

AN INITIATIVE OF
Making More From Sheep



Healthy and contented sheep

Tamworth NSW

Gareth Kelly Sheep CRC

EVENT PARTNERS:

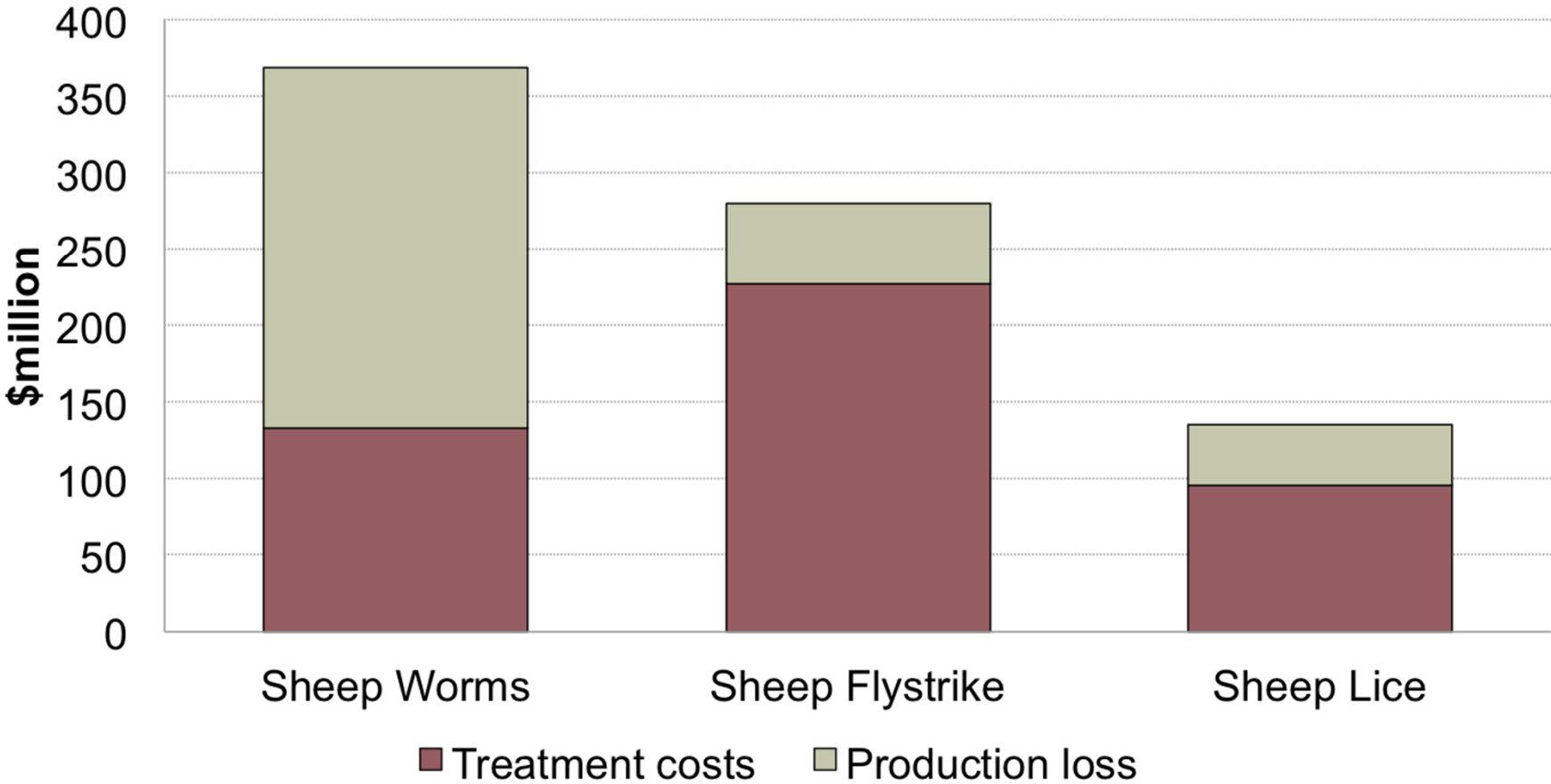


EVENT SUPPORTERS:



