



VVS Layer premixes and mixing recommendation

VVS on the farm to form your egg

We have prepared a balanced ration for proper development and higher production in your layers. This ration consists of our premix and the commodities, easily available on your market

- **Balanced ration from any aspect of the chicken needs**
- **Our premixes contain all the necessary vitamins, minerals and enzymes**
- **Your local compounder to advise and adjust the ration accordingly to your requirements**
- **Technical advisors ready to analyse and revise your rations**

Please, contact our local consultant for the information, on the minimum technical requirements, for the production of your own mixture on the farm.



Effective animal nutrition

VVS ZAMBIA L.T.D, PLOT NUMBER L3131N/M CHAMBA VALLEY LUSAKA

BOX 310100 LUSAKA ZAMBIA, CELL: +260 965303481

www.vvszambia.com



Developer

VVS px pullet 0,4-0,5%

Components:

Limestone.

Analytical components:

Calcium

Nutritional additives in kg:

3b101 (FeCO₃) as Fe
3b202 (Ca (IO₃)₂ as I
3a672a Vitamin A
3a671 Vitamin D3
3a821 Vitamin B1
Vitamin B2
3a841 D-calcium pantothenate
3a890 Cholinchlorid
3a315 Niacinamid
3a831 Vitamin B6
Vitamin B12
3a316 Folic acid
3a880 Biotin
3a710 Vitamin K3
3a920 Betain
Vitamin E as alpha-tocopherol 3a700
3b405 (CuSO₄.5H₂O) as Cu
3b502 (MnO) as Mn
3b603 Zinc oxide (ZnO) as Zn
3b801 (Na₂SeO₃) as Se

Technical additives in kg:

E 321 Butylhydroxytoluoln (BHT)
1b320 Butylhydroxyanisol (BHA)

Zootechnical additives in kg:

4a1620i Endo-1,4 beta-Xylanase 3.2.1.8
E 1620 Endo-1,3(4) beta-Glukanas 3.2.1.6
4a32 6-Fytaza (EC 3.1.3.26)

Usage:

PREMIX is for pullets. Dosage: 0,4 - 0,5% into complete feed mixture.

Store in dry place on wooden pallets.



0-16. week

Additional ingredients

Enzymes

Use of Feed enzymes reduce nutritional input costs, bring more flexibility in least cost formulation, support animals' health status and improve and sustainability of production .

During these times of unpredictable volatility and catastrophic raw material prices, the value of feed enzymes as part of the nutritionist's toolbox has never been higher. The effects are consistent, measurable, scientifically credible, and economically valuable.

Phytases are a enzymes covering a range of sizes, structures and catalytic mechanisms . The main benefits of using phytase is by reducing the use of inorganic phosphates in the diet, by increasing the availability of phytic phosphorus from plant ingredients thus reducing the antinutritional factors of phytic acid, by lowering the endogenous losses and favoring the utilization of minerals, aminoacids and energy. Therefore, the effective use of phytase can reduce the need for both Ca and available P supplementation.

Exogenous protease, supported by adjacent enzymes such as phytase and carbohydrase and strategic use of crystalline aminoacids, allow animal performance to be sustained with radically reduced dietary crude protein concentrations. This has a substantial effect on diet cost and brings more latitude in formulation approaches e.g., reduced reliance on protein meals.

Scattics

Scattics is a nutritional emulsifier designed to enhance digestion and absorption of energy- rich feed ingredients , including fats, oils and fat-soluble nutrients in livestock . This helps to maximize feed efficiency.

Layer

VVS px Layer 0,3%



Components:

Limestone.

Analytical components:

Calcium

Nutritional additives in kg:

3b202 (Ca (IO₃)₂ as I
3a672a Vitamin A
3a671 Vitamin D3
3a821 Vitamin B1
Vitamin B2
3a841 D-calcium pantothenate
3a890 Cholinchlorid
3a315 Niacinamid
3a831 Vitamin B6
Vitamin B12
3a316 Folic acid
3a880 Biotin
3a710 Vitamin K3
3a920 Betain
Vitamin E as alpha-tocopherol 3a700
3b405 (CuSO₄.5H₂O) as Cu
3b502 (MnO) as Mn
3b603 Zinc oxide (ZnO) as Zn
3b801 (Na₂SeO₃) as Se

Technical additives in kg:

E 321 Butylhydroxytoluoln (BHT)
1b320 Butylhydroxyanisol (BHA)

Zootechnical additives in kg:

4a1620i Endo-1,4 beta-Xylanase 3.2.1.8
E 1620 Endo-1,3(4) beta-Glukanas 3.2.1.6
4a32 6-Fytaza (EC 3.1.3.26)

Usage:

This PREMIX is intended for layers. Dosage: 0,3% into complete feed.

