

Fertility Tabs



Article number
110001

Animal species
pigs

Content
5 kg
ca. 1000 tab.

GMP+ FSA assured
GMO controlled
PDV103322

Sow fertility

The performance indicator that contributes most to the gross margin of the sow farmer is the number of liveborn piglets (Van Gansbeke et al. 2011). To produce a large number of liveborn piglets, the fertility of sows needs to be optimized. Minerals play an important role in fertility, and microminerals – or trace elements – also require a lot of attention (Peters & Mahan 2008). The most important trace elements are copper, manganese, zinc, iodine, iron, cobalt and selenium. Manganese is essential for reproduction and metabolism; a shortage of Mn leads to weak newborn piglets, irregular oestrus, and depressed milk production. A shortage of Zn is known to extend the parturition process, resulting in more stillborn piglets and small litters containing weak piglets. Iodine deficiency also prolongs the parturition process, with all negative consequences attached to this (Boehringer Ingelheim, 2013).

Scientific evidence shows that high prolific sows require more (micro)minerals than low performing sows. In the past 20 years, the piglet production per sow per year has increased by over 30% (Boehringer Ingelheim, 2013). This implies a growing importance of the supply of minerals and trace elements to sows. Organically bound trace elements provide benefits, because they are better absorbed and utilized in the body.

Topro Fertility Tabs

To support sow and gilt fertility, Topro Fertility Tabs have been developed to supply the animal with the required (organically bound) trace elements. Especially manganese, zinc, iodine and selenium exhibit beneficial effects on fertility, the parturition process, and the number of liveborn piglets. Also, selenium is known for its antioxidant function.

In practical trials it is shown that the use of Topro Fertility Tabs results in a 10% increase in the number of liveborn piglets. Additionally, the number of re-inseminations diminishes, the birth weights are more uniform, and the insemination period is shortened (Miavit, 2011).

Composition

Sweet whey powder, potato starch, dextrose, calcium carbonate, yeast, dicalcium phosphate, sodium chloride, vegetable fat and magnesium stearate.

Added per kg

Compounds of trace elements

• Copper	2.500 mg
• Manganese	5.250 mg
• Zinc	5.250 mg
• Iodine	300 mg
• Selenium	50 mg

Directions for use

Sows and gilts: Twice daily, administer two tablets during feeding, from weaning up to insemination, for a maximum period of five days. Gilts transferred to the mating room should also be given Topro Fertility Tabs for five days. In cases of anoestrus, the tablets may be administered for an additional ten days.





Fertility Tabs

Product characteristics	Benefits
Copper	Important for growth and health
Zinc	Important for fertility Affects hormone metabolism Deficiency will lead to prolonged parturition process, more stillborn piglets, and smaller litters containing weak piglets
Manganese	Plays an important role in reproduction Shortage leads, among other problems, to weak newborn piglets
Iodine	Essential component of thyroid hormones (T3 and T4) Deficiency leads to, among other things, non-viable piglets and prolonged parturition process
Selenium	Important for growth, immune responses and fertility Important antioxidant Deficiency leads to, among other things, decreased milk production, smaller litters containing weak piglets, prolonged birth process
Organically bound	Organically bound microminerals are very well absorbed and utilized in the body
Tablet form	Easy to administer Correct dosage Excellent uptake