STATE
PRIMARY
INDUSTRY
AGENCIES

Annual cost of parasites



MLA (2006)

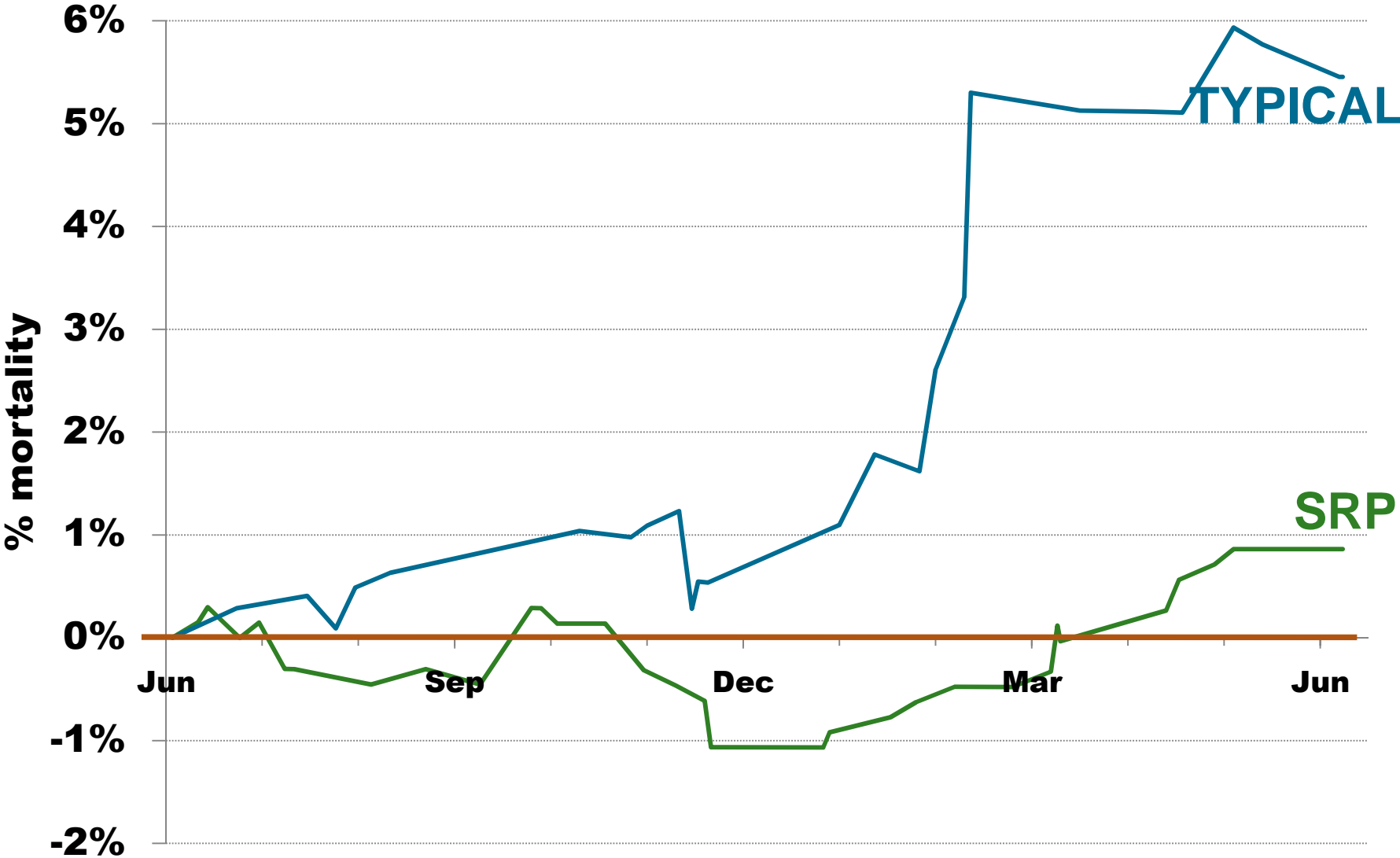
Worms

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