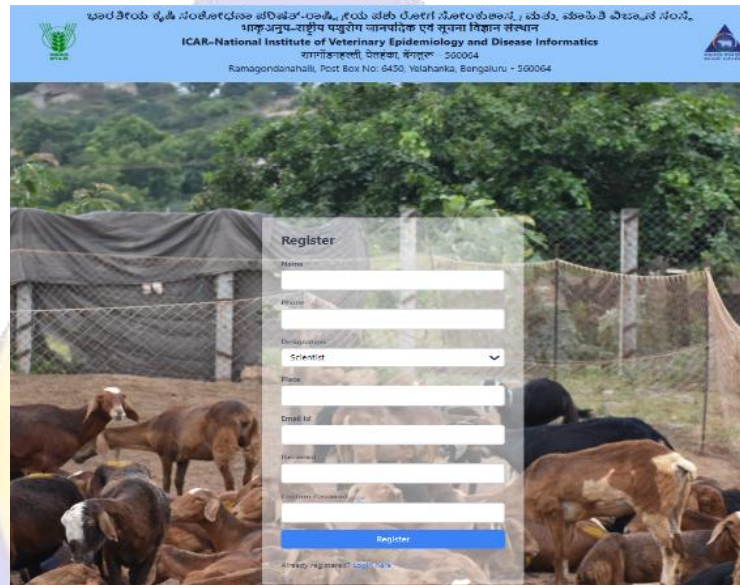


User Manual

1. Logging In

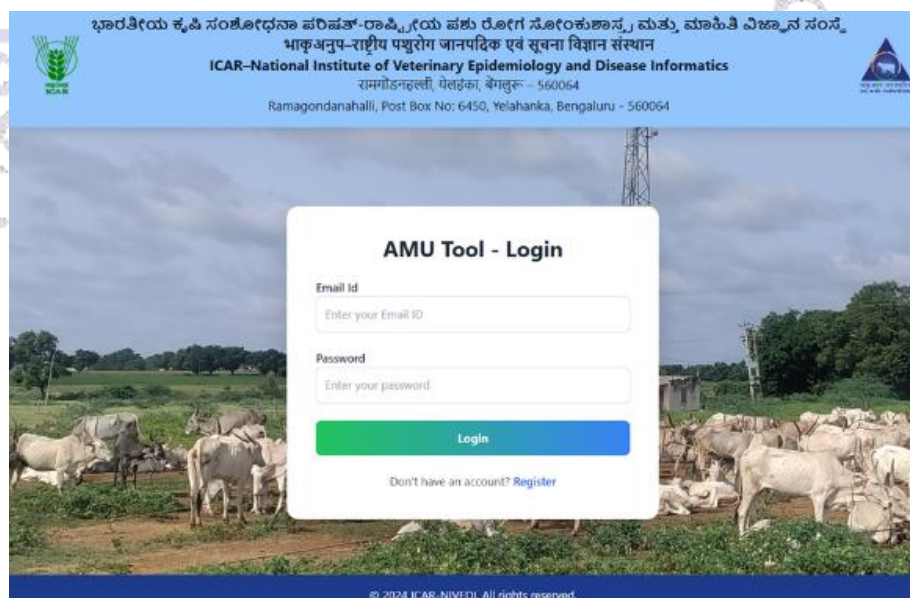
Q1: How do I register for the AMU Tool?

A: To register, go to the **registration page** and enter your details, including **name, phone number, designation, and place**. Enter your **Email ID** and **password**, create a strong password, confirm your password, will be automatically set as your **username and password**. and **submit** the form.

A screenshot of the ICAR registration form. The form is titled "Register" and is overlaid on a background image of a herd of cows in a field. The form fields include: Name, Phone, Designation (with a dropdown menu for Scientist), Place, Email Id, Password, and Confirm Password. A blue "Register" button is at the bottom of the form. The header of the page contains the ICAR logo and text in Kannada and English: "ಭಾರತೀಯ ಕೃಷಿ ಸಂಶೋಧನಾ ಪರಿಷತ್-ರಾಷ್ಟ್ರೀಯ ಪಶು ರೋಗ ಸಂಶೋಧನಾ ಮತ್ತು ಮಾಹಿತಿ ವಿಜ್ಞಾನ ಸಂಸ್ಥೆ" and "ICAR-National Institute of Veterinary Epidemiology and Disease Informatics".

Q2: What should I do after registering?

A: After successful registration, you will be redirected to the **login page**. Use your **registered email and password** to log in.

A screenshot of the ICAR AMU Tool login page. The page is titled "AMU Tool - Login" and is overlaid on a background image of a herd of cows in a field. The form fields include: Email Id (with a placeholder "Enter your Email ID") and Password (with a placeholder "Enter your password"). A green "Login" button is at the bottom of the form. Below the button is a link: "Don't have an account? Register". The header of the page contains the ICAR logo and text in Kannada and English: "ಭಾರತೀಯ ಕೃಷಿ ಸಂಶೋಧನಾ ಪರಿಷತ್-ರಾಷ್ಟ್ರೀಯ ಪಶು ರೋಗ ಸಂಶೋಧನಾ ಮತ್ತು ಮಾಹಿತಿ ವಿಜ್ಞಾನ ಸಂಸ್ಥೆ" and "ICAR-National Institute of Veterinary Epidemiology and Disease Informatics".

