

# FULL VALUE

PORK™



PRODUCTIVITY

## FINDING OPPORTUNITY IN CHANGING MARKETS

GLOBAL  
MARKETS



HOG  
MARKETS



FEED  
COSTS

**Elanco**

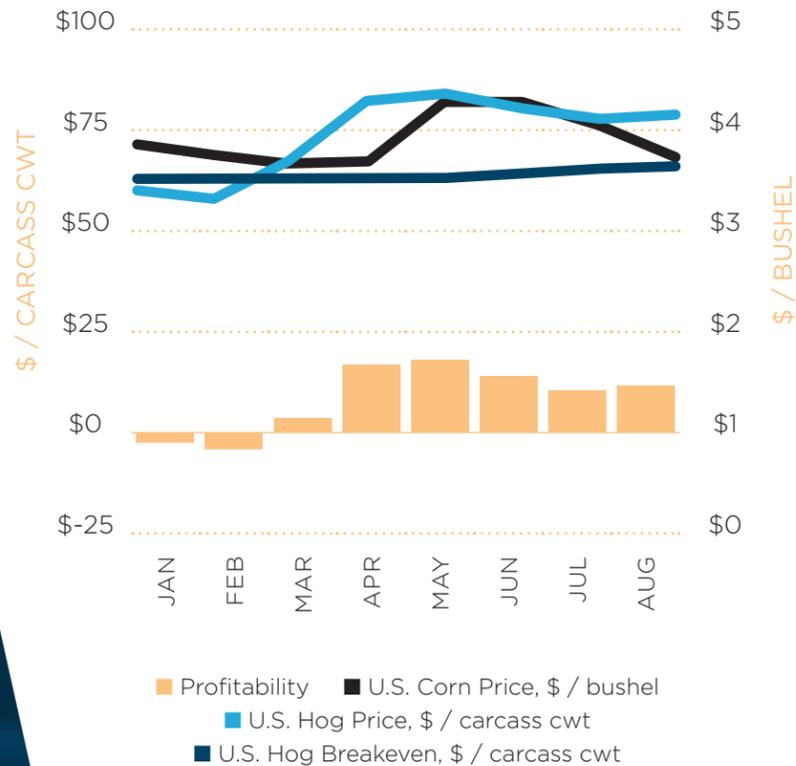
**Skycis**®

™

# VOLATILITY IMPACTING MARKETING STRATEGIES

Market volatility surrounding trade for both meat and grain exports, disease challenges such as African Swine Fever (ASF) and varied grain-yield expectations continue to drive fluctuations in hog markets. More so than ever before, thoughtful management of input costs, efficiency gains and marketing strategies are a determining factor in profit potential.

## HOG PROFITABILITY AND CORN MARKET FLUCTUATIONS, 2019<sup>3,4</sup>



## ASF IMPACT



### Six Asian countries

have detected and reported ASF outbreaks<sup>1</sup>



### In one year,

nearly 5 million pigs have died or been culled<sup>1</sup>



### 25-35%

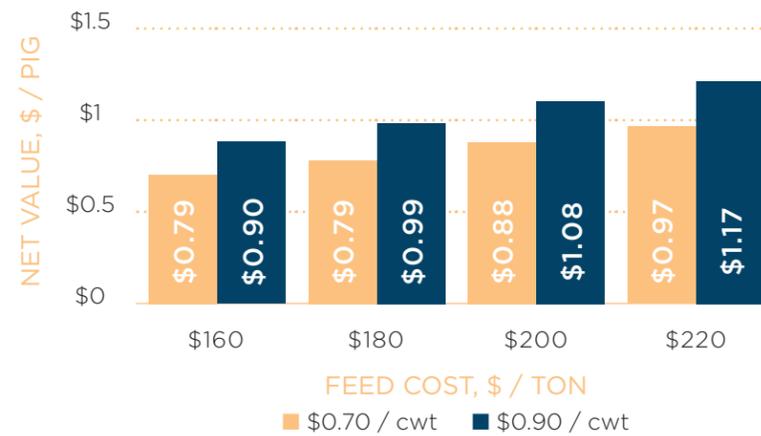
of China's pig population is estimated lost<sup>2</sup>

# FEED EFFICIENCY AT FIXED-WEIGHT

When a set goal weight to maximize value has been determined, Skycis<sup>®</sup> helps to maximize feed efficiency, increasing weight gain and ultimately, carcass weight and yield.<sup>5</sup>

## SKYCIS FEED EFFICIENCY IMPACT ON FIXED-WEIGHT\*

Intervention Model



## FIXED-WEIGHT. Skycis drives value when:



High feed costs



Low feed costs



High carcass prices



Low carcass prices

\*Value streams include: Carcass yield, and feed:gain. Model assumes 13.6 g/ton, 115 days fed.

