

PART II

HERBAL PRACTICES & PRODUCTS

This section contains details of herbal preparations used traditionally for various ailments and products based on such traditional knowledge.



Uses of *Abrus precatorius* L. (Ghughachi)

NIF database

Use from Uttarakhand

Dog bite

Mix half of the seed with curd and take it twice a day for two-three days

- *Indrasingh Rana, Udham Singh Nagar, Uttarakhand*

Uses from other states

Backache

Mix powdered seeds of the plant along with the powder of rhizome of *Acorus calamus* L., roots of *Asparagus racemosus* Willd., and leaves of *Vitex negundo* L., *Cannabis sativa* L. with honey. Make tablets and take one tablet twice a day for three to four weeks

-*Ami Chand, Kangra, Himachal Pradesh*

Baldness

Apply seed paste on the scalp along with honey

-*Mangilal Purohit, Churu, Rajasthan*

Mouth ulcer

Apply the green leaf juice topically

- *Chhitar Lal Gurjar, Sawai Madhopur, Rajasthan*

Stomachache

Take seeds (100g) with ghee or butter for relief

- *Kalpana, Trichy, Tamil Nadu*

Knee pain

Take seeds (6g) orally with milk for 14 days

- *Pavan Mehra, Sikar, Rajasthan*

Uses from Classical Codified Literature

Dried leaf and root powder is given orally in the case of eye complaint¹; decoction of the young leaves is given orally for cough²; leaf powder is given orally in case of urine problems³; and seed extract is used in sciatica³.

It is one of the ingredients of 'Tranquil'⁴ medicine for relieving stress and anxiety. Ten patents have been found on the applications of *Abrus* mainly as a natural sweetener⁵ and oral contraceptive⁶.



Source: NIF database

Uses of *Achyranthes aspera* L. (Latajeera)

NIF Database

Use from Uttarakhand

Poisonous bite

Take the fresh juice of the branch
- Hemlata Balutia, Nainital, Uttarakhand

Uses from other states

Toothache

Brush the teeth with freshly plucked roots
- Bhagvat Prasad Yadav, Nawada, Bihar

Itching

Take the powdered roots (5g) orally with water twice a day for seven days
- Indira Kumari, East Champaran, Bihar

Fever

Grind roots (5g) with half black pepper into a fine powder. Take the powder orally
- Rajkishor Prasad, Sheohar, Bihar

Hemorrhoids

Take a spoonful of dried root powder on an empty stomach till the ailment gets cured
- Vishwanath Mahato, East Champaran, Bihar

Veterinary practice

Topical inflammation

Apply the plant paste topically
- Sheikh Hifazat Hussain, East Champaran, Bihar

Headache

Make tablets (of about 5g) from the root paste. Take one tablet daily in the morning with water for three days
- Jagjit Bahadur, Sitapur, Uttar Pradesh

Asthma

Grind the whole plant (50-100g) into a fine powder. Take 5g of this powder with water till the ailment gets cured
- Ahmed Hussain, Lohardaga, Jharkhand

Poisonous bites

Apply the root paste topically and also take it orally
- Jagjit Bahadur, Sitapur, Uttar Pradesh

Abscess

Apply the root paste topically
- Ravi Uraav, Hazaribag, Jharkhand

Uses in Classical Codified Literature

Dried aerial parts are taken orally in the case of diabetes⁷; powder made from the dried plant is given orally to treat whooping cough⁸; decoction of the plant is used as laxative⁹; and the decoction of the plant is applied externally on boils and pimples⁹.

Product 'Cystone'¹⁰ is made from this plant, which inhibits calculogenesis by reducing stone-forming substances like oxalic acid, calcium hydroxyproline and prevents urinary tract infections. Thirty five patents have been found on the medicinal applications of *Achyranthes* mainly for curing laryngopharyngitis¹¹, bronchial asthma¹².



