



KHWA
Knowledge Hub for Organic
Agriculture and Agroecology
in West Africa



KCOA
Knowledge Centre for
Organic Agriculture and
Agroecology in Africa

INTRODUCTION

The usefulness of neem in agriculture is presently being studied by researchers all around the world. Many agricultural products are made with this miraculous tree. Neem products include insecticides, pesticides, pest fumigants, fertilizers, manures, compost, urea coating agents, and soil conditioners. Neem leaves have flavonoid called Nimbin which repels insects and helps in avoid diseases. Neem leaves do not usually kill insect pests immediately but change the feeding or life cycle of the insect until it is no longer able to live or produce new ones. Other insects will however avoid a plant treated with neem leaves.



CONTROL

PREPARATION PROCEDURE AND APPLICATION RATE

1. Soak 1 kg of neem leaves into 3 litres ethanol or water for 5-6 hours
2. Filter with muslin cloth to get the extract
3. Add the extract into water with addition of 40 g black soap (locally made soap but very popular across Nigeria to enable the pesticide stick to the plants when sprayed) in a ratio of 1:2 (Water : Extract) to fill the 16litres spraying pump.

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.

