



VVS pig premixes and compound feed formulations

VVS - formulating your growth

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

- **Balanced ration from any aspect of the pigs 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.

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Distributor:

Starter

VVS px Pig Starter 0,5%

Components:

Limestone.

Analytical components:

| | |
|--|-------------------|
| Calcium | 19,56 % |
| <i>Nutritional additives in kg:</i> | |
| 3b101 (FeCO ₃) as Fe | 40 000,00 ppm |
| 3b202 (Ca (IO ₃) ₂ as I | 300,00 ppm |
| 3a672a Vitamin A | 2 200 000,00 i.u. |
| 3a671 Vitamin D ₃ | 400 000,00 i.u. |
| 3a821 Vitamin B ₁ | 399,00 ppm |
| Vitamin B ₂ | 1 200,00 ppm |
| 3a841 D-calcium pantothenate | 3 000,00 ppm |
| 3a890 Cholinchlorid | 30 000,00 ppm |
| 3a315 Niacinamid | 6 000,00 ppm |
| 3a831 Vitamin B ₆ | 1 000,00 ppm |
| Vitamin B ₁₂ | 4,00 ppm |
| 3a316 Folic acid | 260,00 ppm |
| 3a880 Biotin | 30,00 ppm |
| 3a710 Vitamin K ₃ | 480,00 ppm |
| 3a920 Betain | 50 000,00 ppm |
| Vitamin E as alpha-tocopherol 3a700 | 20 000,00 ppm |
| 3b405 (CuSO ₄ .5H ₂ O) as Cu | 18 000,00 ppm |
| 3b502 (MnO) as Mn | 12 000,00 ppm |
| 3b603 Zinc oxide (ZnO) as Zn | 30 000,00 ppm |
| 3b801 (Na ₂ SeO ₃) as Se | 90,00 ppm |
| <i>Technological additives in kg:</i> | |
| E 321 Butylhydroxytoluén (BHT) | 1 100,00 ppm |
| 1b320 Butylhydroxyanisol (BHA) | 220,00 ppm |
| <i>Zootechical additives in kg:</i> | |
| 4a1620i Endo-1,4 beta-Xylanase 3.2.1.8 | 220 000,00 vu |
| Proteázá serinu 4a13 (E.C. 3.4.21) | 3 000 000,00 u |
| 4a32 6-Fytázá (E.C. 3.1.3.26) | 300 000,00 ftu |

Usage:
PREMIX is for pigs. Dosage: 0,5% into complete feed mixture.
Store in dry place on wooden pallets.

Grower and Finisher

VVS px Pig Grower 0,3%

Components:

Limestone.

Analytical components:

| | |
|--|-------------------|
| Calcium | 22,19 % |
| <i>Nutritional additives in kg:</i> | |
| 3b101 (FeCO ₃) as Fe | 33 333,00 ppm |
| 3b202 (Ca (IO ₃) ₂ as I | 500,00 ppm |
| 3a672a Vitamin A | 2 333 333,00 i.u. |
| 3a671 Vitamin D ₃ | 500 000,00 i.u. |
| 3a821 Vitamin B ₁ | 667,00 ppm |
| Vitamin B ₂ | 1 000,00 ppm |
| 3a841 D-calcium pantothenate | 4 400,00 ppm |
| 3a890 Cholinchlorid | 53 333,00 ppm |
| 3a315 Niacinamid | 7 667,00 ppm |
| 3a831 Vitamin B ₆ | 867,00 ppm |
| Vitamin B ₁₂ | 67,00 ppm |
| 3a316 Folic acid | 167,00 ppm |
| 3a880 Biotin | 20,00 ppm |
| 3a710 Vitamin K ₃ | 1 900,00 ppm |
| 3a920 Betain | 53 333,00 ppm |
| Vitamin E as alpha-tocopherol 3a700 | 11 667,00 ppm |
| 3b405 (CuSO ₄ .5H ₂ O) as Cu | 4 000,00 ppm |
| 3b502 (MnO) as Mn | 20 000,00 ppm |
| 3b603 Zinc oxide (ZnO) as Zn | 30 000,00 ppm |
| 3b801 (Na ₂ SeO ₃) as Se | 100,00 ppm |
| <i>Technological additives in kg:</i> | |
| E 321 Butylhydroxytoluén (BHT) | 1 832,60 ppm |
| 1b320 Butylhydroxyanisol (BHA) | 366,52 ppm |
| <i>Zootechical additives in kg:</i> | |
| 4a32 6-Fytázá (E.C. 3.1.3.26) | 333 333,00 ftu |

Usage:
PREMIX is for pigs for fattening. Dosage: 0,3% into complete feed mixture.
Store in dry place on wooden pallets.

