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Government Notice No. 55

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# NAFDAC (ANIMAL FEED PREMIX LABELLING) REGULATIONS, 2024



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S. I. No. 50 of 2024

## NAFDAC (ANIMAL FEED PREMIX REGISTRATION) REGULATIONS, 2024

[16th Day of October, 2024]

Commence-  
ment

In exercise of the powers conferred on the Governing Council of the National Agency for Food and Drug Administration and Control (“the Governing Council”) by section 30 of the National Agency for Food and Drug Administration and Control Act, Cap. N1, LFN, 2004 and section 12 of the Food, Drugs and Related Products (Registration, Etc.) Act, Cap. F33, LFN, 2004 and all other powers enabling it in that behalf, the Governing Council, with the approval of the Minister, makes the following Regulations —

### PART I — OBJECTIVE AND APPLICATION

1. These Regulations provide regulatory framework for the registration of Animal Feed Premix manufactured, exported, imported, advertised, distributed, sold or used in Nigeria.

Objective

2. These Regulations shall apply to Animal Feed Premix manufactured, imported, exported, advertised, sold, distributed or used in Nigeria.

Application

### PART II — APPLICATION FOR REGISTRATION, LABELLING OF ANIMAL FEED PREMIX, ADVERTISEMENT OF ANIMAL FEED PREMIX, TRACE MINERALS AND VITAMINS REQUIREMENTS, MAXIMUM LIMITS OF CONTAMINANTS, PACKAGING, ETC.

3.—(1) An application for animal feed premix registration shall be accompanied with —

Application  
for  
registration  
of animal  
feed premix

(a) particulars and description of the animal feed premix named in the application;

(b) the evidence of payment of fee as may be prescribed by the Agency; and

(c) other relevant documents prescribed by the Agency, from time to time.

(2) The particulars and description of the animal feed premix referred to in subregulation (1) (a) of this regulation shall consist of administrative and technical information to allow the Agency make informed decision on the product.

(3) Where the Agency considers the application for registration to be satisfactory, the applicant shall be issued a Certificate of Registration.

(4) Where the application for registration is unsatisfactory, the Agency shall refuse the application and inform the applicant in writing, stating the reason for the refusal.



(5) Registration of animal feed premix under these Regulations shall be for a period of five years and may be renewed.

(6) Notwithstanding the provisions of subregulation (5) of this regulation, the Agency may suspend or cancel any Certificate of Registration in accordance with regulation 8 of these Regulations.

(7) The Agency shall, from time to time, publish on its official website, the list of registered animal feed premix.

(8) The Agency may refuse an application for registration, where the —

(a) procedure used for manufacturing, processing and packaging an animal feed premix is not adequate to reliably preserve and ensure its identity, strength, quality, and purity;

(b) laboratory report for the product is not satisfactory;

(c) Good Manufacturing Practice inspection report is not satisfactory;

(d) field trial report is not satisfactory;

(e) product labelling of the animal feed premix contravenes the Agency's Animal Feed Premix Labelling Regulations; or

(f) animal feed premix does not meet any other requirement prescribed by the Agency.

4. The labelling of animal feed premix shall be in accordance with the Agency's Animal Feed Premix Labelling Regulations.

5. The advertisement of animal feed premix shall be in accordance with the Agency's Animal Feed Premix Advertisement Regulations.

6. Animal feed premix shall be formulated to meet the requirements for animals as specified in the First to Tenth Schedule to these Regulations.

7. Animal Feed Premix shall not contain contaminants in amounts and in such a form that shall be harmful to the health of the animals and shall not contain contaminants in excess of the quantity specified in the Eleventh and Twelfth Schedules to these Regulations.

8.—(1) The Agency may suspend, withdraw or cancel the Certificate of Registration of an Animal Feed Premix, where —

(a) the grounds upon which the Animal Feed Premix was registered is false or incomplete ;

(b) the circumstances under which the Animal Feed Premix is registered no longer exist;

(c) any of the conditions or undertaking under which the Animal Feed Premix is registered is contravened;

Labelling of  
animal feed  
premix

Advertisement  
of animal  
feed premix

Trace  
minerals and  
vitamins  
requirements

Maximum  
limits of  
contaminants

Suspension  
or  
cancellation  
of Certificate  
of  
Registration

(d) standard of quality, safety and efficacy as prescribed in the documentation for registration is not complied with;

(e) the premises in which the Animal Feed Premix is manufactured, packaged or stored by or on behalf of the holder of Certificate of Registration is unsuitable for the manufacture, package or storage of the Animal Feed Premix;

(f) new information is available to the Agency which renders the Animal Feed Premix unsafe, dangerous or ineffective;

(g) there is adverse effect on non-target organisms and the environment; or

(h) the holder of Certificate of Registration notifies the Agency in writing of the intention to suspend the product registered for a period not exceeding the validity of the Certificate of Registration.

