



What

need does the playbook address?

Goat-rearing can be an important source of income for rural, small and marginalised communities and can be encouraged among women farmers. Profits can be maximised by ensuring good care of goats and taking steps to prevent diseases among stall-fed goats.

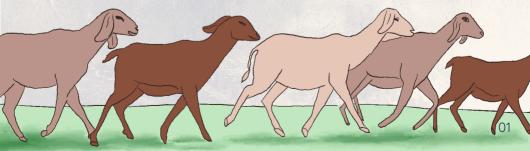
This solution can be adopted if:

- You have small holding or no agricultural land
- You have basic access to water and fodder for goat rearing

Who can use this Playbook:

Goat rearers, Trainer, Practitioner, Community Resource Persons

This playbook, designed using Ibtada's expertise, encourages goat rearing among socio-economically disadvantaged communities and landless/marginal farmers in rural Rajasthan. This playbook also contains a ready-to-print poster that can be hung in Goat stalls to remind goat rearers





What are the benefits to Goat regrers?



Reducing mortality among goats



Ensures healthy pregnancy and lower infant mortality



Increases muscle mass leading to more incomes when selling the goats





Goat milk is a valuable product which is improved by good practices





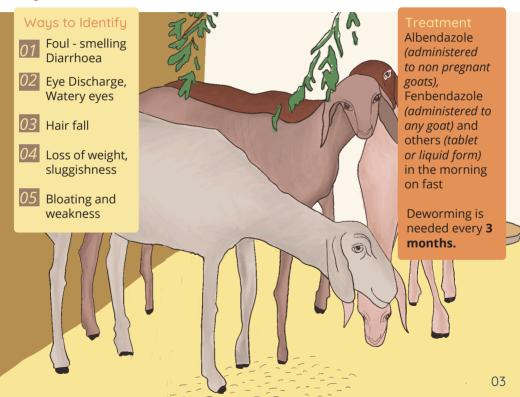
Reproduction cycle improves (*Time period decreases*)





Deworming and Worms in Stomach: Recognise and treat

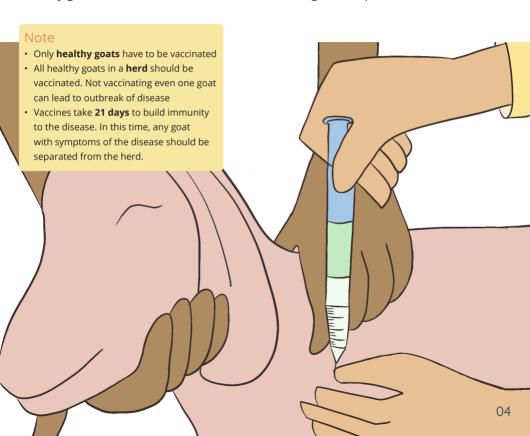
Worms in the stomach and digestive tracts of goats can lead to lowering of appetite, weight loss.





Vaccination Cycle

Each disease has a different vaccine cycle. Since, it is impossible to track the susceptibility of every goat in a herd, vaccinations are done for all goats at specific times.



Ibtada researing

PPR (Peste des petits ruminants)



Symptoms

- O1 Dullness and Loss of appetite
- 04 Sores in the mouth

02 Fever

05 Disturbed breathing Cough

03 Discharge from eyes and nose

O6 Foul-smelling Diarrhoea



Age of goat to start vaccination

Above $\overline{3}$ months



Vaccination Schedule

Once in 3 years (per goat)

January	April	July	October
February	May	August	November
March	June	September	December





Symptoms

01 High Fever

- 04 Lethargy
- O7 Abortion of pregnant goats

- 02 Red spots/Blisters all over the body
- 05 Depression
- 08 Swollen eyelids

- 03 Breathing difficulties
- 06 Loss of appetite



Age of goat to start vaccination

Above 3 months



Vaccination Schedule

Once a year

January	April	July	October
February	May	August	November
March	June	September	December

Thtada retormo

FMD (Foot and Mouth Disease)



Symptoms

- 01 Blisters on the tongue or lips, inside mouth
- 74 Fever

07 Excess drooling

- 02 Blisters between toes, above the hooves
- 05 Sluggishness

03 Loss of appetite

06 Difficulty in movement



Age of goat to start vaccination

Above $\overline{3}$ months



Vaccination Schedule

Twice a year

January	April	July	October
February	May	August	November
March	June	September	December

Enterotoxaemia (ETV)





Symptoms

01 Foul smelling

04 Kicking legs

- O2 Lethargy and Breathlessness
- 03 Stomach ache and Bloating



Age of goat to start vaccination

Above $\overline{3}$ months



Vaccination Schedule

Once a year

January	April	July	October
February	May	August	November
March	June	September	December



Ibtada resource years. ह्वितेद्रा

Growing Azola at home for extra nutrition

Azolla is an aquatic fern that can be grown in water.

Benefits

It is an excellent source of phosphorus, calcium, protein, nitrogen. It can substitute fodder (Gwar,Gehu,Chana and Moongphalli Bhusa) in dry seasons or when availability is low.

- 01 Good source of nutrition
- 02 Increase milk production
- 03 Strengthens bones strength

How to grow Azola at home

Setting up the bed



Can buy a leak-proof, polythene-type bed



Can be set-up indoors or in a shady, protected space outside. (Should ensure dogs/stray animals cannot access this bed)

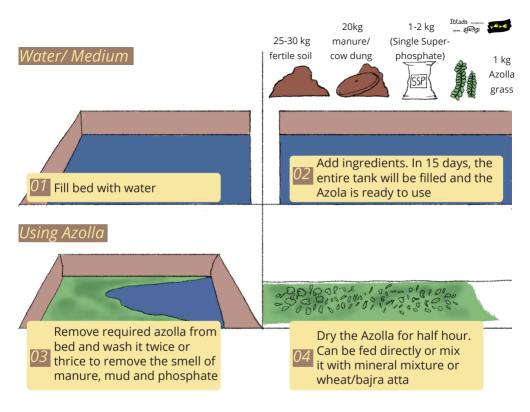


Cost: Around Rs. 1,800 for dimensions of 10 feet length by 4 feet width by 1 feet depth.



One bed can feed 5-7 goats

02



Seasonal vigilance

- 1. Azolla grows best in monsoons.
- 2. In cold winters, add green net on top to increase heat within the bed.

Requirement

250 gms of Azolla per day (can extract more depending on appetite of goats)

How to make a mineral brick?



Benefits

These bricks have salts, calcium which are needed to improve a goat's health.



Improves goat appetite



Improves immunity



Improves bone strength and muscle mass makes goats bigger



1

kg each



Clay

Salt

150-200 gms



Wheat Husk/chaff

100 gms



Black salt



Multani Mitti



Jaggery (In winters/cold conditions only)

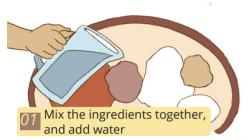
3 gms





Process









02 Mix them like one would do with Atta for Roti

Divide it into parts and make a rough brick shape



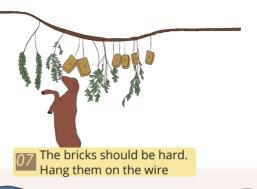
Make a hole in the middle with your finger



Dry these bricks in the shade for 10 days



Then, dry the bricks in the sun till the bricks are fully dry.





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