Maintenance and Lactating

VVS px Sow and Boar 0,3%

Components:

Limestone.

Analytical components:

| | |
|--|-------------------|
| Calcium | 18,45 % |
| <i>Nutritional additives in kg:</i> | |
| 3b101 (FeCO ₃) as Fe | 33 333,00 ppm |
| 3b202 (Ca (IO ₃) ₂ as I | 400,00 ppm |
| 3a672a Vitamin A | 3 333 333,00 i.u. |
| 3a671 Vitamin D ₃ | 666 667,00 i.u. |
| 3a821 Vitamin B ₁ | 1 067,00 ppm |
| Vitamin B ₂ | 1 733,00 ppm |
| 3a841 D-calcium pantothenate | 6 667,00 ppm |
| 3a890 Cholinchlorid | 53 333,00 ppm |
| 3a315 Niacinamid | 8 667,00 ppm |
| 3a831 Vitamin B ₆ | 1 333,00 ppm |
| Vitamin B ₁₂ | 67,00 ppm |
| 3a316 Folic acid | 667,00 ppm |
| 3a880 Biotin | 167,00 ppm |
| 3a710 Vitamin K ₃ | 2 400,00 ppm |
| 3a920 Betain | 53 333,00 ppm |
| Vitamin E as alpha-tocopherol 3a700 | 30 000,00 ppm |
| 3b405 (CuSO ₄ .5H ₂ O) as Cu | 5 000,00 ppm |
| 3b502 (MnO) as Mn | 20 000,00 ppm |
| 3b603 Zinc oxide (ZnO) as Zn | 33 333,00 ppm |
| 3b801 (Na ₂ SeO ₃) as Se | 117,00 ppm |
| <i>Technological additives in kg:</i> | |
| E 321 Butylhydroxytoluén (BHT) | 1 832,60 ppm |
| 1b320 Butylhydroxyanisol (BHA) | 366,52 ppm |
| <i>Zootechical additives in kg:</i> | |
| 4a1620i Endo-1,4 beta-Xylanase 3.2.1.8 | 366 740,00 vu |
| E 1620 Endo-1,3(4) beta-Glukanase 3.2.1.6 | 500 100,00 vu |
| 4a32 6-Fytázá (E.C. 3.1.3.26) | 500 000,00 ftu |

Usage:
PREMIX is for sows. Dosage: 0,3% into complete feed mixture.
Store in dry place on wooden pallets.

Starter

| Nutrient | Unit | Total amount |
|--------------------------------------|------|--------------|
| Crude Protein | G | 200,00 |
| Lysin | G | 11,70 |
| Methionin | G | 3,54 |
| Threonin | G | 7,92 |
| Tryptophan | G | 2,84 |
| Crude Fat | G | 77,54 |
| Crude Fiber | G | 35,65 |
| ME-Pigs | MJ | 13,00 |
| Crude Ash | G | 50,61 |
| Calcium | G | 7,20 |
| Phosphorus | G | 7,22 |
| P - available | G | 3,50 |
| Natrium | G | 1,90 |
| Potassium | G | 10,83 |
| Chlorids | G | 3,00 |
| Magnesium | G | 2,74 |
| 3b101 (FeCO3) as Fe | MG | 203,05 |
| 3b202 (Ca (IO3)2 as I | MG | 0,81 |
| 3a672a Vitamin A | M.J. | 6 304,64 |
| 3a671 Vitamin D3 | M.J. | 1 658,53 |
| Vitamin E | MG | 107,66 |
| 3a821 Vitamin B1 | MG | 6,96 |
| Vitamin B2 | MG | 5,28 |
| 3a841 D-Ca pantothenate | MG | 20,63 |
| 3a890 Cholinchlorid | MG | 1 311,43 |
| 3a315 Niacinamid | MG | 58,69 |
| 3a831 Vitamin B6 | MG | 8,70 |
| Vitamin B12 | MG | 0,02 |
| 3a316 Folic Acid | MG | 1,68 |
| 3a880 Biotin | MG | 0,21 |
| 3a300 Vitamin C | MG | 60,00 |
| 3a710 Vitamin K3 | MG | 2,00 |
| E 321 Butylhydroxytoluen (BHT) | MG | 3,75 |
| E 320 Butylhydroxyanisol (BHA) | MG | 1,25 |
| 3a700 Vitamin E jako alfa-tocopherol | MG | 98,10 |
| 3b405 (CuSO4.5H2O) as Cu | MG | 20,83 |
| 3b502 (MnO) as Mn | MG | 47,44 |
| 3b603 (ZnO) as Zn | MG | 130,75 |
| 3b801 (Na2SeO3) as Se | MG | 0,41 |

