



Greenfield Smart Collars for Goats

24/7 health, fertility and behaviour monitoring for dairy and meat goat herds



The **Greenfield Precision Livestock Farming Collar** brings individual-animal monitoring to goat operations. Each collar measures rumination, activity, feeding, rest and skin temperature around the clock, and the Greenfield Collars app turns those signals into early warnings on your phone — so problems in a single doe are caught before they spread through the herd or show in the milk tank.

THE CHALLENGE

Goats are adept at masking illness, and by the time a doe looks sick she has often been off feed for a day or more. Heat signs in does can be short and subtle, kidding often happens overnight, and herds on browse or pasture are hard to check animal by animal. Manual observation takes labour most operations no longer have.

HOW IT WORKS

1 Collar sensors

A 3-axis accelerometer and skin-temperature sensor track behaviour around the clock.

2 Wireless link

Readings travel to an on-farm gateway (up to 1 km range) every 15–20 minutes.

3 Cloud analytics

Algorithms learn each animal's normal pattern and flag deviations.

4 Farmer alerts

Health, heat and birthing alerts arrive straight on your phone.

KEY SPECIFICATIONS

Sensors

3-axis accelerometer + skin temperature

Metrics tracked

Rumination, activity, feeding, rest & heat; optional GPS location

Battery life

Up to 5 years, no recharging

Connectivity

Wireless gateway, up to 1 km range

Data refresh

New readings every 15–20 minutes

Durability

IP67 waterproof, rugged adjustable webbing strap



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USE CASES FOR GOAT OPERATIONS

Heat detection

Activity and rumination changes pinpoint when each doe is in heat, helping time buck exposure or artificial insemination and tighten the kidding window.

Kidding alerts

Behaviour changes as kidding approaches trigger an alert, so someone can be there for difficult births and newborn kids get colostrum on time.

Early illness detection

Falling rumination and activity flag a doe or buck that is going off feed before clinical signs are obvious, allowing earlier treatment.

Heat-stress management

Spot heat-stressed animals and adjust shade, water, ventilation and feeding times before milk yield and fertility suffer.

Herd location (optional GPS)

Track herds on browse, rangeland or large pastures and find animals that have strayed or separated from the group.

Feeding behaviour

Feeding and rumination time show how individual animals respond to ration changes, competition at the feed face, or a new forage source.

BENEFITS & RETURN ON INVESTMENT

- **Early illness detection** cuts vet costs and losses by getting treatment started sooner.
- **Accurate heat detection** supports better conception rates and a more predictable kidding season.
- **Healthier does** deliver higher, steadier milk yield for dairy and cheese operations.
- **24/7 monitoring** replaces routine manual checks and lowers labour, day and night.
- **Positive ROI** that grows with herd size, with no recharging for up to 5 years per collar.

Better together: smart collars + Greenfield hydroponic fodder

Rumination and feeding data give an objective, animal-by-animal view of how your herd responds when fresh hydroponic fodder is introduced — the same data that flags illness also documents intake and digestion on a GHI 8000 fodder program installed under a Greenfield Off-Take Agreement.

Ready to put smart collars on your goat herd?

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