

SenesTech Taking Orders for Evolve™ Soft Bait for Rodent Fertility Control

The first and only soft bait product featuring breakthrough, next generation technology that targets rodent populations by using nonlethal methods to restrict fertility.

PHOENIX, Nov. 1, 2023 /PRNewswire/ -- SenesTech, Inc. (NASDAQ: SNES), the leader in fertility control to manage animal pest populations, announces today the Company is now taking orders from commercial customers for Evolve™ Soft Bait ("Evolve™"), a solution designed to reduce fertility in rats, for shipment on or before November 13th. The Company already has received advanced purchase commitments from key customers.

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The minimum-risk solution is the first and only soft bait developed to control pest populations using a breakthrough technology that targets the rat population where it starts, by restricting fertility through nonlethal methods.

Evolve targets the root cause of pest problems—rats' ability to rapidly reproduce. The solution controls the population by controlling the fertility of rats, rather than trying to keep up with the growing numbers of an infestation. The active ingredient in Evolve™ effectively reduces fertility in rodents in numerous independent studies.

Evolve is highly palatable to rats, easy to deploy, and offers diverse placement in many different environments including municipalities, parks, recreation facilities, sports venues, food processing facilities, correctional facilities, subways, medical facilities, agribusiness, zoos and residential locations.

Evolve is priced competitively to rodenticide alternatives.

"Evolve was developed to offer customers a soft bait product that has similar efficacy to ContraPest®, but in a format that is easier to deploy and that they can use daily in their integrated pest management programs," said Joel Freundt, SenesTech's president and CEO. "Evolve is also suited for use by consumers, and we expect to announce partnerships with e-commerce providers and big box retailers by the end of the year."

"Evolve's active ingredient, gossypol, derived from cottonseed, has a well-documented record of efficacy, and was developed under the EPA's minimum risk rules, also known as '25B'", said Dan Palasky, SenesTech's Chief Technical Officer. "We will be publishing a white paper summarizing this data, as well as continuing to perform our own field tests."

For further information, visit senestech.com/evolve, or see the Frequently Asked Questions below.

FREQUENTLY ASKED QUESTIONS

1. What is Evolve?

- a. Evolve is a soft bait contraceptive for rats developed by SenesTech. Its active ingredient, cottonseed oil, inhibits fertility to reduce their population.

2. How does Evolve work?

- a. Cottonseed oil, the active ingredient extracted from cotton plants (genus *Gossypium*), contains a compound called gossypol which affects fertility in rats. The compound interferes with the reproductive mechanisms in both male (sperm count and motility) and female rats (longer estrous cycles and reduced follicles), thereby controlling their population.

3. Where can Evolve be deployed?

- a. Evolve can be used anywhere rats are found! Simply place two to 12 pieces per location and update based upon rat activity levels.
- b. We recommend that Evolve be secured in tamper-resistant bait stations in areas where there's potential exposure to children, pets, wildlife, or other non-target species.
- c. Refer to label and SDS for further information.

4. Does Evolve work on other species?

- a. Evolve is currently only for rats. SenesTech is expanding to other species soon, so be on the lookout for new products!

5. Does Evolve pose an exposure risk to non-target animals?

- a. The low gossypol levels in Evolve are designed for the body mass of rats so larger mammals would need to repeatedly ingest a substantial amount over several weeks to see any effects.
- b. Birds appear to be more tolerant of gossypol as they have different intestinal tracks and modes of digestion.

6. After consumed by rats, how long does Evolve stay in their system?

- a. In rats, gossypol has a corresponding half-life of approximately three days after consumption and is mostly excreted via feces with a small amount through urine.

7. How much Evolve does a rat need to eat to take effect?

- a. The target is for rats to eat one piece of Evolve bait per day. Evolve has a cumulative effect, so the more a rat consumes and the longer they consume the greater the results on their fertility.

8. When can I expect results with Evolve?

- a. Evolve's effects on the population begin after one to two breeding cycles (four to six weeks), resulting in reduced pregnancies and less pups born.
- b. Upon cessation of treatment, rats will regain their fertility within approximately six weeks.

9. Why use Evolve?

- a. Evolve is a non-lethal way to control rat population levels. It is highly palatable to rats, easy to deploy, and offers diverse placement in many different environments.

10. What is the shelf life of Evolve?

- a. Shelf life is a minimum of six months.

11. How much does Evolve cost?

- a. Evolve is priced competitively to rodenticide (poison) alternatives.

About SenesTech

We are committed to improving the health of the world by humanely managing animal pest populations through fertility control. We are the experts in fertility control to manage animal pest populations. We invented ContraPest, the only U.S. EPA-registered contraceptive for male and female rats, and Evolve, an EPA-designated minimum risk contraceptive for pest animals. ContraPest and Evolve fit seamlessly into all integrated pest management programs, significantly improving the overall goal of effective pest management. We strive for clean cities, efficient businesses and happy households – with a product designed to be effective and sustainable without killing rats. At SenesTech, we don't just eliminate rats. We make a better world.

Safe Harbor Statement

This press release contains "forward-looking statements" within the meaning of federal securities laws, and we intend that such forward-looking statements be subject to the safe harbor created thereby. Such forward-looking statements include, among others our belief that Evolve™ Soft Bait is a minimum-risk solution that is the first and only soft bait developed to control pest populations using a breakthrough technology that targets the rat population where it starts by restricting fertility in rats through nonlethal methods; our belief that Evolve™ Soft Bait is highly palatable to rats, easy to deploy, and offers diverse placement in many different environments, including municipalities, parks, recreation facilities, sports venues, food processing facilities, correctional facilities, subways, medical facilities, agribusiness, zoos and residences; our plans to offer Evolve™ for direct sale to pest management professionals, through distributors, on the Company's e-commerce portal and through big box retailers; our belief that Evolve™ is ideal for use by professionals in a format they can use daily in their integrated pest management programs, as well as being available to the consumer market through e-commerce or big box stores, which will expand our reach to a broader array of customers; our expectation that the addition of Evolve™ to our portfolio of fertility control products will geometrically increase our addressable market; and our expectation to make the product available to consumers later this quarter. Forward-looking statements may describe future expectations, plans, results or strategies and are often, but not always, made through the use of words such as "believe," "may," "future," "plan," "will," "should," "expect," "anticipate," "eventually," "project," "estimate," "continuing," "intend" and similar words or phrases. You are cautioned that such statements are subject to risks, uncertainties and other factors that could cause actual results to differ materially from those reflected by such forward-looking statements. Such factors include, among others, the impacts and implications of the COVID-19 pandemic, the successful commercialization of our products, market acceptance of our products, regulatory approval and regulation of our products and other factors and risks identified from time to time in our filings with the Securities and Exchange Commission, including our Annual Report on Form 10-K for the fiscal year ended Dec. 31, 2022. All forward-looking statements contained in this press release speak only as of the date on which they were made and are based on management's assumptions and estimates as of such date. Except as required by law, we do not undertake any obligation to publicly update any forward-looking statements, whether as a result of the receipt of new information, the occurrence of future events or otherwise.

CONTACT:

Investors: Robert Blum, Joe Dorame, Joe Diaz, Lytham Partners, LLC,
602-889-9700, senestech@lythampartners.com

Company: Tom Chesterman, Chief Financial Officer, SenesTech, Inc.,
928-779-4143

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