Source: <http://www.impgc.com/images/plantPictures/Achyranthes%20aspera.jpg>

Uses of *Aegle marmelos* (L.) Corr. (Bel)

NIF Database

Uses from Uttarakhand

Diabetes

Take equal quantity of the leaves of *Aegle marmelos*, *Syzgium cumini* (L.) Skeels., *Ocimum sanctum* L., *Azadirachta indica* Juss., and *Ficus religiosa* L. Extract the juice and take one cup thrice a day.
- Manish Srivastava, Pithoragarh, Uttarakhand

Stomachache

Grind the fresh roots along with one black pepper. Take two spoonfuls of the paste twice a day for two days
- Chhoti Devi, Udham Singh Nagar, Uttarakhand

Uses from other states

Diabetes

Take the root juice (150ml) orally
- Maibum Lolito Meitei, Bishempur, Manipur

Jaundice

Take the leaf or fruit juice orally
- Ngairangbam Santosh Singh, Imphal East, Manipur

Headache

Grind equal amounts of root of bel and leaves of *Leucas aspera* L. into a paste and apply
- Bhadi Ram Bharali, Guwahati, Assam

Nasal bleeding

Apply the leaf paste on the nose
- Puran Chand, Kangra, Himachal Pradesh

Eye diseases

Put two drops of the green leaf juice in the eye
- Kumari Nigar Pravin, Hazaribag, Jharkhand

Menorrhagia

Take the leaf paste orally
- Rani B. Bhagat, Pune, Maharashtra

Intestinal worms

Take the green leaf juice orally
- Jagjeet Bahadur, Sitapur, Uttar Pradesh

Uses in Classical Codified Literature

Burnt fruit pulp is applied for rheumatic arthritis⁸; 10g fruit pulp is given before sleep to overcome morning sickness¹³; and fruit rind is applied externally on hair to kill headlice¹⁴.

'Bael'¹⁰, prepared from *Aegle* is used in diarrhoea, dysentery and GI disorders. It has digestive and carminative properties. Lukol's¹⁰ tonic is made from this plant along with other plants. It improves uterine circulation, and its antimicrobial and astringent actions on the mucous membrane of the genital system also help control leucorrhoea. 'Bilwa'¹⁵, a product of *Aegle* is used as a medicine to cure a number of diseases. Fifty-three patents have been found on the medicinal applications of *Aegle* mainly for curing diabetes¹⁶, gastric ulcer¹⁷ besides novel uses as herbal catalytic composition (US 6012417) for pollution control in automobiles.



Source: <http://www.banana-tree.com/catalog%20Images/image298.jpg>

Uses of *Bombax ceiba* L. (Semal)

NIF Database

Use from Uttarakhand

Itching in animals

Take the bark paste twice a day

- Umesh Rathore, Pithoragarh, Uttarakhand

Uses from other states

Pimples

Make a paste of thorn with milk. Apply on the pimples for seven days

- Pravin Kumar Sharma, East Champaran, Bihar

Wound

Apply the fresh bark paste topically

- Pravin Kumar Sharma, East Champaran, Bihar

Diarrhoea

Take a spoonful of leaf juice along with some sugar candy for four days

- Neha Kumari, East Champaran, Bihar

Gynaecological disorder

Take the gum powder (5g) with water for five days

- Jugeshwar Ram, Hazaribag, Jharkhand

Constipation

Take the bark powder (3g), coriander powder and jaggery with water

- Devaram, Sirohi, Rajasthan

Piles

Take the root paste (10g) with water for seven days

- Antaryami Pradhan, Angul, Orissa

General health

Few flowers are soaked in a glass of water overnight.

Filter and take the water the next morning to give a coolant effect to the body

- Mukta Kumavat, Sikar, Rajasthan

Uses in Classical Codified Literature

Decoction of the bark is given orally to combat fever¹⁸ decoction of the heartwood is given for controlling diabetes¹⁹; and bark juice is administered to reduce stomachache²⁰.

Product 'Acne-n-Pimple Cream'²¹ is prepared from *Bombax* along with other plants to treat pimples and skin eruptions. 'Evecare'¹⁰, a multi herb product made from this plant, has a regularizing influence on the menstrual cycle. Eight patents have been found on the medicinal applications of *Bombax* mainly for skincare²², AIDS²³ etc.



