

SRI LANKA

Current Status of Animal Feed Industry in Sri Lanka

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Sri Lanka – at a glance



- Known as “ Pearl of Indian Ocean
- Population – 21 million
- Total area - 65,610 km², with 64,740 km² of land and 870 km² of water
- Multi ethnic, multi religious country
- Main language is **Sinhala**
- Main religion is **Buddhism**

Livestock & Poultry Industries in Sri Lanka

- Livestock rearing is mainly a rural livelihood activity
- Livestock Industry is a rapidly growing industry
- Poultry is well developed industry in Sri Lanka
- Contribution of livestock & poultry sector to the total GDP is 1.0%
 - Contribution of different subsectors to the GDP of livestock sector
 - Dairy - 0.17%
 - Chicken meat - 0.39%
 - Egg - 0.07%
 - Beef - 0.08 %
 - Mutton - 0.01%
 - Pork - 0.03 %

Livestock & Poultry Industries in Sri Lanka

Livestock & Poultry Population in Sri Lanka (2015 - 2017)

Species	Poultry (million)	Cattle/Buffalo (million)	Goat	Swine
2015	34.76	1.6	358,233	94,612
2016	36.72	1.8	470,294	124,880
2017	41.00	1.8	512,978	154,908

Production of Livestock & Poultry Products (2015 - 2017)

Product	Chicken Meat ('000 MT)	Egg (million)	Milk Production (million L)	Mutton ('000 MT)	Pork (MT)
2015	164.45	2294	403.2	1.35	7180
2016	182.69	2304	454.6	1.40	7280
2017	200.98	2856	482.6	1.74	7890

Livestock & Poultry Industries in Sri Lanka

Per Capita Availability of Livestock & Poultry Products (2016 - 2017)

Product	Chicken Meat (Kg/yr)	Egg (number/yr)	Milk & Milk products (l/yr)	Beef (kg/yr)	Mutton (kg/yr)	Pork (Kg/yr)
2015	7.82	109.05	48.56	1.53	0.09	0.34
2016	8.56	108.43	55.48	1.49	0.09	0.34
2017	9.29	132.90	56.00	1.39	0.12	0.37

Source : Livestock Statistical Bulletin – 2017, DAPH

Animal Feed Industry in Sri Lanka

- Well developed industry in Sri Lanka
- Majority of feed produced are poultry feed
- About 50 Department (DAPH) registered feed/premix manufacturers are available
 - Animal Feed manufacturers - 30
 - Premix producers - 20
- In addition, there are some self feed mixing farmers also available (Self mixers) and most of them are not registered

Categorization of Feed Manufacturers

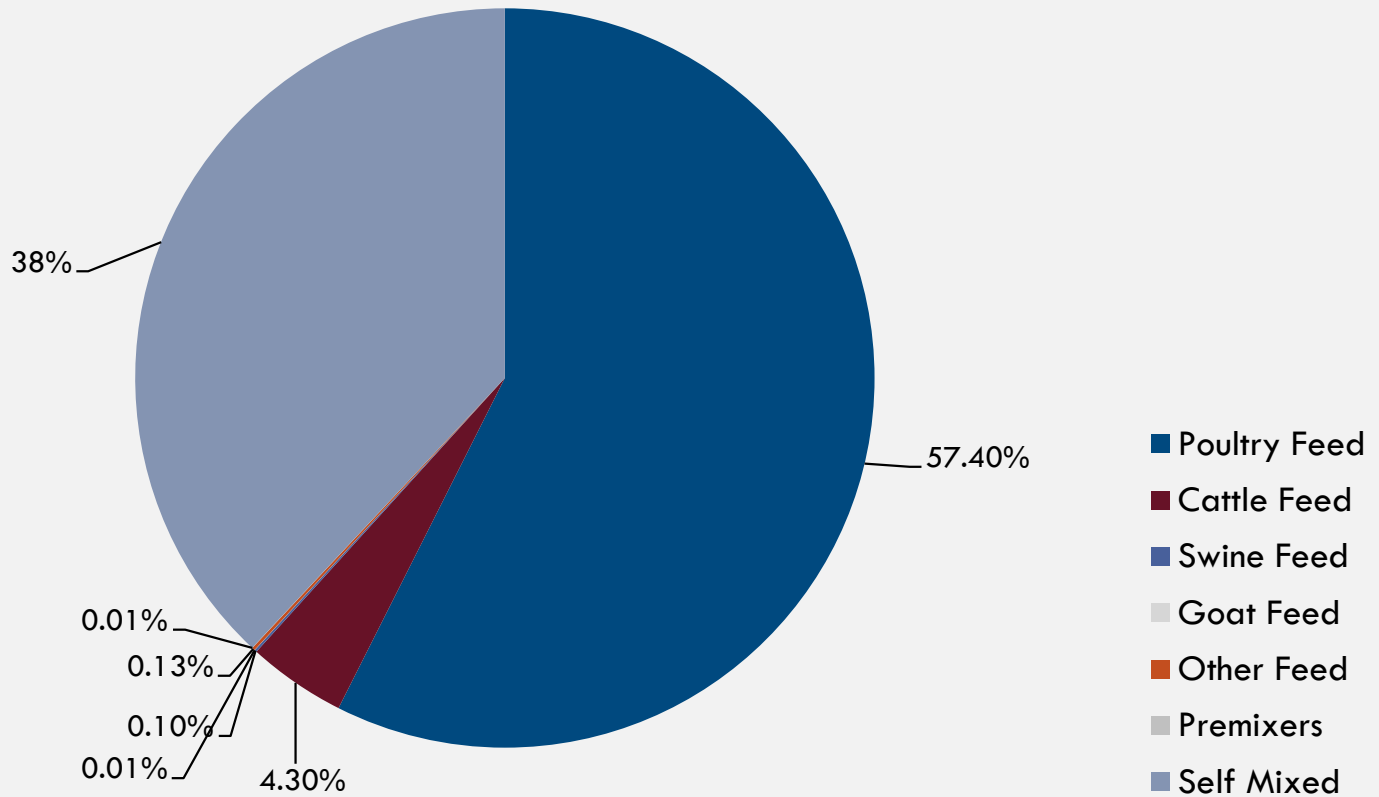
- Registered animal feed manufacturers can be categorized according to their production

