

DRAFT UGANDA STANDARD

First Edition
2017

Dairy Cattle feed premix — Specification

PUBLIC REVIEW DRAFTS



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The Executive Director
Uganda National Bureau of Standards
P.O. Box 6329
Kampala
Uganda
Tel: +256 414 333 250/1/2/3
Fax: +256 414 286 123
E-mail: info@unbs.go.ug
Web: www.unbs.go.ug

Foreword

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The work of preparing Uganda Standards is carried out through Technical Committees. A Technical Committee is established to deliberate on standards in a given field or area and consists of key stakeholders including government, academia, consumer groups, private sector and other interested parties.

Draft Uganda Standards adopted by the Technical Committee are widely circulated to stakeholders and the general public for comments. The committee reviews the comments before recommending the draft standards for approval and declaration as Uganda Standards by the National Standards Council.

The committee responsible for this document is Technical Committee UNBS/TC 2, Food and Agriculture, Subcommittee SC 9, *Animal feed and feeding stuff*.

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Dairy cattle feed premix — Specification

1 Scope

This Draft Uganda Standard specifies requirements for compounded dairy cattle feed premix used in animal feeds.

2 Normative references

The following referenced documents referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6497, Animal feeding stuffs – Sampling

CAC.RCP 53, Codex code of practice on good animal feeding

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

Premix

concentrated mixture of vitamins, trace minerals and diluents. It may contain other feed additives such as amino acids or medicaments.

3.2

Compound feeds

mixture of feedstuffs blended from various raw materials and additives as a concentrate energy, protein, trace elements for dairy cattle.....

3.3

Dairy calves

Young dairy cattle up to 3 months of age.

3.4

Weaners

Young Dairy cattle between age 3 and 10 months.

3.5

Heifers

Female dairy cattle 10months up to the point of 1st calving.

3.6

Mature Dairy cows

adult female cattle especially bred and kept for milk production, and have calved at least once

4 Quality requirements

4.1 Raw materials

4.1 FORM/PRESENTATION

Premix shall be a fine powder, granular or liquid.

4.2 The Premix shall be free from harmful constituents, metallic objects, adulterants, moulds, pathogenic micro-organisms or insect infestation and free from fermented, musty, rancid or uncharacteristic odour.

4.3 The animal feed premix shall contain the following nutrients.

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Table of nutrients levels for lactating dairy cattle feed premix

Quality materials	Breeder	Grower	Chick & Duck	Layer	Broiler
Vitamin A	15,000,000 IU	8,500,000	12,500,000 IU	10,000,000 IU	15,000,000 IU
Vitamin D3	3,000,000 IU	2,000,000 IU	2,500,000 IU	2,000,000 IU	3,000,000 IU
Vitamin E	30,000 IU	8,000IU	10,000 IU	20,000 IU	25,000 IU
Vitamin K	3,000 mg	2,000 mg	1,000 mg	2,000 mg	2,250 mg
Vitamin B1	2,000 mg	1,500 mg	2,000 mg	2,000 mg	2,500 mg
Vitamin B2	5,000 mg	5,000 mg	3,000 mg	3,000 mg	5,000 mg
Biotin	75 mg	20 mg	50 mg	50 mg	60 mg
Folic acid	1,500 mg	1,000 mg	1,200 mg	1,200 mg	1,500 mg
Iron	48,000 mg	50,000 mg	30,000 mg	30,000 mg	300 mg
Cobalt	900 mg	10,000 mg	200 mg	300 mg	40,000 mg
Copper	7,500 mg	100 mg	4,000 mg	8,000 mg	750 mg
Manganese	60,000 mg	5,000 mg	80,000 mg	80,000 mg	100,000 mg
Vitamin B6	6,000 mg	3,000 mg	3,000 mg	2,000 mg	5,000 mg
Vitamin B 12	25 mg	10 mg	12 mg	12 mg	20 mg

Pantothenic	13,000 mg	6,000 mg	5,000 mg	2,000mg	10,000 mg
Niacin	30,000 mg	22,000 mg	20,000 mg	18,000 mg	25,000 mg
Choline-cl	300,000 mg	-	250,000 mg	60,000 mg	300,000 mg
Zinc	60,000 mg	5,000 mg	50,000 mg	60,000 mg	50,000 mg
Iodine	1,500 mg	5,000 mg	1,000 mg	1,500 mg	1,250 mg
Selenium	450 mg	10,000 mg	100 mg	100 mg	250 mg
Antioxydants	qs	500 mg	qs	qs	qs
Carrier	qs	100 mg	qs	qs	qs

ii) Vitamin B12 may substitute cobalt at a minimum rate of 3000 µg/kg to represent 100 µg/kg of cobalt with no upper limit.

5 Food additive

Only the food additives permitted in US 45 for food additives may be used

6 Hygiene

Cattle feed premix shall be produced and handled in accordance with CAC/RCP 54

7. PACKAGING

7.1 Packaging

7.1 Dairy cattle feed premix for sale shall be packed in containers which are of sufficient strength and sufficiently sealed so as to withstand reasonable handling without tearing, bursting or falling open during normal handling and transportation.

7.2 Each container for feed premix shall be new, clean and free from visible indications of contamination, infection and insect infestation.

8 Weights and measures

9 Labelling

In addition to the requirements in US EAS 38, the following specific labelling requirements shall apply and shall be legibly and indelibly marked

- i. Name of product; as “cattle feed premix” or x premix where x is the stage
- ii. Category of cattle for which it is intended;
- iii. Net Weight in metric units;
- iv. Batch number;
- v. Name and physical address of the manufacturer;
- vi. Date of manufacture and expiry/best before date
- vii. Nutrient declaration:-
- viii. Instructions for use and storage
- ix. Country of origin;
- x. The statement “cattle Food”;
- xi. Storage conditions

10. Sampling

Dairy cattle feed premix shall be sampled in accordance to ISO 6497

Bibliography

- [1] KS 2500, *Cattle feed premixes specification*

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Certification marking

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