The contribution of *Artemisia annua*:
- boosts poultry immunity
- reduces mortality of chicks, hens and adult chickens from 16% to 5
- reduces the level of common pathogenic bacteria such as Enterobacteriaceae, Escherichia coli and staphylococcus in broilers
- acts as an antiparasitic and prevents coccidiosis and regulates (a major source of mortality in farmed chickens)
- reduces the risk of leucocytozoonosis and the consequences (mortality, weight loss...) linked to this pathology
- increases weight gain
- improves the quality of the animal flesh
- improves resistance to heat stress
- improves the intestinal microflora (proliferation of lactic acid bacteria in the intestine and cecum)
- promotes growth and antioxidant function of broilers.
- could become a substitute for antibiotics in broilers.

The 2022 study by Coroian M, et al. attests to the equivalent prophylactic efficacy on coccidiosis in broilers with a dose of 3.5g of dried *Artemisia annua* leaves per kilo of feed.

**Effects**

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Coroian, M.; Pop, L.M.; Popa, V.; Friss, Z.; Oprea, O.; Kalmár, Z.; Pintea, A.; Bors, an, S.-D.; Mircean, V.; Lobontiu, I.; et al. « Efficacy of Artemisia annua against Coccidiosis in Broiler Chickens: A Field Trial », *Microorganisms*, 10, 2277 (2022)

https://doi.org/10.3390/microorganisms10112277
**Pig farming**

- reduces oxidative stress  
- improves lactation performance  
- increases piglet weight at weaning  

<table>
<thead>
<tr>
<th>Effects</th>
<th>References</th>
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<tbody>
<tr>
<td>reduces oxidative stress</td>
<td>Liang Xiong &amp; al. Review Article Nutritional strategies to alleviate oxidative stress in sows Animal Nutrition Volume 9, June 2022, Pages 60-73</td>
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**Rabbit farming**

- Reduces the risk of coccidiosis and improves weight gain  
- Improves growth  

<table>
<thead>
<tr>
<th>Effects</th>
<th>References</th>
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<tbody>
<tr>
<td>improves growth</td>
<td>Hippolyte Mekuiko Watsop, &amp; al. Effect of Artemisia annua L. as Substitute to Sulfonamides (Sodium Sulfadimerzine) on Coccidiosis and Growth Performance in Rabbits, Open Journal of Animal Sciences &gt; Vol.12 No.2, April 2022</td>
</tr>
</tbody>
</table>
Sheep farming

Effects
- reduces intestinal parasitosis

References

Cattle farming

- decreases the incidence of Staphylococcus aureus, Streptococcus agalactia was 20%; Shigella flexneri, Escherichia coli, Listeria monocytogenes and Candida albicans in milk
- supports the metabolism of lipids in the mammary gland
- acts as an anti-inflammatory protects the udder from mastitis

Effects
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- supports the metabolism of lipids in the mammary gland
- acts as an anti-inflammatory protects the udder from mastitis

References
Fish farming

- promotes the intestinal microbiota of fish.
- improves the feed efficiency of the given food and the performance of the Nile tilapia.

Références
Michelly Pereira Soares et al, Influences of the alcoholic extract of Artemisia annua on gastrointestinal microbiota and performance of Nile tilapia, Aquaculture, Available online 18 June 2022, 738521 In Press, Journal Pre-proof