| Component | Unit | Total amount |
|-------------------------|------|--------------|
| VVS px Pig Starter 0,5% | % | 0,50 |
| Salt | % | 0,40 |
| Monocalciumphosphate | % | 0,50 |
| Limestone | % | 0,80 |
| Maize bran | % | 36,00 |
| Soyabean meal 48% | % | 8,00 |
| Maize meal | % | 37,00 |
| Soya FF | % | 8,00 |
| Wheat bran | % | 5,00 |
| Fish meal | % | 3,00 |
| Lysine | % | 0,60 |
| Methionine | % | 0,30 |
| Threonine | % | 0,30 |

The Basic management of newborn piglets

- Tail cutting, castration and Teeth trimming from 4-7 days of age
- Iron supplementation: 1-2 ml injection application into the muscle from the 3-10 days after birth
- Heating
- Creep feeding – our Starter mix from 7 days onwards

It is very important that newly-born piglets receive colostrum straight after birth to build up their natural resistance. Colostrum is the first milk that the sow produces after farrowing. If the sow dies whilst farrowing, the colostrum will have to be taken from another farrowing sow for the piglets. If they get no colostrum, their chance of survival is very small. Cow's or goat's milk can be given to the piglets. This is after the piglets have taken colostrum. The milk should not be diluted, as sow's milk is very concentrated. It should be warmed up to slightly above body temperature (37° - 40°C) in a pan lowered into a larger pan containing boiling water.

Feeding program for orphan piglets

| Day | No. of feeding times | Quantity each time (ml) |
|-------|----------------------|-------------------------|
| 1 | 5 | 30 |
| 2 | 5 | 40-45 |
| 3 | 4 | 60 |
| 4 | 4 | 70 |
| 5-7 | 3 | 80-100 |
| 8-9 | 3 | 120 |
| 10-11 | 3 | 140 |
| 12-14 | 3 | 160 |

As soon as possible, the orphan piglets should move onto regular food. This should be of good quality, protein-rich, and easily digestible. Note-despite the amount of care they receive, hand-reared piglets will never grow as fast as those reared by a mother sow.



VVS Grower and Finisher

- Pigs weaned at 3 - 5 weeks of 11 - 13 kg body weight should continue being fed on the starter diet until they reach 18 kg live weight. Pigs weaned at 7 weeks or older may be switched gradually to the weaner diet. All ration changes should be made gradually. If this is not possible the feeding level of the new diet should be low until the pigs become accustomed to it.
- Where post-weaning scours are a major problem, restricted feeding during the first week after weaning may reduce the incidents of scours.
- For treatment in case of an outbreak of scouring, medication through drinking water is preferable since sick pigs go off feed.

