

New anti-inflammatory feed supplement

The technology is based on the use of raw larch wood material as an anti-inflammatory food/feed supplement for animals, wherein larch sawdust, a by-product of wood industry, is used. The positive anti-inflammatory effect was proved by various in-vitro and in-vivo trials with farm animals, done by different European Universities.

Background

Larch sawdust is a waste product in wood industry. At present it is mainly used as a fuel material. It has never been applied yet as an anti-inflammatory active feed supplement or therapeutic agent. The material is cheap and easily available in high amounts. Larch raw sawdust and preparations thereof could be used as anti-inflammatory agent for farm animals, such as ruminants, pigs and poultry, as well as for companion animals, such as horse, dogs and cats. Inflammatory diseases commonly encountered in the veterinary practice are for example mastitis, vaginitis, arthritis and osteoarthritis, cervicitis, metritis, endometritis, retained placenta, wound infection, urethritis, dermatitis, eczema, gastroenteritis, colitis and diarrhea. As a result of the good anti-inflammatory activity of larch sawdust preparations a beneficial effect with regard to growth promotion in animal husbandry may be expected.

Technology

Powdered larch saw dust is orally administered as a feed additive or as an ingredient of a pre-formulated feed mixture at a rate of 0.5-10 %. At these concentrations good anti-inflammatory activity has been observed and no adverse effects have occurred in feeding trials performed with pigs and ruminants.

Benefits

- oral application
- new mechanism of action
- use of a cheap by-product
- easily available

Potential Applications

- feed supplement for ruminants (proved by in-vivo trials)
- feed supplement for pigs (proved by in-vivo trials)
- feed supplement for other farm or domestic animals



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Development Status

application approved

Status of the Patent¹

Patent pending

Publication Number WO 2009/079680

Cooperation Options

License agreement, Ownership

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