

Gallivanting with groundcovers

Trevor James



Background

- Native species cannot establish due to dense alien groundcover species
- How best to reduce ground cover?
- Manual removal or herbicides
- Constraints of weed regrowth and herbicide residues

The experiment

- Three herbicides
 - Grazon @ 0.6% (triclopyr)
 - Tordon Max @ 0.3% (aminopyralid)
 - Tordon Pastureboss @ 0.3% (a mixture of both)
 - all with Pulse adjuvant
- Full, $\frac{1}{2}$ and $\frac{1}{4}$ rates of each

The ground cover species

- Wandering Jew (*Tradescantia fluminensis*)
- Plectranthus (*Plectranthus ciliatus*)
- Aluminium plant (*Lamium galeobdolon*)
- Climbing asparagus (*Asparagus scandens*)
- Selaginella (*Selaginella kraussiana*)
- Ivy (*Hedera helix*)

Wandering Jew (*Tradescantia fluminensis*)



Plectranthus (*Plectranthus ciliatus*)



Aluminium plant (*Lamium galeobdolon*)



Climbing asparagus (*Asparagus scandens*)



Selaginella (*Selaginella kraussiana*)



Ivy (*Hedera helix*)



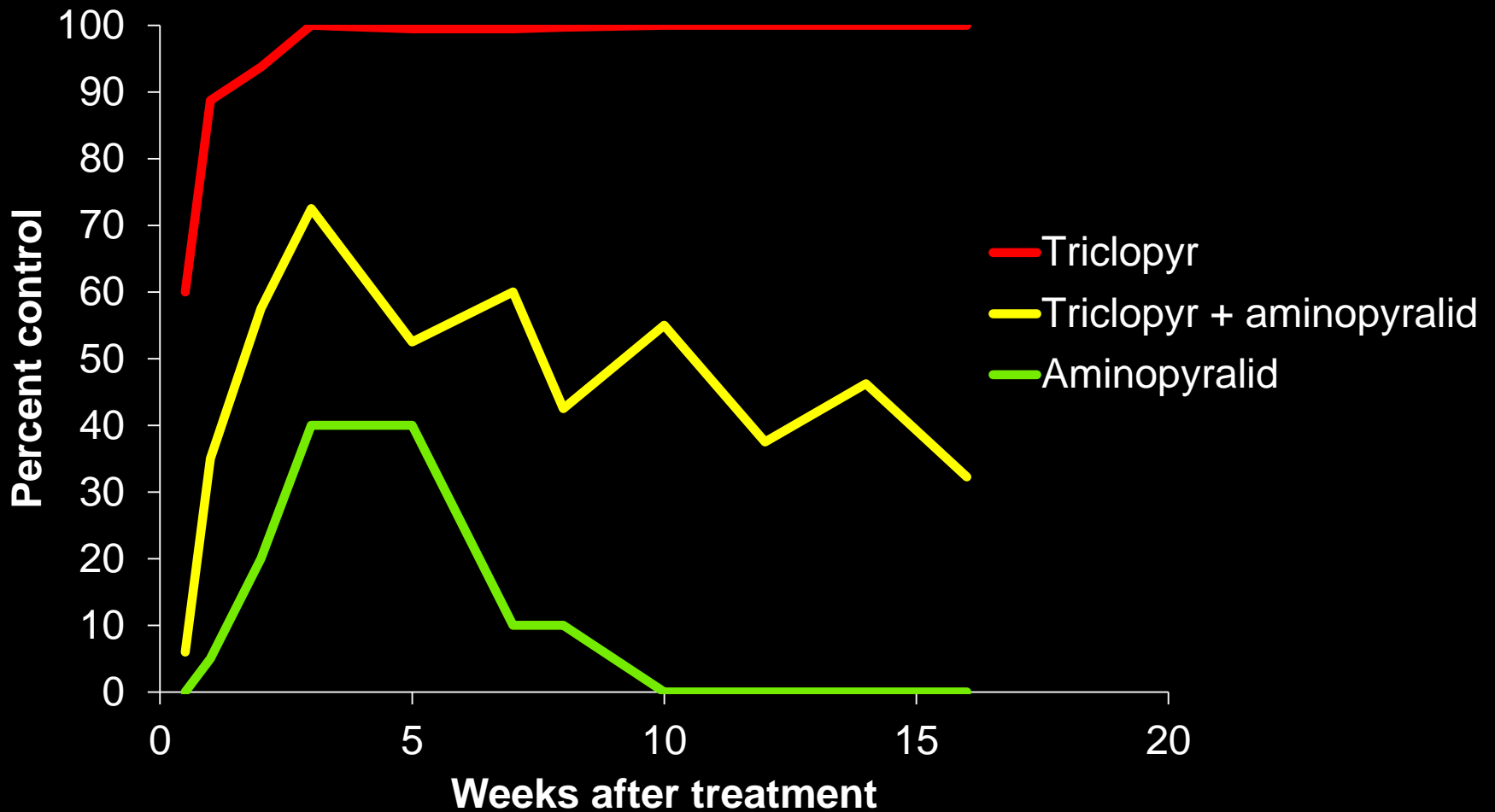
At spraying (27.7.11)