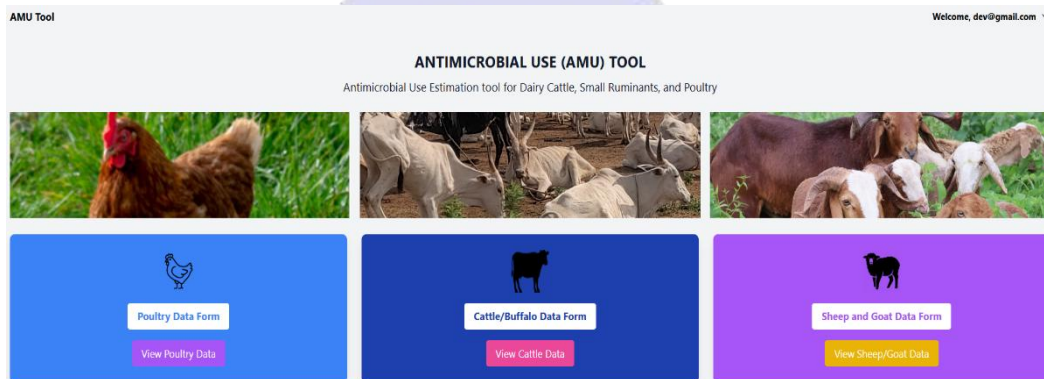
2. Selecting a Livestock Category

Q3: How do I start entering antibiotic usage data?

A: After logging in, you will be taken to the **Selection Page**, where you can choose one of the following categories:

- **Poultry**
- **Cattle/Buffalo**
- **Sheep & Goat**

Click on the desired category to proceed to the data entry form.



3. Data Entry

Q4: How do I enter antibiotic data?

A: After selecting your livestock category, you will be directed to the data entry form. If you select Poultry Data form, you will be directed to the **poultry data entry form**. Fill in all required fields and click **Submit** to save the data.

Poultry Data Entry Guide

Q5: What details do I need to enter if I select Poultry?

A: The following information is required:

- **Farm Information:**
 - Sample ID *
 - Farm Name *
 - Short Address (Panchayath) *
 - State, District, Block/Taluk, and Village *
 - Farm Number (ID) *
 - Farm Type (Backyard or Commercial)
 - Commercial Type (Extensive or Intensive)
- **Visit & Interview Details:**
 - Visit Number, Date of Visit, Period of Study

Antimicrobial Use (AMU) Tool

- Name of Interviewee, Role (Veterinarian, Farmer, Farm Owner)
- Contact Number, Email ID
- GPS Coordinates (Latitude & Longitude)

- **Flock & Health Details:**

- Poultry Breed (Rhode Island Red, Leghorn, etc.)
- Vaccination Status (Yes/No/Don't Know)
- Current Stage of Flock (Pre-stage, Starter, Grower, Finisher, Layer, Breeder)
- Veterinary Doctor Consultation (Yes/No/Don't Know)
- Mortality Rate (%)
- Total Number of Birds in the Current Flock *
- Number of Male Birds, Female Birds, Births, Deaths, and Sold Birds
- Birds Added, Birds Ended
- Average Weight of Bird (kg) *
- Average Feed Consumption (kg/day)
- Average Water Consumption (litters/day)

- **Antibiotic Usage:**

- Antibiotic Used (Yes/No/Don't Know)
- Remarks

Sample ID *		Farm Name *		Short Address (Panchayath) *	
Enter sample ID (Numbers only)		Enter farm name		Enter short address	
State *	District *	Block/Taluk *	Village *		
Select State	Select District	Select Block/Taluk	Select Village		
Visit No.	Date of Visit	Period of Study			
	dd-mm-yyyy	eg., 2023-09-20 to 2024-09-19			
Name of Person for Interview *		Role			
		<input type="radio"/> Veterinarian <input type="radio"/> Farmer <input type="radio"/> Farm Owner			
Contact No	Email ID	Latitude		Longitude	
Farm Number(ID) *	Farm Type	Commercial Type (if applicable)			
	<input type="radio"/> Backyard <input type="radio"/> Commercial	<input type="radio"/> Extensive <input type="radio"/> Intensive			
Poultry Breed					
<input type="radio"/> Rhode Island Red <input type="radio"/> Leghorn <input type="radio"/> New Hampshire <input type="radio"/> Giriraja <input type="radio"/> Cochin <input type="radio"/> Asil <input type="radio"/> Other					
Vaccination Status					
<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Don't Know					
Current Stage of Flock during Observation (Tick mark the relative box)					
Broiler		Layer		Breeder	
<input type="checkbox"/> Pre-stage phase (0-7/10 days of age)	<input type="checkbox"/> Starter (0-8 weeks of age)	<input type="checkbox"/> Starter (0-6 weeks of age)			
<input type="checkbox"/> Starter phase (0-7/10 - 21 days of age)	<input type="checkbox"/> Grower (8-20 weeks of age)	<input type="checkbox"/> Grower (6-24 weeks of age)			
<input type="checkbox"/> Finisher phase (21-42 days of age)	<input type="checkbox"/> Layer (20 weeks or above)	<input type="checkbox"/> Layer (24-72 weeks or above)			
Veterinary Doctor Consultation					
<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Don't Know					
Mortality Rate (%)	Total no. of birds present in current flock *	Number of Male Birds	Number of Female Birds		
Number of Birds Birth	Number of Birds Death	Number of Birds Sold	Number of Birds Added		
Number of Birds End	Average Weight of that bird (kg) *	Average Feed Consumption (kg/day)	Average Water Consumption (litres/day)		
	e.g., kg	e.g., kg	e.g., litres		
Antibiotic Used					
<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Don't Know					
Remarks					

Back Next

Submit & Next

Farm Indicators Poultry data

1. What is the purpose of this form?

Answer:

Once you submit the form next it will redirect to This form, is used to collect for calculating weight-based indicators at the farm level for medicated feed and water administration. Users can select the route (Feed or Water), input data for antibiotics, and track antibiotic usage and treatment details for the poultry flock.