(2) Where the registration of Animal Feed Premix is suspended or cancelled, the Agency shall order the withdrawal from circulation of the Animal Feed Premix and shall cause the suspension, cancellation or withdrawal to be published.

(3) Pursuant to the provisions of subregulation (1)(h) of this regulation, a holder of Certificate of Registration shall notify the Agency of the intention to resume marketing of a registered product and shall submit relevant document and pay the prescribed renewal fee for product registration where the product registration certificate has expired.

9.—(1) The packaging of an Animal Feed Premix shall be as approved by the Agency. Packaging

(2) The package of an Animal Feed Premix shall be designed to —

(a) maintain the integrity of the Animal Feed Premix under required conditions of storage, display and distribution;

(b) permit the withdrawal of some or all of the contents in a manner that is safe to the user;

(c) permit the closing of the package in a manner that prevents the spillage of the Animal Feed Premix under required handling conditions; and

(d) minimise the degradation or change of its contents under required storage conditions.

10.—(1) An Animal Feed Premix shall be stored, distributed or displayed in accordance with conditions stated on the label. Storage, distribution and display

(2) An Animal Feed Premix shall not be stored, distributed or displayed with human food.



Disposal of  
Animal Feed  
Premix

**11.** A person or holder of Certificate of Registration of Animal Feed Premix shall dispose of expired, degraded or obsolete Animal Feed Premix in the manner prescribed by the competent authority in the presence of staff of the Agency.

Power to  
seal  
premises

**12.** The Agency shall have power to seal up any premises used or being used in connection with commission of any offence in violation of these Regulations, until such time the animal feed premix is removed or such reasonable time as the Minister may determine.

Prohibition

**13.—(1)** A person shall not manufacture, import, export, distribute, advertise, display for sale or offer for sale, or distribute Animal Feed Premix in Nigeria unless it has been registered in accordance with the provisions of these Regulations.

(2) A person to whom a Certificate of Registration has been issued under these Regulations shall not lend, hire, sell, transfer, or otherwise dispose of the Certificate of Registration to any other person without the approval of the Agency.

(3) Notwithstanding subregulation (1) of this regulation, the Agency may grant a permit for the importation of animal feed premix —

- (a) for registration sample; and
- (b) above 20 kg pack size, for the purpose of —
  - (i) research;
  - (ii) use in emergency situation from disease outbreak; and
  - (iii) bulk importation for farm use only.

### PARTY III — OFFENCES AND PENALTIES

Offences and  
penalties

**14.—(1)** A person who contravenes any of the provisions of these Regulations commits an offence and is liable on conviction, in the case of —

- (a) an individual, to imprisonment for a term not exceeding one year or to a fine not exceeding ₦800,000 or both ; and
- (b) a body corporate, to a fine not exceeding ₦5,000,000.

(2) Where an offence under these Regulations is committed by a body corporate, firm or any other association of individuals, every —

- (a) director, manager, secretary or other similar officer of the body corporate;
- (b) partner or officer of the firm;
- (c) trustee of the body concerned;
- (d) person concerned in the management of the affairs of the association; or
- (e) person who purports to act in a capacity referred to in paragraphs (a) to (d) of this regulation,

is liable to be proceeded against and be punished for the offence and in the same manner as if the person committed the offence, unless the person proves that the act or omission constituting the offence took place without his knowledge, consent or connivance.

**15.—(1)** A person convicted of an offence under these Regulations shall forfeit to the Federal Government —

Forfeiture  
after  
conviction

(a) asset or property constituting proceeds derived from or obtained, directly or indirectly, as a result of the offence; and

(b) any of the person's property or instrument used in any manner to commit or to facilitate the commission of the offence.

(2) In this regulation, "proceeds" means any property derived or obtained, directly or indirectly, through the commission of the offence.

