# ETHNOVETERINARY FORMULATIONS FOR IMPORTANT AILMENTS IN BOVINES

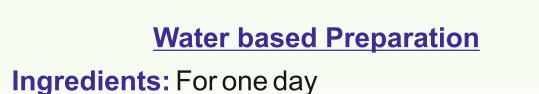
The common plants, spices and other materials mentioned here are generally regarded as safe and these are only suggestive. Nearby veterinarian may be consulted for proper disease diagnosis and management. Prepared with technical inputs from Prof. N. Punniamurthy (profpunniya@gmail.com), For further information contact: anand@nddb.coop

INSTITUTE OF TRANSDISCIPLINARY HEALTH SCIENCES & TECHNOLOGY

Mastitis (all types)



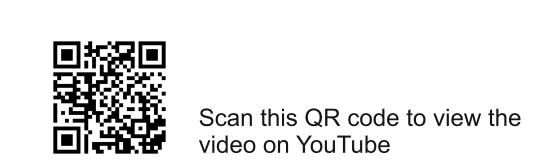




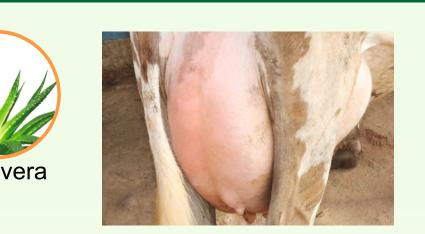
a) Aloe vera - 250 g; b) Turmeric powder - 50 g; c) Calcium Hydroxide (lime)-15 g; d) Lemon - 6 nos.

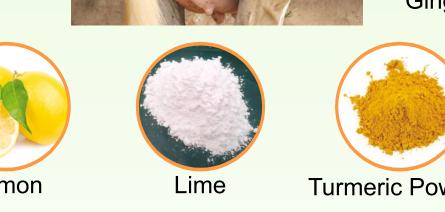
(i) Cut Aloe vera whole leaf into small pieces (after removing the thorns).(ii) Blend along with turmeric powder and lime to form a reddish paste. **Application:** 

(i) Wash, clean and completely milk out all quarters (including unaffected).(ii) Take a handful of the paste and add 200ml of water to make it thin.(iii) Apply the paste diluted in water ten times a day for 5 days each time after following the step (i) above. (iv) Last application of the day should be oil based preparation. (v) Feed two lemons at a time orally (cut into halves) thrice a day for 3 days



Mastitis (all types)





**Oil based Preparation** 

**Ingredients**: For one day Aloe vera (whole leaf) - 250 g; Turmeric powder 50 g; Calcium hydroxide (lime) - 15 g; Lemon - 6 no.s; Mustard or Gingelly oil - 600 ml.

(i) Cut Aloe vera whole leaf into small pieces (after removing the thorns).(ii) Blend along with turmeric powder and lime to form a reddish paste. **Application:** 

(i) Wash, clean and completely milk out all quarters (including unaffected) and dry the udder.(ii) Take a handful of the paste and add 200ml of mustard or gingelly oil to make it thin.(iii) Apply the paste diluted in oil three times a day for 5 days each time after following the step (i) above. (iv) Feed two lemons orally at a time (cut into halves) thrice a day for 3



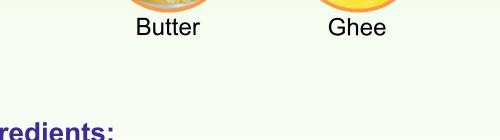
**Preparation** 

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Fever

**Teat obstruction** 





Freshly plucked & clean neem leafstalk-1; Turmeric powder; Butter or Ghee

required length based on teat length, leaving the base intact. (ii) Coat the turmeric powder & butter/ghee mixture thoroughly on the neem leafstalk. (iii) Clean the affected teat opening

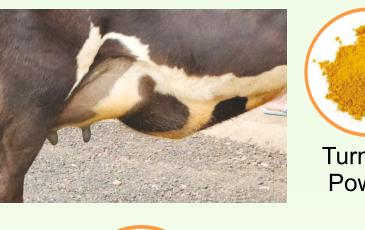
### **Application:**

(I) Insert the coated neem leafstalk with cut end up. base down into the affected teat in an anticlockwise direction.(ii) Replace with fresh neemstalk after each milking.