Store in dry place on wooden pallets.



VVS Layer L0

17.-18. week until 2% of production

VVS Layer 95

19.- 20. week

VVS Layer 100

20.- 21. week

VVS Layer 105

21.- 22. week

VVS Layer 110

22.- 55. week

VVS Layer 115

55.-75. week

VVS Layer 120

76. week until removal of hens



Components:

Limestone.

Analytical components:

Calcium

Nutritional additives in kg:

3b202 (Ca (IO₃)₂ as I
3a672a Vitamin A
3a671 Vitamin D3
3a821 Vitamin B1
Vitamin B2
3a841 D-calcium pantothenate
3a890 Cholinchlorid
3a315 Niacinamid
3a831 Vitamin B6
Vitamin B12
3a316 Folic acid
3a880 Biotin
3a710 Vitamin K3
3a920 Betain
Vitamin E as alpha-tocopherol 3a700
3b405 (CuSO₄.5H₂O) as Cu
3b502 (MnO) as Mn
3b603 Zinc oxide (ZnO) as Zn
3b801 (Na₂SeO₃) as Se

Technical additives in kg:

E 321 Butylhydroxytoluoln (BHT)
1b320 Butylhydroxyanisol (BHA)

Zootechnical additives in kg:

4a1620i Endo-1,4 beta-Xylanase 3.2.1.8
E 1620 Endo-1,3(4) beta-Glukanas 3.2.1.6
4a32 6-Fytaza (EC 3.1.3.26)

Usage:

This PREMIX is intended for layers. Dosage: 0,3% into complete feed.

Store in dry place on wooden pallets.

333,000 ppm

3 333 333,00 i.u.

1 000 000,00 ppm

333,000 ppm

1 333,000 ppm

3 333,000 ppm

83 333,00 ppm

10 000,00 ppm

1 000,00 ppm

10,00 ppm

333,000 ppm

17,00 ppm

1 000,00 ppm

33 333,00 ppm

33 333,00 ppm

20 000,00 ppm

120,00 ppm

1 000,00 ppm

2 083,00 ppm

2 000,00 ppm

400,00 ppm

366 740,00 vu

500 100,00 vu

500 000,00 ftu

Our line of rations prepared for your chick to be reared into a supreme laying hen



Starter

Nutrient	Unit	Total amount
Crude protein	g	200,00
Lysine	g	11,80
Methionine	g	5,78
Threonine	g	8,20
Crude fat	g	40,00
Crude fiber	g	35,39
ME – poultry	mj	11,44
Calcium	g	9,50
Phosphorus	g	7,99
Phosphorus – available	g	4,50
Sodium	g	1,65
Chlorides	g	1,80
Vitamin A	m.j.	13 350,70
Vitamin D3	m.j.	2 940,00
Vitamin E	mg	59,57

Component	Unit	Total amount
VVS px Pullet	%	0,50
Salt feed grade	%	0,20
Sodium bicarbonate	%	0,20
Monocalcium phophate	%	1,10
Calcium carbonate	%	1,70
Maize bran	%	24,00
Soy bean meal 48%	%	21,00
Whole maize	%	45,00
FF soya	%	4,00
Fish meal 65 %	%	2,00
Lysine HCL	%	0,20
DL Methionine	%	0,25
L Threonine	%	0,05

Grower

Nutrient	Unit	Total amount
Crude protein	g	190,00
Lysin	g	10,30
Methionin	g	4,68
Treonin	g	7,23
Crude fat	g	38,00
Crude fiber	g	37,00
ME-Poultry	mj	11,28
Calcium	g	9,00
Phosphorus	g	7,80
Phosphorus-available	g	4,25
Sodium	g	1,65
Chlorides	g	1,80
Vitamin A	m.j.	12 450,71
Vitamin D3	m.j.	2 940,00
Vitamin E	mg	54,51