9 days later



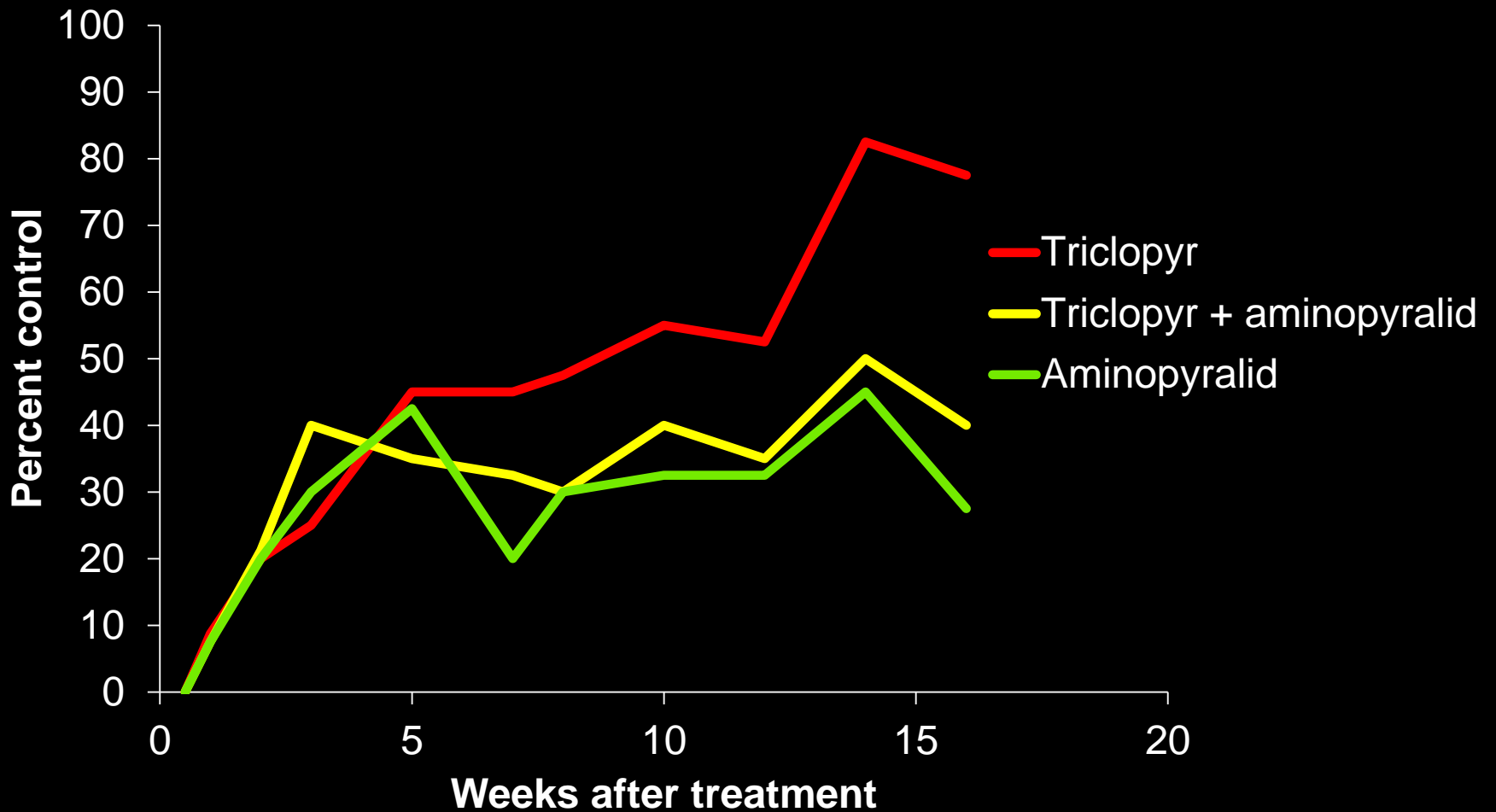
Wandering Jew (*Tradescantia fluminensis*)



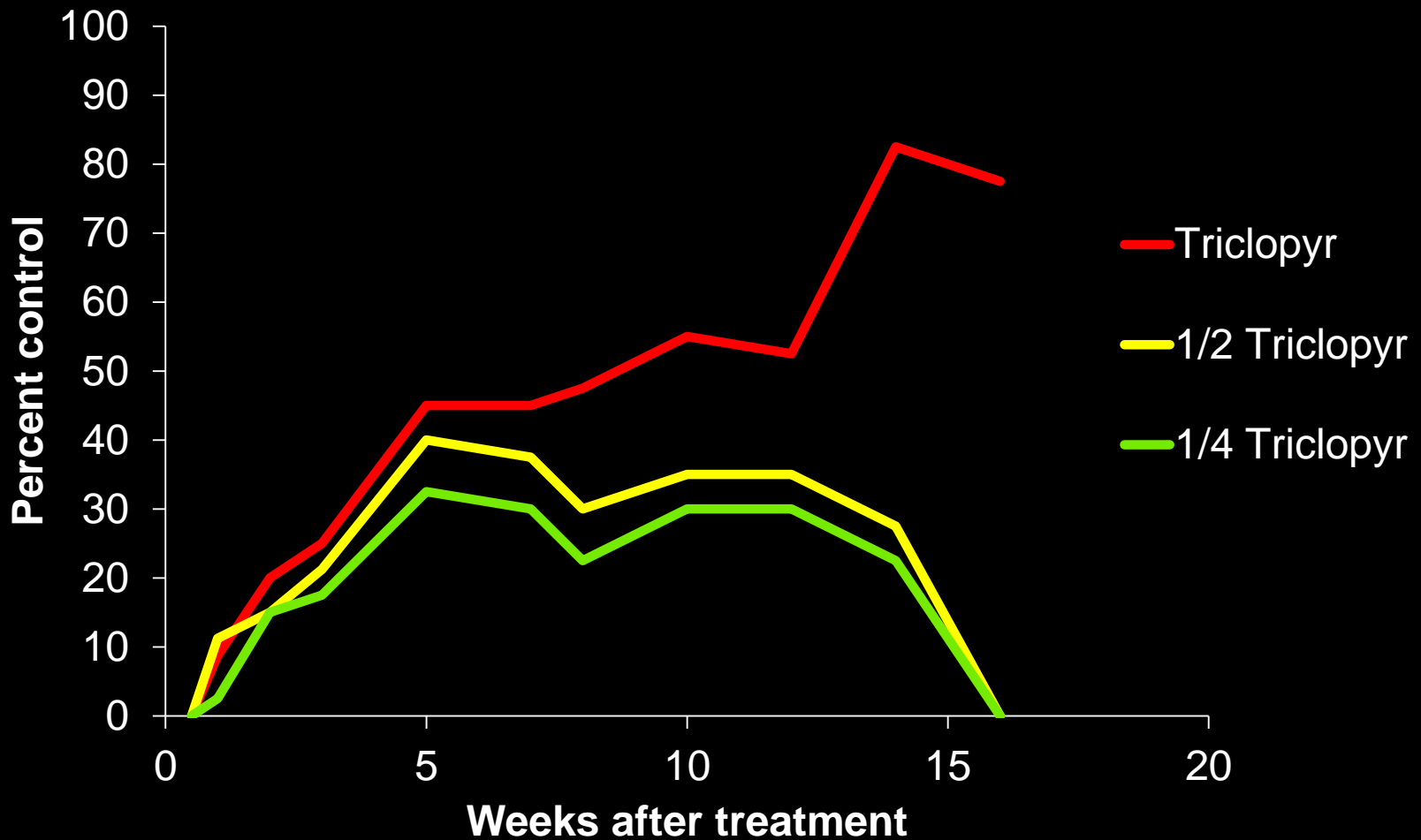
Wandering Jew (*Tradescantia fluminensis*)