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## **Udder Oedema**





## **Ingredients:** For one time

Sesame or mustard oil - 200 ml; Turmeric powder- 1 handful; Garlic-2 pearls **Preparation:** 

(i) Heat oil, add turmeric powder and sliced garlic. (ii) Mix well and remove from flame just as the flavour develops (no need to boil). (iii) Allow to cool. **Application:** 

entire oedematous region and udder. (ii) Apply 4 times a day for 3 days. **Note:** Rule out mastitis before using the formulation.

(i) Apply in a circular manner with force over the

## Retention of Placenta



White radish -1 full tuber; Lady's finger - 1.5 kg; Jaggery - as required; Salt - as required **Preparation:** 

### (i) Cut each lady's finger into 2 pieces **Application:**

(i) Feed one full tuber radish within two hours of calving. (ii) Feed 1.5 Kg of fresh lady's finger with jaggery and salt if ROP persists after 8 hours of calving. (iii) In case ROP persists even after 12 hours of calving, tie a knot very close to the base and cut 2 inches below the knot and leave it. The knot will go in. (iv) Do not try to remove the retained placenta by hand. (v) Feed one full tuber of radish once a week for four weeks.

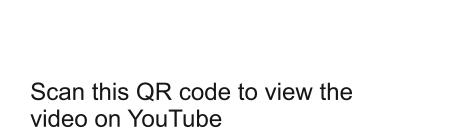


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# Repeat breeding

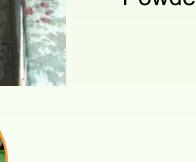


(i) Start treatment on 1<sup>st</sup> or 2<sup>nd</sup> day of heat. (ii) Feed orally in fresh form in the following order once a day along with jaggery and salt: (a)1 white radish daily for 5 days (b) 1 Aloe vera leaf daily for 4 days.(c) 4 handfuls of moringa leaves for 4 days. (d) 4 handfuls of cissus stem for 4 days. (e) 4 handfuls of curry leaves with 5 gram turmeric powder for 4 days. (f) Repeat the treatment once again if the animal has not conceived.



# Prolapse





# Aloe vera gel - from one full leaf; Turmeric powder one pinch; Mimosa pudica leaves - 2 handfuls.

i) Remove the gel from a whole leaf. (ii) Wash it multiple times till the sliminess is reduced. (iii) Make volume upto 1 litre by adding water. (iv) Add a pinch of turmeric powder and boil to half the original volume and allow to cool (v) Prepare a paste of M. pudica leaves separately.

## **Application:**

**Preparation:** 

(i) Clean the prolapsed mass (ii) Sprinkle the gel on the prolapsed mass. (iii) Apply M.pudica paste after the gel dries. (iv) Repeat the process as frequently as possible till the condition improves



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# FMD mouth lesions



**Ingredients:** For one dose Cumin seeds - 10 g; Fenugreek seeds - 10 g; Black pepper - 10 g; Turmeric powder - 10 g; Garlic - 4 pearls; Coconut - 1; Jaggery- 120 g. **Preparation** 

### (i) Soak cumin, fenugreek and black pepper seeds in water for 20-30 mts. (ii) Blend all ingredients to a fine paste. (iii) Add 1 full grated coconut to the paste and mix by hand only. (iv) Prepare dose freshly for each application.

### **Application:**

(i) Apply gently inside the mouth, tongue and palate. (ii) Give the preparation thrice a day for 3 to



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### FMD foot lesions/wound

## Ingredients

Acalypha indica leaves - 1 handful; Garlic-10 pearls; Neem leaves - 1 handful: Coconut or Sesame oil - 500 ml; Turmeric powder - 20 g; Mehndi leaves - 1 handful: Tulsi leaves - 1 handful.

(i) Blend all the ingredients thoroughly. (ii) Mix with 500 ml coconut or sesame oil and boil and bring to

### **Application:**

(i) Clean the wound and apply directly or bandage with a medicated cloth. (ii) Apply Anona leaf paste or camphorated coconut oil for the first day only if maggots are present.