Component	Unit	Total amount
VVS px Pullet	%	0,50
Salt feed grade	%	0,20
Monocalciumphosphate	%	0,80
Calcium carbonate	%	1,60
Maize bran	%	29,00
Soy bean meal 48%	%	12,00
Whole maize	%	50,00
FF soya	%	2,00
Sunflower cake	%	4,00
Lysine HCL	%	0,30
DL Methionine	%	0,20

Developer

Nutrient	Unit	Total amount
Crude protein	g	160,00
Lysin	g	7,80
Methionin	g	3,23
Crude fat	g	34,40
Crude fiber	g	40,36
ME-Poultry	mj	10,48
Calcium	g	8,80
Phosphorus	g	7,89
Phosphorus-available	g	4,15
Sodium	g	1,65
Chlorides	g	1,90
Vitamin A	m.j.	9 999,81
Vitamin D3	m.j.	2 940,00
Vitamin E	mg	43,50

Component	Unit	Total amount
VVS px Pullet	%	0,40
Salt feed grade	%	0,20
Sodium bicarbonate	%	0,20
Monocalcium phosphate	%	0,25
Calcium carbonate	%	1,00
OYTA – calcium grit	%	0,30
Maize bran	%	37,00
Soya bean meal 48%	%	6,00
Whole maize	%	50,00
Sunflower cake	%	5,00
Lysine HCL	%	0,20
DL Methionine	%	0,10

Line of our Layer rations to get your hens from 95%+ until the end of production still able to be sold for backyard market



Layer L0

Nutrient	Unit	Total am.
Crude protein	g	170,00
Lysin	g	8,44
Methionin	g	4,00
Crude fat	g	45,00
Crude fiber	g	34,98
ME-Poultry	mj	11,16
Calcium	g	20,00
Phosphorus	g	7,61

Nutrient	Unit	Total am.
Phosphorus-ava.	g	4,25
Sodium	g	1,64
Chlorides	g	1,80
Vitamin A	m.j.	9 900,71
Vitamin D3	m.j.	2 940,00
Vitamin E	mg	64,46

Component	Unit	Total am.
VVS px Layer 0,3%	%	0,30
Salt feed grade	%	0,30
Monocalcium phosphate	%	0,75
Calcium carbonate	%	1,50
OYTA – calcium grit	%	3,00
Maize bran	%	32,00
Soy bean meal 48%	%	18,00
Whole maize	%	38,00

Component	Unit	Total am.
Sunflower cake	%	3,00
Methionine	%	0,10
Lysine	%	0,10
Wheat bran	%	3,00

Layer 95

Nutrient	Unit	Total am.
Crude protein	g	185,00
Lysin	g	9,65
Methionin	g	5,00
Crude fat	g	53,00
Crude fiber	g	30,32
ME-Poultry	mj	11,10
Calcium	g	41,00
Phosphorus	g	7,02

Nutrient	Unit	Total am.
Phosphorus-ava.	g	4,00
Sodium	g	1,65
Chlorides	g	1,80
Vitamin A	m.j.	9 900,57
Vitamin D3	m.j.	2 940,00
Vitamin E	mg	62,99

Component	Unit	Total am.
VVS px Layer 0,3%	%	0,30
Salt feed grade	%	0,30
Monocalcium phosphate	%	0,65
Calcium carbonate	%	4,80
Sunflower cake	%	3,50
OYTA – calcium	%	4,50
grit Maize bran	%	32,00
Soy bean meal 48%	%	19,00

Component	Unit	Total am.
Whole maize	%	35,00
Methionine	%	0,10
Lysine	%	0,20

Layer 100

Nutrient	Unit	Total am.
Crude protein	g	180,00
Lysin	g	9,29
Methionin	g	4,80
Crude fat	g	51,14
Crude fiber	g	29,99
ME-Poultry	mj	11,22
Calcium	g	39,00
Phosphorus	g	6,76

Nutrient	Unit	Total am.
Phosphorus-ava.	g	3,80
Sodium	g	1,65
Chlorides	g	1,80
Vitamin A	m.j.	9 900,59
Vitamin D3	m.j.	2 940,00
Vitamin E	mg	63,32

Component	Unit	Total am.
VVS px Layer 0,3%	%	0,30
Salt feed grade	%	0,40
Monocalcium phosphate	%	0,50
Calcium carbonate	%	4,80
Sunflower cake	%	7,00
OYTA – calcium	%	5,30
grit Maize bran	%	32,00
Soy bean meal 48%	%	14,30