Source: http://www.fine-arts.org/about/images/Bombax_ceiba_Orange_Glow_copy.jpg

Uses of *Calotropis procera* (Ait.) R. Br. (Akauva)

NIF Database

Uses from Uttarakhand

Itching and irritation

Warm the leaves smeared with mustard oil and make a bandage on the affected body part for two to three days

- Sukkhi Devi, Udham Singh Nagar, Uttarakhand

Inflammation

Apply the paste of fresh roots on affected body parts

- Sukkhi Devi, Udham Singh Nagar, Uttarakhand

Migraine

Heat the leaf and extract the juice. Put two-three drops in the nostril in the opposite side of the head having pain

- Indiravati Rana, Udham Singh Nagar, Uttarakhand

Uses from other states

Stomach disorder

Grind the leaves with turmeric and make tablets. Take one tablet orally till the ailment gets cured

- P. D. Walikar, Bagalkot, Karnataka

Knee pain

Take the leaf juice orally

- Jyothi Bhatta, Chikmagalur, Karnataka

Earache

Put the latex in the ear to cure the pain

- R. C. Chowdhary, Nagor, Rajasthan

Stomachache

Smear mustard oil on a leaf and warm. Apply it over the abdomen for immediate relief

- Chawda Chanduben Jawanji, Gandhinagar, Gujarat

Arthritis

Mix latex with turmeric powder, boil it with sesame oil and then apply this paste on the aching joint

- Sanjay Singh Uplana, Nagda, Madhya Pradesh

Skin disease

Apply the bark paste on the infected part

- Muralilal, Jaipur, Rajasthan

Uses in Classical Codified Literature

Plant extract is used as bronchodilator²⁴; flower buds of *Calotropis*, along with black pepper seeds and salt, are crushed to make pills the size of small peas. Two pills are taken twice daily for three days to cure malaria²⁵; warmed leaves, smeared with oil, are applied on the aching part to alleviate rheumatic pain²⁶. 'Muscle & Joint Rub'¹⁰ is a highly effective ointment for backaches, muscular sprains and joint pains. 'Arkavaleha'²⁷, made from this plant, is given to cure irritation of the stomach, nausea, vomiting, diarrhoea etc. Eight patents were found on the medicinal uses mainly for anti-tumor and antidotal activity²⁸ and bronchial asthma¹².



Source: SRISTI Database

Uses of *Carica papaya* L. (Papita)

NIF Database

Uses from Uttarakhand

Kidney stone

Take the fresh root paste for 21 days
Umesh Rathore, Pithoragarh, Uttarakhand

Take the root paste with water for 21 days
- Kalavati Devi, Udham Singh Nagar, Uttarakhand

Uses from other states

Cuts and wounds

Apply the leaf paste topically
- Jongam Ngemu, Papum Pare, Arunachal Pradesh

Jaundice

Take the root decoction thrice a day along with some other herbs
- Yanueg Jamoh Lego, East Siang, Arunachal Pradesh

Toothache

Keep cotton dipped in the latex of the stem on the aching tooth
- Mangeram Jani, Hissar, Haryana

Intestinal worms

Take fresh latex mixed with honey orally
- Prabhat Kumar Pandey, East Champaran, Bihar

Ringworm

Apply the milky latex on the affected area
- Mukesh Kumar, East Champaran, Bihar

Jaundice

Eat the curry of tender fruit
- Sharda Devi Gangwal, Jaipur, Rajasthan

Kidney stone

Take the root juice orally
- Sandhya Suman, Sitamarhi, Bihar

Hydrocele

Make a paste of latex and tender fruit. Give one teaspoon thrice a day till the ailment gets cured.
- Dimbeswar Gogoi, Sibsagar, Assam

Veterinary practice

Lactagogue

Feed fruits daily to enhance milk production
- Manoj Kumar, Madhubani, Bihar

Uses in Classical Codified Literature

Decoction of the flower is used as cardi tonic²⁹; bark powder is applied externally on wounds³; decoction of the bark is given orally to get rid of intestinal worms³⁰; beverage of the fruit is taken orally to cure diarrhoea³¹. Natural moisturizers and creams³² are prepared from *Carica* in combination with other plants. Thirty patents were found on its medicinal uses as an antiallergic³³ and for prevention of cancer³⁴.



Source: http://utenti.lycos.it/piantetropicali/Carica_papaya.jpg

Uses of *Centella asiatica* (L.) Urban (Brahmi)

NIF Database

Use from Uttarakhand

Impotency

Take leaf paste of *Centella* and *Tinospora cordifolia* (L.) Merr. daily in the morning
- Umesh Rathore, Pithoragarh, Uttarakhand

Uses from other states

Malaria

Take the decoction of the plant along with some other herbs thrice a day
- Smit Yanueg Jamoh Lego, East Siang, Arunachal Pradesh

Toothache

Make a paste of *brahmi* leaves, garlic cloves and banana roots. Apply topically and leave for one hour.
- Anil Gogoi, Sivasagar, Assam