Level	Production (MT/Month)	Number
Large Scale	> 10,000	1
Medium Scale	5,000 – 10,000	4
Small Scale	< 5,000	Rest

Animal Feed Production

Type of Feed	2015	2016	2017	As a %
Poultry Feed ('000 MT)	501.82	620.31	678.19	57.4
Cattle Feed ('000 MT)	30.54	40.85	51.28	4.3
Swine Feed ('000 MT)	2.70	2.26	1.14	0.1
Goat Feed ('000 MT)	0.46	0.11	0.09	0.008
Other ('000 MT)	0.68	0.60	1.48	0.13
Premixers ('000 MT)	0.77	0.98	0.16	0.01
Self Mixed ('000 MT)	396.0	413.54	450.13	38.0
TOTAL FEED PRODUCTION	932.97	1,078.65	1,182.47	

Animal Feed Production



Raw Material Usage



Major ingredients used for feed production

- Energy supplements - Maize, Rice and Rice by products (Broken rice, Rice polish/Rice bran)
 - Protein supplements - Soya bean meal, Fish meal, Coconut meal , Sesame meal
 - Mineral supplements – Di Calcium Phosphate, Calcite, Shell grit
 - Other feed additives
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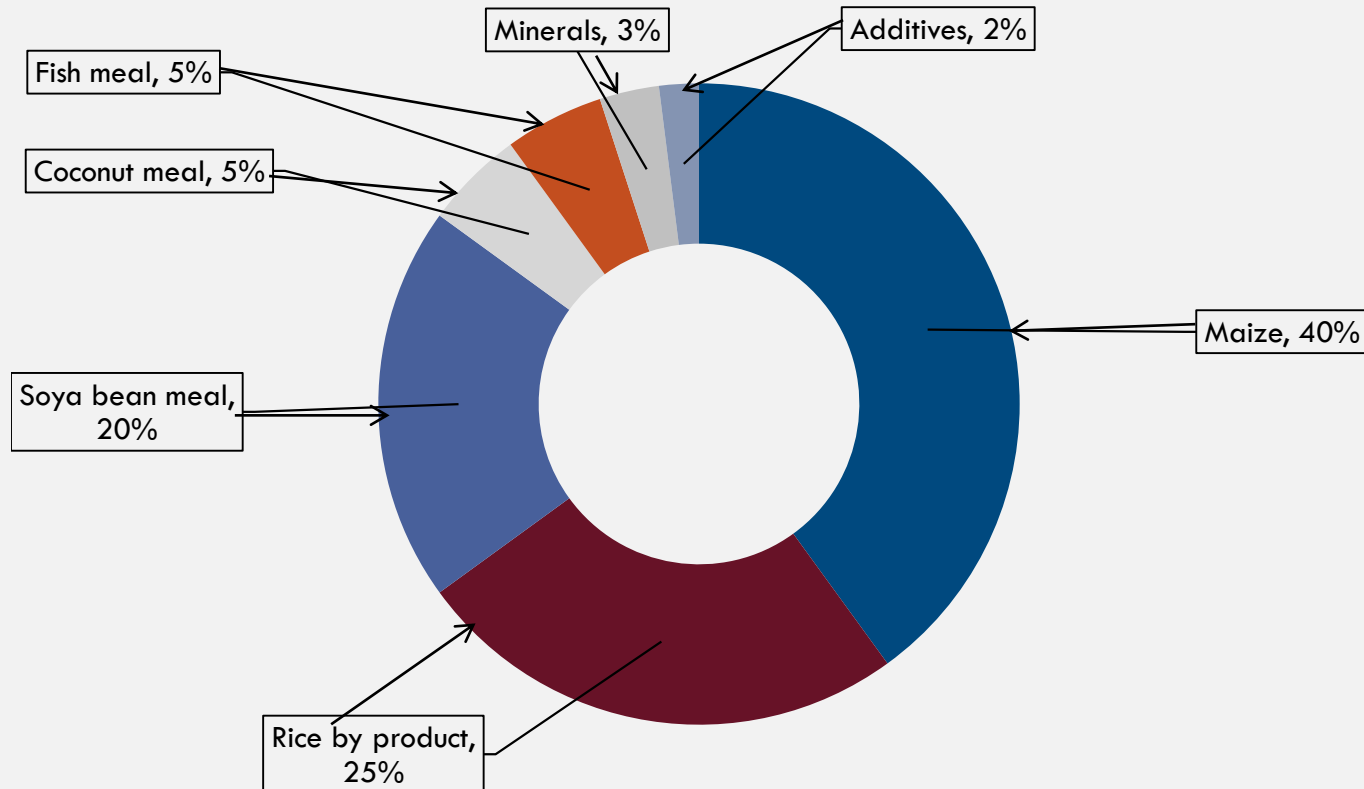
Raw Material Usage

