



Farm sampling guide for cattle (Phase 1)

Basic collection protocols

1. Do not sample without written permission.
2. Pre-label all bags and water vials before collection.
3. Confirm the five designated cattle with farm staff.
4. Complete the Cattle history form.
5. Photograph cattle history records, if available.
6. Use clean disposable gloves. Change if contaminated.
7. Water: Collect 200 ml from up to 3 water sources used by the cattle
8. Fill water vials completely. Store at 4°C. Do not freeze.
9. Grass: identify up to 3 pasture fields used by the cattle.
10. Collect 3 bags of pasture grass per field, 5 m apart.
11. Air-dry grass for 48 hours. Keep samples with their matching bags.
12. Feed: Collect 2 full handfuls of up to 3 types of dry feed.
13. Photograph feed packaging with the sample UID visible.
14. Complete the Feed history form and photograph records if possible.
15. Do not collect hay, silage, wet or fermented feed
16. Wear required PPE and carry a first-aid kit.

Safety procedures

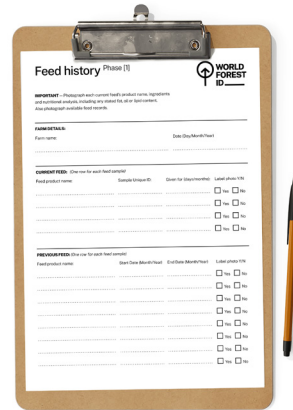
1. Follow farm safety, hygiene and biosecurity rules.
2. Clean boots and equipment between farms.
3. Leave cattle handling to trained farm staff.
4. Keep clear of cattle, vehicles and machinery.
5. Wear suitable boots, and PPE if requested by the farm.
6. Wear clean disposable gloves when handling samples.
7. Change gloves if contaminated or when changing sample type.
8. Always carry a first aid kit.



What you'll need



Supplied sample labels



Feed & cattle history forms



Waterproof marker pens



12x C4 paper bags



12 x 50 ml vials
(polypropylene)



3x Clear sealable bags



Clean disposable gloves



Silica gel sachets

Pre-label all sample bags

Pre-label the full sample set before collection. On site, use only the sample bags and vials needed for the pasture fields, water sources and feed types identified at the farm.



PASTURE GRASS



FEED WATER



DRY FEED

What you're collecting

FEED WATER

200 ml total per source.

Use vial(s) up to 200 ml.

e.g. 4 × 50 ml, 2 × 100 ml or 1 × 200 ml



PASTURE GRASS

3 samples per grazing site, at least 5 m apart. Fill each bag.

No hay or silage.

DRY FEED

2 full handfuls per feed type.

No grass, hay or silage.



Sample up to 3 of each

If possible, sample up to 3 sources for each sample type available at the farm



Do NOT collect these

Do not collect hay or silage. For feed samples, do not collect wet or fermented feed.



SILAGE



HAY



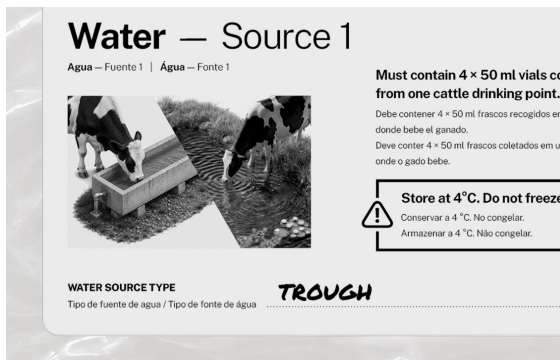
WET FEED

Feed water collection

1. Collect from up to 3 water sources used by the cattle.
2. Rinse each vial with source water, then fill completely. Collect 200 ml per source.



3. Write the water source type on the bag.
4. Place all vials from one source in the matching bag. Check all Unique ID numbers match.



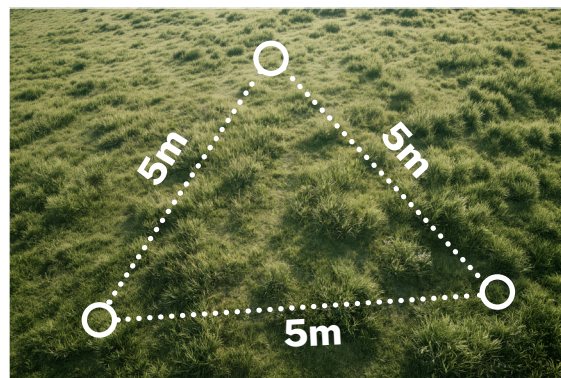
5. Refrigerate at 4°C as soon as possible. Do not freeze.



! STORE CHILLED AT 4°C. DO NOT FREEZE

Pasture grass collection

1. Identify up to 3 pasture fields used by the cattle.
2. Take 3 samples from each at least 5 m apart.



3. Fill the bag with grass. Avoid soil. Do not compress.
4. Air-dry for 48 hours. Keep each sample with its labelled bag.



