# FACT SHEET | PEST CONTROL USING SIAM WEED (*Chromolaena odorata*) LEAF EXTRACTS

KHWA Knowledge Hub for Organic Agriculture and Agroecology in West Africa

KCOA Knowledge Centre for Organic Agriculture and Agroecology in Africa



*Chromolaena odorata*, commonly known as Siam weed is a fast-growing perennial plant with insecticidal properties, antimicrobial and antifungal properties.

Pest are natural enemies of the main crops that decrease the crop quality and quantity. Pest control are methods used to prevent and control the infestation of the pest from the crops. It can be controlled biologically, chemically, physically and combination of different method known as integrated pest control.

## Advantages of using biopest control

1. It is natural and eco-friendly
2. It cost-effective
3. It reduced chemical resistance
4. It is Biodegradable
5. It ensures human safety





## Control: Preparation Procedure



One kilogrmme of Chromolaena odorata should be harvested and soaked in 5 litres of water for 5-6 hours to ferment. The liquid from soaked Siam weed should be sifted.

## Application rate

The extract should be mixed with water in a ratio of 1:1 to fill 16-litre spraying pump with addition of 40g black soap (locally made soap but popular across Nigeria to enable the pesticide stick to the plants when sparayed).

## Application rate and frequency

The mixture could be sprayed on the vegetables in the morning or evening when pests are noticed, especially during the rainy season.

Spraying is done four times in a week for 2 weeks consecutively.

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