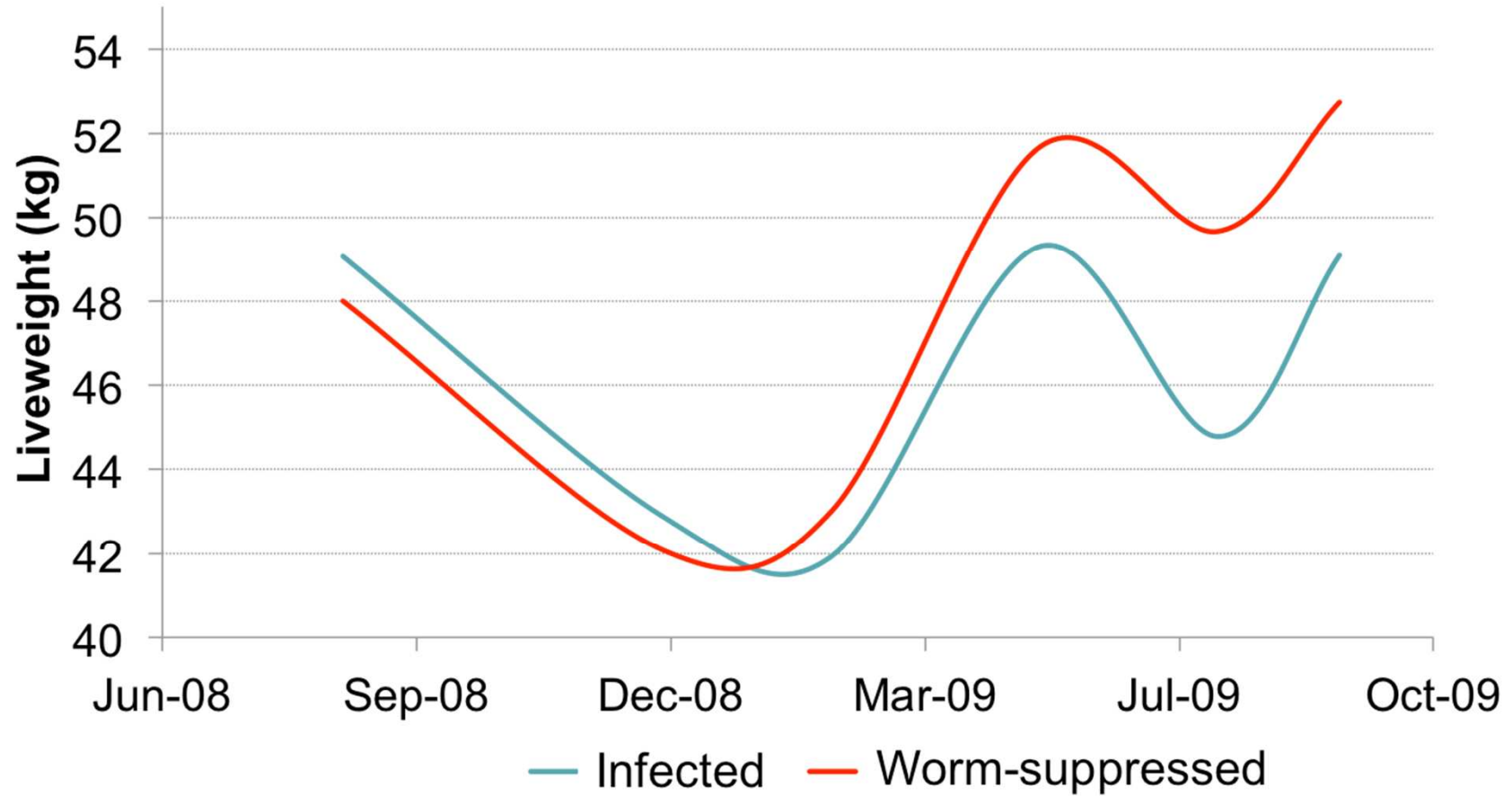
- Higher prices for sheep and lambs
- Highlights the importance of good worm control