Sinusitis

Grind leaves (10g) along with one black pepper and extract the juice. Put three drops into the nostrils. Continue the treatment for three days
- Batchu Murrur, Kokrajhar, Assam

Dysentery

Grind leaves (10) of *brahmi* and guava together to make a paste. Take this paste twice a day for ten days. In case of chronic dysentery, continue the treatment for 90 days
- Guna Ram Khanikar, Golaghat, Assam

Make a paste of leaves along with black pepper and take it orally
- Dipali Borah, Sivasagar, Assam

Memory enhancer

Take the leaf juice orally
- Savitri Devi, Kangra, Himachal Pradesh

Skin diseases

Apply the leaf paste topically over the affected part
- Savitri Devi, Kangra, Himachal Pradesh

Diarrhoea

Take two spoonfuls of the whole plant juice with a pinch of salt orally twice a day for a week
- Sapam Deben, Bishnupur, Manipur

Herbal tea for immunity

Add some leaves while preparing tea. It helps to enhance immunity
- Jasmit Singh, Hamirpur, Himachal Pradesh

Insomnia

Include whole plant paste in daily diet
- Khiroram Barman, Borpetta, Assam

Uses in Classical Codified Literature

Fresh juice of aerial part is used as brain tonic³⁵; powder of aerial parts helps to control high blood pressure³⁶; whole plant is diuretic³⁷; plant paste is applied as a poultice in case of bone fracture³⁷. 'Herbal Tea'³⁸ is mainly indicated as a health drink. 'Mentat'¹⁰ improves mental functions, mental quotient, memory span, and concentration ability and stress threshold. More than three hundred patents were found on its medicinal applications mainly as an anti-depressant³⁹.

Uses of *Ficus racemosa* L. (Gular)

NIF Database

Use from Uttarakhand

Nose bleeding

Take the crushed fruits with an equal quantity of jaggery
- Deepak Balutia, Nainital, Uttarakhand

Uses from other states

Mouth sores

Apply the latex on sores
- Aarti Kumari, Gopalganj, Bihar

Jaundice

Mix two drops of the latex in a glass of water. Take it in the morning on an empty stomach for seven days
- Sheikh Javed & Sheikh Mohammad, Hingoli, Maharashtra

Gynaecological disorder

Take the leaf juice orally
- Satyanarayan Sain, Sikar, Rajasthan

Poisonous bite

Massage crushed tender leaves over the affected area
- Ganesh Madhukar Shanbhag, Sholapur, Maharashtra

Uses in Classical & Codified literatures

Dried bark is given orally to cure diarrhoea⁴⁰; diabetics should take the decoction of roots⁴¹; dried root powder is administered orally to combat fever⁴².

Product 'Tricawin'⁴³ is prepared from this plant in combination with others herbs for the treatment of specific and non-specific leucorrhoea. 'Diabet Guard Capsules'⁴⁴ is used to cure diabetes. Fifty patents have been found on its various medicinal applications such as to treat stomach ulcer.⁴⁵



Source: <http://farm4.static.flickr.com>

Uses of *Kalanchoe pinnata* (Lam.) Pers. (Paththar chatta)

NIF Database

Use from Uttarakhand

Kidney stone

Take the leaf juice for 10-15 days

- Sukkhi Devi, Udham Singh Nagar, Uttarakhand

Uses from other states

Injury

Put warmed leaves on the affected body part

- Onom T. Doming, East Siang, Arunachal Pradesh

Eye pain

Put two drops of the leaf juice in the eyes

- Susanta Kumar Manjhi, Birbhum, West Bengal

Stomach disorder

Take two spoonfuls of the leaf juice orally

- Susanta Kumar Manjhi, Birbhum, West Bengal

Diarrhoea

Take the leaf juice orally along with some sugar

- Bikesh Kumar, Sitamarhi, Bihar

Cuts & wounds

Apply the leaf paste topically

- Arun Ghosh, Bankura, West Bengal

Pain

Apply the leaf paste topically

- Priyanka Pramanik, Purulia, West Bengal

Jaundice

Take the leaf juice along with black pepper orally

- Arun Kumar Pandey, Fatehpur, Uttar Pradesh

Kidney stone

Grind the leaves of the plant with a piece of turmeric and extract the juice. Add some jaggery and take the preparation for ten days.