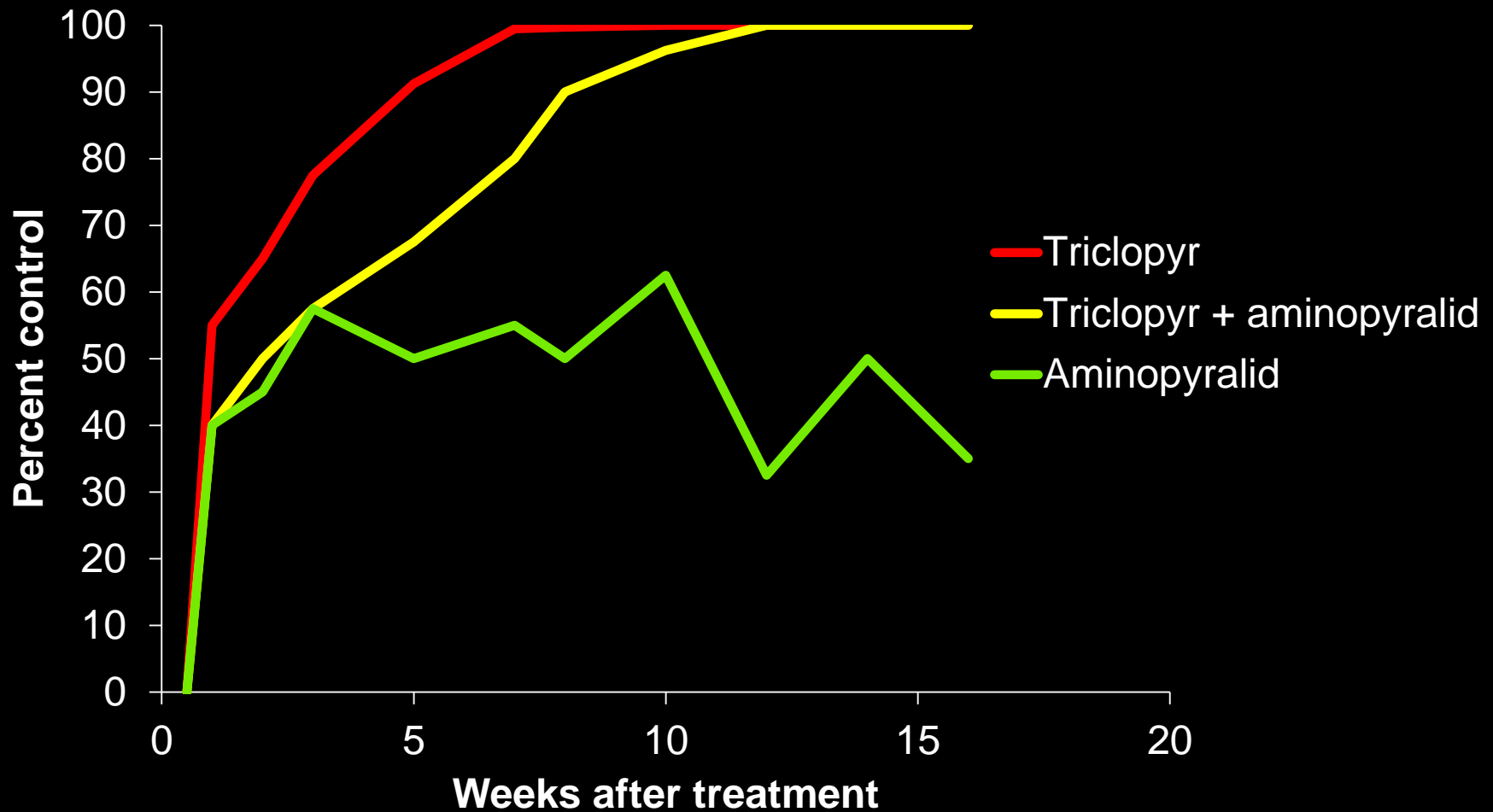
Plectranthus (*Plectranthus ciliatus*)



