

The logo for MPA (Veterinary Medicines and Additives) features the letters 'M', 'P', and 'A' in a bold, sans-serif font. The 'M' is red, the 'P' is black, and the 'A' is green. To the right of the 'A' are three vertical bars of increasing height, colored red, black, and green respectively.

Veterinary  
Medicines and  
Additives

The logo for ACTIVEFEED is the word 'ACTIVEFEED' in a white, bold, sans-serif font, set against a yellow rectangular background with a dark red triangle in the top right corner.A close-up photograph of several eggs in a brown cardboard carton. The eggs are arranged in a grid, with some being brown and others white. The carton's interior is lined with a textured, light-colored paper.

# OvoActive

## Egg quality enhancer

- Reduces the incidence of fragile shell and cracked.
- Improves the consistency of albumen.
- Avoids egg quality losses associated with heat stress.
- Prevents the loss of egg quality due to age of birds.
- Improves fertility in breeder and egg hatchability.

[www.mpaveterinary.com](http://www.mpaveterinary.com)

**OvoActive** is composed of essential elements and it improves egg quality in commercial laying birds. Its use in laying diets increases the hardness of the shell and the internal quality of the albumen.

**OvoActive**, with chelated minerals (manganese and zinc), vitamin C, vitamin D<sub>3</sub> and sodium bicarbonate, is indicated for laying birds. Particularly suitable for hot weather and old birds.

### Advantages of use:

- Reduces the incidence of fragile, cracked or uneven shell.
- Improves the consistency of albumen.
- Avoids the egg quality losses associated with heat stress.
- Prevents the loss of egg quality due to the age of birds.
- Improves breeder fertility and egg hatchability.

### Mode of action:

**OvoActive** increases the level of carbonic anhydrase (polymerase) and enhances the formation of the matrix. While calcium is deposited in the shell and enabling the formation of calcium carbonate.

**OvoActive** increases plasmatic sodium and counteracts the rise of phosphate ions produced in later stages of egg calcification.

**OvoActive** reduces the loss of carbon dioxide in blood during periods of warm weather (hyperventilation and respiratory alkalosis). Vitamin D<sub>3</sub> stimulates the absorption of calcium in the intestine increasing the concentration in plasma.

### Animal species and category:

Laying birds and breeders.

Dosage OvoActive (OA)	
Mixed with feed	2-3 kg OA/ t of feed

### Storage and shelf life:

Store in a cool and dry place. Away from direct sunlight. Stable for, at least, 24 months after production date.

**Packaging:** 25 kg and 1000 kg.

### Related references:

- **Bouvarel et al. (2011).** Hen nutrition for sustained egg quality. **Improving the safety and quality of eggs and egg products, Volume 1, Egg Chemistry, Production and Consumption. Chapter 12.** <https://doi.org/10.1533/9780857093912.3.261>
- **Yilmaz Dilkmen et al. (2015).** Effects of supplementary mineral amino acid chelate (ZnAA - MnAA) on the laying performance, egg quality and some blood parameters of late laying period layer hens. **Kafkas Univ Vet Fak Derg, 21 (2): 155-162.** <https://doi.org/10.9775/kvfd.2014.11889>