2. How do I select the treatment route for my poultry data?

Answer:

You can select the treatment route by choosing either Feed or Water from the "Select Route" dropdown. If your poultry is treated through both routes, you can select both options.

3. What do I need to do after selecting the route?

Answer:

After selecting the route (Feed or Water), you will see an "Add Antibiotic" button. Click on this button to add an antibiotic. You will then be able to select an antibiotic from a dropdown list and input the relevant details for that antibiotic.

4. What information do I need to enter for Feed Antibiotics?

Answer:

For Feed Antibiotics, you need to enter the following details:

- Name of Active Ingredient: Select the antibiotic from the dropdown menu.
 - No. of Birds Treated: Enter the number of birds treated (e.g., 3).
 - Days of Treatment: Enter the number of days the birds were treated (e.g., 2).
 - Average Weight of Bird: Enter the average weight of the birds in kilograms (e.g., 20 kg).
 - Selected Dose: Enter the dose in mg/kg or ml/kg (e.g., 1 mg/kg).
 - Concentration of Active Ingredient: Enter the concentration in mg, mg/ml, or ml (e.g., 100 mg/ml).
 - Total Number of Birds in that Flock: Enter the total number of birds in that flock (e.g., 1000).
 - Medicated Rations Given per Stage: Enter the number of medicated rations given per stage (e.g., 5).
 - Total Rations Given per Stage: Enter the number of times the birds are given rations per day.
 - Total Days of that Flock in a Stage: Enter the total number of days the birds are in the treatment stage (e.g., 20 days).
-

5. What if I need to add another antibiotic for Feed?

Answer:

If you need to add another antibiotic for Feed, click the Add Antibiotic button again. You can repeat the same process to input additional antibiotics for the feed route.

6. How do I enter data for Water Antibiotics?

Answer:

For Water Antibiotics, the process is similar to Feed antibiotics. You need to enter the following:

- Name of Active Ingredient: Select the antibiotic from the dropdown menu.
- No. of Birds Treated: Enter the number of birds treated (e.g., 3).
- Days of Treatment: Enter the number of days the birds were treated (e.g., 2).
- Average Weight of Bird: Enter the average weight of the birds in kilograms (e.g., 20 kg).
- Selected Dose: Enter the dose in mg/kg or ml/kg (e.g., 1 mg/kg).
- Concentration of Active Ingredient: Enter the concentration in mg, mg/ml, or ml (e.g., 100 mg/ml).
- Total Number of Birds in that Flock: Enter the total number of birds in that flock (e.g., 1000).
- Medicated Rations Given per Stage: Enter the number of medicated rations given per stage (e.g., 5).
- Total Rations Given per Stage: Enter the number of times the birds are given rations per day.

- **Total Days of that Flock in a Stage:** Enter the total number of days the birds are in the treatment stage (e.g., 20 days).

7. How do I remove an added antibiotic?

Answer:

If you want to remove an antibiotic entry, click the Remove button next to the antibiotic you wish to delete. This will remove the antibiotic data from the form.

8. What are "Count-based Indicators" and what do I need to fill in?

Answer:

Count-based Indicators allow you to enter the following details related to the premix and feed:

- **Strength of Premix (mg/kg):** Enter the strength of the antibiotic premix in mg/kg.
- **Final Mixing Rate (kg of Premix):** Enter the final amount of premix used in kg.
- **Feed in (kg):** Enter the amount of feed in kg.
- **Active Ingredient Usage (Record Only):** Record the usage details, such as the total number of antibiotic pouches or bottles used.
- **Total Antibiotic Pouches/Bottles Used (No.):** Enter the total number of antibiotic pouches or bottles used.
- **Weight of Individual Pouch/Bottle (mg/gm):** Enter the weight of each pouch or bottle.
- **Concentration of Active Ingredient in Pouch/Bottle (mg/gm or mg/ml or %) :** Enter the concentration of the active ingredient in the pouch/bottle.

9. How do I submit the form after entering the data?

Answer:

Once all the required data has been entered for both Feed and Water antibiotics (if applicable), click on the Submit button at the bottom of the form. This will submit the data and, upon successful submission, redirect you to the next page or confirmation screen.

10. What happens after I submit the form?

Answer:

After submitting the form, you will be redirected to the next page where you can view a summary of the data you entered.

12. Is there a way to view a summary of all the entered data?

Answer:

Yes, after submission, a summary page will display the data you've entered, including the total antibiotic usage, flock details, and treatment information. You can view these details in a summarized format.

Data for calculation weight-based indicators at farm-level for medicated feed and through water administration.

☒ Feed
 ☐ Water

Feed Antibiotics

Feed Antibiotic Selection 1 Name of active ingredient(s) -- Select Antibiotic --	No. of Birds Treated(No.) No. Page 1	Days of Treatment(No.) No. Page 2	Average Weight of that bird(s) Eq. 10	Selected Dose (mg/kg) Eq. 11 (mg/kg)
Concentration of active ingredient(s): mg/kg or mg/ml or % or % w/v	Total no. Birds in that flock(No.) No. Page 3	Medicated Flockers given a stage(No.) No. Page 4	Total Flockers given a stage(No.) No. of birds per day	Total Days of that flock in a stage(No.) No. Page 20

Water Antibiotics

Water Antibiotic Selection 1 Name of active ingredient(s) -- Select Antibiotic --	No. of Birds Treated(No.) No. Page 1	Days of Treatment(No.) No. Page 2	Average Weight of that bird(s) Eq. 10	Selected Dose (mg/kg) Eq. 11 (mg/kg)
Concentration of active ingredient(s): mg/kg or mg/ml or % or % w/v	Total no. Birds in that flock(No.) No. Page 3	Medicated Flockers given a stage(No.) No. Page 4	Total Flockers given a stage(No.) No. of birds per day	Total Days of that flock in a stage(No.) No. Page 20

Count based Indicators

Strength of Premix (mg/kg)	Final mixing rate(kg of Premix)	Feed in(kg)
Active Ingredient Usage (Record Only)		
Total antibiotic pouches/bottle used(No.)	Weight of individual pouch/bottle(gm)	Concentration Active ingredient in pouch/bottle(gm or mg/ml or %)

Cattle/Buffalo Data Entry Guide

Q6: How do I enter cattle/buffalo antibiotic data?

