

# Betafin S4 for Pigs - Quick Reference Guide

<b>Application</b>	Suitable for moderate-humidity conditions and home mixing. Crystalline product, containing 93% betaine and 4% calcium stearate for product flowability.
<b>Economic benefits</b>	<ul style="list-style-type: none"> <li>• Lower feed costs</li> <li>• More uniform pigs</li> <li>• Higher quality end product from increased carcass yield</li> <li>• Contributing to food safety</li> <li>• Proven value in antibiotic growth promoter free nutrition</li> </ul>
<b>Recommendations for use</b>	<p><b>Add Betafin to the standard feed formulation</b> Betafin can be added to the feed formulation for improved pig growth and feed conversion. This is particularly applicable where the potential for high lean growth is limited by low energy intake and/or increased maintenance energy costs.</p> <p><b>Reformulation</b> For reduced feed costs and maintained pig growth and feed conversion:</p> <ul style="list-style-type: none"> <li>• Energy - reduce the digestible energy (DE), metabolisable energy (ME) or net energy (NE) of the total feed by up to 5%</li> <li>• Methionine - replace the reduced amount of methionine with an equimolar amount of Betafin</li> <li>• Choline - replace all added choline with a bio-equivalent amount of Betafin</li> </ul>
<b>Inclusion rate</b>	<p><b>Add to the standard feed formulation</b> Piglets: 2kg per tonne (0.2%) of finished feed. Monitor feed intake, growth and digestive disturbance. Growing and finishing pigs: 1.25kg per tonne (0.125%) of finished feed. Monitor growth, feed efficiency and efficiency of lean deposition. Lactating sows: 2kg per tonne (0.2%) of finished feed. Monitor piglet weaning weight and subsequent litter size.</p> <p><b>Reformulation</b> Energy reduction: 1-1.25kg per tonne (0.1-0.125%) of finished feed. Energy reduction and methionine/choline reduction: 1-1.25kg per tonne (0.1-0.125%) of finished feed. Methionine and/or choline reduction: replace the reduced amount of methionine with an equimolar addition of Betafin S4. Replace all added choline with a bio-equivalent amount of Betafin S4.</p>
<b>Storage stability</b>	24 months when stored in original packaging. Betafin S4 is water attracting (hygroscopic) in nature and so must be stored in unopened bags and protected from humidity to maintain shelf life.
<b>Processing stability</b>	Heat stable up to 200°C (390°F).
<b>Packaging</b>	25kg multi-wall paper bags, polyethylene lined.
<b>Related services</b>	<ul style="list-style-type: none"> <li>• Betafin in-feed laboratory analysis - confirms that Betafin has been accurately included in the feed for maximum profit</li> <li>• Choline and methionine in-feed laboratory analysis - measures the level of choline and methionine in the feed. This helps to calculate the amount of choline and methionine that can be replaced by Betafin in pig diets</li> </ul>

To find your nearest local office or distributor visit [www.danisco.com/animalnutrition](http://www.danisco.com/animalnutrition)

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