

## Success Story: A novel formulation for the treatment of Dermal Mycoses in Camel

Mycotic skin infections are a constant serious problem in camels from various parts of the world. Round the year about 20% of the camel population suffer with dermal mycosis. More than 32 species of various fungi including those having zoonotic significance have been found to cause dermal mycosis in camel.


ICAR-NRCC, Bikaner has developed a novel herbal formulation for treatment of dermal mycosis for which Patent has been granted by Indian Patent Office (No. 347971) on 28.09.2020.

**A formulation for the Treatment of Dermal Mycoses in Camel**



(Patent Grant No. 347971)

Field of Invention: Pharmaceuticals

Inventors  
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पेटेंट प्रमाणपत्र  
PATENT CERTIFICATE  
(Rule 24 of The Patents Rules)

पेटेंट सं. / Patent No. : 347971  
आवेदन सं. / Application No. : 201611041317  
प्रकाश करने की तिथि / Date of Filing : 02/12/2016  
पेटेंटी / Patentee : Indian Council of Agricultural Research, (ICAR)

इसमें घोषित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में पेशकश किया गया A FORMULATION FOR THE TREATMENT OF DERMAL MYCOSES IN CAMEL नामक आविष्कार के लिए, पेटेंट अर्जित करने, 16-12-2016 के दिनांक से अर्जित करने का दिनांक 2nd day of December 2016 से शेष रहने तक अर्जित करने का है।  
It is hereby certified that a patent has been granted to the patentee for an invention entitled A FORMULATION FOR THE TREATMENT OF DERMAL MYCOSES IN CAMEL as disclosed in the above mentioned application for the term of 20 years from the 2nd day of December 2016 in accordance with the provisions of the Patents Act, 1970.

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This invention provides the development of low cost, eco-friendly and user friendly plant based topical antifungal composition. This composition can be prepared from commonly available plants with broad spectrum of activity against all types of fungal infections of the skin with easy method of preparation and easy method of application. The antifungal composition is also found effective in field cases for the management of dermal mycoses of the camels with minimal applications leading to faster recovery, which in turn increases the production potential of the animals besides relieving animal sufferings. This composition is also found effective in healing of minor wounds, erythema, oedema, inflammatory changes observed on the skin of infected camels and also found beneficial in restoring the normal skin texture and colour.



**Fig 1:** Alopecia and patchy, dry, scaly lesions at abdominal region in a dermal mycosis affected camel before treatment.



**Fig 2:** Same camel after treatment with herbal formulation showing growth of hairs at affected parts and complete healing of lesions.