Introducing MATRIX™ (altrenogest), a dramatic new breakthrough in swine production. Now, for the first time, you can take control of the most important factor in your production chain—your breeding program.

Your breeding herd is the most important segment in your operation, because it has the greatest effect on pig flow, production volume and herd health. Just a small change in the number of animals bred each week can have an enormous impact on the farrowing crate utilization, number of pigs per sow, number of pigs weaned per week, reduction in variation and overall profitability. And new MATRIX can help you maximize those numbers.

MATRIX is the only product that lets you synchronize estrus in your gilt pool for maximum operational efficiency. You can bring your gilt pool into heat when it’s most convenient and efficient for you. They come into heat during the same period, are bred at the same time and farrow on the same schedule. Their pigs are weaned together, grow together, finish together and are delivered to the packer together. You’ll have better flow management, with less variation, and your packer will receive a more consistent product.

You can plan breeding and farrowing to fit your schedule, with predictable pig flow throughout the production chain. With MATRIX, you’ll save labor costs, streamline your operation, improve production efficiency and increase profitability.

Make Their Schedule Fit Your Schedule.
**MATRIX™ (altrenogest)**

Net Contents: 1000 mL

**Drug Facts:**

**Active ingredients:** Altrenogest solution 0.22% (2.2 mg/mL)

**Use:** For synchronization of estrus in sexually mature gilts that have had at least one estrus cycle. Treatment with altrenogest solution 0.22% results in estrus (standing heat) 4 to 9 days after completion of the 14-day treatment period.


**WARNINGS:**

**User/Handler Safety:**

Keep this and all medication out of the reach of children.

Avoid skin contact. Wear vinyl, polyethylene, neoprene, butyl or nitrile protective gloves when handling this product. Pregnant women or women who suspect they are pregnant should not handle MATRIX™ (altrenogest) Solution 0.22%.

**DISPENSING INSTRUCTIONS:**

Administer 6.8 ml of MATRIX per gilt once daily for 14 consecutive days as a top dressing in their daily feed allowance.

**ADVERSE REACTIONS AND POTENTIAL SAFETY HAZARDS:**

**Environmental Safety:** Place empty drug containers and used syringes, protective gloves or other articles that come in contact with this product in a leak-resistant container for disposal in accordance with applicable Federal, state and local regulations.

**Adverse Reactions and Potential Safety Hazards:**

Underfeeding of MATRIX™ may lead to the occurrence of cystic follicles.

**When Using This Product:** A small percentage (less than 5%) of treated gilts may exhibit estrus (standing heat) during the 14-day treatment period. Gilts nearing estrus at the start of the 14-day treatment period may express estrus early in that period.

**Dosage and Directions:** When using protective gloves, remove shipping cap and seal; replace with enclosed plastic dispensing cap. Remove cover from bottle dispensing tip and contact with this product in a leak-resistant container for disposal in accordance with applicable Federal, state and local regulations.

**ADVERSE REACTIONS:**

**Effects of Overexposure:** There has been no human use of this specific product. The information contained in this section is extrapolated from data available on other products of the same pharmacological class that have been used in humans. Effects anticipated are due to the progestational activity of altrenogest. Acute effects after a single exposure are possible; however, continued daily exposure has the potential for more untoward effects such as disruption of the menstrual cycle, uterine or abdominal cramping, increased or decreased uterine bleeding, prolongation of pregnancy and headaches. The oil base may also cause complications if swallowed. In addition, the list of people who should not handle this product is based upon the known effects of progestins used in humans on a chronic basis.

**Questions? Comments?**

• To report a suspected adverse reaction, call 1-800-548-2423.

• To obtain product information, including material safety data sheet (MSDS), call 1-800-441-8272.

Manufactured by: DPT Laboratories, Inc., San Antonio, TX 78215

Distributed by: Intervet Inc., Millsboro, DE 19966

©2003 Intervet Inc. • 9603 0168 • Part #6005
Now your gilts will come into heat on YOUR schedule.
With new MATRIX™ (altrenogest).
Get your gilts working normal business hours.

