

Fertimin Se®

Solución Inyectable

Optimiza el desarrollo y la fertilidad de tu ganado

Suplemento de
Minerales Orgánicos

FÓSFORO

YODO

SELENIO

ZINC

MANGANESO

COBALTO



Fertimin Se®

Solución Inyectable

Solución Mineral Inyectable

contiene Fósforo, Yodo, Zinc, Selenio, Manganeso y Cobalto.

Beneficios de Fertimin Se®

- Favorece la aparición de celos y disminuye los problemas de fertilidad causados por deficiencias minerales.
- Aumenta las tasas de concepción y preñez.
- Disminuye los **intervalos entre partos**.
- Incrementa la calidad seminal y libido en los machos.
- Previene la incidencia de retención de placenta, prolapsos uterinos, mastitis y metritis.

FÓSFORO
YODO
ZINC
SELENIO
MANGANESO
COBALTO



GANADO CRIADO AL PASTOREO



Deficiencia de minerales



Menor Fertilidad



GANADO CRIADO AL PASTOREO con Fertimin Se®



+



Concentración óptima de minerales



Mayor Fertilidad



Productos Veterinarios de Clase Única



agrovetermarket
animalhealth



Fertimin Se®

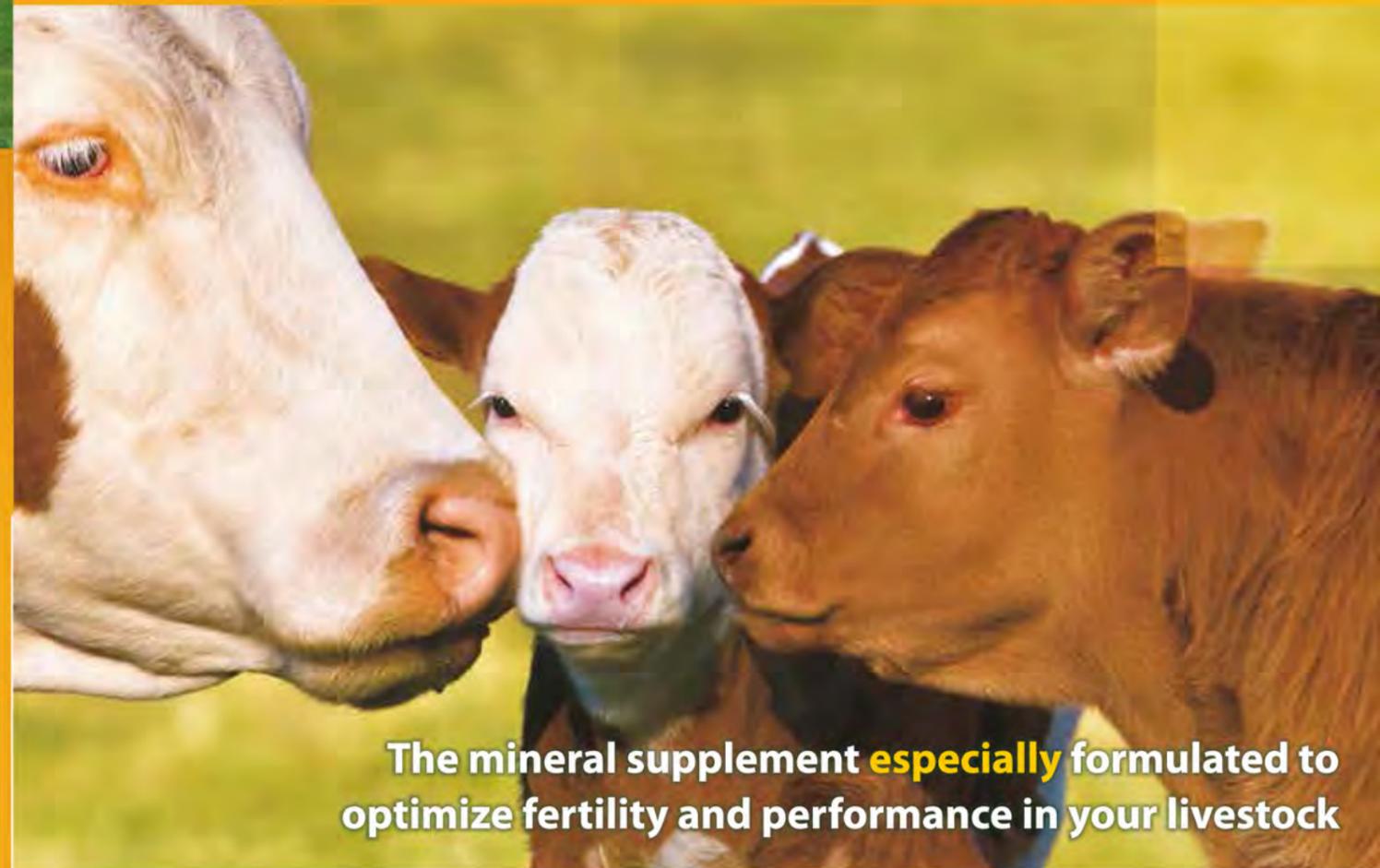
- Increases conception and pregnancy rates
- Decreases periods between births and estrus onset
- Increases seminal quality and male libido
- Improves nutritional condition during pregnancy, nursing and growth
- Prevents placenta retention, uterine prolapse, mastitis and metritis
- Optimizes metabolic activity during production
- For the treatment of animals with mineral deficiencies