Effect of worms on mortality



Effect of worms on liveweight

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Summer rainfall program

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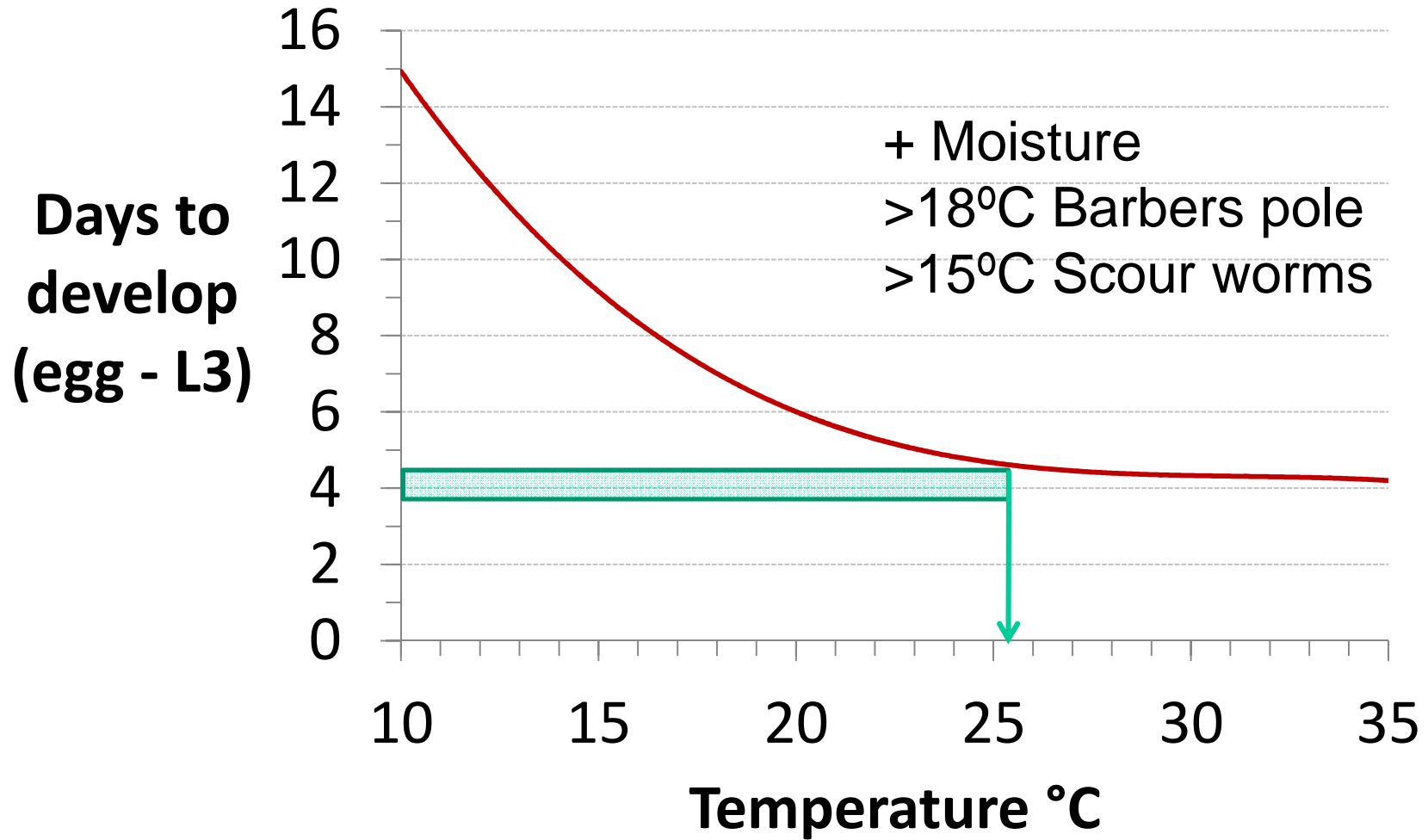


1. Prevention

- Host immunity – Low WEC ASBV
- Grazing management
 - Reduce drench frequency
 - Limit weight loss in ewes 1.4kg
 - Increase lamb growth rate 20 g/d