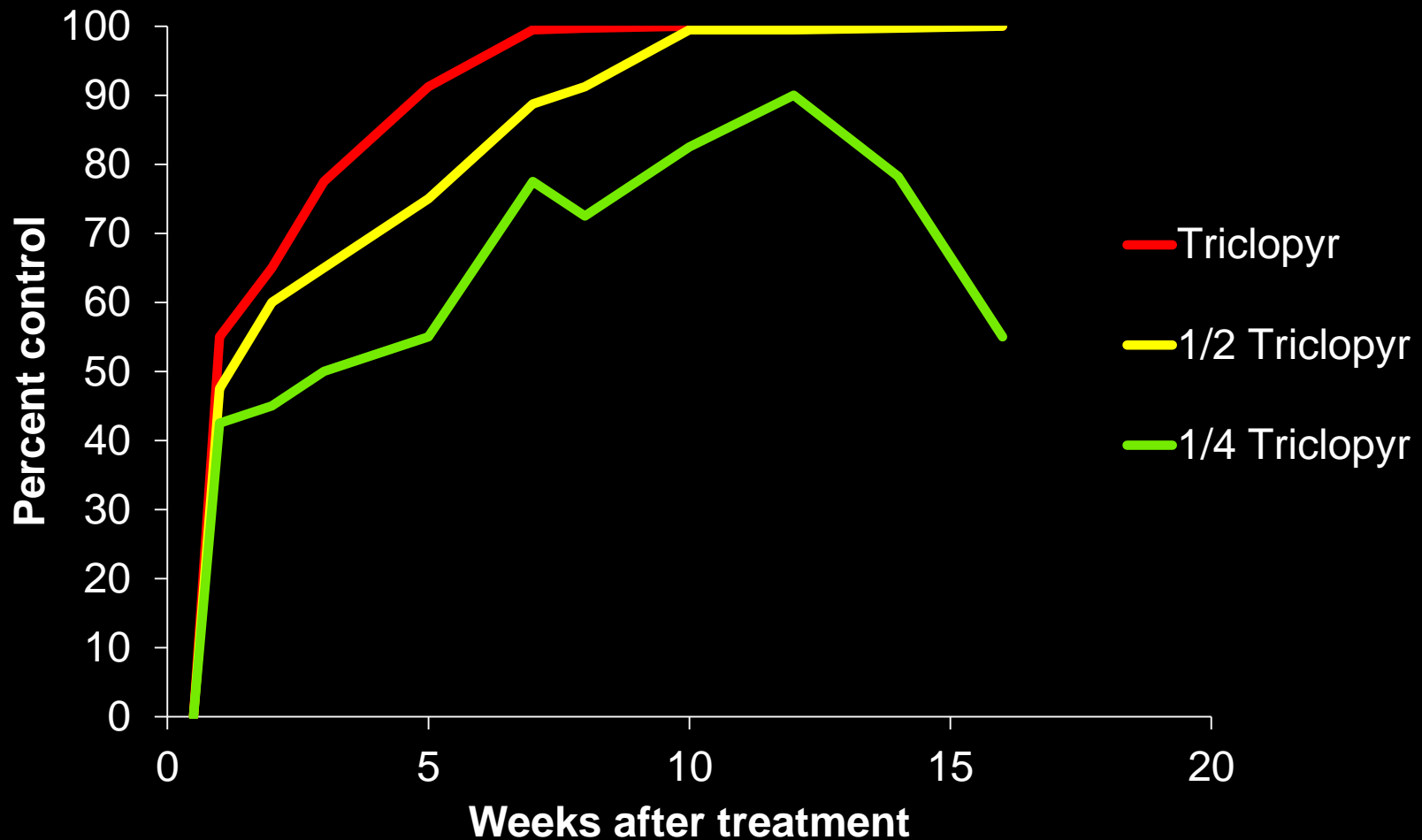
Plectranthus (*Plectranthus ciliatus*)



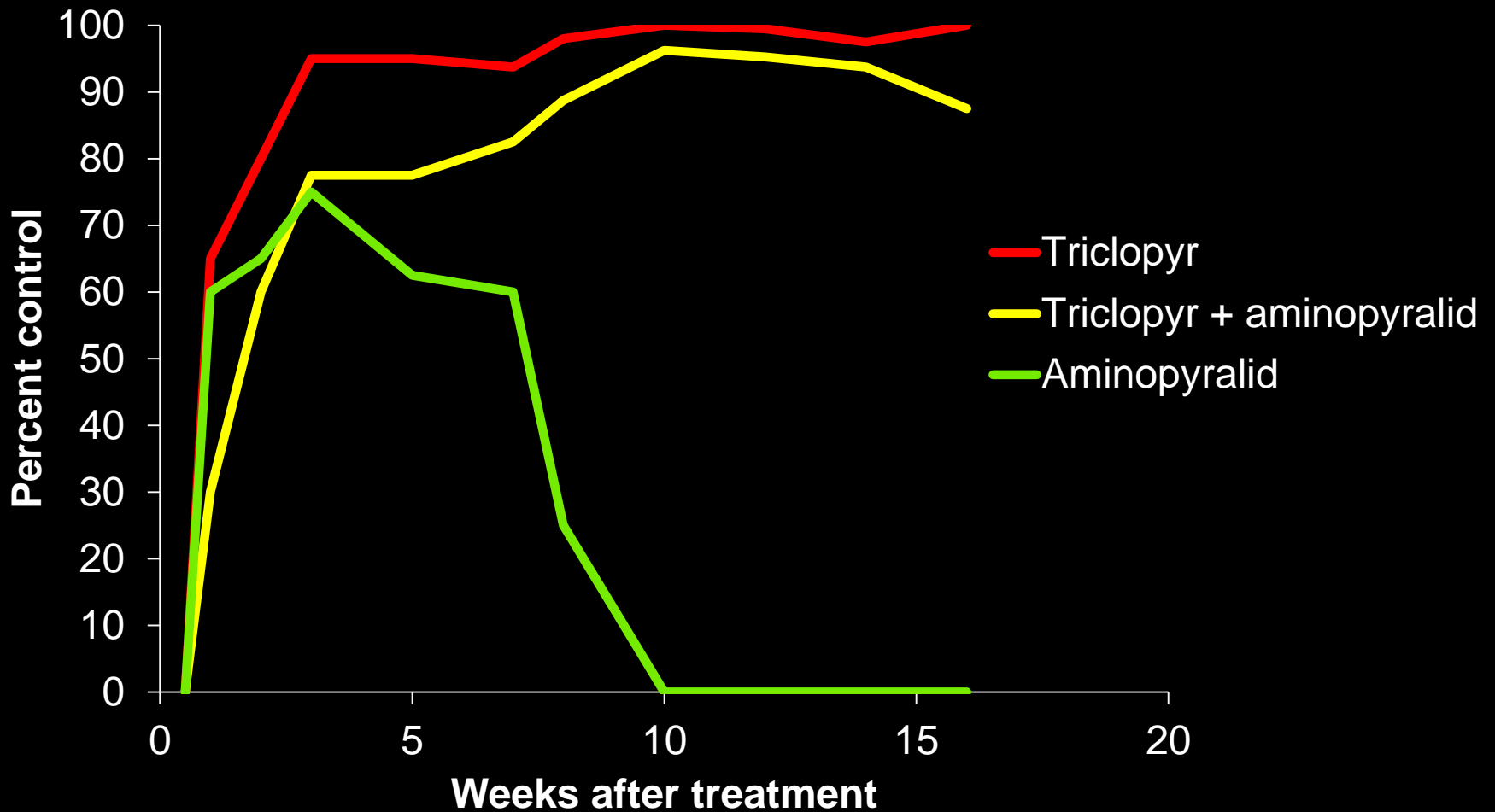
Aluminium plant (*Lamium galeobdolon*)



