The need for alternative proteins in nursery diets
Introducing PROPLEX DY
Why Consider PROPLEX DY?
How PROPLEX DY delivers value
Data to support PROPLEX DY
Using PROPLEX DY on your operation
Summary
The need for alternative proteins
Quality protein when it’s needed most.

- Young pigs require high-quality protein to support feed intake, digestive function, and immunity.
- Soybean meal, an economical source of protein in pig diets, has anti-nutritional factors that result in allergic reactions when fed to young pigs.
- Reducing exposure to soybean meal in young pig diets requires greater use of non-soybean ingredients.
Introducing PROPLEX® DY
PROPLEX DY is a yeast-based, quality protein source that helps improve cost of gain without sacrificing performance in young pig diets by displacing variable and/or expensive ingredients.

Guaranteed Analysis*

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crude protein, min.</td>
<td>46.0%</td>
</tr>
<tr>
<td>Crude fat, min.</td>
<td>2.5%</td>
</tr>
<tr>
<td>Moisture, max.</td>
<td>10.0%</td>
</tr>
</tbody>
</table>

*Based on USA regulatory guidelines.

Ingredient

Dried Yeast

AAFCO Definition – 96.1 Dried Yeast

Physical Characteristics

Tan-colored, flowable meal; bulk density 40-44 lb/ft³

Directions for Use

For further manufacture of animal feeds. This product is intended as a source of protein for making animal feeds. Consult your nutritionist for specific mixing directions.

Storage & Handling

Store in unopened, original packaging in cool, dry area. Shelf life is two years from date of manufacture.

Ordering Information

Packaging: 1,000-kg totes and bulk
Customer service: 800-245-9746
Why consider PROPLEX DY?
Key Points

• Highly concentrated yeast; no additional carriers
• Consistent nutrient profile, quality, and supply
• Research-proven
• Highly digestible amino acids
• Added flexibility in ration formulations
• No known anti-nutritional factors
• Excellent palatability
• No animal protein
• Sustainable resource, compared with limited protein sources, such as fishmeal
Why use PROPLEX DY?
PROPLEX DY adds value to nursery diets

- Highly concentrated yeast; no additional carriers
- Consistent nutrient profile, quality, and supply
- Research-proven
- Highly digestible amino acids
- Added flexibility in ration formulations
- No known anti-nutritional factors
- Excellent palatability
- No animal protein
- Sustainable resource, compared with limited protein sources, such as fishmeal

Improved returns on feed investment by displacing protein sources that are more variable in quality, supply, and price
Data to support PROPLEX DY
The Data to Support PROPLEX DY

**PROPLEX DY TRIAL RESULT**

<table>
<thead>
<tr>
<th>Stage</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Farrow</td>
<td>~13 lb 21 days of age</td>
</tr>
<tr>
<td>Nursery</td>
<td>~13 lb 21 days of age</td>
</tr>
<tr>
<td>Growing</td>
<td></td>
</tr>
<tr>
<td>Finishing</td>
<td></td>
</tr>
</tbody>
</table>

8% inclusion rate

Replaced fish meal and soy products

Fed for 6 weeks post-weaning

Maintain performance while decreasing feed costs

![Graph showing Gain:Feed Overall](image)


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1Source: Journal of Animal Science. 2013. 91(Suppl 2):115
Additional research confirms PROPLEX DY performance in nursery diets

<table>
<thead>
<tr>
<th>Trial</th>
<th>Inclusion Rate</th>
<th>Feeding Period</th>
<th>Ingredient(s) replaced</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hesse, et al. (2016)²</td>
<td>Up to 10%</td>
<td>14 days post-weaning</td>
<td>Fish meal and soy protein concentrate</td>
<td>No negative affect on performance; therefore, it is assumed an improved ROI if PROPLEX DY is priced less than fish meal and soy protein concentrate program</td>
</tr>
<tr>
<td>ADM Trial S15108</td>
<td>Up to 8%</td>
<td>20 days post-weaning</td>
<td>Bloodmeal, soy protein concentrate, and animal by-products</td>
<td>Feed efficiency improvements up to 7%</td>
</tr>
</tbody>
</table>
Using PROPLEX DY on your operation
# Nursery Pig Ration Recommendations

<table>
<thead>
<tr>
<th>Stage/Phase</th>
<th>Estimated Body Weight</th>
<th>Suggested Inclusion Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stage 1/Pre-Starter</td>
<td>8-15 lb</td>
<td>3-8%</td>
</tr>
<tr>
<td>Stage 2</td>
<td>15-25 lb</td>
<td>3-5%</td>
</tr>
<tr>
<td>Stage 3</td>
<td>25-50 lb</td>
<td>1-2%</td>
</tr>
</tbody>
</table>
Commercial Feed: Line Products or Custom with PROPLEX DY

- MotivAte™ Starter Products
  - MotivAte 10/12
  - MotivAte 12/15
  - MotivAte 15/25
  - MotivAte Pig Mix 700

- MOMENTUM® 5-10 FROATCOATS ®

- MAF (Meat/Antibiotic Free) Products

- Review potential for custom products by plant
PROPLEX DY options from ADM Animal Nutrition™

<table>
<thead>
<tr>
<th>Feed Type</th>
<th>Target Customer</th>
<th>Product Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Premix</td>
<td>Feed manufacturers, or operations that mix on-farm</td>
<td></td>
</tr>
<tr>
<td>Complete Feeds</td>
<td>Products</td>
<td></td>
</tr>
<tr>
<td>Specialty Ingredient</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Additional Species Applications
PROPLEX DY in Summary

**Increase ROI**
Decrease feed costs while maintaining nursery pig performance.
- **Excellent amino acid profile**
  Allows PROPLEX to be used in place of some higher priced protein sources

**Limit Variability**
Protein sources with variability in nutritional profile or supply hurt performance.
- ADM utilizes quality processes to control the entire production from fermentation to final product

**Rest Assured**
An ingredient option that you can count on.
- Not animal sourced; no known anti-nutritional factors; and more sustainable than fish meal and other protein ingredients with limited resource
References