#### PART IV — MISCELLANEOUS

**16.** The Agency shall be responsible for the enforcement of these Regulations.

Enforcement  
of these  
Regulations

**17.** In these Regulations, —

Interpretation

"Agency" means the National Agency for Food and Drug Administration and Control (NAFDAC);

"Animal Feed Premix" means a uniform mixture of one or more micro ingredients or additives with a diluents or carrier to facilitate their even distribution in a larger mix of complete feed;

"Certificate of Registration" means a document describing the particulars and conditions under which a product is registered and indicate the assigned NAFDAC Reg. No. for a product;

"Competent Authority" means the Government authority responsible for waste disposal;

"Contaminant" means any substance not intentionally added to feed, which is present in such feed as a result of the production (including operations carried out in crop husbandry, animal husbandry and veterinary medicine), manufacture, processing, preparation, treatment, packing, packaging, transport or holding of such food or as a result of environmental contamination;

"Label" means any tag, brand, mark, pictorial or other descriptive matter, written, printed, stenciled, marked, embossed or impressed on, or attached to a package.

"Labelling" includes any written, printed or graphic matter that is present on the label accompanies the product, or is displayed near the product, including promoting its sale or disposal;

“*Minister*” means the minister charged with the responsibility for health matters;

“*Proceeds*” means any property derived or obtained, directly or indirectly, through the commission of the offence; and

“*Registered product*” means a drug or drug related product which has been approved by the Agency and assigned a NAFDAC Reg. No. to be manufactured, imported, exported, sold, distributed or advertised.

Citation

**18.** These Regulations may be cited as the Animal Feed Premix Regulations, 2024.



## FIRST SCHEDULE

[regulation 7]

Trace Minerals and Vitamins Requirements for Dairy Cattle Per Kg 0.25% Premix

S/N	Parameters	Requirements				
		Calf (0-3 months)	Weaner (3-12 months)	Yearling/ Heifer (12 months to Calving)	Lactating Cow	Dry Cow
1.	Manganese, mg/Kg (min)	8,000	8,000	8,000	8,000	8,000
2.	Zinc, mg/Kg (min)	9,600	9,600	9,600	9,600	9,600
3.	Cobalt, Mg/Kg (min)	40	40	40	40	40
4.	Copper, mg/Kg (min)	4,000	4,000	4,000	4,000	4,000
5.	Iron, mg/Kg (min)	40,000	40,000	40,000	40,000	40,000
6.	Iodine, mg/Kg (min)	40	40	40	40	40
7.	Selenium, mg/Kg (min)	40	40	40	40	40
8.	Vitamin D, IU/Kg (min)	240,000	400,000	400,000	240,000	400,000
9.	Vitamin A, IU/Kg (min)	2,400,000	4,000,000	4,000,000	2,400,000	2,400,000
10.	Vitamin E, IU/Kg (min)	1,200	1,200	1,200	1,200	1,200

## SECOND SCHEDULE

[regulation 7]

Trace Minerals and Vitamins Requirements for Beef Cattle Per Kg 0.25% Premix

S/N	Parameters	Requirements				
		Calf (0-3) months	Weaner (3-12) months	Yearling/ Heifer (12months) to Calving	Lactating Cow	Dry Cow
1.	Manganese, mg/Kg (min)	8,000	8,000	8,000	8,000	8,000
2.	Zinc, mg/Kg (min)	9,600	9,600	9,600	9,600	9,600
3.	Cobalt, Mg/Kg (min)	40	40	40	40	40
4.	Copper, mg/Kg (min)	4,000	4,000	4,000	4,000	4,000
5.	Iron, mg/Kg (min)	40,000	40,000	40,000	40,000	40,000
6.	Iodine, mg/Kg (min)	40	40	40	40	40
7.	Selenium, mg/Kg (min)	40	40	40	40	40
8.	Vitamin D, IU/Kg (min)	240,000	400,000	400,000	240,000	400,000
9.	Vitamin A, IU/Kg (min)	2,400,000	4,000,000	4,000,000	2,400,000	2,400,000
10.	Vitamin E, IU/Kg (min)	1,200	1,200	1,200	1,200	1,200

## THIRD SCHEDULE

[regulation 7]

Trace Minerals and Vitamins Requirements of Broiler Chicken in Premix  
inclusion Per Ton of Feeds

