



**DEVENISH**  
**NUTRITION**

*The agri-technology company*

# AlphaStart

Turkey



**Optimum Performance From The Start**

**AlphaStart Turkey trials have shown:**

- Improved early intakes and crop fills
- Less feed wastage in brooding period
  - Improved uniformity
  - Higher growth rates



Research has shown that post hatch management of turkey poult has a critical impact on both early and life-time development of the gut and immune system. The day old poult has specific nutritional requirements that must be met in order to achieve optimum lifetime performance:

- Nutrient balance must be optimal
- Feed must be highly digestible
- Feed must be presentable and palatable

With this in mind, Devenish Nutrition have developed AlphaStart Turkey, a unique product that matches the requirements of the day old poult and delivers optimum performance from the start.

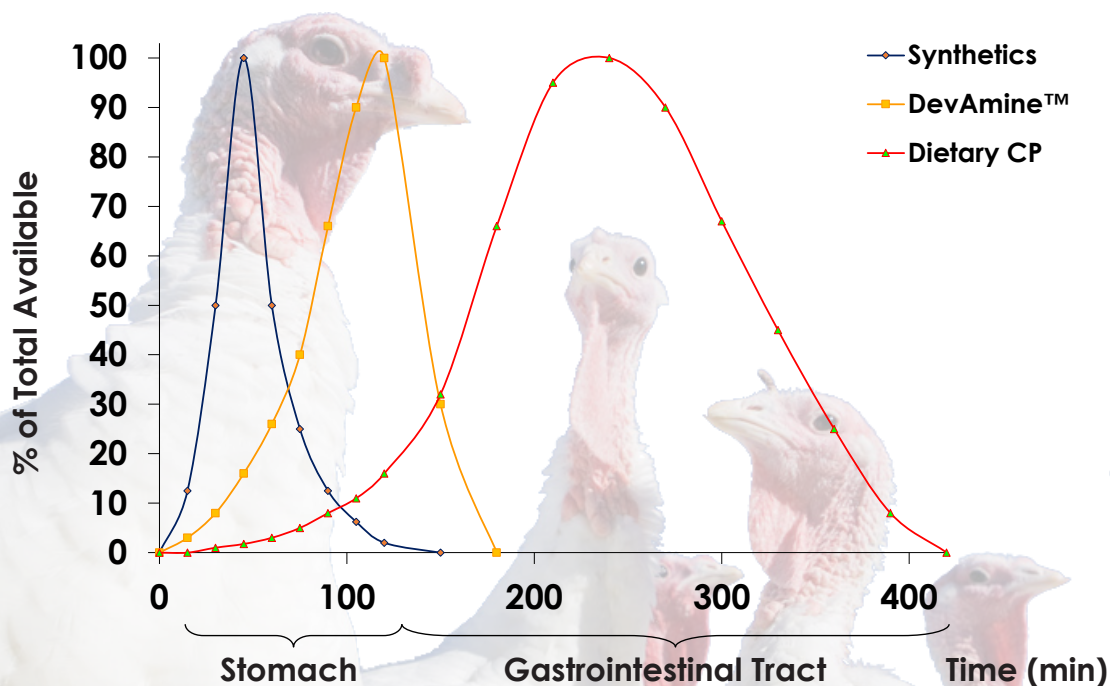
## What is AlphaStart Turkey?

AlphaStart Turkey is a high quality mini pellet prestarter for growing turkeys. Made up of a range of highly digestible ingredients, AlphaStart Turkey is based on our unique proprietary DevAmine™ technology. This supports a high Glycaemic Index effect and supplies optimum protein requirements to enable amino acid sparing and efficient protein utilisation. It also contains a specific mix of vitamins and trace elements designed for optimal early needs.

AlphaStart Turkey is supplemented with a specific blend of key ingredients and nutritional aids to support early gut maturation, improve early digestion and boost the immune function.