Efficiency.  
Performance.  
Profitability.

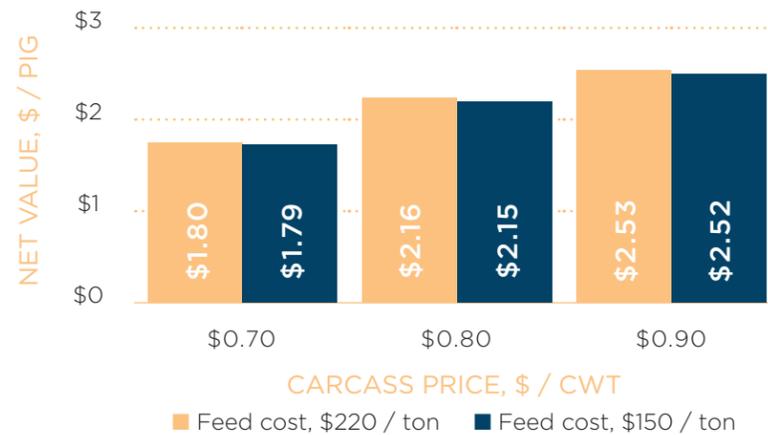


## FEED EFFICIENCY IN FIXED-TIME FEEDING

When maximum weight is needed quickly to meet space requirements, contract timing, or other market influences, Skycis helps to maximize feed efficiency, increasing weight gain and ultimately, carcass weight and yield.<sup>5</sup>

### SKYCIS FEED EFFICIENCY IMPACT ON FIXED-TIME FEEDING\*\*

Intervention Model



LIMITED TIME ON FEED. Skycis drives value when:



High feed costs



Low feed costs



High carcass prices



Low carcass prices

\*\*Illustrates feed cost has little impact on Skycis value, not necessarily applicable to all other inputs; Value streams include: Daily gain, carcass yield, and feed:gain. Model assumes 13.6 g/ton, 115 days fed.

**Efficiency.  
Performance.  
Profitability.**

## FEED EFFICIENCY FOR GROWTH, PERFORMANCE AND PROFITABILITY

Skycis's active ingredient, narasin, balances digestive system bacteria to deliver consistent growth and performance in growing and finishing pigs. An animal-use-only ionophore, Skycis drives weight gain and feed efficiency by improving feed utilization and increasing energy availability.<sup>5</sup>

### WHEN FED ACCORDING TO LABEL DIRECTIONS, SKYCIS HAS:



No Veterinary Feed Directive (VFD) required



Zero-day withdrawal period

### PHASE FEEDING<sup>5</sup>

**4.35%**  
ADG

**1.43%**  
Feed:Gain

**2.56 lbs**  
Final live weight

### EXTENDED FEEDING<sup>5</sup>

**1.5%**  
ADG

**1.44%**  
Feed:Gain

**3.38 lbs**  
Hot carcass weight



**28 days**

Skycis can be fed throughout grow-finish or for a minimum of 28 days during early, mid or late grow-finish.



**4 weeks**

For increased weight gain and improved feed efficiency, feed for at least 4 weeks at 18.1 to 27.2 grams per ton.

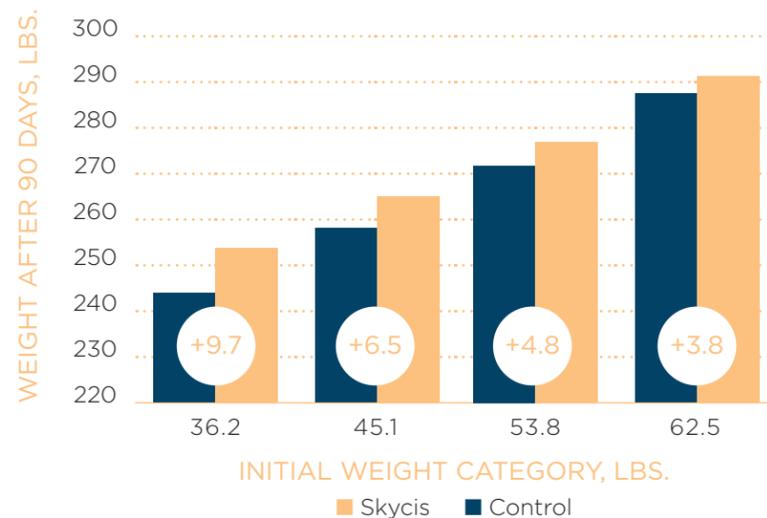


# MANAGING WEIGHT VARIATION

Weight variation impacts profitability. At some point, returns start to decrease due to poor feed efficiency, packer discounts, or both. Operational choices should be selected that minimize distribution and maximize the return where the majority of the pigs land on the grid. Reducing variation targets a more profitable weight for the entire population.

