

# BRUNEI DARUSSALAM

## Country report on pesticides in feed

### FAMIC Virtual Training on Analysis of Pesticides in Feed

1 February 2023

DEPARTMENT OF AGRICULTURE AND AGRIFOOD  
BRUNEI DARUSSALAM



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Organisation  
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Founded as OIE

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de la santé  
animale  
Fondée en tant qu'OIE

Organización  
Mundial  
de Sanidad  
Animal  
Fundada como OIE



## Role of Organization

DEPARTMENT OF AGRICULTURE AND AGRIFOOD

Livestock Industry and Veterinary Services Division

Veterinary Public Health Unit

Livestock feed (poultry) is monitored under the Quality Control and Hygiene Monitoring Program for:

1. Nutrition and Toxicology;
2. Drug Residue (Chloramphenicol); and
3. Animal protein contamination.

Veterinary Laboratory Services Unit

As a National Veterinary Laboratory providing analysis to support programs under the Livestock Industry and Veterinary Services Division.



## Feed Regulation

- Currently, there is no sole Animal Feed Regulation established for the country.
- However, under the Animal (Farm Licensing) Regulations, there is a condition of livestock product (raw chicken/beef/table eggs) to be within regulatory limits/MRL for Veterinary Drugs.
- Current veterinary condition for approved importation of plant-based animal feed is no contents of MBM and fishmeal only.

## Laboratory Involvement

- Veterinary Laboratory Services Unit has the capacity to perform analysis for feed including:
  - i. Determination of Nutritional value;
  - ii. Detection of Toxins – Aflatoxins;
  - iii. Drug Residue – Chloramphenicol;
  - iv. Gross Calorific Values; and
  - v. Animal species identification for detection of animal protein.
- The laboratory has recently acquired new machineries: LC-MS/MS and HPLC to expand testing to multi-drug and multi-mycotoxins detection for animal feed, and currently developing the test methods.

## Local Feed Mills

- Currently, there is only 2 main livestock feedmills in Brunei Darussalam.
- Majority of livestock feed is imported, including importation of raw materials for the milling which are sourced from other countries including Malaysia, Thailand, Argentina, USA, India and many more.



## Challenges

- Establishing Animal Feed Regulation and developing baselines for residues as standards in animal feed.
- Developing test methods and validation on the determination of pesticides suited for animal feed safety requirement in Brunei Darussalam.