



THE
WEEDS
SOCIETY
OF WESTERN AUSTRALIA

WA Weeds Symposium

Understanding the invasion curve

11th October 2023



Welcome to Country

On behalf of the Weed Society of Western Australia I would like to begin by acknowledging the traditional custodians of the land we are meeting on, the Whadjuk people, and pay our respects to elders past and present. We wish to acknowledge and respect their continuing culture and the contribution they make to the environment around us.



Housekeeping

- ▶ All attendees need to have their attendance recorded on that ipad for CSIRO records
- ▶ Toilets are to the right of the main entry doors. No smoking near the building
- ▶ In case of emergency, a woop-woop alarm will sound, leave by the front doors and amass at the muster point in the carpark at the front of the building near the road and remain there until the all clear is given. Do not use lifts
- ▶ Refreshments will be in the Canteen area at the top the ramp and to the right. Speak to someone new!
- ▶ There is a water tap and a place to wash cups in the canteen
- ▶ Hopefully you all bought ugly mugs, we have a volunteer that will wash between sessions and have extras
- ▶ Mute mobiles
- ▶ Sundowner will be in the canteen area and on the balcony. The external doors to the building arm at 5.30pm after which a CSIRO staff member (myself, Mariana, Paul) will let you out.



About the Weed Society

- Was formed nearly 50 years ago (in 1976)
- A professional organisation that brings together *research scientists, extension officers, consultants, company representatives, conservationists, other practitioners and members of the public* who have an interest in weed management.
- Promote better communication between govt agencies on weed management, provide networking opportunities, education and event sponsorship
- Publisher of Western Weeds
- Advocate for better policy on weeds
- Host conferences, including the Australian Weeds Conference
 - Not our turn until 2032!



One of a few

- All states in Australia have a Weed Society, as does NZ and there may soon be a NT Weed Society.
- WSWA is a member of the Council of Australasian Weed Science Societies.
- NSW, QLD and Victoria run annual or biennial weeds conferences and other events
- Qld is hosting the 24th Aust Weeds Conference in 2024. All attendees today will be able to get member rates.
- A lot of weed advocacy and connectivity with weed researchers in other states



Membership benefits

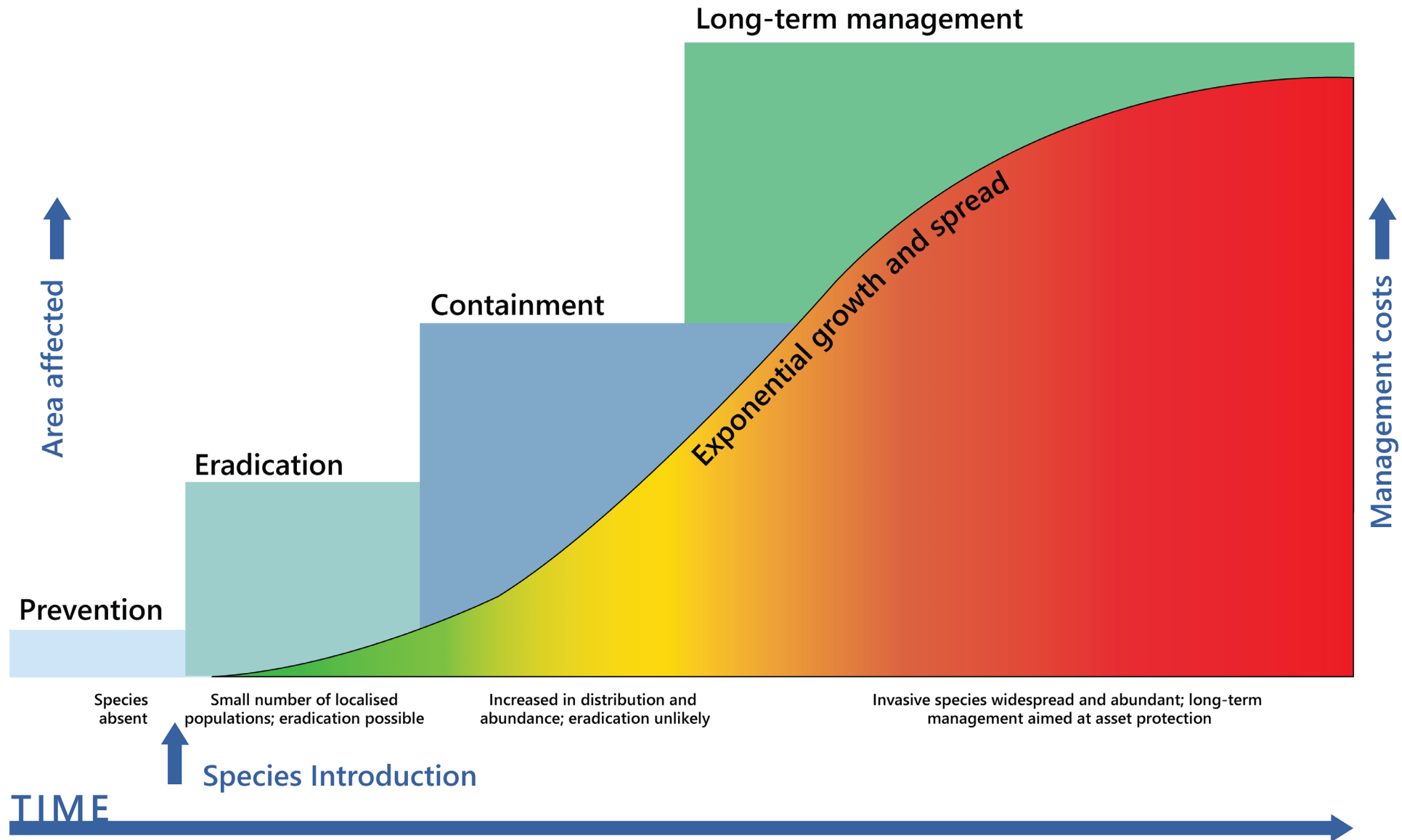
- **Get to know your colleagues**
- **The committee meet to discuss various things a few times a year**
- **Events, promote talks of visiting weed scientists**
- **Support for your own weed event – sponsorship**
- **Travel grants to attend conferences on weeds**
- **WESTERN WEEDS. Working toward 3rd Ed**
- **The committee are volunteers and have a common interest in raising the profile of weeds in the landscape, both agricultural and environmental. Most of us in Govt but that landscape is changing**
- **Have a lot in common.**



Theme of today's talks: The invasion curve

- ▶ **The invasion curve shows the stages of invasive species management from pre-arrival (prevention) to long-term control. After a species is introduced, management costs increase, and likelihood of eradication or containment decreases as time passes.**
- ▶ **Four stages**
 - ▶ Prevention: Species is absent. The most cost-effective solution
 - ▶ Eradication: Removal of all propagules of an organism
 - ▶ Containment: Regular management preventing the invasion from getting worse
 - ▶ Asset protection: The point where invasion is not containable, and areas of high value are protected (or not)
- ▶ **Many variations on the shape of the curve, but it always has a positive gradient**





Welcome to our speakers

- All of our speakers are sharing their expertise in the four stages of invasion
- Speakers from DPIRD, DBCA, CSIRO, Biosecurity Groups, NRM, consultants and Indigenous Desert Alliance
- Who cares about weeds?
- DBCA manage weeds on over 31 million HA, 12% of WA
- UCL is 48% of the state 118 million HA
- Agricultural land is 8 million HA
- No where near enough resources are allocated toward weeds
- No where near enough advocacy to raise the profile of weeds





Quokka, for attention