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Ingredients: For one day Garlic - 2 pearls; Coriander- 10 g; Cumin -10 g; Tulsi - 1 handful; Dry cinnamon leaves - 10 g; Black pepper - 10 g; Betel leaves - 5 no.s; Shallots/Onion **Preparation:** - 2 bulbs; Turmeric powder - 10 g; Chirata leaf powder - 20 g; Sweet basil - 1 handful; Neem

> **Preparation:** (i) Soak cumin, pepper and coriander seeds in water for 15 mts. (ii) Blend and mix all ingredients to form a paste.

leaves - 1 handful; Jaggery - 100 g.

**Application** (i) Administer orally in small portions in the morning and evening.



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# Diarrhoea



# **Ingredients:** For one day

Fenugreek seeds - 10 g; Onion - 1 no.; Garlic - 1 pearl; Cumin seeds - 10 g; Turmeric Powder - 10 g; Curry leaves - 1 handful; Poppy seeds - 5 g; Pepper-10 g; Jaggery - 100 g; Asafoetida - 5 g.

(i) Dry fry cumin seeds, asafoetida, poppy seeds and fenugreek seeds till smoke emanates.(ii) Cool and powder the fried seeds.(iii) Blend it with rest of the ingredients to form a paste. (i) Roll the paste into small balls. (ii) Administer

orally in small portions once daily for 1-3 days till

condition cures.

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# Bloat and Indigestion

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Ingredients: For one day

Onion - 100 g; Garlic-10 pearls; Dry Chilly - 2; Cumin seeds - 10 g; Turmeric Powder -10 g; Jaggery- 100 g; Pepper - 10 g; Betel leaves - 10 no.s; Ginger - 100 g **Preparation:** 

(i) Soak pepper and cumin seeds for 30 mts. (ii) Blend along with other ingredients to form a paste. **Application:** 

(i) Roll the paste into small balls. (ii) Administer orally in small portions with salt 3-4 times a day for 3 days.

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# Worms

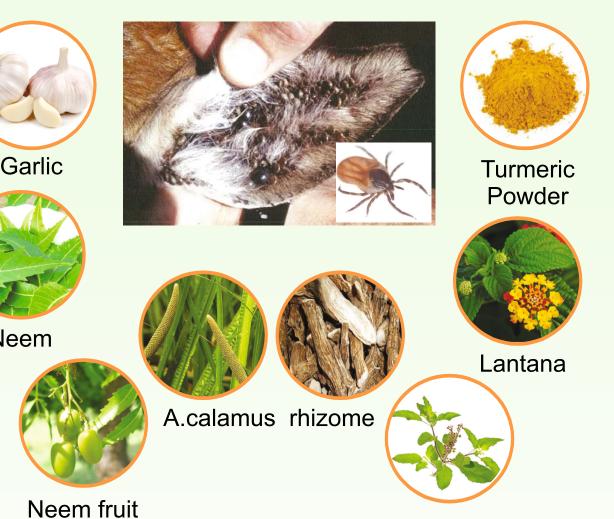


**Ingredients:** For one day Onion- 1 no; Garlic-5 pearls; Mustard seeds - 10 g; Neem leaves - 1 handful; Cumin - 10 g; Bitter gourd - 50 g; Turmeric Powder - 5 g; Pepper- 5 g; Banana stem - 100 g; Common leucas -1 handful; Jaggery - 100 g. **Preparation:** 

(i) Soak pepper, cumin and mustard seeds for 30 mts. (ii) Blend along with other ingredients to form **Application:** 

(i) Roll the paste into small balls. (ii) Administer in small portions with salt once daily for 3 days. Scan this QR code to view the video on YouTube

# Tick/Ectoparasites



# **Ingredients:**

Garlic - 10 pearls: Neem leaves - 1 handful; Neem fruit - 1handful; Acorus rhizome - 10 g; Turmeric powder - 20 g; Lantana leaves - 1 handful; Tulsi leaves - 1 handful. **Preparation:** 

(i) Blend all the ingredients. (ii) Add one litre of

clean water. (iii) Strain with a fine sieve or muslin cloth.(iv) Transfer to a bottle attached to a sprayer. **Application:** (i) Spray on the entire body of the animal. (ii) Also

spray on any cracks and crevices in the cattle shed.(iii) Application can also be done using a cloth dipped in the solution.(iv) Repeat once a week till the condition resolves. (v) Do the application only during sunny part of the day. 

