

# Feed Conversion Rate (FCR) Work Points

## WF Cornerstone and Work Point

## Top Check Points

## Quick Reference

Quality Weaned Pig	<b>Weaned Weight &amp; Age</b> <ul style="list-style-type: none"> <li>• Impact in all pig population or specific closeouts</li> <li>• Ability and willingness to eat and drink</li> <li>• Every additional weaning day improves FCR</li> </ul>	<ul style="list-style-type: none"> <li>• Weaned weight efficiency &gt;95%</li> <li>• Weaning age distribution 3-4ds spread/batch and desirable &gt;18days</li> <li>• Genetic sireline index Review sireline index levels and its distribution</li> </ul>
	<b>Health Status at Wean*</b> <ul style="list-style-type: none"> <li>• WF performance by flow/site/barn can be impacted according to disease challenges</li> </ul>	<ul style="list-style-type: none"> <li>• Understand sow health status</li> <li>• Review herd vaccination program</li> <li>• Check medicine strategy at wean</li> </ul> <p>Review with the veterinarian team</p>
WF Health Status	<b>Health challenges in WF site</b> <ul style="list-style-type: none"> <li>• WF performance by flow/site/barn can be impacted according to disease challenges</li> <li>• Late mortality has an important FCR impact</li> </ul>	<ul style="list-style-type: none"> <li>• Health status at wean*</li> <li>• Mortality reasons/distribution</li> <li>• Actions w/disease monitoring results</li> </ul> <p>Review with the veterinarian team</p>
Nutrient Access	<b>Feed Adequacy</b> <ul style="list-style-type: none"> <li>• All pig fed by a feed mill are impacted</li> <li>• FCR can be impacted by feed processing and formulation factors such as Energy/aa or feed form</li> </ul>	<ul style="list-style-type: none"> <li>• Ingredient suitability</li> <li>• Particle size and pellet quality</li> <li>• Does feed analysis match expected levels?</li> </ul> <p>Review with the nutritionist and feed mill - Use PIC nutrition tools for energy, amino acids and Phosphorous</p>
	<b>Feed Budget</b>	<ul style="list-style-type: none"> <li>• Right feed, Right amount, Right time</li> <li>• Feed intake variation among closeouts</li> </ul> <p>Check with feed budget tool by closeout</p>
	<b>Feed Availability</b> <ul style="list-style-type: none"> <li>• Impact depends on barn or pen situation</li> <li>• Impact in all pig population or specific closeouts</li> </ul>	<ul style="list-style-type: none"> <li>• Feeder adjustment</li> <li>• Feeder space/pig</li> </ul> <p>Day 1-3: 60-70% &amp; Day7+: 35-50% -Dry Feeders: Nursery: 1", Finisher: 2" -Wet-Dry: 1.25"</p>
Pig Husbandry	<b>Cold Stress</b> <ul style="list-style-type: none"> <li>• Keeping pigs within their thermoneutral zone will drive better FCR and limit the energy amount to keep themselves warm</li> </ul>	<ul style="list-style-type: none"> <li>• Temperature records</li> <li>• Ventilation, heater/brooder settings</li> <li>• Pig behavior</li> </ul> <p>Check temp. curve w/DRT Excel tool Check CFM/hd curve, bandwidth, setpoint, offset Cold stress: Piling, hairy pigs, vices</p>
	<b>Ventilation Rates</b> <ul style="list-style-type: none"> <li>• Gases are easily perceived</li> <li>• Air drafts produce cold stress</li> </ul>	<ul style="list-style-type: none"> <li>• Ventilation rate</li> </ul> <p>- 600-800 FPM at inlet, 650-800 FPM at curtain - Air exchange 35-40 sec and &lt;65% humidity</p>
	<b>Competition</b> <ul style="list-style-type: none"> <li>• Competition for Feed/water/space within the pen will lead to burn an extra energy to access feed rather than converting it to lean muscle.</li> </ul>	<ul style="list-style-type: none"> <li>• Placement plan</li> <li>• Real ft<sup>2</sup>/pig per pen</li> <li>• Market strategy</li> </ul> <p>Review Early Pig Care SOP and sorting process 60lbs-2.8ft<sup>2</sup> &amp; 265lbs:7.3ft<sup>2</sup> &amp; &gt;265:7.5+ft<sup>2</sup> Avoid heavy pigs in late market shipments</p>
Market Strategy	<b>Market Selection</b>	<ul style="list-style-type: none"> <li>• Market weight variation</li> </ul> <p>CV: 8-12%. No light pigs in the first market cuts and no heavy pigs in the last market cuts</p>
	<b>Feed waste in market pigs</b> <ul style="list-style-type: none"> <li>• Feed in the stomach on the slaughter line is a waste.</li> </ul>	<ul style="list-style-type: none"> <li>• Feed withdrawal procedure</li> </ul> <p>12-18 hrs before market</p>