2017 Student Symposium for Research, Scholarship and Creative Achievement
Assessment of Exposure to the Pesticide Imidacloprid on Amphibian Development

Graecen J. Shidemantle, Miranda S. Falah, Victoria E. Palopoli, Zory L. Campbell, Simon C. Bering, Paul S. Fass
Department of Biology, Slippery Rock University, Slippery Rock, PA 16057

Abstract

The proposed project examined the effects of exposure to the insecticide imidacloprid on the development of larval amphibians. Imidacloprid is a neonicotinoid insecticide that is widely used in agriculture. The study involved exposing larval amphibians to imidacloprid at various concentrations and observing the effects on their development. The results indicated that imidacloprid exposure had a significant impact on the survival and development of the larval amphibians.

Methods

The study involved exposing frog embryos to imidacloprid at different concentrations. The exposure was done at stages where the development of the larval amphibians was most vulnerable. The exposed embryos were then observed for changes in development, survival, and growth.

Results

The results showed a decrease in survival and growth of the exposed embryos compared to the control group. The effects were seen at all concentrations tested, with the highest concentration having the most severe impact. The specific mechanisms of these effects require further investigation.

Introduction

Imidacloprid is a commonly used insecticide that is known to have effects on non-target species, including amphibians. The study aimed to address the potential impacts of imidacloprid on amphibian development and the implications for conservation efforts.

Conclusion

The study highlights the need for further research on the effects of imidacloprid on amphibian development. The findings suggest that efforts to minimize exposure and use alternative insecticides may be necessary to protect amphibian populations.
A Case Study Evaluating Community and Volunteer Relations

WHAT IS STAND UP TO CANCER?

- Understanding the role of the Entertainment Industry Foundation
- Make plans to make every person diagnosed with cancer feel supported
- Help to provide research for an understanding of the nature of cancer

METHODS OF RESEARCH

- Conduct surveys, interviews, and focus groups to gather data
- Use statistical analysis to interpret the data
- Present findings in a clear and concise manner

RESULTS

- Increased awareness and understanding of cancer
- Improved quality of life for cancer patients
- Increased funding for cancer research

CONCLUSIONS

- The importance of community support in cancer treatment
- The impact of volunteerism in cancer care

SUMMARY

- A comprehensive approach to cancer care
- Continuous collaboration between volunteers and professionals
- Improved outcomes for cancer patients
Growing With a Garden
Madeline Badaczewski
Slippery Rock University, Early Childhood/Special Education Department
Reaffirming Masculinity through Consumption: The Relationship between Consumption and Individuation during the Early Cold War Era

Matthew Holm
University of Minnesota
Advisor: William Biggar

Fighting the Focus on Togetherness and Female Dominance

This project argues that in the early decades of the Cold War (1950s and 1960s), the bachelor pad became a space where masculine ideas, images, and consumption to define masculinity seems to empower individuals and economically empower male reproduction over the “margins” of corporations and industrial production.

Male Response to Togetherness and the White Collar Workplace

In response to the economic focus upon the suburban middle-class family, many brought increased anxiety to the male-dominated workplace. This anxiety was further exacerbated by the increase in perceived vulnerabilities to the economic system. The anxiety and vulnerability increased the perceived importance of the male-dominated workplace, leading to a redefinition of masculinity in the workplace.

Masculinizing the White Collar Workplace and Consumption

In the 1950s, the ideal of the “ suburban man” was emphasized as the ideal of masculinity. This ideal was based on the idea of a self-sufficient, independent man who was able to provide for his family. This ideal was reinforced by the consumption of products that were marketed as being suitable for men. These products were often associated with the idea of masculinity, and were marketed to men as a way of expressing their masculinity.

The Lone Wolf

The concept of the “ lone wolf” was also emphasized during this time. The “ lone wolf” was seen as a man who was independent and able to take care of himself. This concept was emphasized in the consumption of products such as cars and motorcycles. These products were seen as symbols of masculinity, and were marketed to men as a way of expressing their masculinity.

A man’s home is not only his castle, it is so should be, the outward reflection of his inner self.