

## Scavon Vet Spray for the treatment of Demodectic Mange in Calf

B.R. Ravikumar, Bhagwat, V.G.<sup>1\*</sup>, and Mitra S. K.<sup>1</sup>

Veterinary Hospital,  
Saraswathipuram, Mahalaxmi Layout, Bangalore, India

The parasitic mite, *Demodex bovis*, causes demodectic mange in cattle. Calves probably become infected during the first few days of nursing from infected cows. Poor nutrition, stress and the presence of other infections may contribute to the susceptibility of cattle to demodex outbreaks. This susceptibility may also be genetically determined.

This study was conducted to assess the efficacy of SCAVON VET (The Himalaya Drug Company, Bangalore, India,) spray, a polyherbal formulation in the treatment of demodectic mange in calf.

### Case history and clinical observations

Three months old Holstein Freshen calf was presented with a history of hair fall and redened skin color.

Clinical examination revealed scaly, wrinkled, thickened skin, hair fall and a change in skin colour from its normal color to red, and bruises on the face and hind limbs. The case was tentatively diagnosed as demodectic mange and was confirmed by finding the mite during microscopic examination of deep skin scrapings of the affected area.

### Treatment and result

The infected area was cleaned with potassium permanganate solution (Venugopalan, 1995) and wiped dry with sterile cotton, SCAVON VET spray was applied twice a day liberally over the surface of the infected area for 15 days. The calf showed recovery in 15 days without any complications. Observations

indicated that SCAVON VET spray minimized the demodectic mange in calf by about 60% by 8 days, 80% by 10 days and 100% by 15 days. Recurrence was not seen in a follow-up period of 1 week.

The herbal ingredients in SCAVON VET spray namely *Eucalyptus globules* (Tailapatra), *Azadirachta indica* (Nimba), *Andropogon citratus* (Bhutrana), *Curcuma longa* (Haridra) and *Cedrus deodara* (Devadaru) are known to be antibacterial, antimycotic (Grover and Rao, 1977) and are also known to possess insecticidal, antiseptic and wound healing properties (Satyavati *et al.*, 1976).

### Summary

SCAVON VET spray, a polyherbal preparation from The Himalaya Drug Company, Bangalore, India, was found to be very effective in treating demodectic mange in calf. The product was found to be very convenient for use in field conditions, did not stain the affected area and also, did not cause any adverse reaction locally or systemically.

### References

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2. Satyavati, G.V., Raina, M.K. and Sharma, M. (1976): Medicinal Plants of India. Indian Council of Medical Research, New Delhi.
3. Venugopalan, A. (1995): Essentials of Veterinary Surgery, Oxford IBH Publishing Co. Pvt. Ltd., New Delhi.

\* Corresponding author 1. R&D Center, The Himalaya Drug Company, Bangalore, India

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