## DevAmine™ Technology

The DevAmine™ concept was developed by Devenish Nutrition and provides a slow release of synthetic amino acids so they act more like a highly digestible protein in monogastrics. Amino acids are bound to sugars and provide a slow and continuous release of amino acids and energy. This bridges the gap between the utilisation of synthetic amino acids and the breakdown and utilisation of amino acids from crude protein (shown in the diagram below).



## How is AlphaStart Turkey used?

AlphaStart Turkey is a short cut 2mm pellet that is fed for the first 14 days instead of commercial starter crumb. It is Salmonella free and is available as GM and NGM. It is available in 25kg bags, Mini Bulk or Bulk.

# Devenish Performance House Trial, 2013

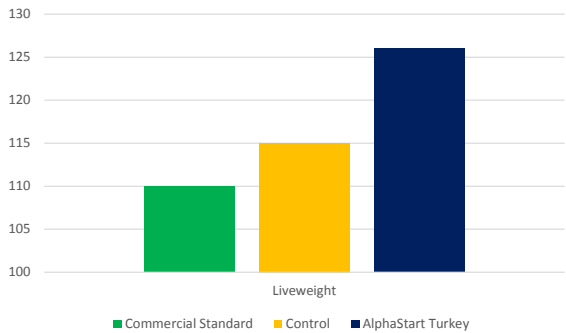
A trial was undertaken to determine the influence of early nutrition on lifelong performance. 3,600 BUT T10 female poultts were used. There were 100 birds/pen stocked at commercial density with 6 replicates per treatment.

## Treatments

T1	T2
Control Commercial Programme	AlphaStart Turkey Prestarter fed for 14 days replacing commercial crumb, followed by commercial programme.

## Improved Liveweight Gain

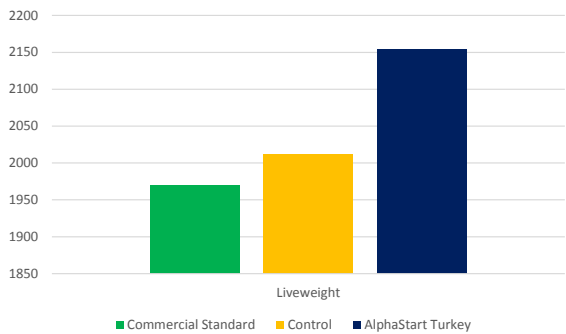
5d Liveweight (g)



The trials showed that feeding AlphaStart Turkey for 14 days:

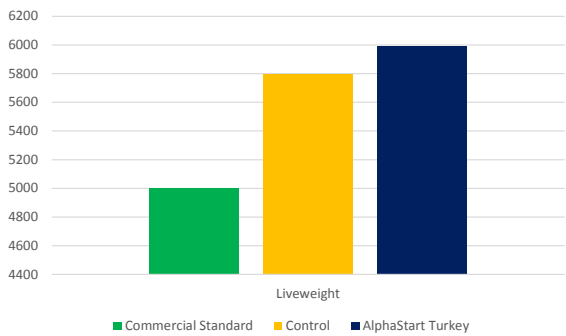
- Gave an extra 11g liveweight over the control ( $P < 0.001$ ) and a 14.5% improvement on the commercial standards after 5 days .

42d Liveweight (g)



- Gave an extra 142g liveweight over the control ( $P < 0.001$ ) and a 9.3% improvement on the commercial standards after 42 days.

71d Liveweight (g)



- Gave an extra 195g liveweight over the control ( $P < 0.01$ ) and a 19.9% improvement on the commercial standards after 71 days.

- No significant difference on FCR.

## Conclusions

Birds fed with AlphaStart Turkey for the first 14 days of life:

- Improved early intakes and crop fills
- Less feed wastage in brooding period
- Improved uniformity
- Higher growth rates





For further details on

# AlphaStart

Turkey



please contact,

Phone: +44 (0)2890 755566 or +44 (0)1143 216961

Fax: +44 (0)2890 230817

Email: [info@devenishnutrition.com](mailto:info@devenishnutrition.com) Website: [www.devenishnutrition.com](http://www.devenishnutrition.com)



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