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CONTEMPORARY RELEVANCE OF AYURVEDA- ANIMAL SCIENCES

Prevention of Mastitis in cattle during dry period using an Ayurveda formulation - A pilot study

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Bovine mastitis is one of the important production diseases of dairy animals which affect the economy of the farmers. 50 - 60% of all new infections caused by environmental pathogens occur during the dry period (Bradley and Green, 2000). Over 50% of clinical coliform mastitis events in the first 100 days in milk originated during the dry period.

	EVP group	Antibiotic group	Control group	P value	EVP vs. Antibiotic
pH	5.69±0.80	6.18±0.77	5.43±0.72	<0.001**	<0.001**
SCC	1.48±0.74	1.60±0.61	2.08±1.06	<0.001**	0.628

- The pilot study indicated the positive impact of the Ayurvedic herbal intervention in the quality of milk produced.
- The use of the natural plant based formulation helped to contain the microbial infection of the udder during the crucial dry period.
- The data showed a comparatively better activity of the herbal formulation than the regular antibiotic dry cow therapy, in terms of restoring optimal pH and SCC of the milk during early lactation.