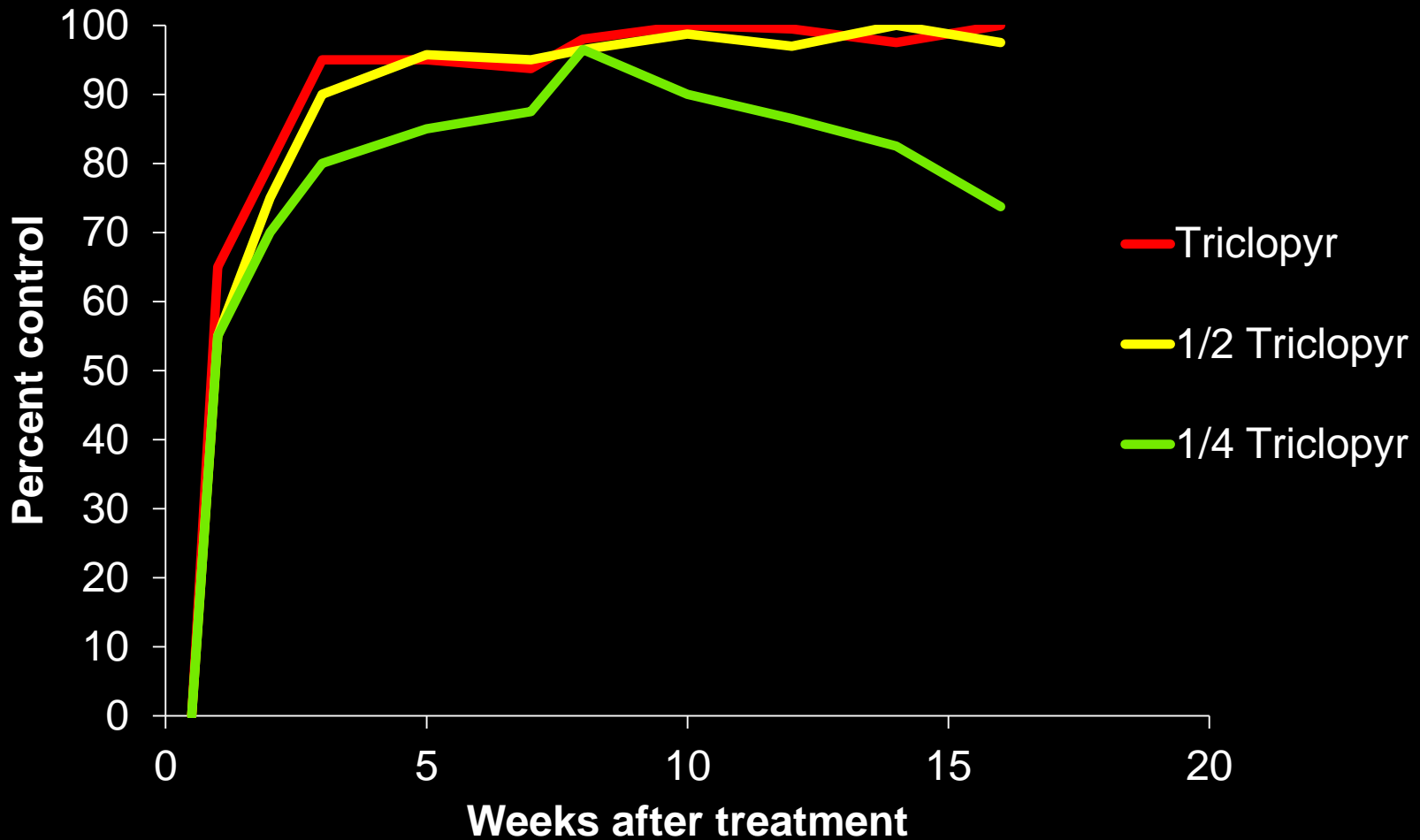
Aluminium plant (*Lamium galeobdolon*)



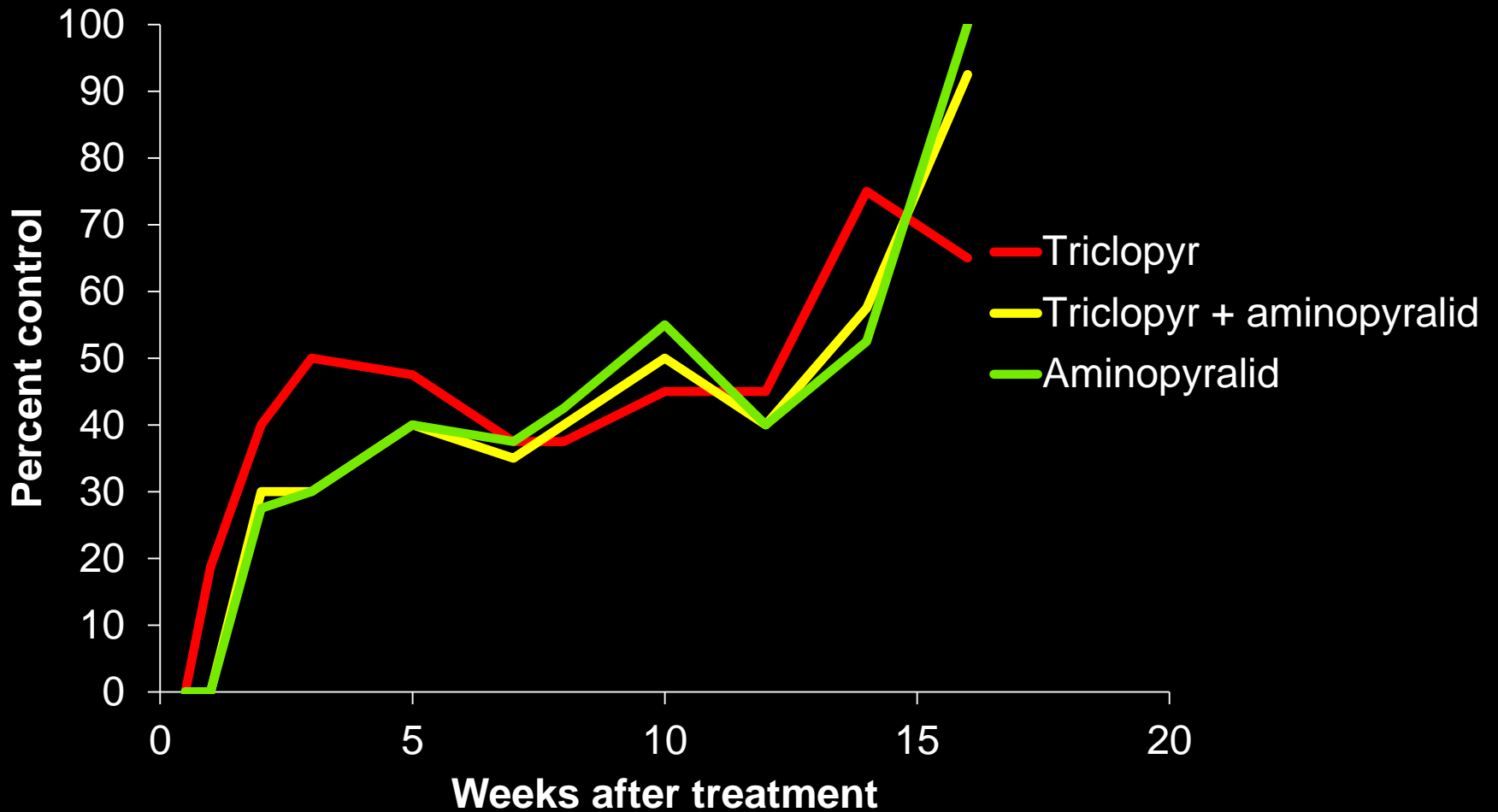
Climbing asparagus (*Asparagus scandens*)



