

PROBENA

PRODUCTOS EN BENEFICIO DE LA NATURALEZA

The inclusion of Biocitro® in feed and drinking system allows the animals to take advantage of the benefits of **VITAMIN C** and **CITRUS BIOFLAVONOIDS**

Biocitro®

IN POULTRY PRODUCTION

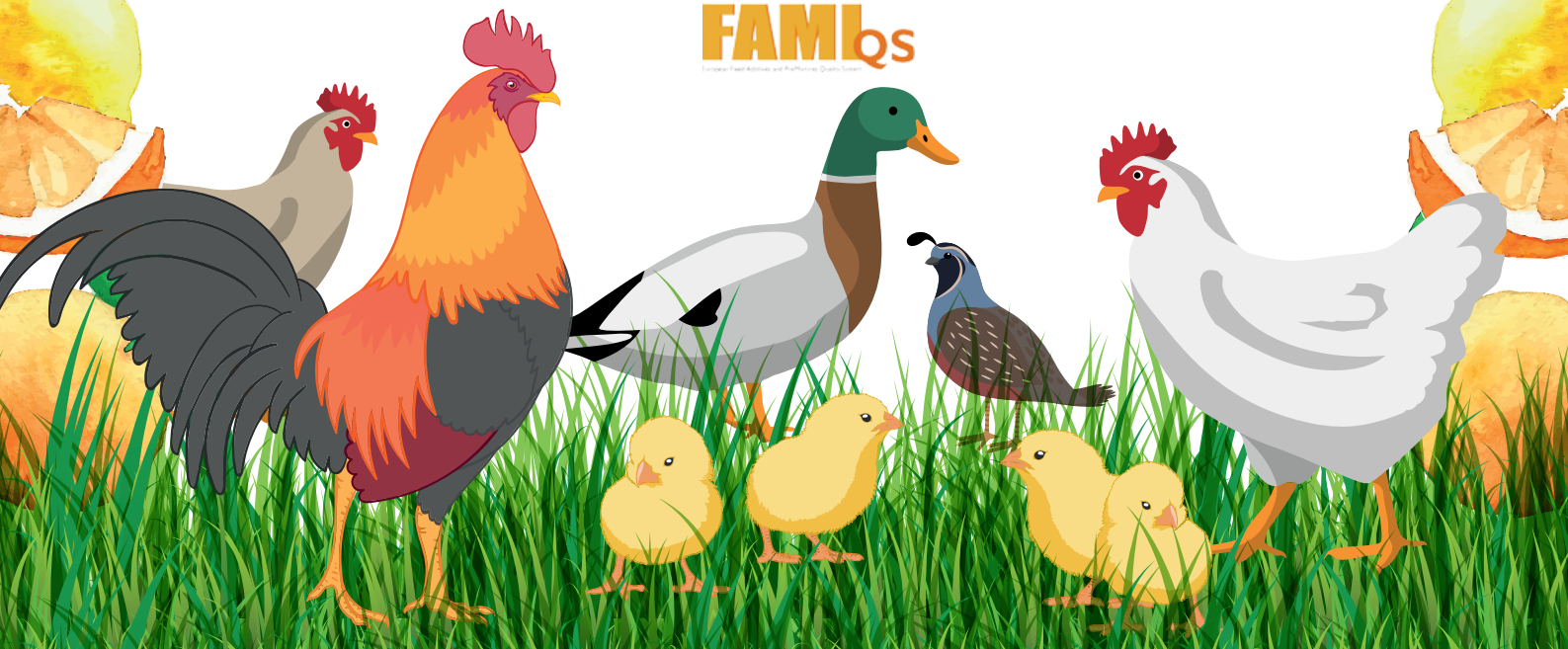


Can be used in **ecological production** according to the Regulation (CE) 889/2008