S/N	Ingredient	Broiler Starter 1-10 Days	Growers 11-24 Days	Finisher 25 days Market	Broiler Breeder Starter/ Grower (Pellets) 0-18 weeks	Breeder Hen/Cocks 19 weeks End
1.	Vitamin A (IU)	10,000,000 - 15,000,000	10,000,000 - 12,500,000	10,000,000 - 12,500,000	10,000,000 - 12,000,000	12,000,000 - 15,000,000
2.	Vitamin D3 (IU)	2,000,000- 3,000,000	2,000,000- 3,000,000	2,000,000- 3,500,000	2,000,000- 3,000,000	2,000,000- 3,500,000
3.	Vitamin E (mg)	40,000- 50,000	40,000- 50,000	40,000- 50,000	40,000- 60,000	40,000- 75,000
4.	Vitamin K (mg)	2,000- 4,000	2,000- 4,000	2,000- 3,000	2,000- 4,000	2,000- 5,000
5.	Vitamin B1 (mg)	1,500-3,000	1,500-3,000	2,000-3,000	2,000-4,000	2,000-5,000
6.	Vitamin B2 (mg)	5,000- 8,000	5,000- 9,000	5,000- 6,000	5,000- 8,000	9,000- 12,000
7.	Vitamin B6 (mg)	4,000- 6,000	3,200- 6,000	2,200- 4,000	4,000- 6,000	6,000- 7,000
8.	Vitamin B12 (mg)	15- 40	15- 30	11- 25	25- 30	25- 40
9.	Niacin (mg)	40,000- 80,000	60,000- 80,000	40,000- 55,000	30,000- 50,000	40,000- 60,000
10.	Pantothenic Acid (mg)	10,000- 15,000	10,000- 15,000	10,000- 15,000	10,000- 12,000	12,000- 15,000
11.	Folic Acid (mg)	1,000 - 2,500	1000 - 2500	1000 - 2200	1500 - 3000	1,500 - 4,000
12.	Biotin (mg)	100 - 200	100 - 200	100 - 200	100 - 200	100 - 200
13.	Vitamin C (mg)					150,000- 200,000
14.	Choline (mg)	300,000 - 700,000	300,000 - 700,000	300,000 - 600,000	300,000 - 650,000	250,000 - 500,000
15.	Copper (mg)	8000 - 10,000	5000 - 16,000	5,000 - 16,000	8,000 - 16,000	10,000 - 16,000
16.	Iodine (mg)	800 -1,500	800-1,500	800 -1,500	800 -1,500	800 - 1,500
17.	Iron (mg)	40,000 - 90,000	40,000 - 90,000	40,000 - 90,000	40,000 - 90,000	50,000 - 90,000
18.	Manganese (mg)	80,000 - 120,000	60,000 - 120,000	60,000 - 120,000	60,000 - 120,000	100,000 - 120,000
19.	Selenium (mg)	200 -300	150 -300	150-300	200-300	250-300
20.	Zinc (mg)	60,000 - 10,000	40,000- 110,000	40,000- 110,000	60,000-1 110,000	80,000- 110,000



## FOURTH SCHEDULE

[regulation 7]

Trace Minerals and Vitamins Requirements of Layer Chicken in Premix  
inclusion per Ton of Feeds

S/N	Ingredient	Broiler Starter 1-10 Days	Growers 11-24 Days	Layer 1&2 25-40 Weeks	Breeding Chicks	Breeder Pullet Grower	Breeding Laying Hen/ Cocks 25-72 Weeks
1.	Vitamin A (IU)	9,000,000- 13,000,000	9,000,000- 12,000,000	8,000,000- 12,000,000	9,000,000- 13,000,000	9,000,000- 13,000,000	12,000,000- 15,000,000
2.	Vitamin D3 (IU)	2,500,000- 4,000,000	3,000,000- 4,000,000	3,000,000- 4,000,000	2,500,000- 4,000,000	2,500,000- 4,000,000	2,500,000- 4,500,000
3.	Vitamin E (mg)	20,000- 30,000	15,000- 18,000	10,000- 15,000	20,000- 30,000	20,000- 30,000	25,000- 50,000
4.	Vitamin K (mg)	2,000- 3,000	3,000- 3,500	2,000- 3,000	2,000- 3,000	2,000- 3,000	2,000- 4,000
5.	Vitamin B1 (mg)	1,500- 2,500	1,500- 2,200	1,000- 2,500	2,000- 2,500	2,000- 2,500	2,000- 3,000
6.	Vitamin B2 (mg)	4,500- 5,500	5,000- 6,000	5,000- 6,000	4,500- 5,500	4,500- 5,500	9,000- 11,000
7.	Vitamin B6 (mg)	2,500- 5,500	2,500- 4,000	1,500- 5,000	2,500- 5,500	4,500- 5,500	5,000- 6,000
8.	Vitamin B12 (mg)	20 - 30	20 - 25	10 - 22	25 - 30	25 - 30	25 - 30
9.	Niacin (mg)	25,000- 55,000	20,000- 40,000	15,000- 30,000	40,000- 45,000	40,000- 45,000	40,000- 55,000
10.	Pantothenic	9,000- 16,000	7,000- 12,000	5,000- 10,000	12,000- 16,000	12,000- 16,000	12,000- 20,000
11.	Folic Acid (mg)	1,000-3,000	700 - 1200	700- 1200	1,000-3,000	1,000-3,000	1,000- 3,000
12.	Biotin (mg)	100 - 200	50 - 150	50 - 150	100 - 250	100 - 250	100- 350
13.	Vitamin C (mg)	—	—	—	—	—	150,000- 200,000
14.	Choline (mg)	200,000- 400,000	150,000- 300,000	150,000 - 400,000	200,000- 400,000	200,000- 200,000	250,000- 500,000
15.	Copper (mg)	8,000- 12,000	8,000- 9,000	8,000- 9,000	8,000- 9,000	8,000- 9,000	10,000- 12,000
16.	Iodine (mg)	1,000- 1,200	1,000- 1,200	1,000- 1,200	1,000- 1,200	1,000- 1,200	1,000- 1,200
17.	Iron (mg)	40,000- 80,000	40,000- 80,000	40,000- 80,000	40,000- 80,000	50,000- 80,000	50,000- 80,000
18.	Manganese (mg)	80,000- 90,000	80,000- 90,000	80,000- 90,000	100,000- 110,000	100,000- 110,000	100,000- 110,000
19.	Selenium (mg)	200 - 250	150 - 250	150 - 250	250 - 300	250 - 300	250 - 300
20.	Zinc (mg)	60-80	60-80	60-80	80-90	80-90	80-90
21.	Cobalt (mg)	300	250	250	250	250	250

