Understanding why Nutritionists can give you different answers without lying…

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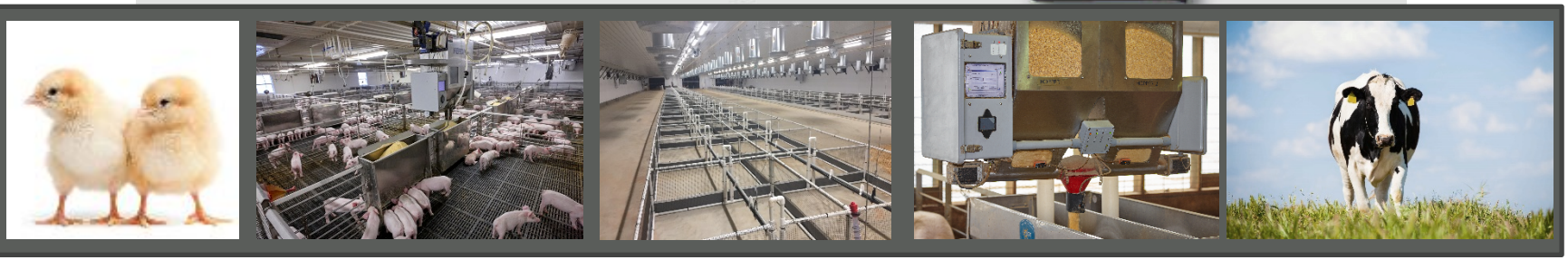
“Nutritionist”

Our People

Research Capabilities



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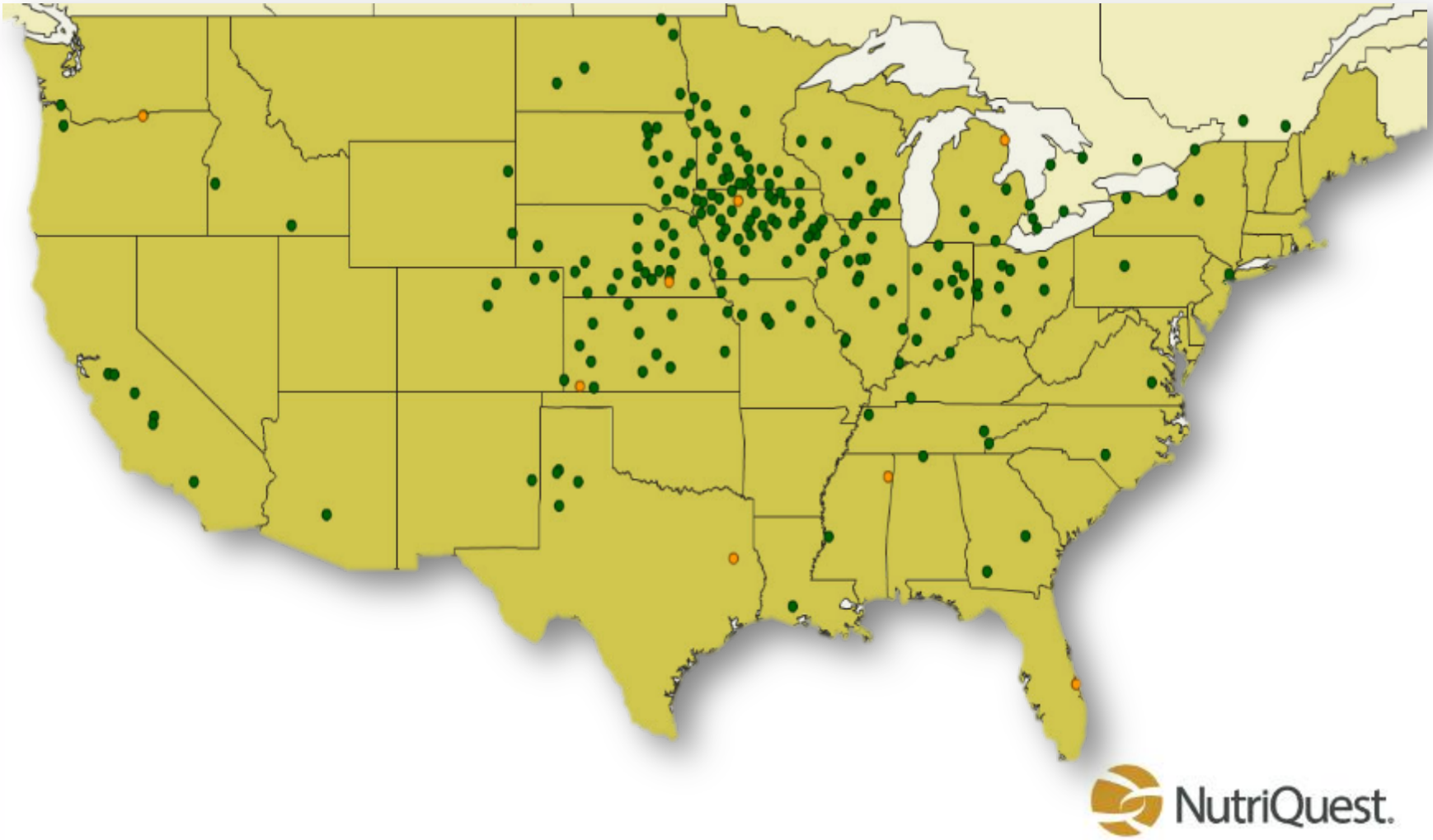

Shadow prices determine value in formulations, but they are formulation dependent:

- Shadow prices are based on input of nutrient profiles of ingredients and nutrient requirements of the animal/diet.

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Shadow prices determine value in formulations, but

Phase of production matters?

Diet	Plant 6741	Plant 6743
Gestation	$191.36	$188.28
Lactation	$189.85	$200.06
Finishing	$202.36	$213.59

Ingredient comparison $/ton with Corn $126, SBM 382, Fat $420

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Shadow prices determine value in formulations, but

What happens as inclusion climbs?

Diet	Plant 6741
Finishing Diet	
0 lb DDGS	$202.36
200 lb DDGS	$175.64
400 lb DDGS	$163.65
600 lb DDGS	$160.09
800 lb DDGS	$152.24

Ingredient comparison $/ton with Corn $126, SBM 382, Fat $420

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Shadow prices determine value in formulations, but

Use of other ingredients matters?

(Diet used 400 lb of DDGS to start with, so this is value of 401st lb)

Diet	Ethanol Plant	SBM
Finishing Diet (Lysine, Thr, Trp)	$180.92	180 lbs / ton
Finishing Diet (Lysine, Trp)	$193.03	295 lb / ton
Finishing Diet (Lysine only)	$156.62	350 lb /ton

Ingredient comparison $/ton with Corn $126, SBM 382, Fat $420

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Shadow prices determine value in formulations, but

Does your ingredients max matter?

Diet	Ethanol Plant	SBM
Finishing Diet (Lysine (11 lb max), Thr, Trp)	$180.92	180 lbs / ton
Finishing Diet (Lysine (6lb max), Thr, Trp)	$153.42	310.8 lb / ton

Ingredient comparison $/ton with Corn $126, SBM 382, Fat $420

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Review: What impacts a nutritionists answer to what is the value of my DDGS?

- Ingredient costs (Corn SBM, Fat, etc…This is the simple stuff.
- Phase of Production
- Inclusion desired in feed
- Amino acids used in formulation
- Level of amino acids used in formula (max)

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