

# Management Guidelines for Optimizing PIC410 Sired Pig Performance

The PIC410 is a hybrid boar that combines high primal yields, leanness and robustness with the excellent growth rate, feed conversion, carcass leanness and meat quality of the industry's leading terminal boar, the PIC337. Resulting from generations of quantitative selection for economically important traits and more recently with the aid of marker assisted selection, the PIC410 boar is positioned for those producers who desire a terminal boar that sires pigs with efficiently produced high yields of lean primal cuts.

## 1. Feed and Feeder Specifications

### A. Recommended Feed Manufacturing Specifications (Form and Particle Size)

- Physical form
  - Preferred feed form for economic and production performance is pelleted feed.
- Particle Size (Mash or Pellets)
  - 500 - 700 microns
  - < 30% over 1 mm
  - < 30% under 300 microns
  - < 7.5% under 150 microns

### B. Feeder Requirements (Dry and Tube)

#### Dry Feeders

- Maximum of 12 pigs per feeder space
- Minimum of 14 inches of head space per pig

#### Tube Feeders

- Maximum of 11 pigs per tube
- Minimum of 2 inches of trough space per pig

### C. Minimize Incidence of Off-feed Events

Control respiratory and enteric disease through strategic feed and water medications and/or vaccinations

#### Minimize mechanical feed disruption

- Check feed delivery system and bin inventories daily
- Meet minimum feed particle size requirements
- Maximum of 4% added fat in mash feed



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## **2. Space Requirements**

- Minimum of 6.6 sq feet per pig for pigs weighing less than 265 pounds
- Minimum of 8.0 sq feet per pig for pigs weighing greater than 265 pounds
- Optimum space requirement dependent on economic value for pig space

### Pig Flow Recommendations

- Single source into buildings with a maximum of 7 days age spread at placement
- Practice AIAO management by site

Minimize mixing of pigs after placement. Only remove pigs that cannot compete in the current pen environment

### Marketing

- Only practice feed withdrawal on barn close-outs
- All truckers should be TQA Certified (Trucker Quality Assurance Program created by the National Pork Board)
- Paylean<sup>1</sup>
  - Incidence of deads and downers may increase with Paylean use. Ensure that handling and transport procedures minimize stress to reduce potential transport loss.
  - Transport losses may increase as inclusion level and duration of feeding increases

## **3. Nutritional Needs**

- PIC Nutrient Specifications (2008)

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<sup>1</sup> Paylean® is a trademark for Elanco's brand of ractopamine.