Grower

| Nutrient | Unit | Total amount |
|--------------------------------------|------|--------------|
| Crude Protein | G | 190,00 |
| Lysin | G | 10,30 |
| Methionin | G | 3,44 |
| Threonin | G | 7,62 |
| Tryptophan | G | 2,53 |
| Crude Fat | G | 46,47 |
| Crude Fiber | G | 34,79 |
| ME-Pigs | MJ | 12,90 |
| Crude Ash | G | 53,81 |
| Calcium | G | 6,50 |
| Phosphorus | G | 6,36 |
| P - available | G | 3,00 |
| Natrium | G | 1,70 |
| Potasium | G | 9,20 |
| Chlorids | G | 2,12 |
| Magnesium | G | 2,29 |
| 3b101 (FeCO3) as Fe | MG | 175,18 |
| 3b202 (Ca (IO3)2 as I | MG | 0,56 |
| 3a672a Vitamin A | M.J. | 6 267,69 |
| 3a671 Vitamin D3 | M.J. | 1 502,69 |
| Vitamin E | MG | 92,75 |
| 3a821 Vitamin B1 | MG | 5,08 |
| Vitamin B2 | MG | 4,89 |
| 3a841 D-Ca pantothenate | MG | 12,78 |
| 3a890 Cholinchlorid | MG | 1 167,05 |
| 3a315 Niacinamid | MG | 41,94 |
| 3a831 Vitamin B6 | MG | 6,61 |
| Vitamin B12 | MG | 0,02 |
| 3a316 Folic Acid | MG | 0,85 |
| 3a880 Biotin | MG | 0,19 |
| 3a300 Vitamin C | MG | 60,00 |
| 3a710 Vitamin K3 | MG | 2,00 |
| E 321 Butylhydroxytoluen (BHT) | MG | 3,75 |
| E 320 Butylhydroxyanisol (BHA) | MG | 1,25 |
| 3a700 Vitamin E jako alfa-tocopherol | MG | 77,55 |
| 3b405 (CuSO4.5H2O) as Cu | MG | 21,24 |
| 3b502 (MnO) as Mn | MG | 41,33 |
| 3b603 (ZnO) as Zn | MG | 108,86 |
| 3b801 (Na2SeO3) as Se | MG | 0,37 |

| Component | Unit | Total amount |
|------------------------|------|--------------|
| VVS px Pig Grower 0,3% | % | 0,30 |
| Salt | % | 0,40 |
| Monocalciumphosphate | % | 0,50 |
| Limestone | % | 1,30 |
| Maize bran | % | 38,00 |
| Soyabean meal 48% | % | 11,00 |
| Maize meal | % | 35,00 |
| Soya FF | % | 8,00 |
| Wheat bran | % | 5,00 |
| Lysine | % | 0,50 |
| Methionine | % | 0,30 |
| Threonine | % | 0,20 |

Finisher

| Nutrient | Unit | Total amount |
|--|------|--------------|
| Crude Protein | G | 190,00 |
| Lysin | G | 10,30 |
| Methionin | G | 3,44 |
| Threonin | G | 7,62 |
| Tryptophan | G | 2,53 |
| Crude Fat | G | 46,47 |
| Crude Fiber | G | 34,79 |
| ME-Pigs | MJ | 12,90 |
| Crude Ash | G | 53,81 |
| Calcium | G | 6,50 |
| Phosphorus | G | 6,36 |
| P - available | G | 3,00 |
| Natrium | G | 1,70 |
| Potasium | G | 9,20 |
| Chlorids | G | 2,12 |
| Magnesium | G | 2,29 |
| 3b101 (FeCO3) as Fe | MG | 175,18 |
| 3b202 (Ca (IO3)2 as I | MG | 0,56 |
| 3a672a Vitamin A | M.J. | 6 267,69 |
| 3a671 Vitamin D3 | M.J. | 1 502,69 |
| Vitamin E | MG | 92,75 |
| 3a821 Vitamin B1 | MG | 5,08 |
| Vitamin B2 | MG | 4,89 |
| 3a841 D-Ca pantothenate | MG | 12,78 |
| 3a890 Cholinchlorid | MG | 1 167,05 |
| 3a315 Niacinamid | MG | 41,94 |
| 3a831 Vitamin B6 | MG | 6,61 |
| Vitamin B12 | MG | 0,02 |
| 3a316 Folic Acid | MG | 0,85 |
| 3a880 Biotin | MG | 0,19 |
| 3a300 Vitamin C | MG | 60,00 |
| 3a710 Vitamin K3 | MG | 2,00 |
| E 321 Butylhydroxytoluen (BHT) E 320 | MG | 3,75 |
| Butylhydroxyanisol (BHA) | MG | 1,25 |
| 3a700 Vitamin E jako alfa-tocopherol 3b405 (| MG | 77,55 |
| CuSO4.5H2O) as Cu | MG | 21,24 |
| 3b502 (MnO) as Mn | MG | 41,33 |
| 3b603 (ZnO) as Zn | MG | 108,86 |
| 3b801 (Na2SeO3) as Se | MG | 0,37 |