A: Once you select Cattle/Buffalo, you will be directed to the **cattle/buffalo data entry form**. Fill in all required fields and click **Submit** to save the data.

Q7: What details do I need to enter if I select Cattle/Buffalo?

A: The following information is required:

- **Farm Information:**
 - Sample ID * (Numbers only)
 - Farm Name *Short Address (Panchayath) *
 - State, District, Block/Taluk, and Village *
 - Farm Number (ID) *
 - Farm Type (Housed, Pastured, Combination Systems)
- **Visit & Interview Details:**
 - Visit Number, Date of Visit, Period of Study
 - Name of Interviewee, Role (Veterinarian, Farmer, Farm Owner)
 - Contact Number, Email ID
 - GPS Coordinates (Latitude & Longitude)
- **Livestock & Health Details:**
 - Breed (Organized, Unorganized, Other)
 - Vaccination Status (Yes/No/Don't Know)
 - Current Stage of Livestock (Early lactation, Mid lactation, Late lactation, Dry Period)
 - Veterinary Doctor Consultation (Yes/No/Don't Know)
 - Mortality Rate (%)
 - Total Number of Cattle/Buffalo in Current Flock *
 - Number of Male Cattle/Buffalo, Female Cattle/Buffalo, Births, Deaths, and Sold Cattle/Buffalo
 - Cattle/Buffalo Added, Cattle/Buffalo Ended
 - Average Weight of Cattle/Buffalo (kg) *
 - Average Feed Consumption/Day (kg)
 - Average Water Consumption/Day (liters)
- **Antibiotic Usage:**
 - Antibiotic Used (Yes/No/Don't Know)
 - Remark

The form is titled 'Cattle/Buffalo Data Entry Form'. It contains the following sections and fields:

- Farm Information:**
 - Sample ID* (Numbers only)
 - Farm Name* Short Address (Panchayath)*
 - State* District* Block/Taluk* Village*
 - Farm Number (ID)*
 - Farm Type (Housed, Pastured, Combination Systems)
- Visit & Interview Details:**
 - Visit No.
 - Date of Visit (dd-mm-yyyy)
 - Period of Study (e.g., 2023-03-01 to 2024-03-31)
 - Name of Interviewee*
 - Contact No.
 - Email ID
 - Role (Veterinarian, Farmer, Farm Owner)
 - Latitude
 - Longitude
- Livestock & Health Details:**
 - Breed (Organized, Unorganized, Other)
 - Vaccination Status (Yes, No, Don't Know)
 - Current Stage of Livestock During Observation (Stage 1: Early lactation (0-4 months), Mid lactation (4-8 months); Stage 2: Late lactation (8-10 months), Dry Period (no lactation))
 - Veterinary Doctor Consultation (Yes, No, Don't Know)
 - Mortality Rate (%)
 - Total no. of Cattle/Buffalo present in current flock*
 - Number of Male Cattle/Buffalo
 - Number of Female Cattle/Buffalo
 - Number of Cattle/Buffalo Births
 - Number of Cattle/Buffalo Deaths
 - Number of Cattle/Buffalo Sold
 - Number of Cattle/Buffalo Added
 - Number of Cattle/Buffalo End
 - Average Weight of that Cattle/Buffalo during Observation* (kg)
 - Average Feed Consumption/Day (kg)
 - Average Water Consumption/Day (liters)
 - Antibiotic Used (Yes, No, Don't Know)
 - Remarks
- Antibiotic Usage:**
 - Antibiotic Used (Yes, No, Don't Know)
 - Remark

Buttons: Back, Submit & Next.

Farm Indicators Cattle/Buffalo Data

1. What is the purpose of this form?

Answer:

This form is used to collect and submit data for calculating weight-based indicators for medicated feed and injection administration in cattle or buffalo at the farm level. You will select the route (Oral or Injection), add antibiotics, and input relevant treatment details.

2. What should I do if I am entering data for a new sample?

Answer:

You should enter the Sample ID that you filled in the previous form. This ensures that all data is linked correctly across multiple forms.

3. How do I select the treatment route for my cattle/buffalo?

Answer:

You need to select the treatment route by choosing either Oral or Injection from the “Select Route” dropdown. If your cattle/buffalo were treated with both, you can select both options.

4. How do I enter data for Oral Antibiotics?

Answer:

For Oral Antibiotics, you need to fill in the following details:

- Name of Active Ingredient: Select the antibiotic from the dropdown menu.
- No. of Cattle/Buffalo Treated: Enter the number of cattle or buffalo treated (e.g., 3).
- Days of Treatment: Enter the number of days the cattle/buffalo were treated (e.g., 2).
- Average Weight of Cattle/Buffalo: Enter the average weight of the treated cattle/buffalo in kilograms (e.g., 20 kg).
- Selected Dose: Enter the dose in mg/kg or ml/kg (e.g., 1 mg/kg).
- Concentration of Active Ingredient: Enter the concentration in mg, mg/ml, or ml (e.g., 100 mg/ml).
- Total No. of Cattle/Buffalo in that Flock: Enter the total number of cattle/buffalo in the flock (e.g., 50).
- Total Medicated Rations Given per Stage: Enter the number of medicated rations given per stage (e.g., 5).
- Total Rations Given per Stage: Enter the number of times the cattle/buffalo are given rations per day (e.g., 2).
- Total Days of Flock in that Stage: Enter the total number of days the cattle/buffalo will stay in the treatment stage (e.g., 20 days).