5. Return each dry sample to its bag. Add silica gel if available.



 **DO NOT COLLECT HAY, SILAGE OR WET FEED**

Feed collection

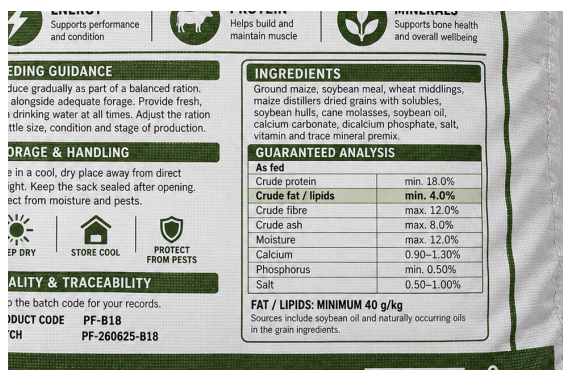
1. Collect 2 full handfuls of each dry feed type currently given to the cattle, up to 3 types.
2. Place each type in a separate labelled bag. Write the feed type / brand on the label.



3. Photograph the labelled sample bag with its feed packaging.
4. Photograph the front of the bag with the product name.



5. Photograph the ingredients and nutritional analysis, including fat / oil / lipid content.
6. Complete the Feed history form and photograph any available feed records.



Email the all feed photos to collections@worldforestid.org

Farm checklist

BEFORE SAMPLING

- ☐ Farm permission confirmed
- ☐ Five cattle identified
- ☐ Sample bags and water vials pre-labelled

COLLECT

- ☐ Up to 3 water sources (200 ml per source)
- ☐ Up to 3 pasture fields (3 grass samples per field)
- ☐ Up to 3 dry feed types (2 handfuls per type)

BEFORE LEAVING

- ☐ All sample IDs and labels checked
- ☐ Cattle and feed history forms completed
- ☐ Feed packaging and available records photographed

AT BASE

- ☐ Water refrigerated at 4°C. Do not freeze
- ☐ Grass air-dried for 48 hours and returned to matching bags
- ☐ Silica gel added to dried grass, if available
- ☐ Feed photographs emailed to World Forest ID
- ☐ Cattle and feed history forms sent to World Forest ID

Feed history (Phase 1)



IMPORTANT — Photograph each current feed's product name, ingredients and nutritional analysis, including any stated fat, oil or lipid content. Also photograph available feed records, and email to collections@worldforestid.org

FARM DETAILS:

Farm name:

Date (Day/Month/Year)

Record hay and silage in the feed history. Do not physically sample them

CURRENT FEED: (One row per feed, including hay and silage)

Feed type / product name:

Sample Unique ID:

Given for (days/months):

Pack photo Y/N

..... ☐ Yes ☐ No

..... ☐ Yes ☐ No

..... ☐ Yes ☐ No

..... ☐ Yes ☐ No

PREVIOUS FEED: (One row per feed, including hay and silage)

Feed type / product name:

Start Date (Month/Year)

End Date (Month/Year)

Pack photo Y/N

..... ☐ Yes ☐ No

..... ☐ Yes ☐ No

..... ☐ Yes ☐ No

..... ☐ Yes ☐ No

..... ☐ Yes ☐ No

..... ☐ Yes ☐ No

..... ☐ Yes ☐ No

..... ☐ Yes ☐ No

Cattle history (Phase 1)



IMPORTANT: Complete a separate record for each animal. Check its farm animal ID / ear tag number and breed. If the animal was born on this farm and has stayed here continuously, tick Yes and leave the history rows blank. Otherwise, tick No, or Unknown if unsure. List the animal's known farms or locations, oldest first, including this farm.

Farm name / reference:

Collection date (Day/Month/Year):

.....

ANIMAL 1

Farm animal ID / ear tag number:

Breed:

.....

Born on this farm and kept here continuously?

☐ Yes

☐ No

☐ Unknown

Farm / location

From (Month/Year)

To (Month/Year)

.....

.....

.....

ANIMAL 2

Farm animal ID / ear tag number:

Breed:

.....

Born on this farm and kept here continuously?

☐ Yes

☐ No

☐ Unknown

Farm / location

From (Month/Year)

To (Month/Year)

.....

.....

.....

Cattle history (Phase 1)



Complete each animal separately using the instructions on cattle history 1 of 2.

ANIMAL 3

Farm animal ID / ear tag number:	Breed:	
.....		
Born on this farm and kept here continuously?	☐ Yes	☐ No ☐ Unknown
Farm / location	From (Month/Year)	To (Month/Year)
.....		
.....		
.....		

ANIMAL 4

Farm animal ID / ear tag number:	Breed:	
.....		
Born on this farm and kept here continuously?	☐ Yes	☐ No ☐ Unknown
Farm / location	From (Month/Year)	To (Month/Year)
.....		
.....		
.....		

ANIMAL 5

Farm animal ID / ear tag number:	Breed:	
.....		
Born on this farm and kept here continuously?	☐ Yes	☐ No ☐ Unknown
Farm / location	From (Month/Year)	To (Month/Year)
.....		
.....		
.....		



worldforestid.org info@worldforestid.org

Copyright 2026 World Forest ID. All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the publisher.