| Component | Unit | Total amount |
|------------------------|------|--------------|
| VVS px Pig grower 0,3% | % | 0,30 |
| Salt | % | 0,40 |
| Monocalciumphosphate | % | 0,20 |
| Limestone | % | 1,00 |
| Maize bran | % | 39,00 |
| Soyabean meal 48% | % | 3,00 |
| Maize meal | % | 40,00 |
| Soya FF | % | 8,00 |
| Wheat bran | % | 8,00 |
| Lysine | % | 0,30 |
| Methionine | % | 0,15 |
| Threonine | % | 0,10 |

VVS Maintenance and Lactating sows

- **Dry/pregnant Sows and Gilts: Dry sows and gilts give 2.5/kg day of sow and boar meal.**
- **Give extra 1kg/day one week before serving gilts and sows and one week after service.**
- **Give boars 2.0 kg/day. If the boar is regularly used give it 2.5 Kg.**
- **Give lactating sows 2.5 kg/day of Lactating sows meal for maintenance and 0.25 kg/day extra for each piglet being suckled.**

Sow and Boar

| Nutrient | Unit | Total amount |
|--|------|--------------|
| Crude Protein | G | 150,00 |
| Lysin | G | 7,00 |
| Methionin | G | 2,86 |
| Threonin | G | 6,01 |
| Tryptophan | G | 1,98 |
| Crude Fat | G | 41,55 |
| Crude Fiber | G | 34,02 |
| ME-Pigs | MJ | 12,60 |
| Crude Ash | G | 57,55 |
| Calcium | G | 8,00 |
| Phosphorus | G | 6,38 |
| P - available | G | 3,20 |
| Natrium | G | 1,80 |
| Potasium | G | 7,62 |
| Chlorids | G | 2,36 |
| Magnesium | G | 2,21 |
| 3b101 (FeCO ₃) as Fe | MG | 168,10 |
| 3b202 (Ca (IO ₃) ₂ as I | MG | 0,57 |
| 3a672a Vitamin A | M.J. | 12 009,49 |
| 3a671 Vitamin D3 | M.J. | 1 651,37 |
| Vitamin E | MG | 110,82 |
| 3a821 Vitamin B1 | MG | 6,56 |
| Vitamin B2 | MG | 6,69 |
| 3a841 D-Ca pantothenate | MG | 29,96 |
| 3a890 Cholinchlorid | MG | 882,13 |
| 3a315 Niacinamid | MG | 44,28 |
| 3a831 Vitamin B6 | MG | 9,85 |
| Vitamin B12 | MG | 0,04 |
| 3a316 Folic Acid | MG | 0,92 |
| 3a880 Biotin | MG | 0,40 |
| 3a300 Vitamin C | MG | 40,00 |
| 3a710 Vitamin K3 | MG | 2,50 |
| E 321 Butylhydroxytoluen (BHT) | MG | 3,75 |
| E 320 Butylhydroxyanisol (BHA) | MG | 1,25 |
| 3a700 Vitamin E jako alfa-tocopherol | MG | 91,30 |
| 3b405 (CuSO ₄ .5H ₂ O) as Cu | MG | 20,51 |
| 3b502 (MnO) as Mn | MG | 39,33 |
| 3b603 (ZnO) as Zn | MG | 115,14 |
| 3b801 (Na ₂ SeO ₃) as Se | MG | 0,36 |