5. How do I add another oral antibiotic if needed?

Answer:

To add another oral antibiotic, click on the Add Antibiotic button again. You can enter the details for the new antibiotic in the same way as the first.

6. How do I enter data for Injection Antibiotics?

Answer:

For Injection Antibiotics, the process is the same as for oral antibiotics:

- Name of Active Ingredient: Select the antibiotic from the dropdown menu.
- No. of Cattle/Buffalo Treated: Enter the number of cattle or buffalo treated (e.g., 3).
- Days of Treatment: Enter the number of days the cattle/buffalo were treated (e.g., 2).
- Average Weight of Cattle/Buffalo: Enter the average weight of the cattle/buffalo in kilograms (e.g., 20 kg).
- Selected Dose: Enter the dose in mg/kg or ml/kg (e.g., 1 mg/kg).

- Concentration of Active Ingredient: Enter the concentration in mg, mg/ml, or ml (e.g., 100 mg/ml).
- Total No. of Cattle/Buffalo in that Flock: Enter the total number of cattle/buffalo in the flock (e.g., 50).
- Total Medicated Rations Given per Stage: Enter the number of medicated rations given per stage (e.g., 5).
- Total Rations Given per Stage: Enter the number of times the cattle/buffalo are given rations per day (e.g., 2).
- Total Days of Flock in that Stage: Enter the total number of days the cattle/buffalo will stay in the treatment stage (e.g., 20 days).

7. How do I add another injection antibiotic if needed?

Answer:

To add another injection antibiotic, click on the Add Antibiotic button again. You can then input the details for the new injection antibiotic in the same way.

8. What if I need to remove an antibiotic entry?

Answer:

If you want to remove an antibiotic entry, click the Remove button next to the specific antibiotic. This will delete that particular entry from the form.

9. What are "Count-based Indicators" and what do I need to fill in?

Answer:

Count-based Indicators track the usage of antibiotic pouches or bottles and their contents:

- Total Antibiotic Pouches/Bottle Used: Enter the total number of antibiotic pouches or bottles used (e.g., 3).
- Weight of Individual Pouch/Bottle: Enter the weight of each antibiotic pouch or bottle in mg or gm (e.g., 500 mg).
- Concentration of Active Ingredient in Pouch/Bottle: Enter the concentration of the active ingredient in the pouch or bottle (e.g., 100 mg/gm or 5%).

10. What do I do if I want to reset the form?

Answer:

If you wish to reset the form and start over, you can click the Reset button. This will clear all the data entered in the form.

11. How do I submit the form after entering all the details?

Answer:

Once all the required data has been entered for oral and injection antibiotics (if applicable), click on the Submit button at the bottom of the form. This will submit the data and redirect you to the next page or confirmation screen.

12. What happens after I submit the form?

Answer:

After submitting the form, you will be redirected to the next page or a confirmation screen.

Antimicrobial Use (AMU) Tool

Sample ID
Enter same sample ID filled in previous form

Data for calculation weight-based indicators at farm-level for medicated feed and through water administration.

Select Route :
☒ Oral ☒ Injection

Oral Antibiotics
[Add Antibiotic](#)

Oral Antibiotic Selection 1 Name of active ingredient: -- Select Antibiotic --	No. of Cattle/buffalo Treated(No.): No, E.g. 3	Days of Treatment(No.): No, E.g. 2	Average Weight of that Cattle/buffalo(kg): E.g. 20	Selected Dose (mg/kg): 1mg/kg or 1ml/kg
Concentration of active ingredient(mg): mg/ml or mg/mm or ml or v/w%	Total No. of cattle/buffalo in that flock(No.): No, E.g. 3	Total Medicated Rations given a stage(No.): No, E.g. 5	Total Rations given a stage(No.): No. of times per day	Total Days of that flock in that stage(No.): No, E.g. 20

[Remove](#)

Injection Antibiotics
[Add Antibiotic](#)

Injection Antibiotic Selection 1 Name of active ingredient: -- Select Antibiotic --	No. of Cattle/buffalo Treated(No.): No, E.g. 3	Days of Treatment(No.): No, E.g. 2	Average Weight of that Cattle/buffalo(kg): E.g. 20	Selected Dose (mg/kg): 1mg/kg or 1ml/kg
Concentration of active ingredient(mg): mg/ml or mg/mm or ml or v/w%	Total No. of cattle/buffalo in that flock(No.): No, E.g. 3	Total Medicated Rations given a stage(No.): No, E.g. 5	Total Rations given a stage(No.): No. of times per day	Total Days of that flock in that stage(No.): No, E.g. 20

[Remove](#)

Count based Indicators

Total antibiotic pouches/bottle used(No.):	Weight of individual pouch/bottle(mg/gm):	Concentration Active ingredient in pouch/bottle(mg/gm or mg/ml or %):
--	---	---

[Back](#) [Reset](#) [Submit](#)

Sheep and goat Data Entry Guide

- Q7: How do I enter sheep/goat antibiotic data?**

A: Once you select Sheep/Goat, you will be directed to the **sheep/goat data entry form**. Fill in all required fields and click **Submit** to save the data.