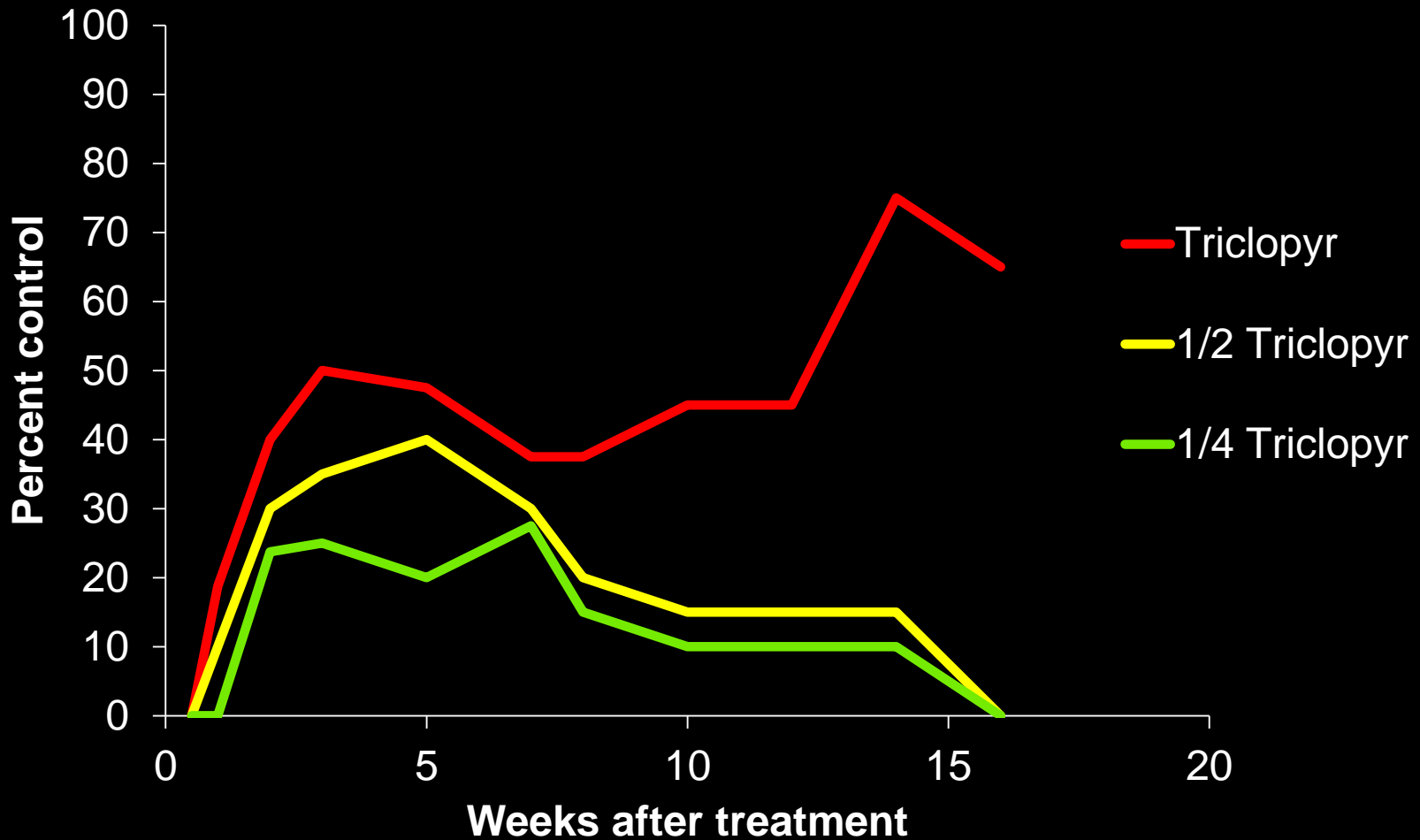
Climbing asparagus (*Asparagus scandens*)



