



**Farm Grid**

# Antibiotics Resistance

Public health view

# Introduction

Antibiotics are medicines used to prevent and treat bacterial infections.

Antibiotic resistance occurs when bacteria change in response to the use of these medicines.

Antibiotic resistance may occur naturally but recently the misuse of antibiotics in livestock production contributes greatly to its occurrence.

# Implications

A growing number of infections such as pneumonia, tuberculosis, gonorrhoea, and typhoid are becoming harder to treat as the antibiotics used to treat them become less effective.

Antibiotic resistance leads to higher medical costs, prolonged hospital stays, and increased death rate

Without urgent action, we are heading for a post-antibiotic era, in which common infections and minor injuries can once again kill

## Prevention and control of antibiotic resistance ( WHO recommendation)

Only give antibiotics to animals under veterinary supervision.

Do not use antibiotics for growth promotion or to prevent diseases in healthy animals.

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Vaccinate animals to reduce the need for antibiotics and use alternatives to antibiotics when available. Promote and apply good practices at all steps of production and processing of foods from animal and plant sources.

Improve biosecurity on farms and prevent infections through improved hygiene and animal welfare.

Note: When infections can no longer be treated by first-line antibiotics, more expensive medicines must be used. A longer duration of illness and treatment, often in hospitals, increases health care costs as well as the economic burden on families and societies

# How Can Farm Grid Help

If you are registered with us, you will get access to

- Guides on how to use antibiotics
- Alternative remedies for livestock diseases
- Guides on organic livestock production
- Free visits to your farm
- Guides on biosecurity
- Connect to other organic farmers

## About Us

Farm Grid is an agricultural organization that promotes One health by offering free services to rural farmers in Africa

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