- Q8: What details do I need to enter if I select Sheep/Goat?**

A: The following information is required:

- Farm Information:**
 - Sample ID * (Numbers only)
 - Farm Name *
 - Short Address (Panchayath) *
 - State, District, Block/Taluk, and Village *
 - Farm Number (ID) *
 - Farm Type (Organized, Migratory)
- Visit & Interview Details:**
 - Visit Number, Date of Visit, Period of Study
 - Name of Interviewee, Role (Veterinarian, Farmer, Farm Owner)
 - Contact Number, Email ID
 - GPS Coordinates (Latitude & Longitude)
- Livestock & Health Details:**
 - Breed (Exotic, Indigenous, Other)
 - Vaccination Status (Yes/No/Don't Know)
 - Current Stage of Livestock (Kid/Lamb, Nursing/Lactating, Weaning, Dry Period)
 - Veterinary Doctor Consultation (Yes/No/Don't Know)
 - Mortality Rate (%)
 - Total Number of Sheep/Goat in Current Flock *
 - Number of Male Sheep/Goat, Female Sheep/Goat, Births, Deaths, and Sold Sheep/Goat
 - Sheep/Goat Added, Sheep/Goat Ended

- Average Weight of Sheep/Goat (kg) *
- Average Feed Consumption/Day (kg)
- Average Water Consumption/Day (liters)
- **Antibiotic Usage:**
 - Antibiotic Used (Yes/No/Don't Know)
 - Remarks

Sample ID* Enter sample ID (Numbers only) Farm Name* Enter farm name Short Address (Panchayati)* Enter short address

State* Select State District* Select District Block/Taluk* Select Block/Taluk Village* Select Village

Visit No. dd-mm-yyyy Date of Visit dd-mm-yyyy Period of Study eg. 2023-09-20 to 2024-09-19

Name of Person for Interview* Role ☐ Veterinarian ☐ Farmer ☐ Farm Owner

Contact No. Email ID Latitude Longitude

Farm Number(SI)* Farm Type ☐ Original ☐ Migratory Breed ☐ Local ☐ Indigenous ☐ Other Vaccination Status ☐ Yes ☐ No ☐ Don't Know

Current Stage of Livestock During Observation

Livestock Type	Stage 1	Stage 2
GOAT / SHEEP	<input type="checkbox"/> All/Lamb up to 1 year <input type="checkbox"/> Nursing / Lactating (10 months) OR Slaughter	<input type="checkbox"/> Dry Period (2-3 months) <input type="checkbox"/> Weaning
Veterinary Doctor Consultation	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Don't Know	
Mortality Rate (%)	Total no. of Sheep/Goat present in current flock*	Number of Male Sheep/Goat
Number of Sheep/Goat Birth	Number of Sheep/Goat Death	Number of Female Sheep/Goat
Number of Sheep/Goat Sold	Number of Sheep/Goat Add	Number of Sheep/Goat Added
Number of Sheep/Goat End	Average Weight of that Sheep/Goat during Observation*	Number of Sheep/Goat Added
	Average Feed Consumption/Day	Average Water Consumption/Day
	eg. kg	eg. litre
Antibiotic Used	<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Don't Know	
Remarks		

Back **Next** **Submit & Print**

Farm Indicators Sheep and goat Data

1. What is the purpose of this form?

Answer: This form is used for collecting and submitting data to calculate weight-based indicators at the farm level for sheep and goat antibiotic administration. It supports two routes of administration:

- Oral Administration
- Injection Administration

Users can enter the details of antibiotic treatments, including the number of animals treated, dosage, and duration.

2. What is the Sample ID?

The Sample ID is a unique identifier assigned in the previous form.

3. Selecting the Route of Administration

Users must select the appropriate treatment method:

- Oral (Medicated feed or oral liquid administration)
- Injection (Intramuscular or subcutaneous injection)
- Both routes can be selected if required.

To proceed, click on the Add Antibiotic button under the respective section.

4. Filling in Oral Antibiotic Details

Steps:

1. Click on Add Antibiotic under the Oral Antibiotics section.
2. Select the Active Ingredient (Antibiotic Name) from the dropdown.
3. Enter the following details:
 - Number of sheep/goats treated: Enter the number of animals receiving treatment (e.g., 3).
 - Days of treatment: Enter the total number of days the antibiotic is given (e.g., 2).
 - Average weight of sheep/goat: Enter the weight in kg (e.g., 20).
 - Selected dose given (mg/kg or ml/kg): Enter the dosage per kg of body weight.

- Concentration of active ingredient: Enter the strength of the antibiotic (mg/ml, mg/mm, or v/w%).
 - Total number of sheep/goats in the flock: Enter the total flock size.
 - Medicated rations given at a stage: Enter the number of medicated rations provided (e.g., 5).
 - Total rations given at a stage: Enter the total rations per stage per day.
 - Total days of that flock in a stage: Enter the number of days the flock remains in that stage (e.g., 20).
4. Click Remove if you want to delete an antibiotic entry.

5. Filling in Injection Antibiotic Details

Steps:

1. Click on Add Antibiotic under the Injection Antibiotics section.
2. Select the Active Ingredient (Antibiotic Name) from the dropdown.
3. Enter the following details:
 - Number of sheep/goats treated: Enter the number of animals receiving treatment (e.g., 3).
 - Days of treatment: Enter the total number of days the antibiotic is given (e.g., 2).
 - Average weight of sheep/goat: Enter the weight in kg (e.g., 20).
 - Selected dose given (mg/kg or ml/kg): Enter the dosage per kg of body weight.
 - Concentration of active ingredient: Enter the strength of the antibiotic (mg/ml, mg/mm, or v/w%).
 - Total number of sheep/goats in the flock: Enter the total flock size.
 - Medicated rations given at a stage: Enter the number of medicated rations provided (e.g., 5).
 - Total rations given at a stage: Enter the total rations per stage per day.
 - Total days of that flock in a stage: Enter the number of days the flock remains in that stage (e.g., 20).
4. Click Remove if you want to delete an antibiotic entry.

