# Status of Invasive alien species in Uganda

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#### Introduction

 Uganda is currently under threat from alien invasive species. Those known so far are plant and insect species.

 These are threatening to change the ecosystem of the country.

## Insect species

Cypress aphid - Cinara cupressi

Pest attacks cypress trees. At the height of attack in 1995 on average 60% of the trees were under damage category 3 (26-60%).

• Following release of *P. juniperorum* 1995-1996, damage dropped to category 2(11-25%) in 1999 and category 1(0-10%) in release sites in 2006.

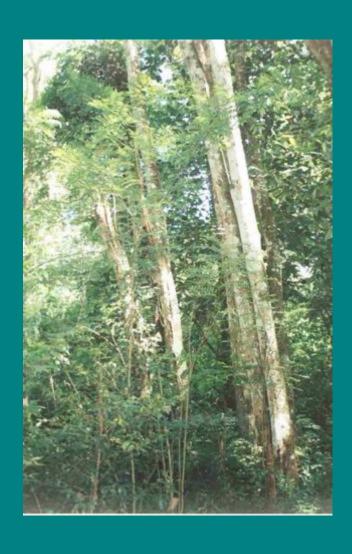
## Pine woolly aphid

- Before release of Tetraphleps raoi most of trees in woolliness category 1 (woolly spots<=10% adjacent spots touching)</li>
- After release most trees >95% in woolliness category 0 (no wool spots) in release sites and adjacent
- Redistributing in other sites

#### Blue Gum Chalcid

- Currently major problem
- Present in all agro ecological zones but absent in Kabale district – Highland and cold.
- Hill top areas of Mbale and Sironko districts-mild attacks
- Most clones showing resistence. GU clones showing more resistance at seedling level. GC Clones 784, 540,and 514 showing susceptibility in that order at clonal hedge (mother garden)

### Plant invasive



## Senna spectabilis

- Species considered a major problem
- Widespread in compartments N11, N13, N14, W29 of the Budongo Forest Reserve where it has colonised vast areas at expense of other species
- Estimated that more than 1,000 ha are affected.
- Thought to have been introduced by the Indian Sawmill operators or introduced during the colonial era for firewood in an attempt to preserve the forest

## S. spectabilis (cont'd)

 Thought to have been brought in during the gazetting of the forest for planting at boundaries of compartments as boundary marker

 Common along logging trails/landing sites in the Budongo

## Broussenetia papyrifera

 Introduced for paper manufacture in Mabira and Budongo

Colonizes open sites in pure stands

Other than for monkey food, no other use

## Broussenetia papyrifera



#### Lantana camara

- Lantana camara is widely distributed all over the country where it forms dense thickets.
- Believed to have been introduced in 1960s for hedges and to construct stands for drying plates.
- Habitat for tsetse flies.
- Dominates (or suppresses) other plant species
- Thought to add fertility to soil

#### Acacia hockii

 Acacia hockii is a major problem in Mburo National Park where it suppresses grass for animals and thus causes migration of game

 Has a remarkable ability to sprout after the fires making it extremely invasive

## Water hyacinth



## Azolla filiculoides covers water bodies preventing efficient utilisation



## Mimosa pigra - supresses grass, prevents entry by cattle



## NaFORRI Infrastructure development



### Laboratories



## Guest house



## Green houses

