



Oxicap  
antioxidants

The effective protection to feed  
and raw materials

One product for  
each need



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FAMI Qs

Pigments	Capsantal
Acidulants	Digestocap
Enzymes	Lacticap
Mold Inhibitors	Capsozyme
Antioxidants	Fungicap
Antimicrobial	Capsoquin
Flavours	Oxicap
Specific supplements	Salcap
	Flavoral
	Sugarcap
	Capsomin
	Capsogenin
	Salmosan

Oxicap  
antioxidants

The range of broad spectrum  
antioxidants adapted to each need



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Natural supplements  
for high-quality feed

# Oxicap

antioxidants



The main purpose using antioxidants in feed and raw materials is to retard the oxidation process and prevent rancidity of fats and oils. These processes reduce the final quality of the feed, as well as its shelf life. To address these issues, the range of **OXICAP** antioxidants developed by **ITPSA** provides effective protection to these raw material and compound feed. **OXICAP** increases resistance to oxidation in these products and avoids its negative consequences on feed nutritional value and other harmful effects.



## Why should you add **OXICAP** to the diet?

- It offers effective and long-lasting protection for raw materials and compound feed against the process of oxidation, acting directly on the formation of free radicals.
- It avoids the palatability deterioration of raw materials and compound feed, as well as the nutritional losses and the negative effects on the productive parameters.
- Its formulation allows maximum dispersion of the product in the treated material.
- It significantly increases the shelf life of raw materials and compound feed.

## TRIALS CARRIED OUT WITH OXICAP

TABLE 1

Efficacy of **OXICAP** and **OXICAP LIQUID** in broiler fat protection against oxidation

Treatments	Dosage	Induction period (h)	Protection Factor <sup>1</sup>
Control without antioxidant	...	6.25	1.0
+ OXICAP	175 ppm	10.01	1.6
+ OXICAP LIQUID	175 ppm	10.02	1.6
+ BHT	175 ppm	9.85	1.6
+ Commercial product <sup>2</sup>	175 ppm	8.50	1.4

<sup>1</sup> Induction period of the sample with antioxidant / Induction period of control sample  
<sup>2</sup> Product made of ethoxyquin and BHA

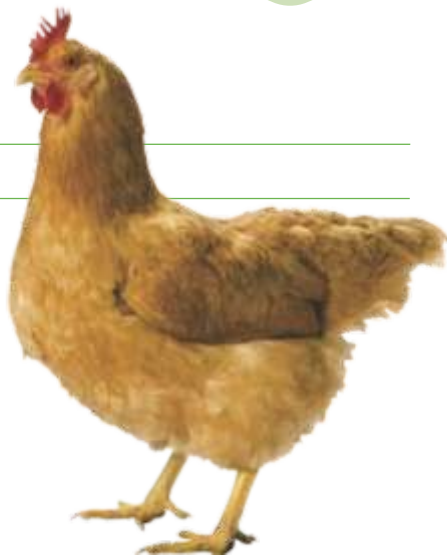
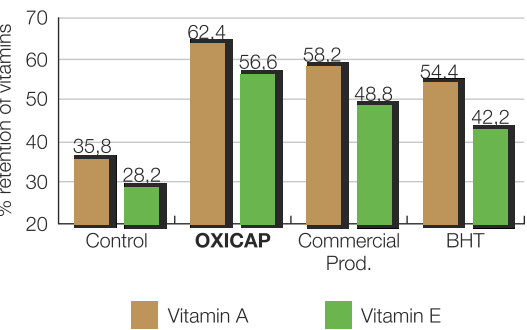


FIGURE 1

Effect of **OXICAP** protecting vitamins against oxidation in supplements for feed



(Dosage of antioxidants=125 ppm. Commercial product made of ethoxyquin and BHA. Samples stored for 2 months in open containers, T° = 30°C)

GRAPH 1

Effect of adding **OXICAP** on the oxidation process (induction period) of feedstuff