6. Count-Based Indicators

Users must enter additional information regarding the antibiotic packaging:

- Total antibiotic pouches/bottles used: Enter the number of pouches or bottles consumed.
- Weight of individual pouch/bottle: Enter the weight of one pouch/bottle in mg or gm.
- Concentration of the active ingredient: Specify the concentration (mg/gm, mg/ml, or %).

7. Submitting the Form

Available Actions:

- Back: Navigate to the previous page.
- Reset: Clear all input fields.
- Submit: Save and submit the entered data.

Once submitted, the form will be processed, and the data will be recorded for further calculations.

Sample ID:

Enter some sample ID from a previous form

Data for calculation weight-based indicators at farm-level for medicated feed and through water administration.

Water Route: ☐ Oral ☒ Injection

Oral Antibiotics

[Add Antibiotic](#)

Oral Antibiotic Selection 1	No. sheep/goat treated(No.):	Days of Treatment(No.):	Average Weight of sheep/goats(No.):	Selected Dose given(mg/kg):
<input type="text"/>	No. Eq. 1	No. Eq. 2	No. Eq. 3	mg/kg or ml/kg
Concentration of active ingredient(No.):	Total No. of sheep/goat in that flock(No.):	Medicated Rations given a stage(No.):	Total Rations given a stage(No.):	Total Days of that flock in a stage(No.):
mg/ml or mg/mm or v/w%	No. Eq. 4	No. Eq. 5	No. of Rats per day	No. Eq. 6

[Remove](#)

Injection Antibiotics

[Add Antibiotic](#)

Injection Antibiotic Selection 1	No. sheep/goat treated(No.):	Days of Treatment(No.):	Average Weight of sheep/goats(No.):	Selected Dose given(mg/kg):
<input type="text"/>	No. Eq. 1	No. Eq. 2	No. Eq. 3	mg/kg or ml/kg
Concentration of active ingredient(No.):	Total No. of sheep/goat in that flock(No.):	Medicated Rations given a stage(No.):	Total Rations given a stage(No.):	Total Days of that flock in a stage(No.):
mg/ml or mg/mm or v/w%	No. Eq. 4	No. Eq. 5	No. of Rats per day	No. Eq. 6

[Remove](#)

Count based Indicators

Total antibiotic pouches/bottles used(No.):

Weight of individual pouch/bottle(mg/gm):

Concentration Active ingredient in pouch/bottle(mg/ml or mg/gm or %):

[Back](#) [Reset](#) [Submit](#)

Sheep & Goat Data Entry and Analysis - User Guidelines

1. Viewing Entered Data

How can I view the data I have entered?

1. Click on the **"View Sheep/Goat Data"** button.
2. You will see a table displaying the entered data, including:
 - Sample ID
 - Farm ID
 - Farm Name
 - Location details (State, District, Block/Taluk, Village, Short Address)
 - Total animals
 - Average weight
 - Route type (Oral or Injection)
 - Animals treated
 - Antibiotics used
 - Treatment duration
 - Antibiotic concentration
 - Dosage
 - Total antibiotics used
 - Antibiotics in mg/PCU
 - Percentage of animals treated
 - Medicated ration percentage
 - Treatment days percentage
3. To view all entered data across different forms, use the **"View Sheep & Goat Data"** button.
4. From the dropdown menu, select:
 - **"View Data Collection"** – Displays form entries.
 - **"View Farm Indicators Data"** – Shows farm-specific data related to antibiotic usage.

2. Downloading Data as CSV

How can I export the entered data for further analysis?

1. Click on the **"Save as CSV"** button.
2. The data will be downloaded in CSV format, which can be opened in Excel or other spreadsheet applications for further processing or regulatory reporting.

3. Viewing Calculation Results

How do I check the calculated results for antibiotic usage?

1. Click on the **"View Result"** button.
2. The system will display **calculated antimicrobial usage metrics**, including:

Subtotal of Oral Antibiotics

Parameter	Result
Total Quantity of antibiotic used (g)	(Calculated Value)
Antibiotics in mg/PCU (mg/kg)	(Calculated Value)
Total Animals Treated (%)	(Calculated Value)
Total Medicated Rations	(Calculated Value)
Total Treatment Days	(Calculated Value)

Subtotal of Injection Antibiotics

Parameter

Total Quantity of antibiotic used (g)

Antibiotics in mg/PCU (mg/kg)

Total Animals Treated (%)

Total Medicated Rations

Total Treatment Days

Result

(Calculated Value)

(Calculated Value)

(Calculated Value)

(Calculated Value)

(Calculated Value)

Overall Results**Parameter**

Overall Avg. Quantity of antibiotic used (g)

Overall Avg. Antibiotics in mg/PCU (mg/kg)

Overall Animals Treated (%)

Overall Medicated Rations

Overall Treatment Days

Result

(Calculated Value)

(Calculated Value)

(Calculated Value)

(Calculated Value)

(Calculated Value)

