Groundnut Rosette Disease

Recognize the problem

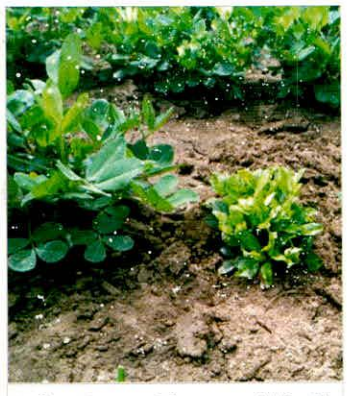
Groundnut rosette virus disease: is a very serious disease of groundnuts in Uganda. It is spread by aphids feeding on the crop.

Background

- There are two types of symptom seen in the crops: green and yellow both are stunted.
- There is no control once a plant is infected and early infected plants produce no yield
- There is no control for the virus but control of the aphids will prevent further spread



Green Rosette Virus. This plant was infected early and will not produce any yield



Yellow Rosette Virus, no yield will come from the infected plant (right).

Management

1. **Chemical control:**
- Spray whole plant with insecticides, such as dimethoate 14 days after emergence (usually 5mls per 2 litres of water but read the label for instructions) and then at 10-day intervals for a total of four sprays.

2. **Cropping practices:**
- Timely planting as soon as there is enough water in the soil.
- For erect types (Serenut-4T) plant one and a half feet between rows and half a foot between plants along the row. For spreading types (Serenut 2) plant 3 plants per 2 feet along the row.
- Intercropping with beans or sorghum is effective in reducing the disease incidence as this confuses the aphids movement.

3. **Host plant resistance:**
Resistant varieties exist such as Serenuts 2-14 series, Igola 1 and are available from NARO/NaSARRI Serere; Seed Companies

Scientific name ▶ *<Groundnut rosette virus disease*

The recommendations in this factsheet are relevant to: Kenya, Sudan, Rwanda, DRC, Tanzania.

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