Component	Unit	Total am.
Whole maize	%	36,00
Methionine	%	0,10
Lysine	%	0,10

Layer 105

Nutrient	Unit	Total am.
Crude protein	g	173,00
Lysin	g	8,79
Methionin	g	4,50
Crude fat	g	47,32
Crude fiber	g	31,03
ME-Poultry	mj	11,04
Calcium	g	37,00
Phosphorus	g	6,61

Nutrient	Unit	Total am.
Phosphorus-ava.	g	3,60
Sodium	g	1,65
Chlorides	g	1,80
Vitamin A	m.j.	9 900,62
Vitamin D3	m.j.	2 940,00
Vitamin E	mg	63,64

Component	Unit	Total am.
VVS px Layer 0,3%	%	0,30
Salt feed grade	%	0,40
Monocalcium phosphate	%	0,50
Calcium carbonate	%	4,80
Sunflower cake	%	7,00
OYTA – calcium	%	5,30
grit Maize bran	%	32,00
Soy bean meal 48%	%	14,30

Component	Unit	Total am.
Whole maize	%	36,00
Methionine	%	0,10
Lysine	%	0,10

Layer 110

Nutrient	Unit	Total am.
Crude protein	g	165,00
Lysin	g	8,24
Methionin	g	4,10
Crude fat	g	45,00
Crude fiber	g	32,01
ME-Poultry	mj	10,90
Calcium	g	35,00
Phosphorus	g	6,45

Nutrient	Unit	Total am.
Phosphorus-ava.	g	3,40
Sodium	g	1,66
Chlorides	g	1,80
Vitamin A	m.j.	9 900,66
Vitamin D3	m.j.	2 940,00
Vitamin E	mg	63,96

Component	Unit	Total am.
VVS px Layer 0,3%	%	0,30
Salt feed grade	%	0,35
Monocalcium phosphate	%	0,25
Calcium carbonate	%	6,50
OYTA – calcium grit	%	5,00
Maize bran	%	31,00
Soy bean meal 48%	%	12,00
Whole maize	%	37,00

Component	Unit	Total am.
Sunflower cake	%	8,50
Methionine	%	0,10
Lysine	%	0,15

Layer 115

Nutrient	Unit	Total am.
Crude protein	g	160,00
Lysin	g	7,89
Methionin	g	4,00
Crude fat	g	39,23
Crude fiber	g	32,55
ME-Poultry	mj	10,65
Calcium	g	36,00
Phosphorus	g	6,15

Nutrient	Unit	Total am.
Phosphorus-ava.	g	3,10
Sodium	g	1,63
Chlorides	g	1,80
Vitamin A	m.j.	9 900,68
Vitamin D3	m.j.	2 940,00
Vitamin E	mg	64,14

Component	Unit	Total am.
VVS px Layer 0,3%	%	0,30
Salt feed grade	%	0,35
Monocalcium phosphate	%	0,25
Calcium carbonate	%	6,50
OYTA – calcium grit	%	5,00
Maize bran	%	31,00
Soy bean meal 48%	%	12,00
Whole maize	%	37,00

Component	Unit	Total am.
Sunflower cake	%	8,50
Methionine	%	0,10
Lysine	%	0,15

Layer 120

Nutrient	Unit	Total am.
Crude protein	g	155,00
Lysin	g	7,53
Methionin	g	3,80
Crude fat	g	35,00
Crude fiber	g	33,48
ME-Poultry	mj	10,47
Calcium	g	34,00
Phosphorus	g	6,10

Nutrient	Unit	Total am.
Phosphorus-ava.	g	3,00
Sodium	g	1,65
Chlorides	g	1,91
Vitamin A	m.j.	9 900,71
Vitamin D3	m.j.	2 940,00
Vitamin E	mg	64,41

Component	Unit	Total am.
VVS px Layer 0,3%	%	0,30
Salt feed grade	%	0,35
Monocalcium phosphate	%	0,25
Calcium carbonate	%	6,25
OYTA – calcium grit	%	5,00
Maize bran	%	31,00
Soy bean meal 48%	%	12,00
Whole maize	%	37,00

Component	Unit	Total am.
Sunflower cake	%	8,50
Methionine	%	0,10
Lysine	%	0,15