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**Application:** 

Garlic-5 pearls; Turmeric powder - 10 g; Cumin seeds - 15 g; Sweet basil - 1 handful; Neem leaves - 1 handful; Butter(preferred) or ghee - 50 g. **Preparation:** 

(i) Soak cumin seeds in water for 15 mts. (ii) Blend all ingredients to a fine paste. (iii) Add butter and

(i) Apply on affected part as many times as possible

till condition resolves. (ii) Apply after drying the skin

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# Allergy/Poisoning/Venomous sting/bite



### Ingredients: For one dose

(Three Kings: as per Tamil traditional Siddha lore) Betel leaves -10 no.s; Black pepper - 10 g; Salt - 10 g; Jaggery - as required. **Preparation:** 

(i) Blend the ingredients to form a paste. (ii) Mix with

**Application** (i) Feed the dose in small portions (ii) Administer

3 doses daily for 2 weeks. Note: Alternatively 2-3 drops may be instilled in eye every one hour in critical conditions (without



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# Hygroma (swelling of joints)



### **Ingredients:**

Aloe vera - 100 g; Lime (Calcium hydroxide) - 10 g; Cissus quadrangularis stem - 100g; Turmeric Powder - 15 g; Garlic - 5 cloves; Gingelly oil - 1 litre. **Preparation:** 

(i) Blend all the ingredients to a paste (ii) Boil in 1

litre gingelly oil and allow to cool. **Application:** 

(i) Apply four or five times a day on affected part. (ii) Give hot water fomentation twice daily.

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# Cough



# **Ingredients:** For one day

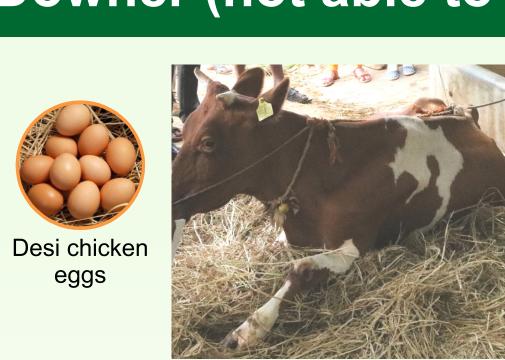
Adhathoda (Adusa) - 1 leaf: Tulsi - 1 handful: Garlic -5 cloves; Turmeric Powder - 10 g; Pepper - 10 g; Jaggery - as required. **Preparation:** 

form a paste with jaggery. **Application:** Feed orally 2-3 times daily till the condition resolves.

(i) Soak pepper for 15-20 minutes and grind

separately (ii) Blend all the ingredients together to

# Downer (not able to get up)

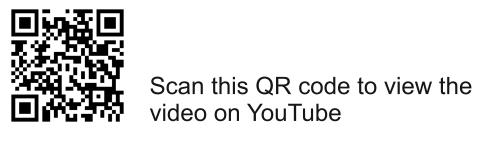


**Application:** 

**Ingredients:** For one dose Desi chicken eggs - 2; Moringa leaves - 4 handfuls; Cissus quadrangularis - 4 handfuls; Jaggery - as required. **Preparation:** (I) Take fresh unboiled eggs (ii) Make a paste of

Moringa and Cissus stem separately with jaggery.

(i) Feed 2 eggs (including shell) at a time, three times a day (make a small hole in the shell before feeding the egg). (ii) Feed moringa and cissus stem paste alternatively every 2 hours (four handfuls at a time) (iii) Do not attempt to lift the animal till the 4<sup>th</sup> day.