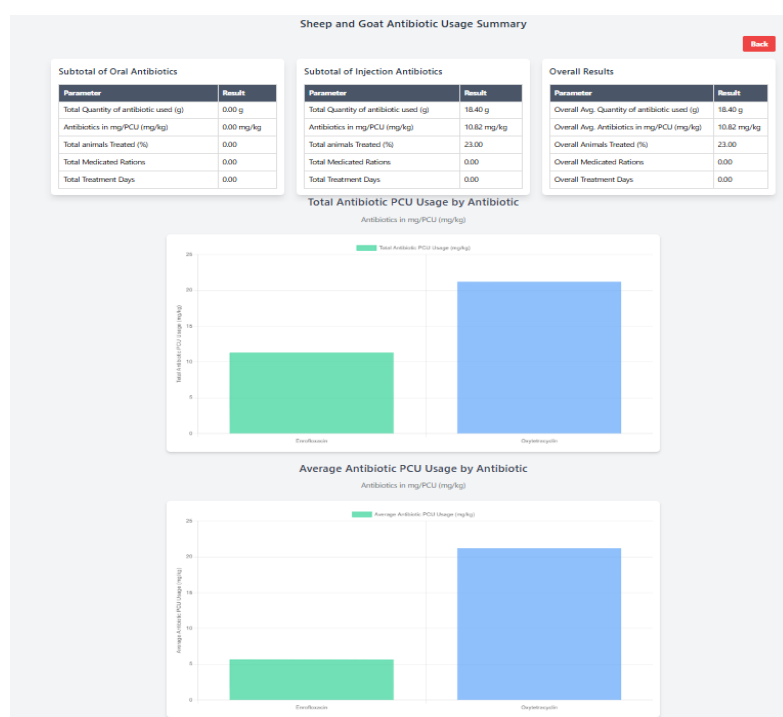
4. Visualizing Data with Graphs**How can I analyse the antibiotic usage trends using graphs?**

1. After clicking "**View Result**", scroll down to the graphical section.
2. The system will generate **interactive graphs** for:
 - **Total Antibiotic PCU Usage by Antibiotic**
 - **Average Antibiotic PCU Usage by Antibiotic**
3. These graphs allow users to easily interpret trends in antibiotic usage for better farm management decisions.

5. Navigating Back to Data Entry or Other Sections

- To return to the previous page, click the "**Back**" button.

To enter new antibiotic usage data, navigate back to the **Sheep & Goat Data Entry Form**.



Additional Questions

1. What is the purpose of the AMU Tool?

Answer:

The AMU Tool is designed to systematically estimate and visualize antimicrobial usage in Dairy Cattle, Small Ruminants (Sheep & Goat), and Poultry. It calculates key antimicrobial usage metrics and provides interactive graphs to help users monitor antibiotic usage trends on farms.

2. What are the key metrics calculated by the AMU Tool?

Answer:

The AMU Tool calculates the following key metrics:

1. **Total Quantity of Antibiotic Used (g)** – The total amount of antibiotics used on the farm.
2. **Antibiotics in mg/PCU (mg/kg)** – The amount of antibiotics used per population correction unit.
3. **Total Animals Treated (%)** – The percentage of animals treated with antibiotics.
4. **Total Medicated Rations** – The total amount of medicated feed or water given to animals.
5. **Total Treatment Days** – The total number of treatment days across all animals.

3. How does the tool process the entered data?

Answer:

Once the user enters antibiotic usage data, the tool automatically processes it to calculate the antimicrobial usage metrics and generates real-time insights into antibiotic consumption. This helps in analysing the usage trends and making informed decisions.

4. What types of data can be entered into the tool?

Answer:

The tool allows users to enter data for both **Oral and Injection** applications, as well as for **Water and Feed** applications. Users can input farm-level antibiotic usage details across these application types.

5. What is the significance of the Subtotal Calculations?

Answer:

The tool calculates subtotals for both **Oral Antibiotics** and **Injection Antibiotics** separately. These subtotals are important for understanding how much of each type of antibiotic is used on the farm. The **Overall Results** are also calculated across all application types, providing a comprehensive view of antibiotic usage.

6. Can I view and download the data entered into the AMU Tool?

Answer:

Yes, users can view the data they have entered into the tool and the farm indicators associated with it. Additionally, the data can be downloaded in **CSV format**, making it easy to analyse further or report to regulatory bodies.

7. How does the tool help in visualizing antibiotic usage trends?

Answer:

The AMU Tool includes interactive graphs that visualize the following:

- **Total Antibiotic PCU Usage by Antibiotic** – A graphical representation of the total antibiotic usage broken down by type.
 - **Average Antibiotic PCU Usage by Antibiotic** – A graph showing the average usage of each antibiotic, helping users quickly interpret the data and spot trends.
-

8. Is the tool suitable for all types of farming?

Answer:

Yes, the tool is designed to be used across three farming types: Dairy Cattle, Small Ruminants (Sheep & Goat), and Poultry. It can be used by any farm that uses antibiotics for animal treatment, providing tailored insights based on the specific farm type.

9. What kind of reports can be generated from the tool?

Answer:

The AMU Tool can generate reports based on the entered data and the calculated antimicrobial usage metrics. These reports include detailed insights into the antibiotic usage per application type (oral, water, feed) and overall antibiotic usage on the farm. Users can also download the data in CSV format for further analysis or reporting.

10. How does the tool assist with regulatory compliance?

Answer:

The AMU Tool helps farmers comply with regulations by providing accurate data on antibiotic usage, including detailed records of **Total Antibiotic Usage**, **Antibiotics in mg/PCU**, and **Total Animals Treated**. These reports can be used for auditing purposes or for reporting to regulatory bodies overseeing antimicrobial use in farming.

11. How can I get help if I encounter issues with the AMU Tool?

Answer:

For assistance, users can contact the support team via the **Contact Us** page on the AMU Portal. Additionally, the tool includes a **contact information** section that provides for technical issues, users can contact the technical support team.

12. How can I export my data from the AMU Tool?

Answer:

To export the data, navigate to the data view page and click the **Download** button. The data will be exported in CSV format, allowing you to open it in spreadsheet software for further analysis.

13. Can I track antibiotic usage across multiple farms?

Answer:

Yes, the tool is designed to track antibiotic usage at the farm level. Users can input data for multiple farms and view aggregated reports to track usage trends across different locations. This feature is helpful for managing large-scale operations or networks of farms.

14. How secure is the data entered into the AMU Tool?

Answer:

The AMU Tool ensures data security by utilizing encryption and secure storage methods. Only authorized users can access farm-specific data, and user login credentials are required for accessing the tool, ensuring that sensitive information is protected.
