** = Low energy with no added fat.
2) **H** = Higher energy with 40 pounds added fat.
3) **M+LF** = Moderate energy with 20 pounds added fat with LeanFuel® fed from 200 pounds to market.
4) **M+Nar** = Moderate energy with 20 pounds added fat with Narasin fed from 70 pounds to market.
5) **M+LF+Nar** = Moderate energy with 20 pounds added fat with Narasin fed from 70 pounds to market and LeanFuel® fed from 200 pounds to market.

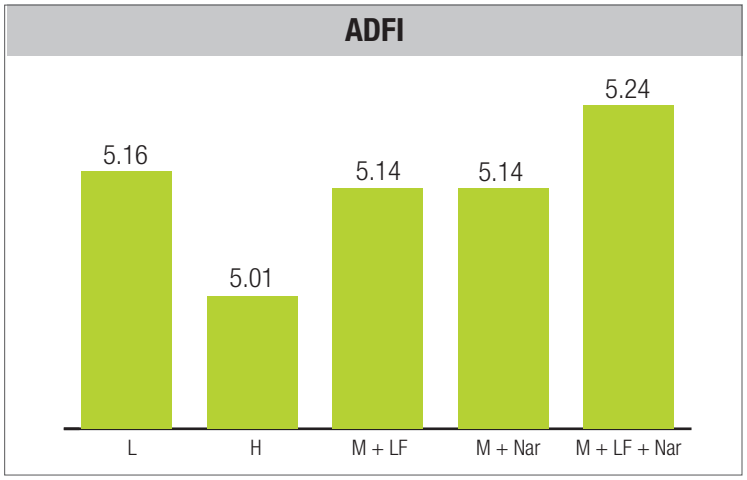
CONCLUSION:

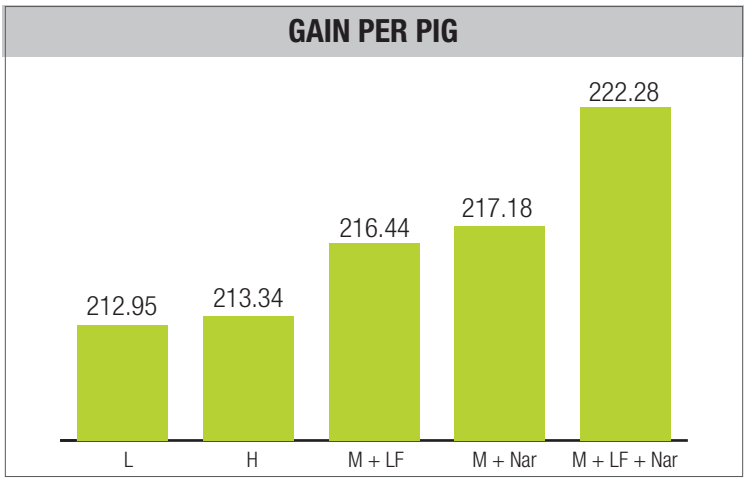
ADG was significantly higher for M+LF+Nar compared to the L and H (4.8% improvement for the overall period).

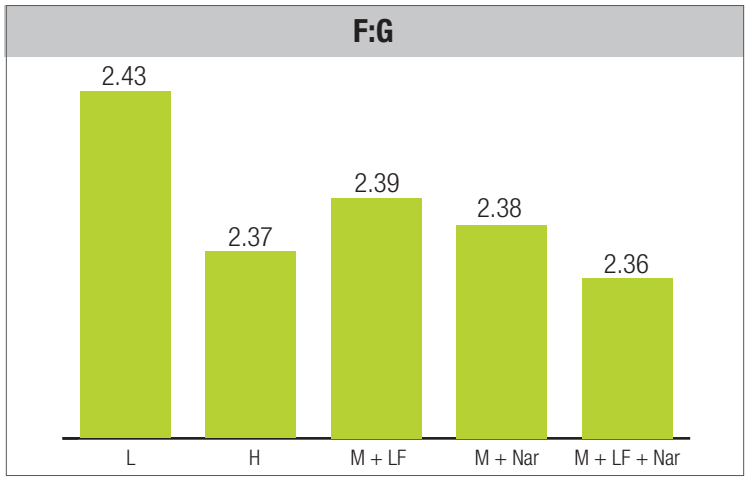
Gain per pig for M+LF+Nar was increased by approximately **10 pounds** over H.

Combination of LeanFuel® plus Narasin supported the **improved growth rate** during the summer months.









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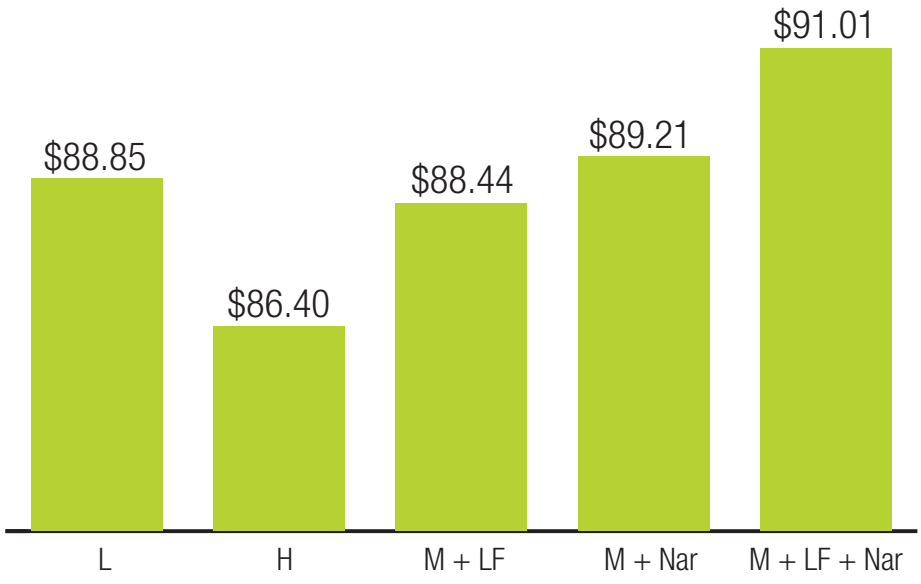
MARGIN OVER FEED, $/PIG



Ingredient Cost
Corn - $5.04
SBM - $320
Corn Oil - $900

Live Market Price
$.68/pound

Increase of $5.00 MOF
for the M+LF+ Nar over H

Increase of ~$2.50 MOF
for the M+LF+Nar over L, LF, or Nar

- Each 0.02 improvement in F:G calculates to lower feed cost of $0.45 to $0.50 per pig.
- Each pound of gain increases revenue by, (carcass price ($/lb) x yield).
- LeanFuel® consumption in this trial for M+LF and M+LF+Nar averaged 0.34 pounds per pig.

These results were presented at the 2021 Midwest Animal Science meetings.
Knopf, B., A. Hanson, G. Silva, B.A. Peterson, K. Soltwedel, M. Bible, and F. Sandberg. 2021. Evaluation of alternative summer feeding strategies to optimize performance in high lean genetics using energy, narasin and phytonutrient blend individually, or, in combination. 2021 Midwest ASAS Virtual Meeting.

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