

BHAVANS VARUNA VIDYALAYA THRIKKAKARA

# *MITIGATION OF AFRICAN SNAIL*

TARGET 2





Report :

# Mitigation Of African Snail

## Project Goal and Methodology

AS MENTIONED IN OUR ACTION PLAN, FIRST WE BEGAN OUR IMPLEMENTATION BY MEETING THE RESIDENTS OF THE AREAS WE MENTIONED IN OUR ACTION PLAN AND STUDENTS OF OUR SCHOOL WERE PROVIDED WITH AWARENESS CAMPAIGNS, REGARDING THE MITIGATION PROCESS AS WELL AS THE TOOLS OR CHEMICALS TO BE USED FOR THE SAME ,WE AS MEMBERS OF THREE WENT AND COLLECTED THE DATA FROM RESIDENTS ABOUT THE PRESENCE OF THIS SNAIL AND PLANNED OF PROVIDING THEM WITH SALT OR SALT SOLUTION WHICH IS EASILY ACCESSIBLE AS WELL AS A MAJOR MITIGATION METHOD AS PER OUR SURVEY.THEN TWO STUDENTS FROM OUR GROUP STARTED THE IMPLEMENTATION BY SPRAYING COPPER SULFATE WHICH WE OBTAINED FROM LOCAL NURSERY OUTLETS RUN BOTH BY THE PUBLIC AND THE PRIVATE.WE ANALYSED THAT THIS COPPER SULFATE HELPS IN KILLING THE SNAIL THEN WITH PROPER PRECAUTIONS TAKEN AND UNDER THE SUPERVISION OF TEACHERS WE ASSISTED THE NATIVES TO USE THEM SPECIFICALLY DURING MOIST AND HUMID CLIMATIC CONDITIONS.NOW AS PER THE SUGGESTION OF CERTAIN SUPERIORS OF AGRICULTURE DEPARTMENT WE TRAPPED THESE SNAILS USING CABBAGE LEAVES, PAPAYA AND A JUTE SACK. THIS WILL HELP IN THE DESTRUCTION OF THESE SNAILS IN A WIDE RANGE .THEN WE TOOK THE SURVEYS AGAIN INORDER TO ANALYSE THE IMPACTS OF OUR MITIGATION MEASURES, WHICH SIGNIFICANTLY PROVED THAT THE IMPLEMENTATION HAS BROUGHT A CONSIDERABLE DOWN FALL IN THE PRESENCE OF THESE SNAILS ALSO WE THEN BEGAN TO TAKE SURVEYS FROM THE PEOPLE WHO DID TRY OUT OUR MITIGATION METHODS THEIR RESPONSES AS WELL AS THE EVIDENCE IS ATTACHED IN THIS PPT . FINALLY WE BEGAN THE FINAL STAGE OF OUR IMPLEMENTATION PROCESS THAT IS SPREADING THE AWARENESS TO GREATER PUBLIC THROUGH SOCIAL MEDIA POSTS HENCE THERE BY WE ALL TOGETHER BROUGHT A CONSIDERABLE CHANGE IN THE CURRENT SITUATION OF PEOPLE WHO FACED THE PROBLEM OF THIS WILD SNAILS .