## FIFTH SCHEDULE

[regulation 7]

Trace Minerals and Vitamins Requirements of Turkeys in Premix Inclusion Per Ton of Feeds

S/N	Ingredient	Turkey Starter 0-8 Weeks	Growers 9-12 Weeks	Finisher 13-16 Weeks	Turkey Breeder Starter 0-6 Weeks	Grower 7-29 Weeks	Breeding Hen or Tom 29 Weeks Plus
1.	Vitamin A (IU)	12,000,000-15,000,000	10,000,000-12,000,000	8,000,000-10,000,000	12,000,000-14,000,000	6,000-8,000	11,000-13,000
2.	Vitamin D3 (IU)	4,000,000-5,000,000	3,000,000-5,000,000	3,000,000-4,000,000	4,000,000-5,000,000	3,500,000-4,500,000	4,000,000-5,000,000
3.	Vitamin E (mg)	75,000-10,000	50,000-80,000	30,000-50,000	50,000-100,000	50,000-70,000	100,000-150,000
4.	Vitamin K (mg)	4,000-5,000	3,000-4,000	3,000-4,000	4,000-5,000	2,000-4,000	4,000-5,000
5.	Vitamin B1 (mg)	4,000-5,000	3,000-5,000	3,000-4,000	4,000-5,000	1,000-3,000	4,000-5,000
6.	Vitamin B2 (mg)	15,000-20,000	10,000-15,000	9,000-10,000	15,000-20,000	5,000-10,000	15,000-20,000
7.	Vitamin B6 (mg)	6,000-7,000	5,000-7,000	3,000-6,000	6,000-7,000	4,000-6,000	6,000-7,000
8.	Vitamin B12 (mg)	40-50	30-40	20-30	40-50	20-30	40-50
9.	Niacin (mg)	100,000-150,000	80,000-100,000	60,000-80,000	100,000-120,000	50,000-60,000	80,000-100,000
10.	Pantothenic Acid (mg)	30,000-35,000	20,000-25,000	15,000-20,000	28,000-33,000	15,000-20,000	28,000-33,000
11.	Folic Acid (mg)	4,000-6,000	2,000-3,000	2,000-2,500	4,000-6,000	2,000-3,000	4,000-6,000
12.	Biotin (mg)	250 - 400	250 - 300	200 - 250	300 - 500	200 - 500	300 - 400
13.	Vitamin C (mg)	100,000-200,000	100,000-200,000	100,000-200,000	100,000-200,000	100,000-200,000	100,000-200,000
14.	Choline (mg)	1,000,000-1,200,000	500,000-1,000,000	400,000-600,000	1,000,000-1,200,000	800,000-1,000,000	500,000-1,000,000
15.	Copper (mg)	8,000-15,000	8,000-15,000	8,000-15,000	8,000-15,000	8,000-15,000	8,000-15,000
16.	Iodine (mg)	1,000-3,000	1,000-3,000	1,000-3,000	1,000-3,000	1,000-3,000	1,000-3,000
17.	Iron (mg)	60,000-80,000	40,000-80,000	40,000-80,000	60,000-80,000	60,000-80,000	60,000-80,000
18.	Manganese (mg)	80,000-120,000	60,000-100,000	60,000-100,000	80,000-120,000	60,000-100,000	60,000-100,000
19.	Selenium (mg)	200 - 400	200 - 400	200 - 400	200 - 400	200 - 400	200 - 400
20.	Zinc (mg)	80,000-110,000	60,000-80,000	60,000-80,000	70,000-100,000	60,000-80,000	80,000-110,000