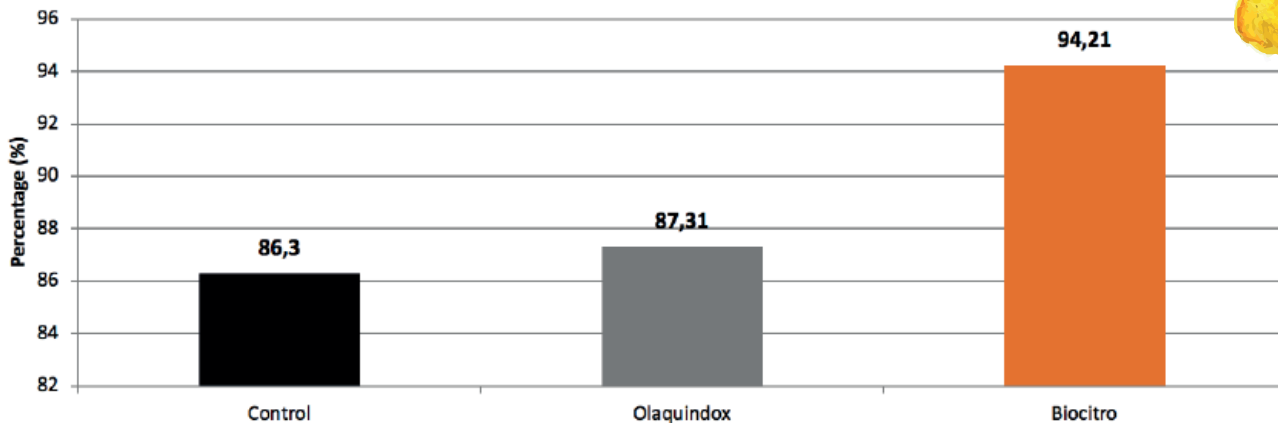
FAMIqs

European Family Animals and Poultry Quality System



LAYING HENS

LAYING PERCENTAGE

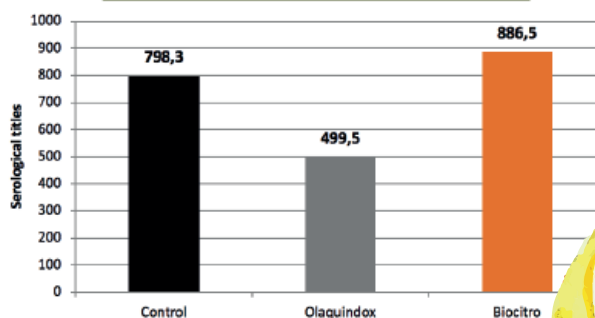


"Biocitro® poultry* effect in Layers as productivity and immunity enhancer"
 Dra. Nilce Mª Soares G. Queiroz. Instit. Biológico de Bastos (Sao Paulo- Brasil)

- Biocitro increases egg production, improving egg quality through the weight, hatchability and shell hardness.

- Increases nutritional efficiency, optimizing reproductive rates.
- Improves the conversion rate.
- Reduces stress and its consequences.
- Reduces mortality and digestive pathology process.
- Biocitro has a synergistic effect with acidifiers and other plant extracts.

HUMORAL RESPONSE TO NEWCASTLE VACCINATION

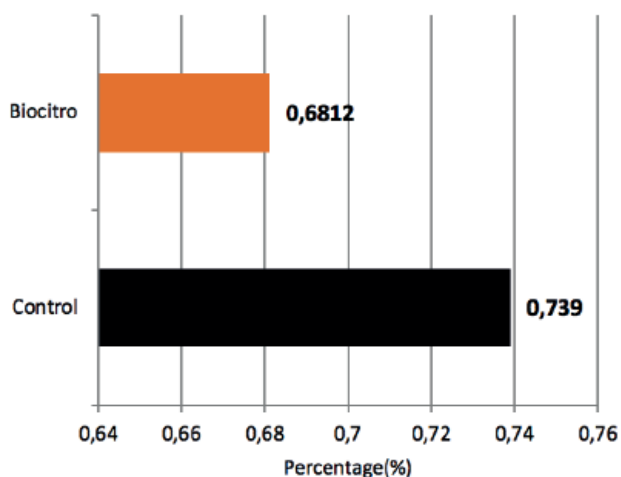


"Biocitro® poultry* effect in Layers as productivity and immunity enhancer"
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- Protects the immune system, promoting the natural response of animals.