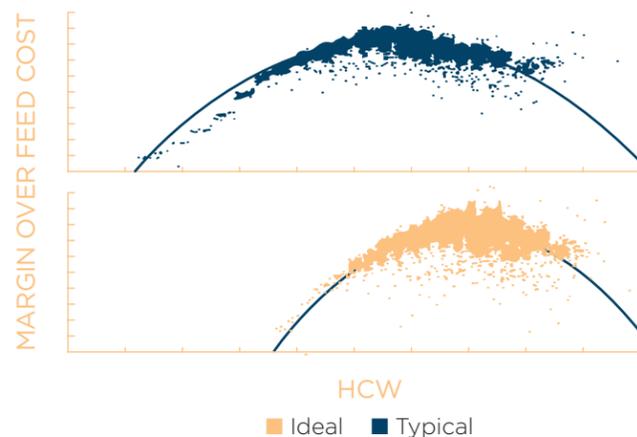
## EFFECT OF SKYCIS ON WEIGHT VARIATION

After 90 days vs. start weight<sup>6</sup>



## WEIGHT DISTRIBUTION MODEL

Marketed hogs – typical vs. ideal state



### Mitigate variation

Skycis helps to mitigate variation through feed efficiency, especially in light weight pigs.<sup>6</sup>

## THE LABEL CONTAINS COMPLETE USE INFORMATION, INCLUDING CAUTIONS AND WARNINGS. ALWAYS READ, UNDERSTAND AND FOLLOW THE LABEL USE AND DIRECTIONS.

Communicate Skycis inclusions in feed to the full production system prior to use. Proper training, formulations, mixing and concentration levels are important to successfully implement Skycis.

Indications	Appropriate concentration of narasin in Type C Medicated feed:
Increased rate of weight gain in growing-finishing swine when fed for at least 4 weeks.	13.6 to 27.2 g/ton (15 ppm to 30 ppm)
For increased rate of weight gain and improved feed efficiency in growing-finishing swine when fed for at least 4 weeks.	18.1 to 27.2 g/ton (20 ppm to 30 ppm)

No increased benefit in rate of weight gain has been shown when narasin concentrations in the diet are greater than 13.6 g/ton (15 ppm).

### IMPORTANT SAFETY INFORMATION

- Do not allow adult turkeys, horses or other equines access to narasin formulations. Ingestion of narasin by these species has been fatal. Not approved for use in breeding animals because safety and effectiveness have not been evaluated in these animals.
- Swine being fed with Skycis (narasin) should not have access to feeds containing pleuromutilins (e.g., tiamulin) as adverse reactions may occur. If signs of toxicity occur, discontinue use.
- No withdrawal period is required when used according to the label.



**Efficiency.  
Performance.  
Profitability.**



# MANAGE VARIATION AND FLUCTUATING MARKETS THROUGH INCREASED FEED EFFICIENCY FROM SKYCIS.

Maximize profit potential.  
*Learn more at [elanco.us/skycis](http://elanco.us/skycis).*

## FULL VALUE TO THE FINISH



From weaning to market, disease challenges, variation, and market factors determine success. Get Full Value to the finish with Elanco products, resources and expertise.

<sup>1</sup>Food and Agriculture Organization of the United Nations (n.d). One year on, close to 5 million pigs lost to Asia's swine fever outbreak. Retrieved from <http://www.fao.org/news/story/en/item/1204563/icode/>.

<sup>2</sup>McCracken, C. 2019. RaboBank: Rising African Swine Fever Losses to Lift All Protein Boats. Retrieved from: <https://research.rabobank.com/far/en/sectors/animal-protein/rising-african-swine-fever-losses-to-lift-all-protein.html>. Accessed on Oct 3, 2019.

<sup>3</sup>Macrotrends (2019). Macrotrends. Retrieved from <https://www.macrotrends.net/2532/corn-prices-historical-chart-data>.

<sup>4</sup>Iowa State University, Extension Outreach (n.d). Estimated Returns Farrow to Finish, Iowa. Retrieved from <http://www2.econ.iastate.edu/estimated-returns/Farrow%20to%20Finish%20PDF.pdf>.

<sup>5</sup>Elanco Animal Health. Data on File.

<sup>6</sup>Elanco Animal Health. Data on File.