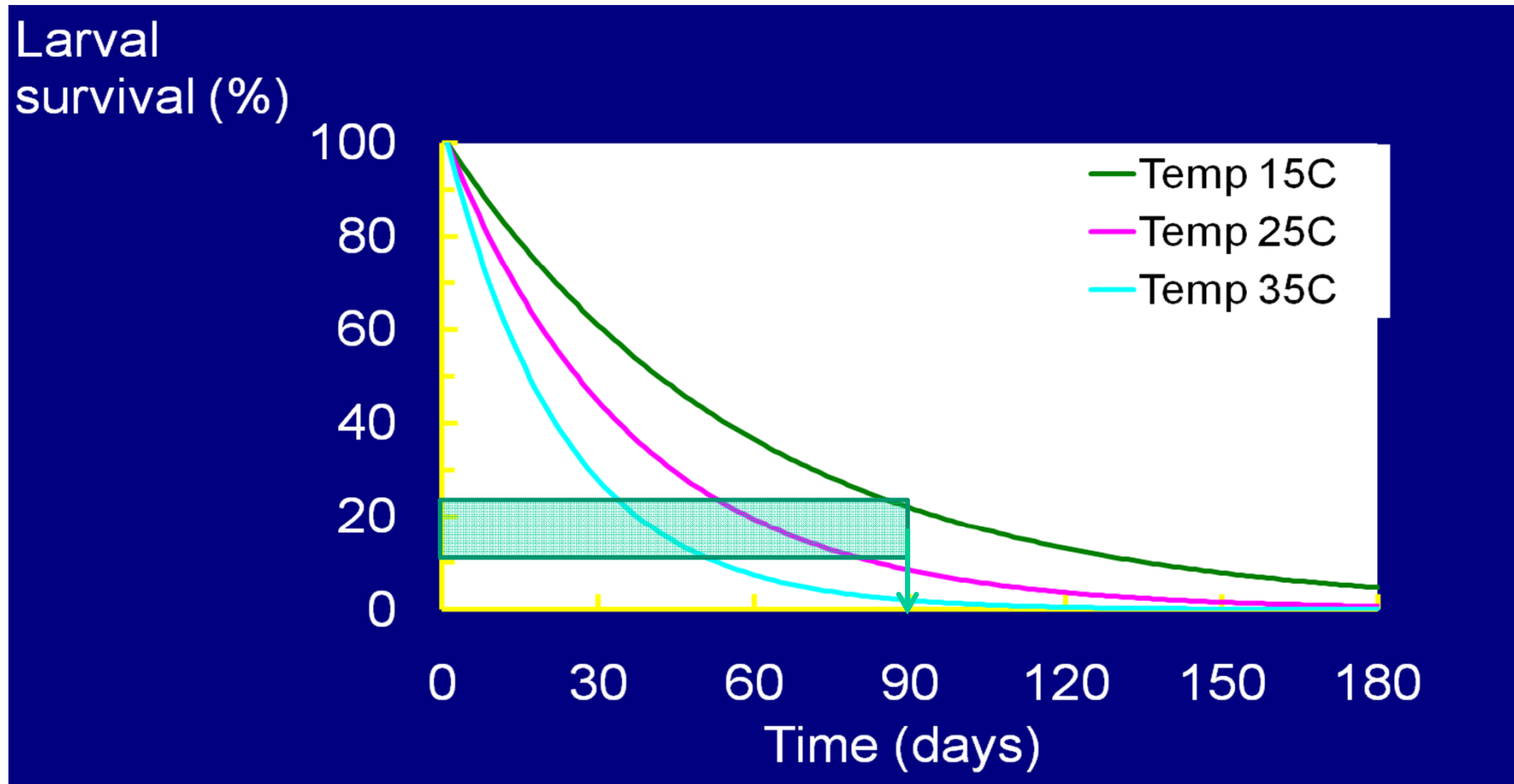
Grazing management

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Grazing management

- Rest periods from grazing allows for greater death of larvae



Grazing management

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Australian Wool
Innovation Limited

