FACT SHEET | CONTROL OF PESTS AND DISEASES USING TURMERIC, GINGER, GARLIC AND CHILLI PEPPER

KHWA Knowledge Hub for Organic Agriculture and Agroecology in West Africa

KCOA Knowledge Centre for Organic Agriculture and Agroecology in Africa

INTRODUCTION

Controlling pests and diseases in plants is vital for ensuring agricultural productivity, economic stability, environmental health, and human safety. It supports sustainable farming practices, conserves biodiversity, and enhances the quality of life by providing safe, nutritious food and beautiful, healthy green spaces.

Turmeric, ginger, garlic, and chili pepper are natural (plant) material that offers an eco-friendly and sustainable approach to manage garden health because of their pesticidal and antimicrobial properties which make them effective against pest and control.



PREPARATION PROCEDURE AND APPLICATION RATE

1. Grind 1 kg each of turmeric, ginger, garlic and 500 g of chilli pepper together with 50 cl of water. Leave the grinded materials for 24 hours
2. Filter it with muslin net to get the extract
3. Add 4 litres of water into the extract with addition of 40 g black soap (locally made soap but very popular across Nigeria to enable the pesticide stick to the plants rather than just slipping from the plants when sprayed)

APPLICATION PERIOD AND FREQUENCY

1. Spraying of biopesticide could be done in the morning or evening.

2. Application of treatment should be done three times in a week and for 2 weeks consecutively.

german cooperation DEUTSCHE ZUSAMMENARBEIT

Implemented by: giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

enda pronat FENAB CNOP Coordination Nationale des Organisations Paysannes AGRECOL Afrique Songhaï L'AFRIQUE RELÈVE LA TÊTE! AFRICA STANDS UP! NOAN

GENERIC LICENSE STATEMENT

Licence scan here