## SIXTH SCHEDULE

[regulation 7]

## Trace Minerals and Vitamins Requirements of Ducks in the Premix Inclusion of One Ton of Feeds

S/N	Ingredient	Duck Starter (Pullets)	Rearing (Pullets)	Layer 1	Breeding Ducks	Breeding Pullet Grower	Breeding laying Ducks/ Drake
1.	Vitamin A (IU)	9000000-130000000	9000000-120000000	8000000-120000000	9000000-130000000	9000000-130000000	120000000-150000000
2.	Vitamin D3 (IU)	2500000-4000000	3000000-4000000	3000000-4000000	2500000-4000000	2500000-4000000	2500000-4500000
3.	Vitamin E (mg)	20000-30000	15000-18000	10000-15000	20000-30000	20000-30000	25000-50000
4.	Vitamin K (mg)	2000-3000	3000-3500	2000-3000	2000-3000	2000-3000	2000-4000
5.	Vitamin B1 (mg)	2000-2500	1500-2200	1000-2500	2000-2500	2000-2500	2500-3000
6.	Vitamin B2 (mg)	4500-5500	5000-6000	5000-6000	4500-5500	4500-5500	6000-11000
7.	Vitamin B6 (mg)	4500-5500	3000-4000	3000-5000	4500-5500	4500-5500	4500-5500
8.	Vitamin B12 (mg)	20 - 30	20 - 25	20 - 22	25 - 30	25 - 30	25 - 30
9.	Niacin (mg)	40000-55000	20000-40000	20000-40000	40000-45000	40000-45000	45000-55000
10.	Pantothenic Acid (mg)	15000-16000	10000-12000	7000-10000	15000-16000	15000-16000	15000-20000
11.	Folic Acid (mg)	1500-3000	700-12000	700-12000	1500-3000	15000-3000	2000-3000
12.	Biotin (mg)	200	100	100	200	200	250-350
13.	Vitamin C (mg)	100000-150000	100000-150000	100000-200000	100000-150000	100000-150000	100000-200000
14.	Choline (mg)	200000-400000	200000-300000	300000-400000	200000-400000	200000-400000	300000-500000
15.	Copper (mg)	5000-12000	5000-9000	5000-9000	5000-12000	5000-9000	5000-9000
16.	Iodine (mg)	350-1000	350-1000	350-1000	350-1000	350-1000	350-1000
17.	Iron (mg)	60000-80000	60000-80000	60000-80000	60000-80000	60000-80000	60000-80000
18.	Manganese (mg)	56000-60000	56000-60000	60000-70000	56000-60000	50000-60000	60000-70000
19.	Selenium (mg)	150-250	150-250	150-250	150-250	150-250	150-250
20.	Zinc (mg)	40000-60000	40000-60000	40000-60000	40000-60000	40000-60000	40000-60000



## SEVENTH SCHEDULE

[regulation 7]

Trace Minerals and Vitamins Requirements of Geese in Premix  
Inclusion of One Ton of Feeds

