

# IMMUGREEN

Immunostimulant  
Immunomodulatory



Green Farm Lab



*Nature provides us with plants, it's up  
to us to use them respecting it!*



## THE SOLUTION

**Completely vegetable feed that stimulates and modulates the immune system of dairy cattle.**

Just as we protect our animals from external hazards by implementing the cleaning and disinfection procedures, the environmental treatments and the adequate nutrition, in the same way we can protect them stimulating the immune system.

### What is it about?

IMMUGREEN stimulates, or modulates when necessary, the immune system so that the cow is more responsive to the health problems that may arise.

Thanks to plants we found an effective, non-invasive and economical plant-based solution not requiring withdrawal time.

The plants contained in our product are processed without the use of chemical products, they are combined with natural extracts, expertly dosed to optimize performance without waste.

We strongly believe that limiting the use of therapeutics is the right way forward; since a healthy organism is able to defend itself autonomously, in most of the cases.

Limiting the use of therapeutics is not only an ethical issue, but a cascading wellbeing derives from it also involving the human being, that is at the end of the supply chain.

We are not against the use of the therapeutics, but we believe that its use should be limited to when really necessary; **use them consciously to make them more effective when needed.**

### The Vision

How many times in the life of a cattle do we have to intervene with anti-inflammatories and then with antibiotics to stop a **problem that COULD BE AVOIDED?**

**We do not propose a solution to solve the problem, we have worked to prevent it.**

Our vision aims to consider the living being as set of systems that cooperates as a whole. This is why the synergy works: stimulating the body to make the system more reactive, modulating the response in such a way that only the adequate immune response is produced, avoiding an excessive one, thus limiting the cases of inflammation.

A cow with a well-modulated immune system will have, probably, less mastitis but she will be able to keep her homeostasis more efficiently in all stages of lactation leading to an increase in milk yield.

To confirm this, during the test phases, benefits were observed in the resolution of lameness problems and an improvement in reproductive performance.



## THE SOLUTION

When the whole cow body is in tune, you will have a healthy cow leading to herds that are easier to manage.

### How do we operate?

The standard operating model in Green Farm Lab requires that reliable and certified bodies examine the products that we design through experimental and field scientific studies. In this way an independent organization will give us answers without any conflict of interest, assessing the efficacy and the functional response to the application of our product in a scientific way.

### How to use?

IMMUGREEN can be administered per single animal or inserted into the mixer wagon and administered to the whole group.

1 administration cycle corresponds to 10 consecutive days within a month.

### How much should I use?

Only 160 g/head day (0.35274 lb) for 10 days a month.

IMMUGREEN is very light, weighing only 440 Kg ( 970,034 lb ) per 1 m<sup>3</sup> ( 264,17 us gal. so, don't let the weight fools you!!!! )

### When should I use it?

Before drying-off 1 cycle 10 days, then 1 cycle per month up to two/three month after calving.

The suggested treatment periods have been identified as the best way to obtain optimal effects.

Nature provides us with plants; it is up to us to use them in the best way without waste.

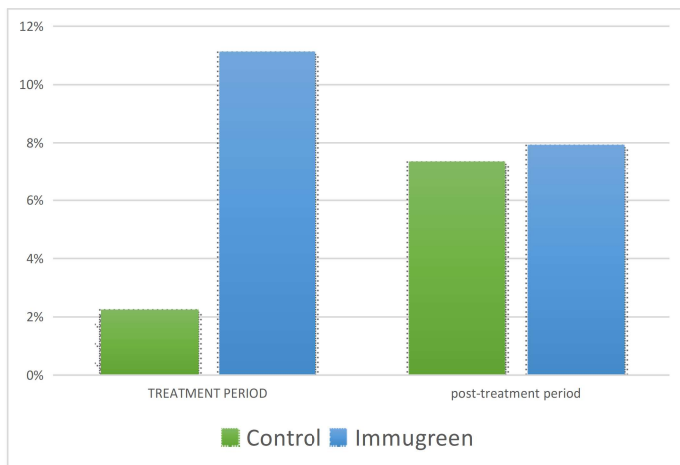


**A wise and appropriate use of Nature can provide us with great solutions.**



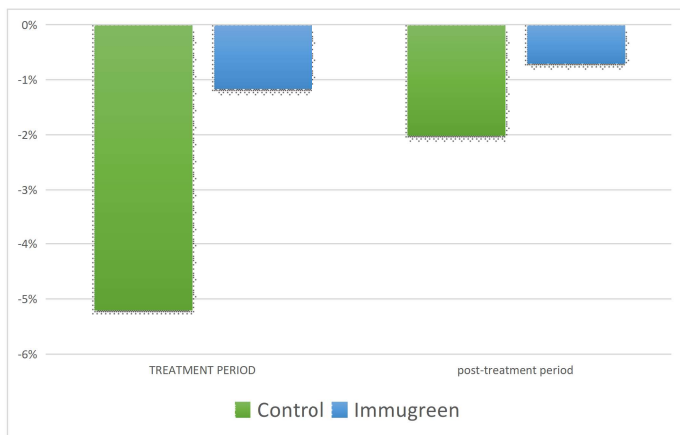
## THE SOLUTION

**IMMUGREEN** increases the proportion of PMNs in healthy cows during and after the treatment period leading to higher levels of cellular immunity.



Changes in milk PMNs proportion (%) in healthy cows during and after the treatment period.

**IMMUGREEN** decreases the proportion of PMNs in cows with subclinical mastitis during and after the treatment period leading to a reduction of the inflammatory process.



Changes in milk PMNs proportion (%) in cows with subclinical mastitis during and after the treatment period.



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