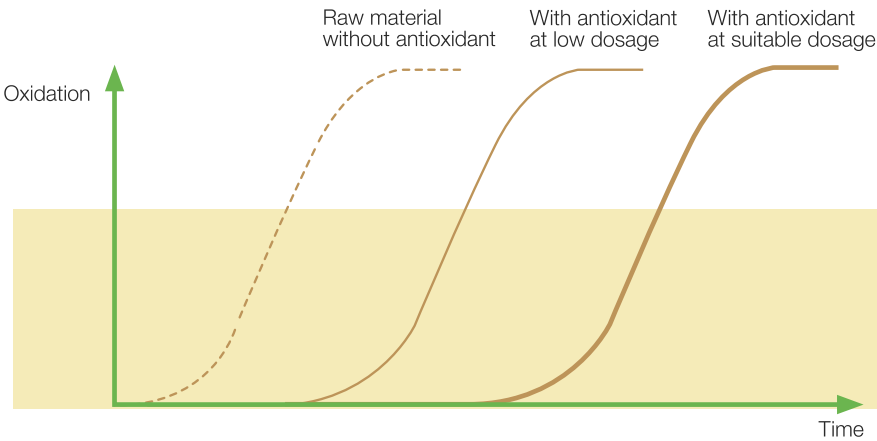
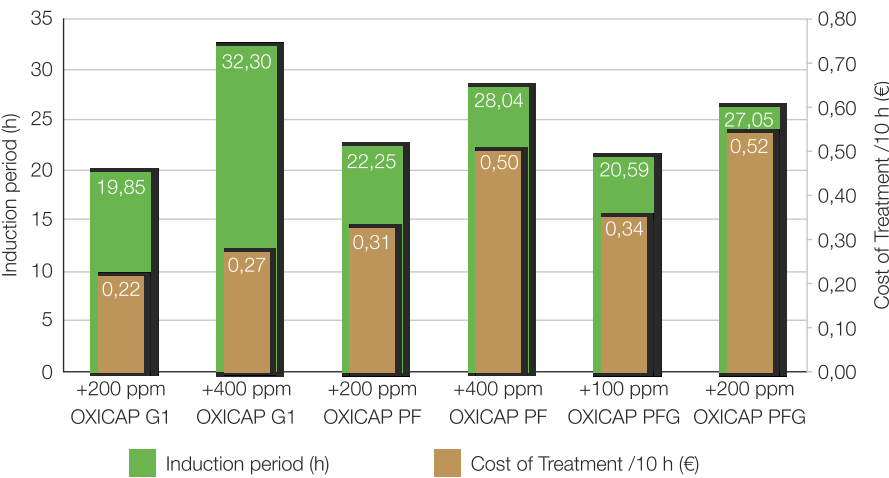


FIGURE 2

Study of the effectiveness-cost relationship of different antioxidants to protect animal fat



### OXICAP RANGE OF PRODUCTS

Solid form	Liquid form
Synergistic mixtures of antioxidants (Ethoxyquin, BHT, BHA, Propyl Gallate, Citric Acid, Citric Acid) in a mineral carrier	Combinations of active compounds with high antioxidant efficacy (Ethoxyquin, BHT and BHA) with synergistic substances (Citric and Citric Acid) using a vegetable oil carrier with solvent properties
Homogeneous and stable dispersion in the raw material to be treated (feedstuffs, premixes and animal by-products)	Adequate diffusion in the raw material to be treated especially on oils
Presentations adapted to the needs of each raw material to be treated and in continuous updating and expansion of the product range:	
OXICAP OXICAP E2 OXICAP 5-15 PREMIX OXICAP PF PREMIX OXICAP MS ...	OXICAP LIQUID OXICAP PF OXICAP 5-15 OXICAP PFG OXICAP MS LIQUID ...
Recommended dosage: – Feedstuffs: 75 - 100 g/Mt – Premixes: 250 - 500 g/Mt – Fats and products from animal origin: 400 - 1000 g/Mt Stability of 24 months in its original package (aluminum bag)	Recommended dosage: – Feedstuffs: 125 - 350 g/Mt – Animal by-products: 200 - 500 g/Mt – Fats and oils: 200 - 750 g/Mt Stability of 24 months in its original package (polyethylene drums and IBC containers)