- Dimbeswar Gogoi, Sivasagar, Assam

Take leaf juice orally once a day for 25-30 days.

- Guna Ram Khanikar, Golaghat, Assam

Uses in Classical Codified Literature

Plant paste is applied on forehead to alleviate headache⁴⁶; leaf paste is applied externally to cure cuts and wounds⁴⁷; fresh sap of plant is used for eye diseases⁴⁸. Product 'Regenerating Day Cream'⁴⁹, a multiherbal medicine enhances skin's tone and elasticity, helps to smooth wrinkles and fine lines. Five patents were found on the medicinal applications of *Kalanchoe* mainly as an antiobesity⁵⁰ medication.



Source: NIF database

Uses of *Solanum nigrum* L. (Makoi)

NIF Database

Use from Uttarakhand

Inflammation

Make a curry of *Solanum* and *Cuscuta reflexa* Roxb.
Take it for two or three days
- *Chhoti Devi, Udham Singh Nagar, Uttarakhand*

Uses from other states

Malaria

Take the decoction of the plant along with some other herbs thrice a day
- *Yanueg Jamoh Lego, East Siang, Arunachal Pradesh*

Nasal bleeding

Boil dry fruit (25g) in mustard oil (100g) and filter. Apply the filtrate on the forehead
- *Sahim Ansari, Lohardaga, Jharkhand*

Mouth ulcer

Chew the leaves
- *Shripal Singh, Bulandshahar, Uttar Pradesh*

Cough

Take the root juice orally
- *Priyanka Kumari, Gopalganj, Bihar*

Fry the leaves of makoi (200g) in mustard oil (20ml) and take it orally with a little salt
- *Sukhai Mali, Faridabad, Haryana*

Jaundice

Take the root juice orally
- *Suman Kumari, Gopalganj, Bihar*

Stomachache

Take the fried leaves of *Solanum*, neem and *Vitex negundo* L. orally twice a day
- *Moirangthem Mani Devi, Imphal West, Manipur*

Uses in Classical Codified Literature

Powdered fruit is given orally to reduce fever⁴⁶; juice extracted from the whole plant is applied externally on the burnt part⁵¹; poultice of the plant is placed on the aching joint⁹; fruits are ground and taken orally to cure diarrhoea²⁶.

'Herbolax'¹⁰ made from *Solanum* along with other plants is used as gentle laxative in case of constipation and for electrolyte balance. Ninety patents were found on its medicinal uses mainly on hepatitis^{52,53}.



Uses of *Tinospora cordifolia* (Willd.) Miers ex Hk. f. & Th. (Gurj)

NIF Database

Use from Uttarakhand

Diabetes

Soak handful of rice overnight in water. Take it the next morning after adding the powder of *Tinospora* leaves
- Deva Bharti, Bageshwar, Uttarakhand

Uses from other states

Typhoid

Take the decoction or powder of the stem orally
- Yanueg Jamoh Lego, East Siang, Arunachal Pradesh

Asthma

Take two spoonfuls of the leaf juice orally with honey for 40-42 days
- Ramabandhu Mahajan, Jalgaon, Maharashtra

Diabetes

Take leaf powder (¼ spoon) regularly
- Patel Singh, Hissar, Haryana

Rheumatism

Mix the plant (25g), dry ginger (5g) and sesame oil (5g), soak in water overnight. Take the filtered solution next morning
- Jagjit Bahadur, Sitapur, Uttar Pradesh

Piles

Boil, dry and grind the whole plant (50g) into a fine paste. Make tablets and take one tablet thrice a day for 3-5 days
- Pukhram Angouba Singh, Bishnupur, Manipur