# Tools and Materials

- Salt or salt solution
- Coppersulphate
- Cabbage or papaya
- Jute sack

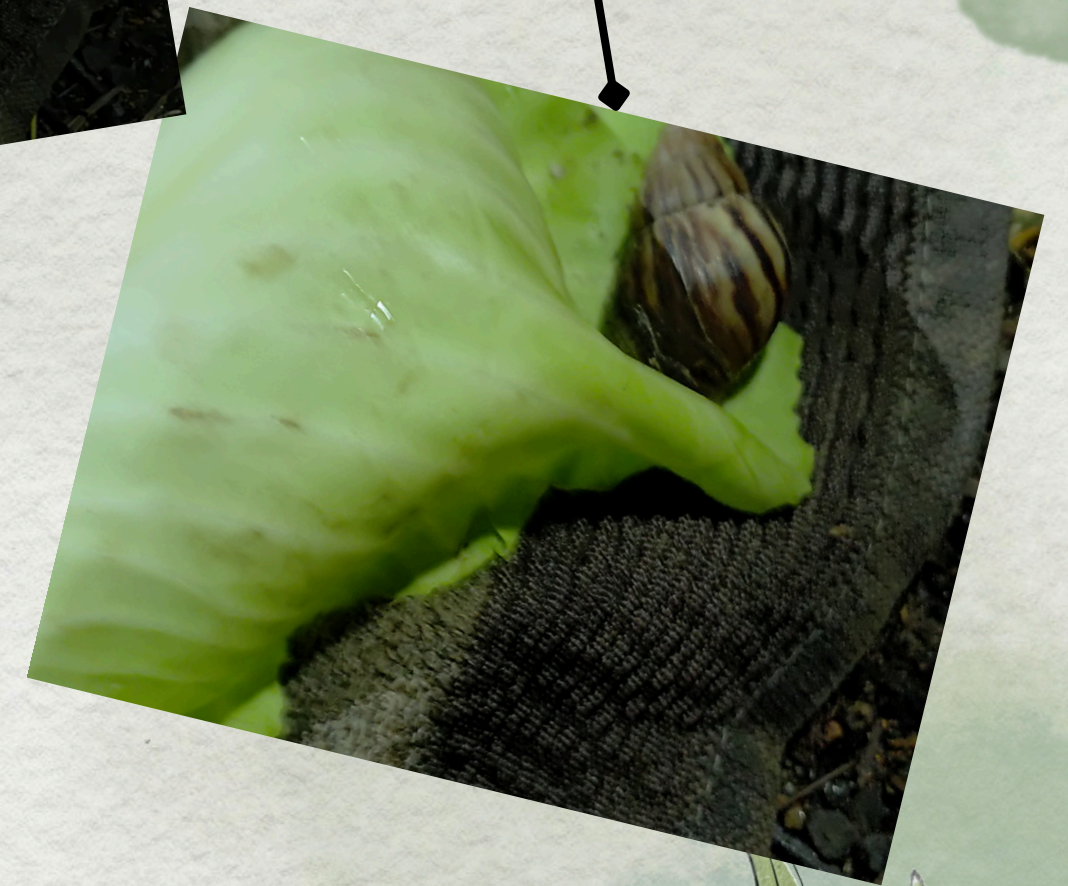


## Challenges

The main challenge before us was the replication of this snail, even if we mitigate one or two their young ones or their eggs used to develop into umteen number of snails, that's when we contacted the in charge of a local government nursery and other natives they recommended the jute sack method and it did bring a vital change in the current condition.







- Evidences of mitigation done with salt and cabbage leaves



# Analysis of Mitigation Methods



Salt has proven to be the best method amongst them as well as it is accessible to all





# ***Survey Evidence***

## ***Audio Clip:***

[https://drive.google.com/file/d/1sB9IRjqOKY3mFQIUbbQL\\_4GLi0tykewC/view?usp=drivesdk](https://drive.google.com/file/d/1sB9IRjqOKY3mFQIUbbQL_4GLi0tykewC/view?usp=drivesdk)

## ***Video Clip:***

<https://drive.google.com/file/d/1s3UjvHcZFXnBFEBFXPAt8kTpGk44A4EU/view?usp=drivesdk>





# Conclusion

After the implementation we have got a considerable number of good response for the actions taken ,we have included the audio clips of some of the local natives who have tried our mitigation methods and found it helpful,we are glad that we were together able to create a change in the number of snails attacking the plants, as mentioned before we did upload a youtube video providing proper awareness about the snail and its mitigation it's link has been attached here ,we conclude that the mitigation process should go on continuously during rainy and humid days then only we will achieve the desired result.



YouTube

<https://youtube.com/shorts/DPDF4OqOGgU?si=ADgVibdK7-XcoiD4>





Thank You