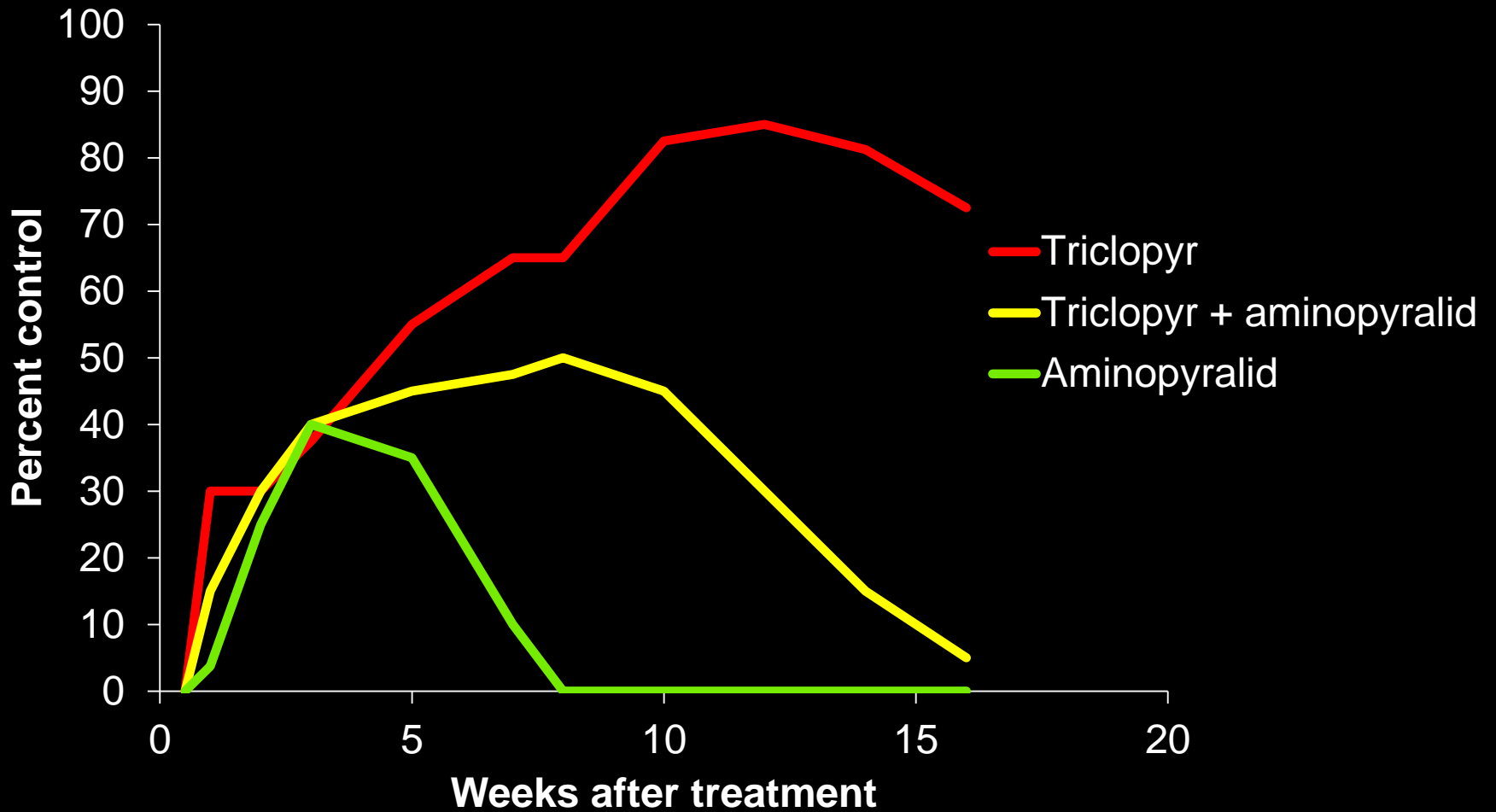
Selaginella (*Selaginella kraussiana*)



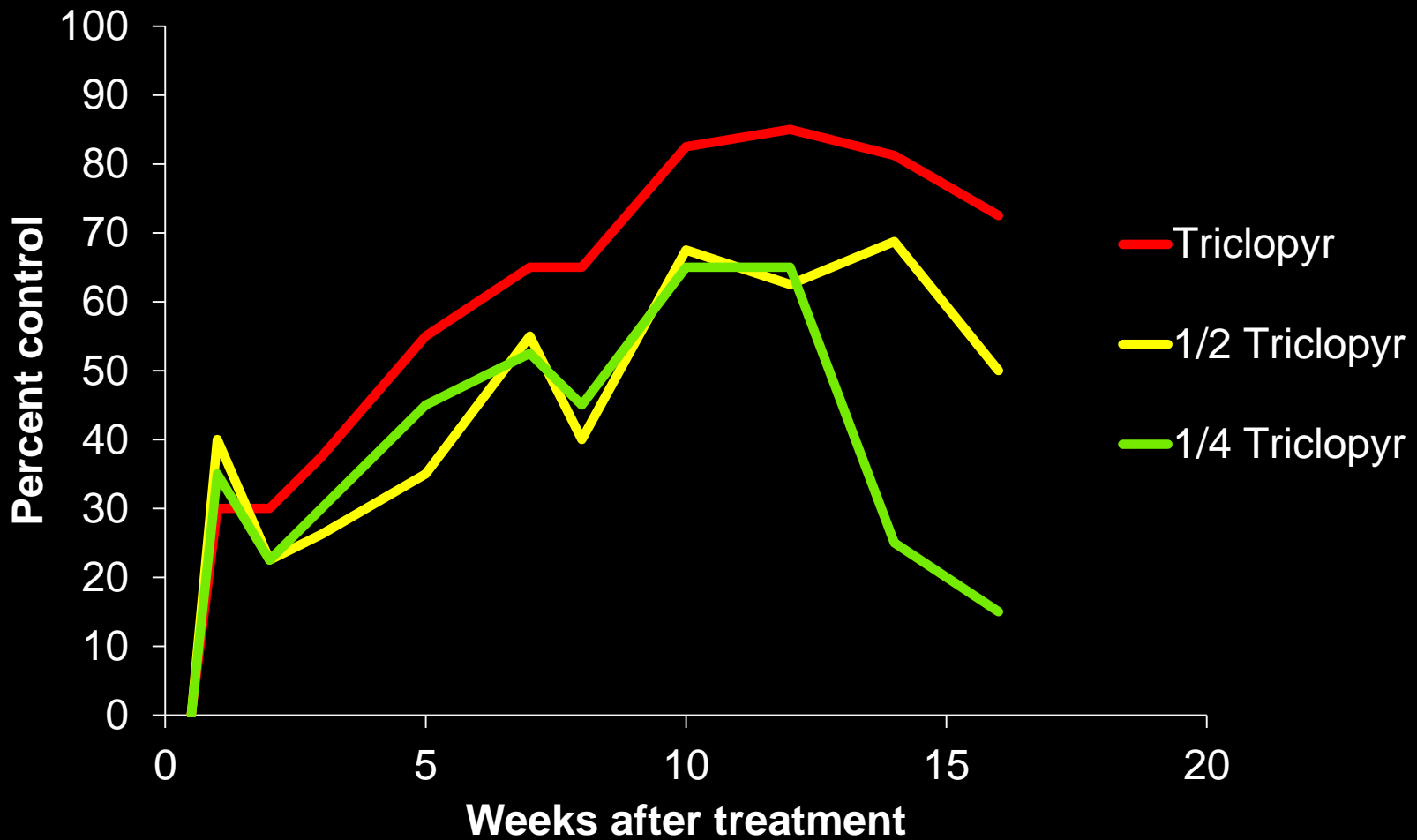
Selaginella (*Selaginella kraussiana*)