Veterinary practice

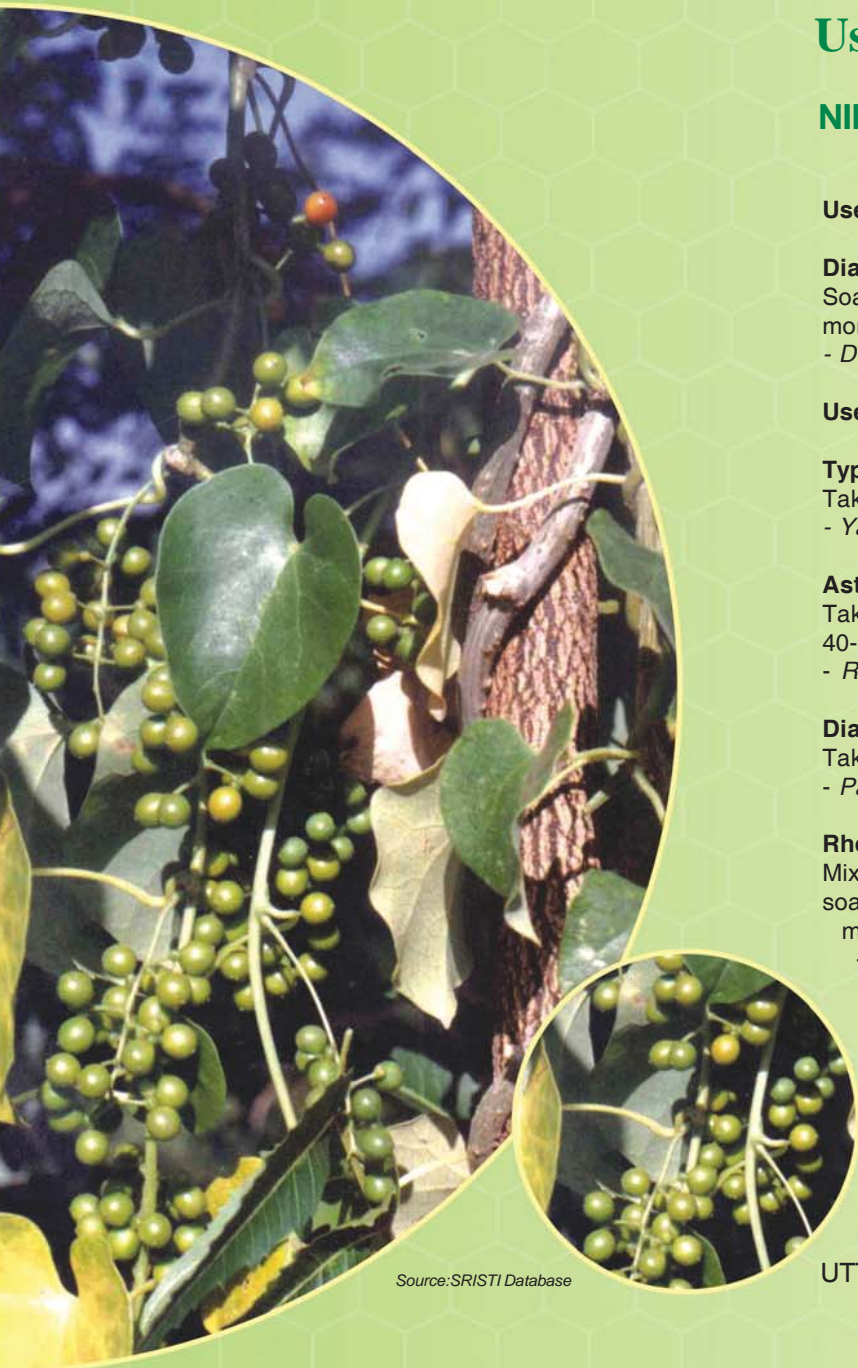
Anestrous

Grind the plant, along with the bark of *Cassia fistula* L. and leaves of *Artocarpus heterophyllus* Lam., and take orally
- Honnegowda, Bengaluru rural, Karnataka

Uses in Classical Codified Literature

Powdered roots are taken to cure mouth ulcer⁵⁴; powdered plant is administered orally with honey to get relief from stomach disorder⁵⁵; the stem is bitter and is used as anthelmintic³⁷; and decoction of the plant is given orally to cure diarrhoea⁵⁶.

Tinospora is a well known medicinal plant and is used to cure a number of diseases in combination with other plants with brand names 'Geriforte, Diabecon'¹⁰ etc. More than a hundred patents were found on its medicinal applications mainly as an antiallergic⁵⁷ and for cancer⁵⁸.



Source:SRISTI Database

Uses of *Ziziphus mauritiana* Lamk. (Bor)

NIF Database

Use from Uttarakhand

Indigestion

Mix the fruit pulp of *Ziziphus* with one year old vinegar and add some black salt to it. Take the formulation for fifteen days on an empty stomach

- *Jivan Nath Bichchunath, Udham Singh Nagar, Uttarakhand*

Uses from other states

Hair care

Boil the fresh leaves (100-150g) in one litre of water. Wash the hair with cooled decoction.

