

# Betafin S4 for Poultry - Quick Reference Guide



<b>Application</b>	Suitable for moderate-humidity conditions. 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 birds</li> <li>• Higher quality end product from increased breast meat</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 bird 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 bird growth and feed conversion: Broilers:  <ul style="list-style-type: none"> <li>• Methionine and choline - replace as recommended by Danisco's Betacheck™ service</li> </ul> Layers:  <ul style="list-style-type: none"> <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> Turkeys:  <ul style="list-style-type: none"> <li>• Energy - for turkeys over 5 weeks of age, reduce the metabolisable energy of the total feed by up to 3%</li> <li>• Methionine - replace the reduced amount of methionine with an equimolar addition of Betafin</li> <li>• Choline - replace all added choline with a bio-equivalent amount of Betafin</li> </ul> </p>
<b>Inclusion rate</b>	<p><b>Add to the standard feed formulation</b> Broilers and layers: 1-1.5kg per tonne (0.1-0.15%) of finished feed. Monitor growth, feed conversion, litter quality, breast yield and carcass yield. Turkeys: 1-2kg per tonne (0.1-0.2%) of finished feed. Monitor growth, feed conversion, litter quality, breast yield and carcass yield.</p> <p><b>Reformulation</b> Broilers: Methionine and choline reduction - as recommended by Danisco's Betacheck service. Layers: Methionine and 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. Turkeys: Methionine and 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. Energy reduction - appropriate for turkeys over 5 weeks of age. 1 kg per tonne (0.1%) of finished feed.</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.

**Related services**

- Betacheck - provides customised recommendations on Betafin use in broiler diets for reduced feed costs and increased breast yield
- Betafin in-feed laboratory analysis - confirms that Betafin has been accurately included in the feed for maximum profit
- 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 poultry diets

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