

How Flaveco differs from ionophore products like monensin.

Activity by antibiotic ionophores occurs in the rumen, primarily reducing the populations of gram positive bacteria and protozoa, resulting in improved energy metabolism with some diets.

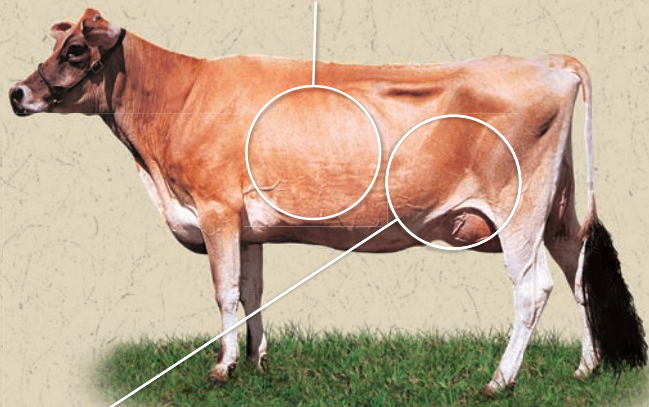
Flaveco (flavophospholipol) is a phosphorus-containing antibiotic developed exclusively for nutritional application. While Flaveco also inhibits gram positive bacteria, it exhibits greater selectivity than the ionophores. It promotes cellulose-digesting organisms, but doesn't inhibit protozoa or beneficial gram positive bacteria such as *Lactobacilli* and *Bifidobacteria*.

One major benefit this provides (but not the only one) is the ability of cattle to more efficiently utilise the fibre component in feeds and pasture. It also means that multi-strain probiotics like ProN8sure can be safely and effectively used with Flaveco.

A significant advantage lies in Flaveco's molecular size which inhibits absorption from the gastrointestinal tract, eliminating the need for withholding periods for milk and meat. Flaveco's beneficial effects are felt right through the digestive system, unlike the ionophores.

Simply put, using ionophores can be viewed as a medicinal approach to production enhancement. In contrast, using Flaveco can be viewed as a more natural, nutritional approach to greater productivity.

In altering the microbial balance in the rumen to produce more VFA's (Volatile Fatty Acids) Flaveco increases energy for animal growth and the growth of beneficial microbial populations. This improves protein synthesis and reduces ammonia levels in the rumen and blood. Flaveco also lifts the numbers of fibre digesting microbes and protozoa to extract maximum energy from forage and encourages greater forage uptake.



Sharnel Buttercup S25

Unlike monensin based feed additives, Flaveco exerts a positive influence on intestinal microflora and the absorption of amino acids and other nutrients, right through the digestive tract. Increasing nutrient availability leads to improved growth and performance.

International Animal Health Products is a single source manufacturer for all your cattle feed additive requirements and can offer these additional products:

MONECO® 100
(monensin sodium)

PRO(N8)URE® IFS
(heat stable dual strain probiotic, prebiotic and multi-strain enzyme)

SALECO® 120
(salinomycin)

As well as feed additives International Animal Health Products also provides a range of high quality products to meet other needs of beef and dairy cattle.

These include high performance nutrition supplements, health care, probiotic, grooming, first aid and worming products.

**Call the Flaveco Hotline:
1800 801 201**

References:

1. Hamman & Heeschen 1983. 2. Bahreke et al 1984. 3. Hamman 1983 4. Kraszewski et al 1991. 5. Behrens et al 1993. 6. Ruffo & Valerani 1977. 7. FDA 1998. 8. FDA 1993. 9. FDA 1994. 10. Bauer & Dosi 1969. 11. Lebek 1972. 12. Sokol et al 1973. 13. George & Fagerberg 1984. 14. Van den Bogaard 2002. 15. Blezinger 2001. 16. Brown & Thompson 1996. 17. IAHP 2002. 18. Balbuena et al 1996. 19. de Schrijver et al 1991.

©MONECO, PRO(N8)URE, PRONSURE, SALECO and the Australia/World Symbol are registered trademarks of International Animal Health Products Pty Ltd
© Copyright 2004-2020. All Rights Reserved



International
Animal Health Products
THE AUSTRALASIAN COMPANY

INTERNATIONAL ANIMAL HEALTH PRODUCTS PTY LTD

ABN: 36 003 185 699

18 Healey Circuit, HUNTINGWOOD.

N.S.W. 2148 AUSTRALIA

TELEPHONE (02) 9672 7944

FACSIMILE: (02) 9672 7988

Email: info@iahp.com.au

www.iahp.com.au

Australian beef and dairy producers are now discovering what the rest of the world already knows

FLAVECO™

sets a new benchmark for growth, safety and productivity.





The benefits of introducing Flaveco to your beef or dairy herd.

- Flaveco is a proven performance product, approved for use with all calves and cattle.
- Flaveco provides an increased rate of weight gain (ADG) and improved feed conversion efficiency (FCR)
- Flaveco improves digestion of high fibre diets.
- With dairy cattle, increased milk yields, higher protein content and increased butter fat levels can all be anticipated^(1,2,3,4,5) along with lower somatic cell counts⁽⁶⁾ and higher cow fertility⁽⁷⁾.