Fertimin Se®
Injectable Solution
Mineral Supplement - Aid for Metabolic and Reproductive Disorders

FORMULATION: Phosphorylcholine 100.160 mg; Cobalt Gluconate 0.080 mg; Zinc sulphate heptahydrate 1.800 mg; Manganese gluconate dehydrate 2.280 mg; Sodium Selenite 0.340 mg; Potassium iodine 1.100 mg. excipients q.s.ad 1mL. **DESCRIPTION AND CHARACTERISTICS:** Fertimin Se® is an essential injectable multiminerall solution for the correct function of several organic and metabolic processes, especially the ones related with animal reproduction. The minerals content in Fertimin Se® formula have a higher incidence for good reproductive performance in animals and its administration is associated with correct reproductive parameters. **TARGET SPECIES:** This formulation is developed to be used in cattle, horses, swine, camelids, sheep, goats and dogs. **INDICATIONS:** Fertimin Se® is indicated for prevention and treatment of the lack of minerals in the formulation such as hypomagnesaemia, rickets, phosphorus deficiency, also as an aid for treatment of reproductive disorders. It can help to prevent the incidence of placenta retention, uterine prolapse, mastitis, metritis. It helps heat initiation, higher fertility indexes, increase on the conception and pregnancy rates, decreasing the birth intervals, increase on the quality of semen and libido in males. Supplementation with Fertimin Se® promotes the development in animals with mineral deficit (extreme weather conditions, poor food, animals with parasites, etc). It improves the nutritional conditions in pregnancy, milking, growth and development. **Phosphorus:** It is necessary for the transference and energy use in organic processes including the reproductive processes. It participates in the hormonal synthesis of phospholipids and ATP and cyclic AMP. The lack of phosphorus is related with a low reproductive performance (static ovarian, delay on the start of sexual activity and low rates of conception, irregular estral cycle, increase on follicular cysts, disorders on the estrum presentation and decrease on the ovarian activity). **Cobalt:** It is a component of cyanocobalamin and hydroxocobalamin, which are some forms of Vitamin B12. Vitamin B12 is synthesized by the rumen microflora. The signs of cobalt lack on ruminants are not specific, there can be decreased appetite, loss of weight and failure in the growth; also a poor wool production. **Zinc:** It is a cofactor for the RNA and DNA polymerase. Is essential for the function of the immune system, fat acids synthesis and protein production. It is part of the enzymes that protect the cells from the damages caused by oxidation. Essential part of the enzymes involved in the steroidogenesis and the testosterone synthesis. The zinc deficiency is reflected in the metabolism disorder of the carbohydrates, proteins, lipoids and nucleic acids and in the prostaglandin synthesis affecting the luteal function directly. **Manganese:** It is important in the antioxidant system as a part of the manganese superoxide dismutase enzyme. Associated to the development and growth of the bone and cartilages tissues since this is part of the galacto transferase and glycotransferase enzymes, these are the responsible to stimulate the production of mucopolysaccharides and glycoprotein basic for the development of the structures. The manganese lack changes the reproductive processes causing anestrus, delay on the ovulation, irregular return to strum, ovarian cysts, poor follicular development, silence and short heats, reduction in the conception rates, ovarian atrophy, delay on puberty, birth of weak animals or with locomotion disorders or paralysis. **Selenium:** It is an important part of the glutathione peroxidase enzyme (GTP). The antioxidant action of GTP is reflected, among other, in the ovulation process, protecting the oocyte from the oxidative damage caused by the intrinsic process of the follicular rupture and the proteolysis enzymes action present in the uterine horn lumen. It induces the migration of leucocytes and white cells in general to places where are disorders in the cell membrane by action of free radicals functioning as a chemotactic factor for the defense cells of the organism. It can prevent the presentation of metritis and infections related to the reproductive tract thus reduce the average of fetal membrane retention. The lack of selenium is reflected by the increase in the abortions average and early embryo death, number of newborn dead, calves born weak, increase on the cystic ovarian presentation, silence heat, spermatogenesis inhibition, increase of "open days", decrease on the growth rate and increase on the susceptibility to infections of different cause. **Iodine:** It is main component on the thyroid hormones (thyroxine and triiodide thyronine) associated with the thermo regulation, intermediate metabolism, reproduction, growth and development, hematopoietic and blood circulation and neuromuscular function. The lack of this mineral at a reproductive level, cause heat suppression, increase of newborn dead, abortions, increase of fetal membrane retention, long pregnancies. **DOSAGE:** Deep intramuscular route at a rate of 1mL every 20 Kg of body weight. Amounts larger than 10 mL, must be divided. **WITHDRAWAL PERIOD:** It does not requires a withdrawal period. **CONTRAINDICATIONS:** There have not been contraindications during pregnancy and milking. Do not administer to animals with known hypersensitivity history to any of the ingredients on the formula. **INTERACTIONS:** It has not been described. **OVERDOSAGE:** Since all the components are innocuous, it is almost impossible to produce over dosage although in that case is recommended to suspend the administration and begin the symptomatic treatment. **PRECAUTIONS:** Do not use by other route than the one indicated. Keep out of reach of children. Agrovet Market S.A. is not responsible for the consequences caused by the different use (of the product) that indicated on the leaflet. **STORAGE:** Keep in a dry cool place, protected from light exposure. Store between 8°C and 30°C. Do not freeze. Keep out of reach of children. **COMMERCIAL PRESENTATION:** Flask x 50, 100 and 250 mL.

