

Overview

- Four Tropical Weeds Eradication Program
- Siam Weed Eradication Program
- Cyclone Larry
- Aim
 - Increase awareness
 - Up-date on programs



Four Tropical Weeds Eradication Program



Four Tropical Weeds

Koster's curse



- *Clidemia hirta*
- Perennial shrub (up to 2m)
- Serious pest in 16 countries
- 1st recorded entry in Australia – 2001
- Contaminant of packaging
- 1 infestation (Julatten)

Four Tropical Weeds

Koster's curse



- Survey/control every 3 months
- Hand removal
- Large seedling recruitment
- Collaboration with Mareeba Shire
- Eradication is highly possible

Four Tropical Weeds

Limnocharis



- *Limnocharis flava*
- Aquatic weed (up to 1m)
- Serious pest in US and Asia
- 1st recorded entry in Australia - 2001
- Human consumption and ornamental plant
- 17 infestations across 8 shires

Four Tropical Weeds

Limnocharis



- Only 3 sites remain active
- Survey/control every 3 weeks
- Hand removal
- Collaboration with all Shires
- Concern: gardeners
- Eradication is possible

Four Tropical Weeds

Mikania vine



- *Mikania micrantha*
- Scrambling perennial vine
- Serious pest in the Pacific Islands, SE Asia
- 1st recorded entry in Australia - 1998
- Medicinal purposes
- 13 infestations across 4 shires

Four Tropical Weeds

Mikania vine



- All sites – NIL or very low
- Survey/control every 3 months
- Starane®
- Collaboration with Shires
- Concern: vegetative - slashers
- Eradication is very possible

Four Tropical Weeds

Miconia



- *Miconia calvescens*
- Tree, enormous iridescent purple leaves
- Serious pest in Hawaii, Tahiti
- 1st recorded entry in Australia – 1960's
- Ornamental
- 19 infestations

Four Tropical Weeds

Miconia

- 7 eradicated sites
- 13 infestations
 - 4 active core areas, 2 minor, 7 NILS
- Survey/control every 6 months
- Glyphosate and hand removal
- Collaboration with Shires
- Concern: gardeners, bird dispersal
- Eradication?



Four Tropical Weeds

Miconia racemosa

- *Miconia racemosa*
- Shrub
- 1st recorded entry in Australia – 2002
- 1 infestation (Kuranda)
- Survey/control every 3 months
- Seedling regeneration (hand removal)
- Eradication possible



Four Tropical Weeds

Miconia nervosa

- *Miconia nervosa*
- Shrub
- 1st recorded entry in Australia – 2004
- 1 infestation (Douglas Shire)
- Survey/control every 3 months
- Seedling regeneration (hand removal)
- Eradication possible

Siam Weed Eradication Program



Siam Weed

- *Chromolaena odorata*
- Shrub 2-3m
- One of the world's most invasive weeds, a serious pest in many countries
- 1st recorded entry in Australia – 1994
- Containment of pasture seed
- 2 core areas, 5 outliers



Siam Weed

- 86% infestations
 - low, scattered or NIL
- Survey/control
 - 6 months
- Grazon® DS, hand pulling
- Concerns: grazing, slashing
- Eradication ?



The impact of Cyclone Larry



Tropical weeds Eradication Program

- *Limnocharis*
 - 1 site only affected
- *Mikania* vine
 - 2 sites affected
- *Miconia calvescens*
 - Large concern



Siam weed Eradication Program

- Weed Seed Spread
 - Within loci
 - Outside loci





Siam weed



Mikania vine



Koster's curse



Limnocharis



Miconia