S/N	Ingredient	Geese Starter (Pullets)	Rearing (Pullets)	Layer 1	Breeding Ducks	Breeding Pullet Grower	Breeding Laying Geese/ Gander
1.	Vitamin A (IU)	9,000,000-13,000,000	9,000000-12,000,000	8,000000-12,000,000	9,000000-13,000,000	9,000,000-13,000,000	12,000,000-15,000,000
2.	Vitamin D3 (IU)	2,500,000-4,000,000	3,000,000-4,000,000	3,000,000-4,000,000	2,500,000-4,000,000	2,500,000-4000000	2,500,000-4,500,000
3.	Vitamin E (mg)	20000-30000	15000-18000	10000-15000	20000-30000	20000-30000	25000-50000
4.	Vitamin K (mg)	2000-3000	3000- 3500	2000-3000	2000-3000	2000-3000	2000-4000
5.	Vitamin B1 (mg)	2000-2500	1500-2200	1000-2500	2000-2500	2000-2500	2500-3000
6.	Vitamin B2 (mg)	4500-5500	5000-6000	5000-6000	4500-5500	4500-5500	6000-11000
7.	Vitamin B6 (mg)	4500-5500	3000-4000	3000-5000	4500-5500	4500-5500	4500-5500
8.	Vitamin B12 (mg)	20 - 30	20 - 25	20 - 22	25 - 30	25 - 30	25 - 30
9.	Niacin (mg)	40000-55000	20000-40000	20000-40000	40000-45000	40000-45000	45000-55000
10.	Pantothenic Acid (mg)	15000-16000	10000-12000	7000-10000	15000-16000	15000-16000	15000-20000
11.	Folic Acid (mg)	1500-3000	700-12000	700-12000	1500-3000	15000-3000	2000-3000
12.	Biotin (mg)	200	100	100	200	200	250-350
13.	Vitamin C (mg)	100000-150000	100000-150000	100000-200000	100000-150000	100000-150000	100000-200000
14.	Choline (mg)	200000-400000	200000-300000	300000-400000	200000-400000	200000-400000	300000-500000
15.	Copper (mg)	5000-12000	5000-9000	5000-9000	5000-12000	5000-9000	5000-9000
16.	Iodine (mg)	350-1000	350-1000	5000-1200	5000-1200	5000-1200	5000-1200
17.	Iron (mg)	60000-80000	60000-80000	60000-80000	60000-80000	60000-80000	60000-80000
18.	Manganese (mg)	56000-60000	50000-60000	60000-70000	60000-70000	60000-60000	50000-60000
19.	Selenium (mg)	150-250	150-250	150-250	150-250	150-250	150-250
20.	Zinc (mg)	40000-60000	40000-60000	40000-60000	40000-60000	40000-60000	40000-60000

## EIGHT SCHEDULE

[regulation 7]

Micro Minerals/Vitamins Requirements of Qualis in the Premix  
Inclusion of One Ton of Feeds

S/N	Ingredients	Qualis
1.	Vitamin A (IU)	12,000,000 - 13500,000
2.	Vitamin D3 (IU)	3,000,000 - 4,000,000
3.	Vitamin E (mg)	50000 - 80000
4.	Vitamin K (mg)	2000 - 4000
5.	Vitamin B1 (mg)	2000 - 4000
6.	Vitamin B2 (mg)	5000 - 7000
7.	Vitamin 6 (mg)	4000 - 6000
8.	Vitamin B12 (mg)	30 - 50
9.	Niacin (mg)	50000 - 80000
10.	Pantothenic Acid (mg)	15000 - 25000
11.	Folic Acid (mg)	1500 - 2000
12.	Biotin (mg)	20 - 25
13.	Vitamin C (mg)	100000 - 150000
14.	Choline (mg)	400000 - 600000
15.	Copper (mg)	5000 - 12000
16.	Iodine (mg)	350 - 1000
17.	Iron (mg)	60000 - 80000
18.	Manganese (mg)	56000 - 60000
19.	Selenium (mg)	150 - 250
20.	Zinc (mg)	40000 - 60000
21.	Cobalt (mg)	250

## NINTH SCHEDULE

[regulation 7]

Vitamins Requirements of Ostrich in the Premix  
Inclusion of One Ton of Feeds

<i>S/N</i>	<i>Ingredients</i>	<i>Ostrich</i>
1.	Vitamin A (IU)	12,000,000 - 13500,000
2.	Vitamin D3 (IU)	3,000,000 - 4,000,000
3.	Vitamin E (mg)	40000 - 60000
4.	Vitamin K (mg)	2000 - 4000
5.	Vitamin B1 (mg)	2000 - 4000
6.	Vitamin B2 (mg)	3000 - 5000
7.	Vitamin 6 (mg)	10000 - 20000
8.	Vitamin B12 (mg)	50 - 100
9.	Niacin (mg)	80000 - 100000
10.	Pantothenic Acid (mg)	12000 - 20000
11.	Folic Acid (mg)	2000 - 4000
12.	Biotin (mg)	20 - 35
13.	Vitamin C (mg)	200000 - 500000
14.	Choline (mg)	600000 - 800000



## TENTH SCHEDULE

[regulation 7]

Micro Mineral/Vitamins Requirements for Catfish and Tilapia at 5kg of Premix  
Per Ton of Dry Feed