- Increases the effectiveness of vaccination programs.
- Improves general health status.

MORTALITY

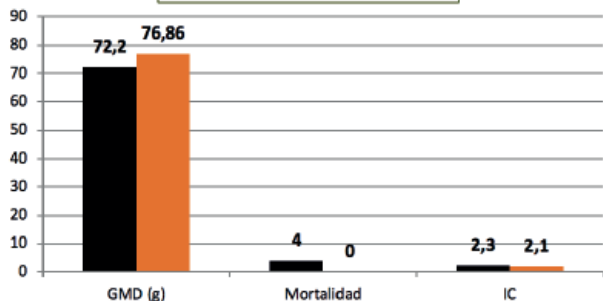


"Biocitro effect on laying hens productivity"
 Metall und Farben (Austria)



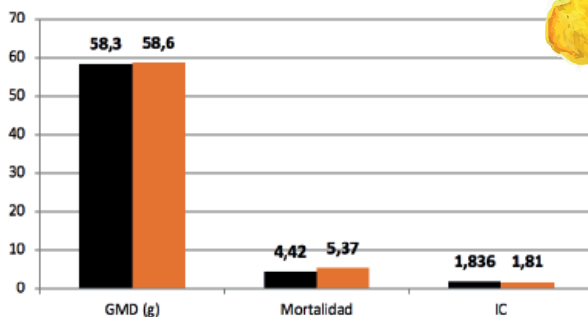
BROILERS

BROILER: PRODUCTIVE EFFICACY



"Biocitro effect on broilers"
I.R.T.A. Reus, Tarragona / A.N.A. Zaragoza

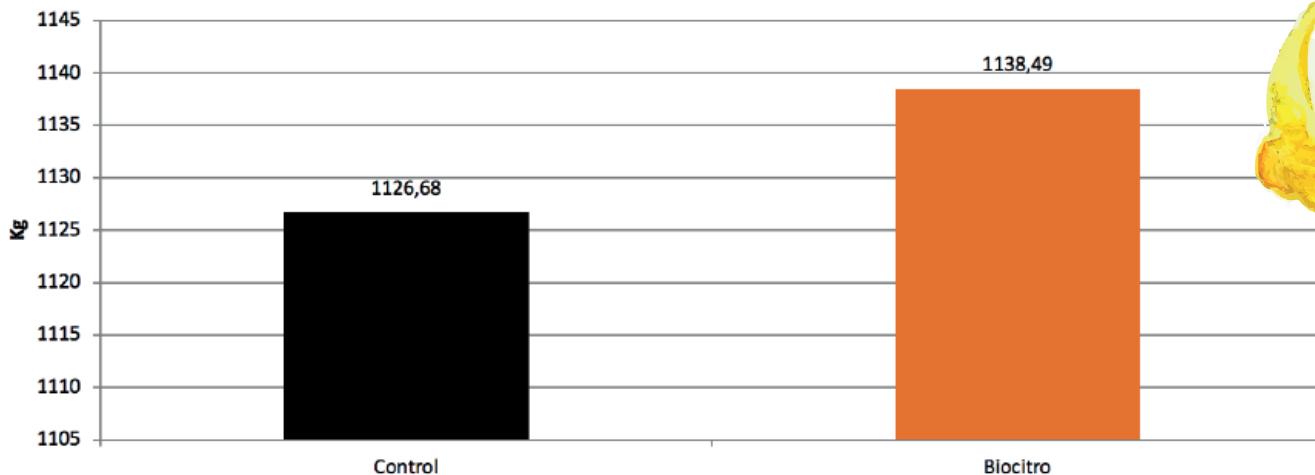
BROILER: PRODUCTIVE EFFICACY



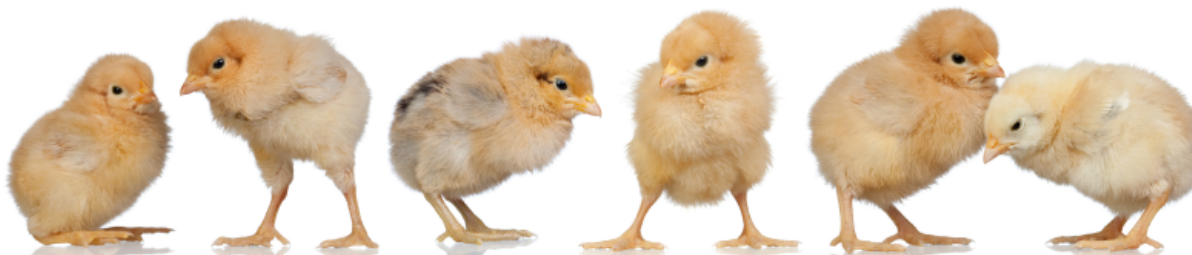
"Study of Biocitro as optimizer of health, productivity and meat quality in broilers"
Charoen Pokphand (CP) Enterprise Co., Ltd., Animal Health & Technical Service Office - Bangkok Agro-Industrial, Products Public Co., Ltd., The Siamese Intercorp Ltd., Quinabra - Quimica Natural Brasileira

- Reduces stress and its consequences.
- **Many efficacy tests support its productive effectiveness in broiler.**
- Helps to control the moisture litters.
- Helps to control Salmonella, Escherichia coli and Clostridia process.
- Reduces mortality and digestive pathology process.
- Biocitro has a synergistic effect with acidifiers and other plant extracts.
- **Improves meat quality; reduces oxidation and increases shelf-life.**

BROILER: MEAT PRODUCTION



"Biocitro effect on broilers"
I.R.T.A. Reus, Tarragona / A.N.A. Zaragoza



Biocitro® is being used in broilers, hens, turkeys, partridge, quail, duck, ostrich...**being part of an strategy in animal production without antibiotics.**





POULTRY FEEDING PROGRAM

FEED USES (g/tm)	Biocitro powder	Biocitro 20	Biocitro Poultry
Broiler: first phase, 0 to 21 days.	100	500	400-500
Broiler: second phase, until slaughter.	80-100	400-500	400
Laying and breeder hens, In general: Salmonella and E.coli control. General improvement in health and production. Continuously.			500
Laying and breeder hens, In general: Growing / first phase / start of lay / periods of stress. During 15-21 days each phase.			600
