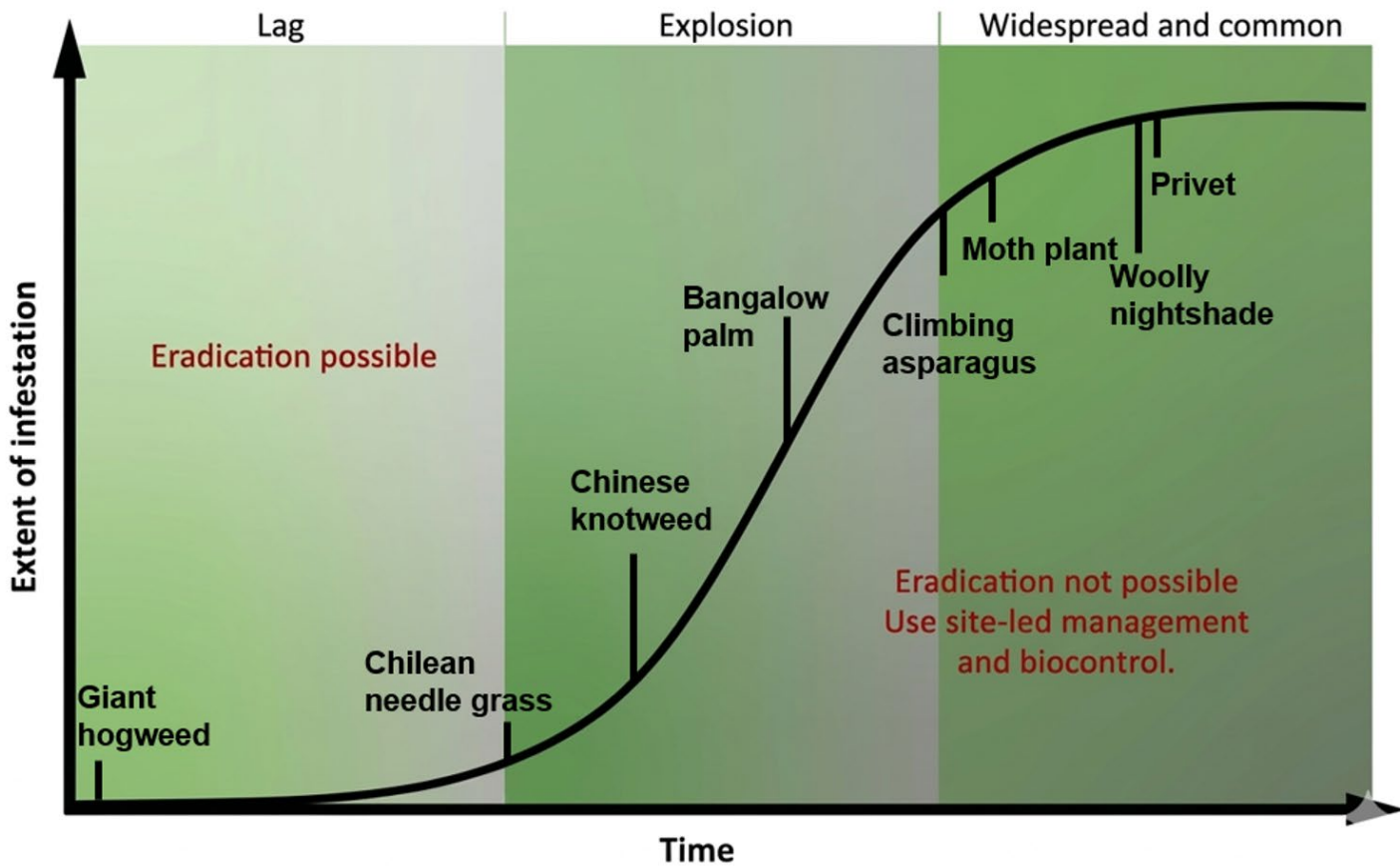


Pest Invasion Curve



Best practice weed management

Principles =

- 1) goal is protecting values (not dead weeds),
- 2) management must consider large scales, ecology of pest & its interaction with other pests & the ecosystem it has invaded,
- 3) prioritising/ranking is required to achieve best conservation outcomes for \$\$ invested

Strategies =

- Prevention is best (turn off the tap!)
- Eradication (prevention of weeds becoming widespread) is only possible very early when the infestation is small (before you even notice the weed!) – it's not economically logical when the costs of achieving it outweigh the benefits
- Site-based management (long-term suppression): investment must focus on goals (suppress to achieve biodiversity outcomes), protect highest value sites, control multiple pests at those sites (highest impact + have tools to control)
- Avoiding wasting \$\$ & investment - \$\$ best spent on weed species that are in early stages of invasion

Buddenhagen & Tye (2015):

Main reason for weed management failure
= choosing wrong weed target to eradicate