# **Toxicity (Pesticide/HCN/Mycotoxin)**





**Ingredients** Three kings: For one dose Betel leaves - 10 nos; Black pepper - 10 g; Salt - 10 g; Jaggery - as required. Other preparation: For one day

Tamarind - 1 Kg; Water - 1 Litre; Moringa extract

(i) Soak tamarind pulp for 15 minutes. (ii) Extract

the juice from the pulp (iii) Add water, moringa leaf

Three kings preparation (i) Blend Betel leaves, Black pepper and salt to form a paste (ii) Mix with jaggery. Other ingredients preparation

extract and jaggery (iv) Mix it thoroughly.

from 1 Kg leaves

**Preparation:** 

**Application:** (i) Give the first dose of three kings (ii) Feed 200 ml of the tamarind-moringa-jaggery as a thick slimy mixture every 2 hours (iii) Feed doses of three kings mixture in between 

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# **Blood in Milk**



**Preparation:** Blend curry and moringa leaves to a paste along

(ii) Feed two lemons at a time orally (cut in two halves) thrice a day for 3 days. Note: Carry out EVM treatment for mastitis also.



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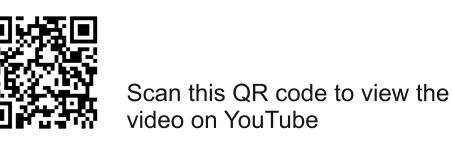
# Anoestrus



### **Application:** Feed orally in fresh form in the following order along

with jaggery and salt: (i) One white radish twice a day for 5 days (ii) One Aloe vera whole leaf twice a stem twice a day for 4 days. (v) Four handfuls of Note: Carry out deworming 15 days prior to start of

treatment.



### **1** First Preparation Ingredients: (For one dose) Betel leaves -10 nos.; Black pepper -10 g; Salt - 10 g;

 Blend to form a paste and mix with jaggery Feed the dose in small portions orally







Ingredients Acalypha indica leaves -1 handful: Garlic - 10 pearls: Neem leaves -1 handful; Coconut or Sesame oil - 500 ml; Turmeric powder - 20 g; Mehndi leaves - 1 handful; Tulsi leaves - 1 handful. **Preparation:** 

coconut or sesame oil and boil and bring to cool. **Application:** 

Apply Anona leaf paste or camphorated

coconut oil for the first day only if

maggots are present.







Bay leaves Sweet Basil Neem

### **Ingredients:** For one day Curry leaves - 2 handfuls; Moringa leaves - 2 handfuls; Jaggery - 100 g; Lemon - 6 no.s

with jaggery. Cut the lemon in two halves **Application:** (i) Feed the paste twice daily till the condition



day for 4 days.(iii) Four handfuls of moringa leaves twice a day for 4 days. (iv) Four handfuls of cissus curry leaves with 5 gram turmeric Powder twice a day for 4 days.



### Feed three doses daily from the second day onwards for 2 weeks (Day 2 onwards) • Each dose to be prepared freshly





(i) Blend all the ingredients thoroughly. (ii) Mix with 500 ml

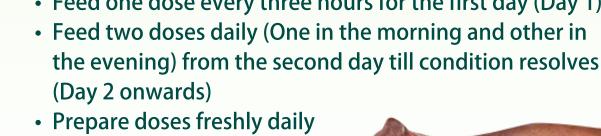
Clean the wound and apply directly If maggots are seen:

### • Blend to form a paste and mix with jaggery Feed the dose in small portions orally • Feed one dose every three hours for the first day (Day 1) (Day 2 onwards)

**Preparation:** 

**2** Second Preparation

Ingredients: (For 2 doses)











### Garlic - 2 pearls; Coriander - 10 g; Cumin - 10 g; Tulsi -Jaggery - as required handful; Bay leaves - 10 g; Black pepper - 10 g; Betel leaves - 5 nos; Shallots - 2 bulbs; Turmeric powder - 10 g; Chirata leaf powder - 30 g; Sweet basil - 1 handful; Neem leaves - 1 handful; Aegle marmalos (Bel) leaves - 1 • Feed one dose every three hours for the first day (Day 1) handful; Jaggery - 100 g