Ivy (*Hedera helix*)



Ivy (*Hedera helix*)

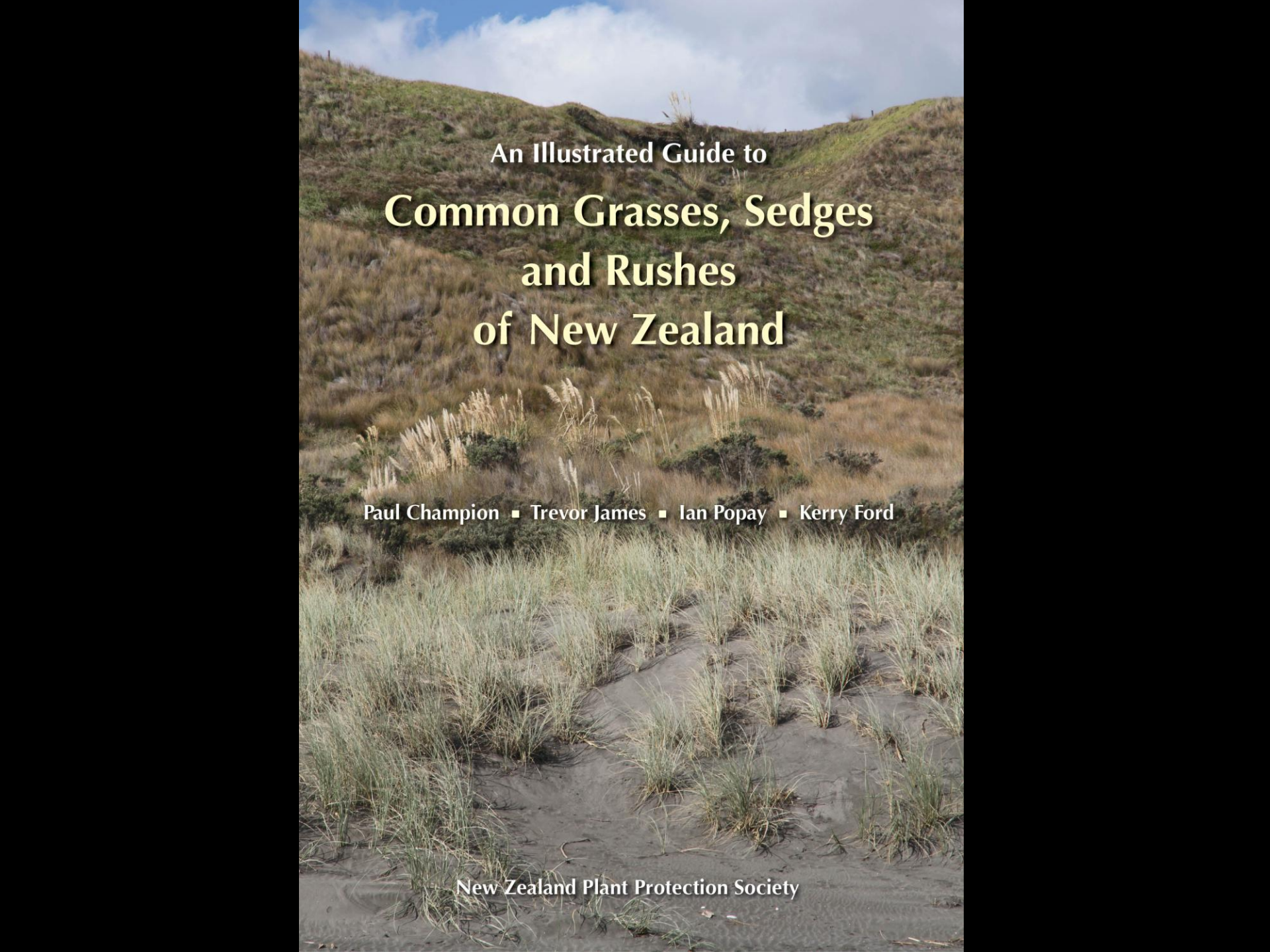


The ground cover species

- Wandering Jew (*Tradescantia fluminensis*)
 - Triclopyr good, half rate good
- Plectranthus (*Plectranthus ciliatus*)
 - No good option, tried adding desiccants
- Aluminium plant (*Lamium galeobdolon*)
 - Triclopyr good, half rate good
- Climbing asparagus (*Asparagus scandens*)
 - Triclopyr good, half rate probably no
- Selaginella (*Selaginella kraussiana*)
 - Aminopyralid good, half rate no good
- Ivy (*Hedera helix*)
 - No good option





The background of the cover is a photograph of a coastal dune landscape. In the foreground, there are dark sand dunes with clumps of tall, thin grasses. The middle ground shows a slope covered in a mix of grasses and small shrubs. The background features a grassy hill under a blue sky with scattered white clouds.

An Illustrated Guide to
**Common Grasses, Sedges
and Rushes
of New Zealand**

Paul Champion ■ Trevor James ■ Ian Popay ■ Kerry Ford

New Zealand Plant Protection Society