Until now, producers have had to depend strictly on nature for sequencing breeding and farrowing schedules. That required continually checking estrus in breeding stock, inseminating at varying schedules, and having manpower available seven days a week.

But now, with new MATRIX, you can synchronize and schedule estrus, put breeding and farrowing on a predictable timetable, maximize pig flow and increase profitability.

With MATRIX, your gilt pool will come into heat within a 4- to 9-day window. Semen delivery can be scheduled for maximum potency, and the breeding process is greatly streamlined, more efficient and more profitable.

Reduce costs and increase profitability.

New MATRIX can potentially lower your labor costs, dramatically reducing heat checking and virtually eliminating weekend breeding and farrowing. You’ll no longer have to constantly heat check all gilts in the breeding pool, because treated gilts need to be checked only after MATRIX is discontinued.

With MATRIX, up to 85% of your treated gilts will be in estrus within 4-9 days after MATRIX withdrawal. And the benefits of having such a high percentage of gilts coming into heat in such a short, predictable period can impact your bottom line in a number of ways.

First, research shows farrowing rates can improve.

Second, you can potentially reduce the number of gilts needed to meet breeding targets. With MATRIX, the standard 3:1 ratio can often be reduced by one-third to one-half. Fewer replacement gilts means more hogs for market and fewer outside animal purchases, reducing potential disease introduction into your herd.

Third, with a more efficient gilt pool, you can be more selective about which sows to breed. And that can improve your genetic base.

In short, MATRIX gives you more. More efficient breeding. More efficient gilt pool management. More efficient use of labor. And more predictable pig flow.
**New MATRIX™ works like nothing else.**

New MATRIX (altrenogest) is a synthetic progestagen, the only product of its kind on the market for the suppression and synchronization of estrus. Progesterone is a naturally occurring steroid hormone with the primary function of maintaining pregnancy. MATRIX can reduce normal biological variations in reproduction and improve production efficiency.

Non-pregnant gilts and sows normally have a 21-day estrus cycle, and heat usually lasts 24 to 48 hours. Natural progesterone concentrations increase about 24 hours after ovulation, and plateau between 6 and 10 days of the estrus cycle. If developing embryos aren’t present in 12 to 14 days, the progesterone level decreases rapidly.

Administering the synthetic progestagen MATRIX for 14 days in the feed will effectively synchronize estrus in an entire selected group of gilts. MATRIX effectively mimics progesterone, so when females are fed MATRIX they will not come into heat. Because progesterone works by suppressing LH (luteinizing hormone) secretion, the final stages of follicular growth are blocked. When MATRIX is withdrawn from the feed, follicle growth begins again.
For females near the end of their cycle, days 15 to 18, after progesterone has reached undetectable levels, MATRIX inhibits heat until withdrawn 14 days later.

Percent of gilts in estrus in gilts fed 15 mg of altrenogest per day for 14 days on four commercial swine operations (adapted from Intervet, 1999):¹

After the MATRIX treatment period ends, up to 85% of cyclic gilts will reach estrus within 4 to 9 days.

Percent of gilts in estrus in gilts fed 15 mg of altrenogest per day for 14 days on four commercial swine operations (adapted from Intervet, 1999):¹

Synchronize your gilts. Synchronize your operation.

No other product delivers reliable control of estrus for predictable breeding schedules and pig flow, resulting in reduced labor costs, maximum operating efficiency and higher profitability. Fact is, MATRIX is the only product on the market that allows you to synchronize your females.

PG 600° and MATRIX.

To reach breeding goals, a program of PG 600 and MATRIX may be used. If replacement gilts are not cycling, PG 600 will induce fertile estrus in healthy, prepuberal gilts, over 5 ½ months of age and weighing at least 187 lb.; or in healthy, weaned sows experiencing a delayed return to estrus. If gilts are not mated during their first estrus, then MATRIX can be used.

Intervet’s swine reproduction management program.

Intervet has a comprehensive line of outstanding products for total swine herd health, including vaccines, anthelmintics, ectoparasiticides, growth promotants and reproductive hormones.

Make Their Schedule Fit Your Schedule.