

Title: Unraveling the Challenges and Strategies in Feral Hog Management: A Case Study in the Southern United States.

Paragraph #1: Introduction to the hog problem in the south.

- How many there are.
- Ways people have tried to slow them down.
- The damage they have caused.
- Possible origin.

Thesis: The feral hog population needs to be culled as quickly as possible to ensure the native wildlife survives.

Wood A. 2023 Feb 13. Wild Hog (Feral Hog) Population by State. AZ Animals. <https://a-z-animals.com/blog/wild-hog-feral-hog-wild-boar-population-by-state/>.

Tian N, Gan J, Holley G. 2023 Jan 12. Assessing feral swine damage in the western gulf region of Arkansas, Louisiana, and Texas. doi:<https://doi.org/10.1007/s10530-022-02994-1>.

Paragraph #2: Review of the south.

- The weather.
- The wildlife.
- How feral hogs disrupt the balance.

Nowak DJ, Greenfield EJ. 2010 Jan 1. Urban and community forests of the South Central West region: Arkansas, Louisiana, Oklahoma, Texas. doi:<https://doi.org/10.2737/nrs-gtr-59>.

Paragraph #3: Method #1 to cull the herd. Aerial Gunning

- What makes it so attractive.
- How effective is it.
- Possible negative consequences.

Mapton ME. 1997. Feral Hogs in Texas. Texas A&M University. [accessed 2023 Jul 6].

[https://tfsweb.tamu.edu/uploadedFiles/TFSMain/Manage\\_Forest\\_and\\_Land/Wildlife\\_Management/Non-Game/Feral\\_hogs\\_TCE.pdf](https://tfsweb.tamu.edu/uploadedFiles/TFSMain/Manage_Forest_and_Land/Wildlife_Management/Non-Game/Feral_hogs_TCE.pdf).

Paragraph #4: Method #2 to cull the herd. Trapping

- Different methods of trapping.
- What to do with trapped hogs.
- Its effectiveness.

Wight BR, Boughton RK. 2018. Feral Swine Trapping: Techniques and Designs. EDIS. 2018(3).

doi:<https://doi.org/10.32473/edis-uw440-2018>.

Paragraph #5: Method #3 to cull the herd. Genetic Biocontrol

- What is it and how it relates to feral hogs.
- Current applications elsewhere.
- At what scale would it need to be implemented.

Teem JL, Alphey L, Descamps S, Edgington MP, Edwards O, Gemmell N, Harvey-Samuel T, Melnick RL, Oh KP, Piaggio AJ, et al. 2020. Genetic Biocontrol for Invasive Species. *Frontiers in Bioengineering and Biotechnology*. 8. doi:<https://doi.org/10.3389/fbioe.2020.00452>.

Paragraph #6: Counter argument. Benefits of feral hogs and activist pushback.

- Positive changes to natural habitat.
- Activist reactions.

Paragraph #7: Conclusion. Moral considerations

- Which method is the most effective and ethical.
- What would a post-hog south look like.
- Lasting prevention.