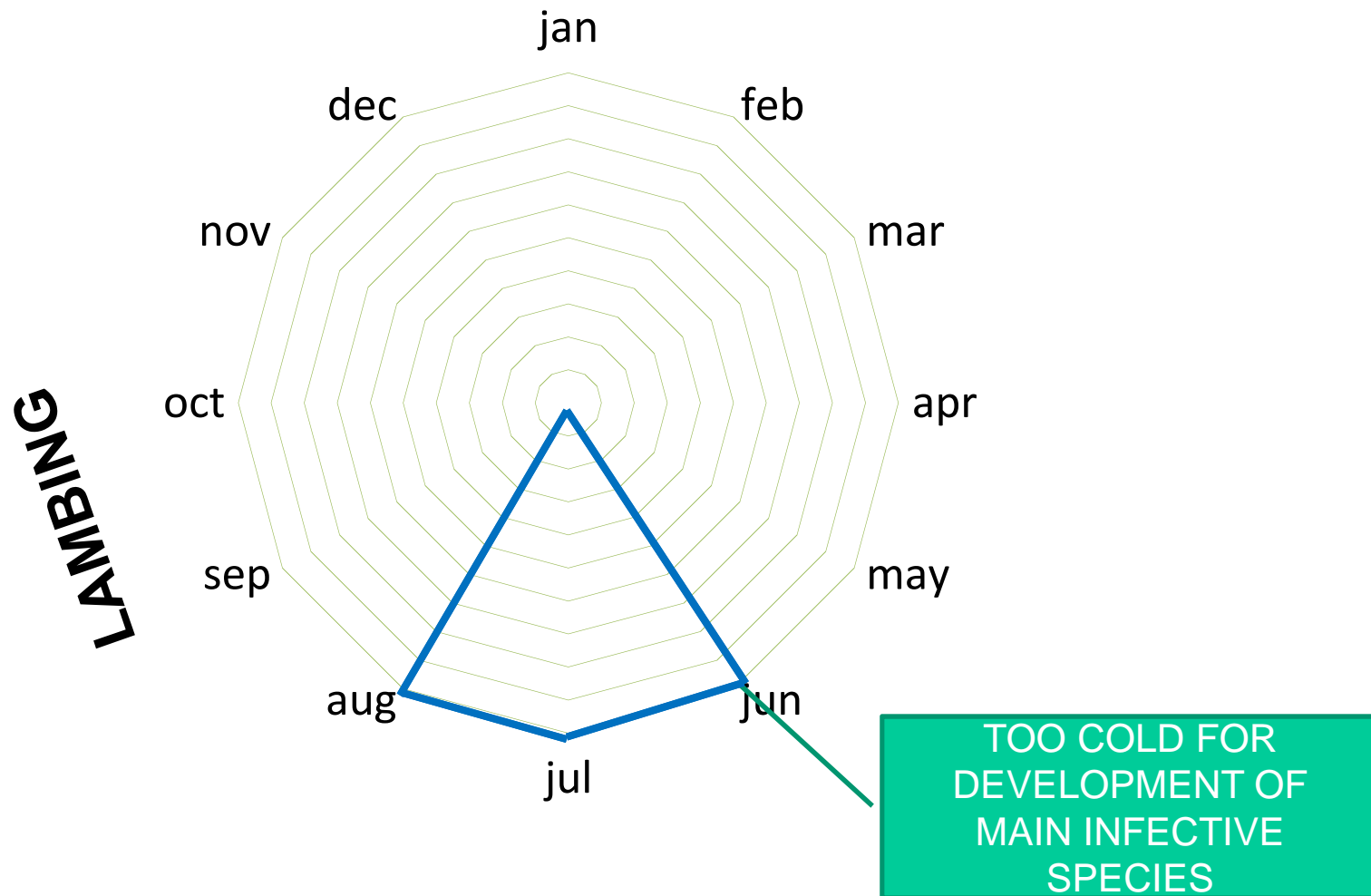


- Planned grazing
 - allows for short graze and longer rest periods
- Alternate grazing with cattle
 - allows for longer rest period and removal of infective larvae
- Grazing to prepare lambing paddocks

