



Chemical Free Pesticide

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Introduction:

In many years the agricultural sector has incurred many expenses in trying to control pests such as caterpillars, termites and insects that invades crops. The common method used was mainly the use of chemical pesticides. Such chemicals has a detrimental effects on human health.

Chemical such as DDT is said to be one source of mutation (chemical mutagen), others cause blindness and some cause respiratory anomalies also cancer hazard.

In this project we introduce the alternative pesticide which is cheap, affordable and safe for human health.

We hope that through the use of this method we can control pests, secure human health and improve agriculture.

Method:

Materials used are as follows

Neem tree leaves and(Azadrachita indica)

Pepper and a spraying pump

A Capsicum annum or B Chilli pepper

C The most suitable samples of pepper are A and B.



Results:

Grind the 2 kilograms of dry neem tree leaves . Sieve the content to obtain clear/fine powder

Grind the 1 kilogram of pepper

Mix the neem powder with the pepper powder .

Dissolve the mixture 30grams in 10 litres of water and live the mixture for 24 hours. NB:

(1)The ratio depend on the size of the area of application and degree of infection.

(2)You can make a concentrate and add 30mls in 10 litres of water.

Divide your plot in two parts A and B

In part A, Water the plants before spraying. Spray the mixture on the leaves and affected areas. Do not water the plants for two days . Continue watering as usual till harvest.

In part B water the plants but do not spray them.

RESULTS:

The part A was free from pests

Chinese Spinach

Part B was highly affected by pests

Chinese Spinach



Conclusions

References

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