Flaveco is a cost effective tool to improve nutrient supply and profitability by positively influencing rumen fermentation patterns in ways the other performance products can't.

Some other benefits Flaveco provides are:

Significant safety profile:

The active in Flaveco is Flavophospholipol (also known as bambarmycin), which has one of the widest safety margins of any performance product. Cattle have been tested at up to 6 times the highest approved use level for periods of 6 months with no observable adverse effects⁽⁸⁾.

Flaveco is not absorbed from the digestive system. Even when fed at 8 times the highest approved dose (for 66 days) no residues were found in tissue⁽⁹⁾.

Approved for use in cattle, pigs and poultry, Flaveco remains safe even if feed containing Flaveco is accidentally consumed by other species.

Environmentally safe, Flaveco is degraded in soil and water by natural organisms and is not absorbed by plants grown in soil containing the manure of Flaveco fed animals⁽¹⁰⁾.

Flaveco is safe for both farm workers and consumers. While Flaveco has been tested safely at higher levels, recommended dose rates should not be exceeded.

Nil withholding period:

Because Flaveco has no record of residues in either milk or meat, Flaveco may be fed to stock right up until time of slaughter and dosing can be beneficially maintained throughout lactation.

Compatibility with other additives:

Flaveco exhibits no cross-resistance to therapeutic antibiotics like penicillin and tetracyclines and is compatible with feedstuffs, vitamins, minerals, coccidiostats, antibiotics, sulfonamides or probiotics such as ProN8ure[®].

High stability:

Flaveco is extremely stable in premix formulae, in complete feeds and even after the rigours of pelleting. Trials indicate that Flaveco remains stable in feeds for a period of more than two years.

Palatability:

Incorporating Flaveco into premixes, and complete feeds has no effect on palatability, animals do not 'back off' on feed uptake when it is introduced and feed uptake can be enhanced due to better digestion.

Positive influence on antibiotic resistance:

A unique characteristic of Flaveco is that it has been shown to restore the antibiotic-sensitivity of some resistant strains of bacteria such as *Salmonella*, *Shigella* and *E Coli*^(11, 12, 13) and to lower the shedding of antibiotic-resistant bacteria⁽¹⁴⁾.

Beneficial effect on reproduction when using Flaveco:

By improving protein metabolism, FLAVECO can directly influence reproductive activity. It lowers the nitrogen level in the blood, helping to reduce the level of blood urea nitrogen (BUN). Excess BUN reduces conception rates, since it creates conditions in which the embryo cannot survive.

The hormones such as oestrogen and progesterone are required for normal cycling activity and maintenance of pregnancy. FLAVECO improves metabolism of protein, fats and fatty acids, which are vital to the production of these hormones, helping to restore normal cycling after delivering and reducing the incidence of infections of the reproductive tract, such as occurs from retained placenta.

FLAVECO also helps in maintenance of fat metabolism, which results in greater follicle size in the ovaries and larger corpus luteum, the structures responsible for progesterone production. This hormone is necessary for normal implantation and nutrition of the newly-formed embryo.

In addition, replacement heifers given FLAVECO have increased daily weight gains, so weigh more at first oestrus, have a greater first service conception rate, and weigh more at calving.

A highly regarded Australian Company:

International Animal Health Products, Flaveco's supplier, is a well established wholly owned Australian Company with an enviable reputation for innovation, quality manufacture and the provision of a high level of customer service.

While enjoying the benefits Flaveco offers, it's good to know you are actively supporting the Australian industry.

Flaveco's outstanding performance is confirmed in numerous trials and studies from around the world.

Performance in dairy cattle⁽¹⁷⁾

Flaveco improved milk volume by 6.75%, improved milk fat by 10% and improved milk protein by 8.3%.



Photo courtesy of Holstein-Friesian Association of Australia

Nutritional Terms

ADG: Average Daily Gain (kg / day), the higher the better. DMI: Dry matter intake (kg / day). Interpret with FCR.

FCR: Feed Conversion Ratio: Kilogram of feed required to produce 1 kg of meat.

Lower values are better (animal is more economical).

Performance in grazing animals⁽⁸⁾

Flaveco improved ADG by 14.5% over control, increased ADG by 10% over Bovatec[®] and increased ADG by 3.3% over Rumensin[®].

Performance with hay diets⁽¹⁸⁾

Flaveco improved ADG by 24.5% over control and improved ADG by 14% over Rumensin[®].

Performance with maize gluten feed diets

Flaveco improved ADG by 5.6% over Rumensin / Tylan[®] and improved ADG by 5.5% over Rumensin[®].

Performance in supplementary licks with grazing animals

Flaveco improved ADG by up to 78% over control. Flaveco improved ADG by 10% over Posistac[®] and ADG by 2.2% over Bovatec[®].



Photo: Wayne Jenkins

Performance with high fibre feedlot diets⁽¹⁹⁾

Flaveco improved FCR by 9.1% and ADG by 15.2% over control. Flaveco improved FCR by 3.7% and ADG by 5.9% over Bovatec[®].

Flaveco fed cattle consumed 4.2% more feed per day than Rumensin[®] fed animals and had a higher ADG (Flaveco has a neutral affect on palatability).