<i>S/N</i>	<i>Parameters</i>	<i>Requirements</i>
1.	Vitamin A (IU/mg)	5,000,000
2.	Vitamin D3 (IU/mg)	2,500,000
3.	Vitamin C (mg)	750,000
4.	Vitamin E (mg)	250,000
5.	Vitamin K3 (mg)	10,000
6.	Vitamin B1 (mg)	5,000
7.	Vitamin B2 (mg)	45,000
8.	Vitamin B6 (mg)	15,000
9.	Vitamin B12 (mg)	45
10.	Niacin (mg)	165,500
11.	Pantothenic (mg)	50,000
12.	Folic Acid (mg)	6,000
13.	Choline (mg)	200,000
14.	Biotin (mg)	12,450
	<b>Macro Elements</b>	
15.	Phosphorus % (min)	225
16.	Magnesium % (min)	200
17.	Potassium % (min)	1,300
	<b>Micro Elements</b>	
18.	Copper (mg/kg) (min)	25,000
19.	Iodine (mg/kg) (min)	3,000
20.	Iron (mg/kg) (min)	150,000
21.	Manganese (mg/kg) (min)	12,000
22.	Selenium (mg/kg) (min)	1,250
23.	Zinc (mg/kg) (min)	100,000
24.	Anti oxidant (mg/kg) (min)	10,000

## ELEVENTH SCHEDULE

[regulation 8]

**Contaminants in Cattle Feed Premix****1. Microbiological**

The microbiological contaminants in the Cattle Feed Premix shall be as stated in the table below:

<i>S/N</i>	<i>Parameters</i>	<i>Requirements</i>
1.	Total Viable Count (cfu/g)(max)	$1.0 \times 10^5$
2.	Escchericha Coli (E. Coli)	Absent in 25g
3.	Salmonella spp	Absent in 25g
4.	Staphylococcus aureus	Absent in 25g
5.	Yeast and mould (cfu/g)(max)	$1.0 \times 10^2$

**2. Chemicals**

Cattle feed premix shall comply with the maximum limits established by the Codex Alimentarius Commission General Standard for Contaminants and Toxins in Food and Feed (CODEX STAN 193).

**2.1 Mycotoxins**

The level of mycotoxins in the Cattle Feed Premix shall be as stated below :

<i>S/N</i>	<i>Parameters</i>	<i>Requirement</i>
1.	Total aflatoxin (ppb) (max)	20

**2.2. Pesticide Residue**

Codex Maximum Residue Limits for Pesticides and Extraneous Maximum Residue Limits of Pesticides Residues in Food online Database, 2019- General Animal Feed Commodities.

**2.3. Metallic**

<i>S/N</i>	<i>Parameters</i>	<i>Requirement</i>
1.	Arsenic (As) (mg/Kg)(max)	0.1
2.	Cadmium (Cd) (mg/Kg)(max)	1.0
3.	Lead (Pb) (mg/Kg)(Max)	1.0
4.	Mercury (Hg) (mg/Kg)(max)	0.5

### Contaminants in Catfish and Tilapia Feed Premix

#### 1. Microbiological

The microbiological contaminants in the Catfish and Tilapia Feed Premix shall be as stated in the table below :

<i>S/N</i>	<i>Parameters</i>	<i>Requirements</i>
1.	Total Viable Count (cfu/g)(max)	$1.0 \times 10^5$
2.	Escherichia Coli (E. Coli)	Absent in 25g
3.	Salmonella spp	Absent in 25g
4.	Staphylococcus aureus	Absent in 25g
5.	Yeast and mould (cfu/g)(max)	$1.0 \times 10^2$

#### 2. Chemicals

Catfish and Tilapia feed premix shall comply with the maximum limits established by the Codex Alimentarius Commission General Standard for Contaminants and Toxins in Food and Feed (CODEX STAN 193).

##### 2.1. Mycotoxins

The level of mycotoxins in the Catfish and Tilapia Feed Premix shall be as stated below:

<i>S/N</i>	<i>Parameters</i>	<i>Requirement</i>
1.	Total aflatoxin (ppb) (max)	20

##### 2.2. Pesticide Residue

Codex Maximum Residue Limits for Pesticides and Extraneous Maximum Residue Limits of Pesticides Residues in Food online Database, 2019- General Animal Feed Commodities.

##### 2.3. Metallic

<i>S/N</i>	<i>Parameters</i>	<i>Requirement</i>
1.	Arsenic (As) (mg/Kg)(max)	0.1
2.	Cadmium (Cd) (mg/Kg)(max)	1.0
3.	Lead (Pb) (mg/Kg)(Max)	1.0
4.	Mercury (Hg) (mg/Kg)(max)	0.5



MADE at Abuja this 16th day of October, 2024.

MUHAMMAD ALI PATE, CON  
*Coordinating Minister of Health  
and Social Welfare*