Most of the Major raw materials use for feed production are imported

Feed Ingredients	Local	Imported
Maize	30%	70%
Broken Rice	100%	
Rice Polish	100%	
Coconut meal	100%	
Soya Bean Meal		100%
Sesame Meal	100%	
Fish Meal		100%
Minerals	50%	50%
Additives	25%	75%

Feed Formulation

Most of feed rations are formulated according to the NRC standards and standards based on local conditions



Typical Feed Formula (Poultry)

Legislation on Feed Production

There are legislation to **regulate, supervise and control** the **manufacture, sale, importation and distribution** of animal feed/feed ingredients in Sri Lanka

Main legislative documents

- Animal Feed Act No.15 of 1986
- Regulations to the Act (1996.04.25)
- Amendments to the Animal Feed Act No.15 of 1986
(Animal Feed (Amendments) Act No.15 of 2016)

Animal Feed Act

- Registration of
 - Animal feed manufactures
 - Feed, feed ingredient, feed additive importers
 - Feed, feed ingredient, feed additive distributors
 - Self mixers
- Quality assurance of animal feed & feed ingredients
- Monitor & maintain the standards of animal feed and feed ingredients which has direct influences on safety of animal originated food which is the main public health concerns

Animal Feed Act


To implement the activities of animal feed act

- Registrar (Animal Feeds) – Licensing Authority
- Animal Feed Advisory Committee (AFAC)
 - Director General/Animal Production & Health (Chairman)
 - 5 Animal Nutritionists
 - 1 Animal Feed Industry Representative
 - Registrar (Animal Feeds)
- Authorised Officers – Inspection, monitoring
- Authorised and Reference Laboratories – Quality Assurance

- Decision
- Recommendation
- Advice

Constraints



- No proper monitoring system in feed industry
 - Inadequate laboratory facilities for quality assurance and residue analysis
 - Lack of accredited nutrition laboratories
 - Lack of verification system among laboratories (Proficiency Testing Programs)
 - Lack of knowledge of farmers on nutrition, biosecurity etc.
 - Negligence of Farmers on those aspects
 - Use of therapeutic antibiotics in feed (Tylosin, Amoxycillin) without proper consultation
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Future Plans/Activities

- Strengthening the monitoring system by increasing authorised officers
 - Further strengthening and conduct awareness programs for all stakeholders in livestock & feed Industry
 - Develop available authorised laboratory at VRI, DAPH as National Level Accredited laboratory (Nutrition) with the facilities of quality assurance and residue analysis
 - Develop Proficiency Testing Programs among available laboratories
 - Develop programs for prudent use of therapeutic antibiotics
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Future Plans/Activities



- Implement the National Action Plan for combating Antimicrobial Resistance in Sri Lanka
- Registration of all self mixing feed producers and farmers



Thank you