Partridge, Quail: continuously.	150-200	750-1.000	
Turkey, Duck: continuously.	100-125	500-600	
Ostrich: continuously.		600-750	500

	DRINKING SYSTEM USES (ml/l)	Biocitro L-15
Laying and breeders	First week, in the drinking water, daily.	0,7-1
	From 2th phase until 17-18 weeks, continuously.	0,5
	From the start to the end of lay - 10 day period each month.	0,7
Broiler, turkey, duck, partridge, quail, ostrich, etc.	Chicks, 0 - 7 days, daily.	1-1,2
	From 7 days of age to slaughter, continuously.	0,4-0,6
	From 7 days of age to slaughter, 1 week period each month.	0,8-1
Critical stages	Stress period e.g. heat, cold, transport, infection (Salmonellosis, Colibacillosis, Clostridiosis, etc.), mycotoxins; daily during the period of stress.	1-1,5
Other uses	Protection against Aspergillus and other respiratory diseases by stimulation of immune system. Fogging < 5 microns and temperature > 15°C with the solution, 2 times at day, the first week of life. Also during hatching.	7-8

Note: when using live vaccines either in the drinking water or by fogging it is recommended that Biocitro is withdrawn two days before vaccination and re-introduced 24 hours after vaccination. Biocitro could help to reduce undesirable post-vaccination effects.

Presentations:

- **Biocitro® Powder:** concentrated citrus extract to use as ingredient in the Feed of all animal species. 20 Kg bags.
- **Biocitro® 20:** 20% diluted Biocitro® powder on a carrier, to use in feed of all animal species. 20 kg Bags.
- **Biocitro® Poultry:** Biocitro® powder with optimal mixture of organic acids (Lactic, Citric and Fumaric). 20 kg Bags.
- **Biocitro® L-15:** Biocitro® Liquid to use in the drinking systems of all animal species. 1, 5 and 25 Liters plastic containers.

Please contact us for advice on how to use Biocitro® to achieve maximum results.

