



Zootechnical Sector

BIODEA WOOD DISTILLATE IN THE ANIMAL FEED INDUSTRY

The Georgofili Academy has studied the effects of the tannin supplementation extracted from chestnut on the **production and quality of the milk** and on the ruminal fermentation parameters in grazing sheep. The test was carried out by administering 3 different doses of chestnut tannin (0, 6 % and 12% on the SS of the concentrate) on 3 groups of 12 animals each. The inclusion of tannins led to the reduction of the content in somatic cells.

The addition of tannins led to the **reduction of NH₃ production in**

rumen and to a delay in the rumen biohydrogenation processes, that promoted the accumulation of linoleic and linolenic acid. As a result, this inclusion has also brought to a **contribution to the emission reductions**, from which climate change benefits.

Applications of Biodea Wood Distillate in the zootechnical industry are being studied. Produced in countercurrent of steam and extracted from a gasification reactor, our wood distillate originates from carefully selected biomass and it has a high polyphenols and tannins content.

BIODEA – RM GROUP ENERGY SOLUTIONS

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