Lactating sows

| Nutrient | Unit | Total amount |
|--|------|--------------|
| Crude Protein | G | 175,00 |
| Lysin | G | 8,80 |
| Methionin | G | 3,19 |
| Threonin | G | 7,04 |
| Tryptophan | G | 2,36 |
| Crude Fat | G | 52,53 |
| Crude Fiber | G | 32,24 |
| ME-Pigs | MJ | 13,00 |
| Crude Ash | G | 55,85 |
| Calcium | G | 7,60 |
| Phosphorus | G | 6,71 |
| P - available | G | 3,50 |
| Natrium | G | 2,00 |
| Potasium | G | 8,42 |
| Chlorids | G | 2,61 |
| Magnesium | G | 2,14 |
| 3b101 (FeCO ₃) as Fe | MG | 181,12 |
| 3b202 (Ca (IO ₃) ₂ as I | MG | 0,69 |
| 3a672a Vitamin A | M.J. | 12 024,48 |
| 3a671 Vitamin D3 | M.J. | 2 403,76 |
| Vitamin E | MG | 120,83 |
| 3a821 Vitamin B1 | MG | 6,81 |
| Vitamin B2 | MG | 6,78 |
| 3a841 D-Ca pantothenate | MG | 31,83 |
| 3a890 Cholinchlorid | MG | 1 083,48 |
| 3a315 Niacinamid | MG | 37,31 |
| 3a831 Vitamin B6 | MG | 10,10 |
| Vitamin B12 | MG | 0,04 |
| 3a316 Folic Acid | MG | 1,26 |
| 3a880 Biotin | MG | 0,52 |
| 3a300 Vitamin C | MG | 50,00 |
| 3a710 Vitamin K3 | MG | 3,75 |
| E 321 Butylhydroxytoluen (BHT) | MG | 1,25 |
| E 320 Butylhydroxyanisol (BHA) | MG | 103,57 |
| 3a700 Vitamin E jako alfa-tocopherol | MG | 21,73 |
| 3b405 (CuSO ₄ .5H ₂ O) as Cu | MG | 71,11 |
| 3b502 (MnO) as Mn | MG | 128,74 |
| 3b603 (ZnO) as Zn | MG | 0,43 |

| Component | Unit | Total amount |
|-------------------------|------|--------------|
| VVS pxSow and Boar 0,3% | % | 0,30 |
| Salt | % | 0,40 |
| Monocalciumphosphate | % | 0,40 |
| Limestone | % | 1,20 |
| Maize bran | % | 44,00 |
| Soyabean meal 48% | % | 3,00 |
| Maize meal | % | 26,00 |
| Soya FF | % | 8,00 |
| Wheat bran | % | 16,00 |
| Lysine | % | 0,25 |
| Methionine | % | 0,10 |
| Threonine | % | 0,15 |

| Component | Unit | Total amount |
|-------------------------|------|--------------|
| VVS pxSow and Boa r0,3% | % | 0,30 |
| Salt | % | 0,40 |
| Monocalciumphosphate | % | 0,90 |
| Limestone | % | 1,30 |
| Maize bran | % | 34,00 |
| Soyabean meal 48% | % | 11,00 |
| Maize meal | % | 37,00 |
| Soya FF | % | 8,00 |
| Wheat bran | % | 6,00 |
| Lysine | % | 0,45 |
| Methionine | % | 0,30 |
| Threonine | % | 0,15 |



Additional ingredients

Organic minerals

Organic minerals play a significant role in pig nutrition due to their increased bioavailability and potential to improve overall health and productivity. Unlike inorganic minerals, organic minerals are bound to organic molecules, which enhances their absorption and utilization by the pig's body. Organic minerals are an important particle in the improvement of the feed conversion ratio (FCR).

Overall, incorporating organic minerals into pig diets can lead to improved growth performance, enhanced immune function, optimized reproductive performance, and reduced environmental impact. By maximizing mineral bioavailability and utilization, organic minerals contribute to better feed conversion ratios and overall profitability in pig production systems.

®

The logo for VWS, consisting of the letters 'VWS' in a bold, white, sans-serif font. The letters are enclosed within a thick, light green oval border. The 'V' and 'W' are connected, and the 'S' is a simple, rounded shape.

VWS