Fertimin Se®

Ensures performance and fertility



The mineral supplement **especially** formulated to optimize fertility and performance in your livestock

PHOSPHORUS

IODINE

ZINC

SELENIUM

MANGANESE

COBALT



Fertimin Se[®] Injectable Solution



Fertimin Se[®]

Natural pastures are deficient in mineral concentration, thus animals fed with these pastures do not receive proper mineral amounts for their normal performance and also show different organic and metabolic disorders; especially those related to fertility, dramatically decreasing its rate.

Why Fertimin Se[®]?

Fertimin Se[®] is an injectable mineral solution especially formulated to improve fertility in livestock. Its six-mineral formula gives livestock the proper amount of minerals and restores the organism balance.

Fertimin Se[®] plays an important role during estrus, birth and nursing; improving female and male reproductive parameters.

When to use Fertimin Se[®]

- ✓ To solve fertility disorders and other problems caused by mineral deficiency.
- ✓ Need a higher mineral intake due to production and reproduction requirements.



PHOSPHORUS

The phosphorus supplied in Fertimin Se[®] comes from Phosphorylcholine, a nitrogen source which plays an important role in DNA and cell membrane synthesis. Phosphorus is a substance easily incorporated into the cellular metabolism, promoting recovery of animals with fertility problems caused by phosphorus deficiency.

The lack of this mineral is associated with:
Females: Lowered reproductive performance, delayed start of sexual activity, decreased rate of conception, altered estral cycle, increased presence of follicular cysts and decreased ovarian activity.
Males: Decreased libido, seminal fluid alterations and decreased sperm motility.

IODINE

It is the main component of the thyroid hormones; associated with thermo regulation, intermediate metabolism, reproduction, growth, development and blood circulation. In the reproductive aspect, the lack of Iodine causes heat suppression, increased newborn death and abortions, increased fetal membrane retention and prolonged pregnancies.

MANGANESE

It is associated with the bone and cartilage development and growth by stimulating production of their basic elements, mucopolysaccharides and glycoproteins.

Manganese lack affects the reproductive processes causing anestrus, altered estrus, delayed ovulation, ovarian cysts, lowered follicular development, silent and short heats, decreased conception rates, atrophied ovarian tissues, delayed puberty, newborn weakness or locomotion disorders and even paralysis.

In pigs: Ataxia (imbalance), slow growth and loss of sense.

Fertimin Se[®] a six - mineral supplement with the power to restore and improve balance in the organism.

COBALT

Cobalt is a catalyst of some enzymatic functions and a very important component of Vitamin B12. The microorganisms in the rumen need it to synthesize vitamins.

Its lack produces decreased appetite, loss of weight and lowered growth, severe anemia and even death, decreasing production income. In sows, cobalt deficiencies cause Vitamin B12 deficiency which decreases reproductive efficiency.

ZINC

Zinc plays an important role in livestock development and production. **Females:** Its lack affects all reproductive stages, including estrus, birth and nursing. It produces non-viable ova or failed ovulation and oocyte maturation, delayed puberty, fetal anomalies, fetal membrane retention and mastitis.

Males: Its lack affects the spermatogenesis, testicular growth and the development of primary and secondary sexual organs.

SELENIUM

Its deficiency leaves the organism exposed to a number of diseases that represent higher costs for milk production, such as fetal membrane retention, delayed uterine involution and mastitis.

The lack of selenium is also reflected in the increased abortion rate and early embryo death, increased number of dead newborns, calves born weak, increase of cystic ovarian presentation, silent heat, spermatogenesis inhibition, decreased growth rate and increased susceptibility to all kinds of infections.



Pasture - raised livestock



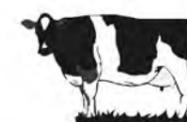
Mineral deficiencies



Fertility



Pasture - raised livestock + Fertimin Se[®]



Adequate amount of minerals



Fertility