- *Baba Anantanand, Hissar, Haryana*

Acne

Apply the leaf paste topically

-*Ajay Kumar Jena, Balasore, Orissa*

Indigestion

Take one spoonful of the root paste orally

- *Madhusuda Munda, Keonjhar, Orissa*

Rheumatism

Apply the leaf and root paste (along with the roots of *Cassia auriculata* L.) on the aching part

- *Jivanbhai Bhanjibhai Jagarana, Bhabnagar, Gujarat*

Veterinary practice

Lactagouge

Feed the cattle with dry leaf powder mixed in fodder

- *Baba Anantanand, Hissar, Haryana*

Uses in Classical Codified Literature

Pounded leaves are applied on boils¹⁸; powdered leaves are taken to reduce blood sugar⁸; decoction of the plant is administered orally as a diuretic⁵⁹; and powder of dried fruit is given orally with water to cure diarrhoea¹.

'Dhanwantharam oil⁶⁰' is prepared from *Ziziphus* along with other plants used for rejuvenating body and skin care. More than ten patents have been found on its medicinal applications mainly for treating cancer and tumorous growth⁶¹.



Herbal Formulations for Healthy Crops

SRISTI SHASTRA

Arkhiben Vankar, Ranabhai Kamaliya, Banidan Gadhvi, Gemal Rana, Rajnikant Patel, Ahmadbhai Kadivala, Gujarat.

It flourishes the growth of the plant by increasing flowering as well as fruiting. Besides overall vegetative growth, it is not harmful to nature and human beings. It also controls sucking pests like white fly, heliothis, aphid etc.

SRISTI KRUSHAK

Popatbhai Rupabhai Jambucha, Gujarat

It is an excellent remedy for leaf curl disease. Besides controlling the disease it increases the vigor of the plants by increasing overall growth.

SRISTI SURAKSHA

Community Knowledge, Gujarat

It is a very efficient treatment for termite and acts as a vitaliser to the affected crops. To control termites the herbal formulation is mixed with sand and spread in the field. Some times it is released in the field along with the flow of irrigation water. In some cases, it is also drenched in the affected part of the plant and sprayed on the vegetation to repel termites.

SRISTI PRAYAS

Community Knowledge, Gujarat

It is a highly effective formulation to act as a herbal growth promoter, which stops shedding of flowers as well as increases the overall growth of the plant. This formulation strengthens the plants internally and enables them to withstand extreme weather conditions. Constant use of this formulation increases the yield and reduces the toxic content in our daily diet.

SRISTI SHAKTI

Community Knowledge, Gujarat

A herbal growth promoter, which helps in production of excellent quality organic food grain. Constant use of this formulation not only increases the yield but also reduces the toxic contamination in our food and environment.



Herbal Formulations for Livestocks and Poultry



Coccicure

Sudakarbhaj K. Gaudi & Jeevalbhai M. Gaudi, Dang, Gujarat

It is a unique herbal medication for prevention and curing of Coccidiosis (*Eimeria* sp infections) in Poultry. The primary function of the medication is to reduce the oocytes maturation and affects the life cycle of various *Eimeria* species.

Poultmax

Community knowledge, Valsad, Dang, Gujarat

It is a unique herbal medication for promoting poultry immunity. It cures symptoms like greenish diarrhoea, conjunctivitis, nasal sputum, drop in egg production and respiratory distress in poultry. About 30g/100 birds for 0-4 weeks & 60g/100 birds for 4-8 weeks may be administered for seven days in stress or for three days before and three days after expected stress.

Mastiherb

Ukhardiyabhai S. Raot, Dang, Gujarat

Mastiherb is a unique intramammary herbal medication for curing mastitis in animals. Clinical trials indicated efficacy of the medication over subclinical mastitis; clinical mastitis and chronic mastitis. It was also validated in case of mastitis due to *Staphylococcus aureus*. The dose rate was found to be single intra mammary infusion for minimum three days after adequate standardization.



-These formulations are based on traditional knowledge of farmers and developed by Sadbhav-SRISTI Sanshodhan Laboratory (www.sristi.org). These products are licensed to Matrix Biosciences Pvt. Ltd, Hyderabad, Andhra Pradesh. The benefits are shared with the knowledge providers, communities, nature, those who add value and other stakeholders in the knowledge and value chain.