Prevention

Prepare lambing paddocks

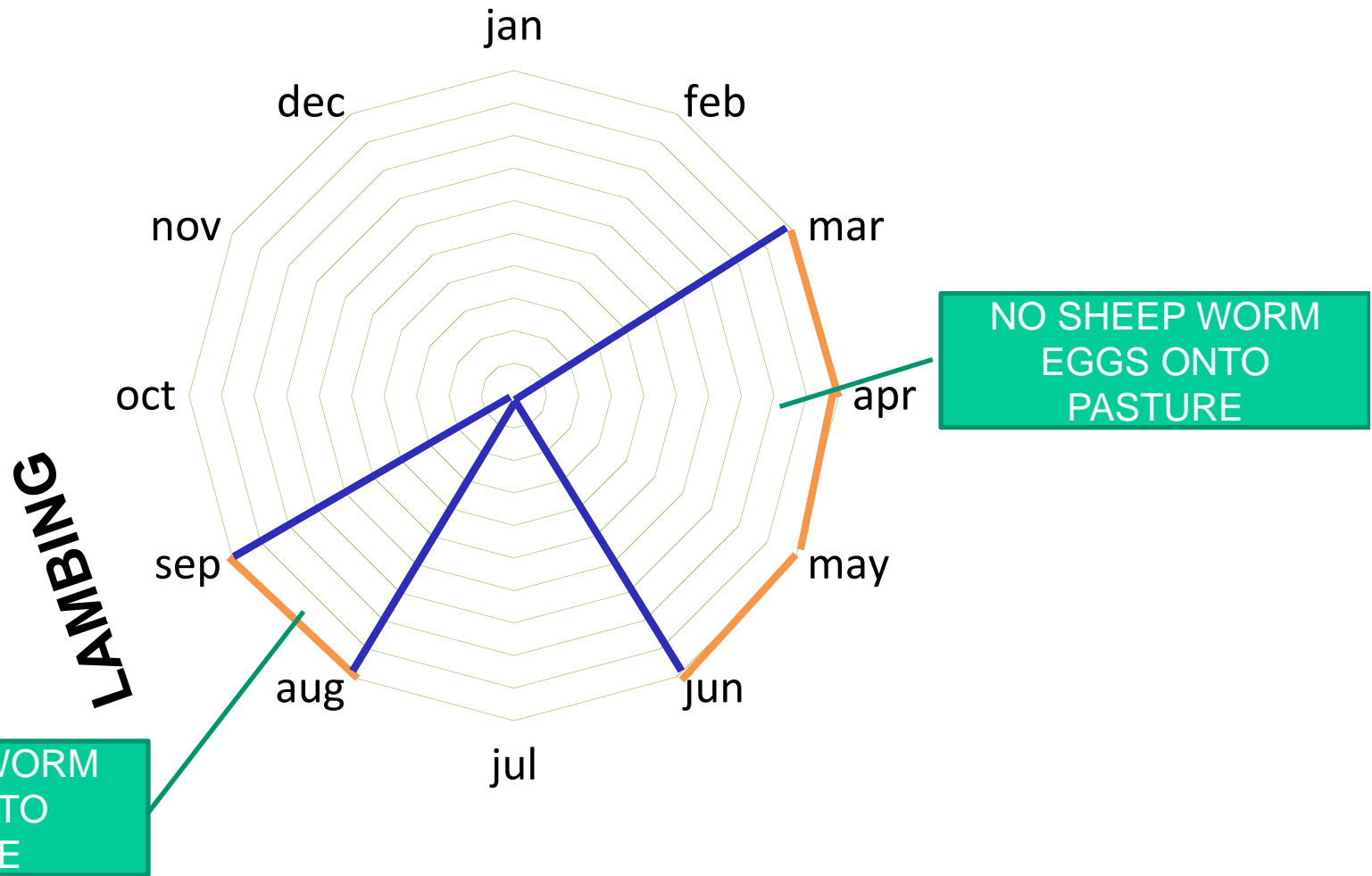
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Prevention

Prepare lambing paddocks

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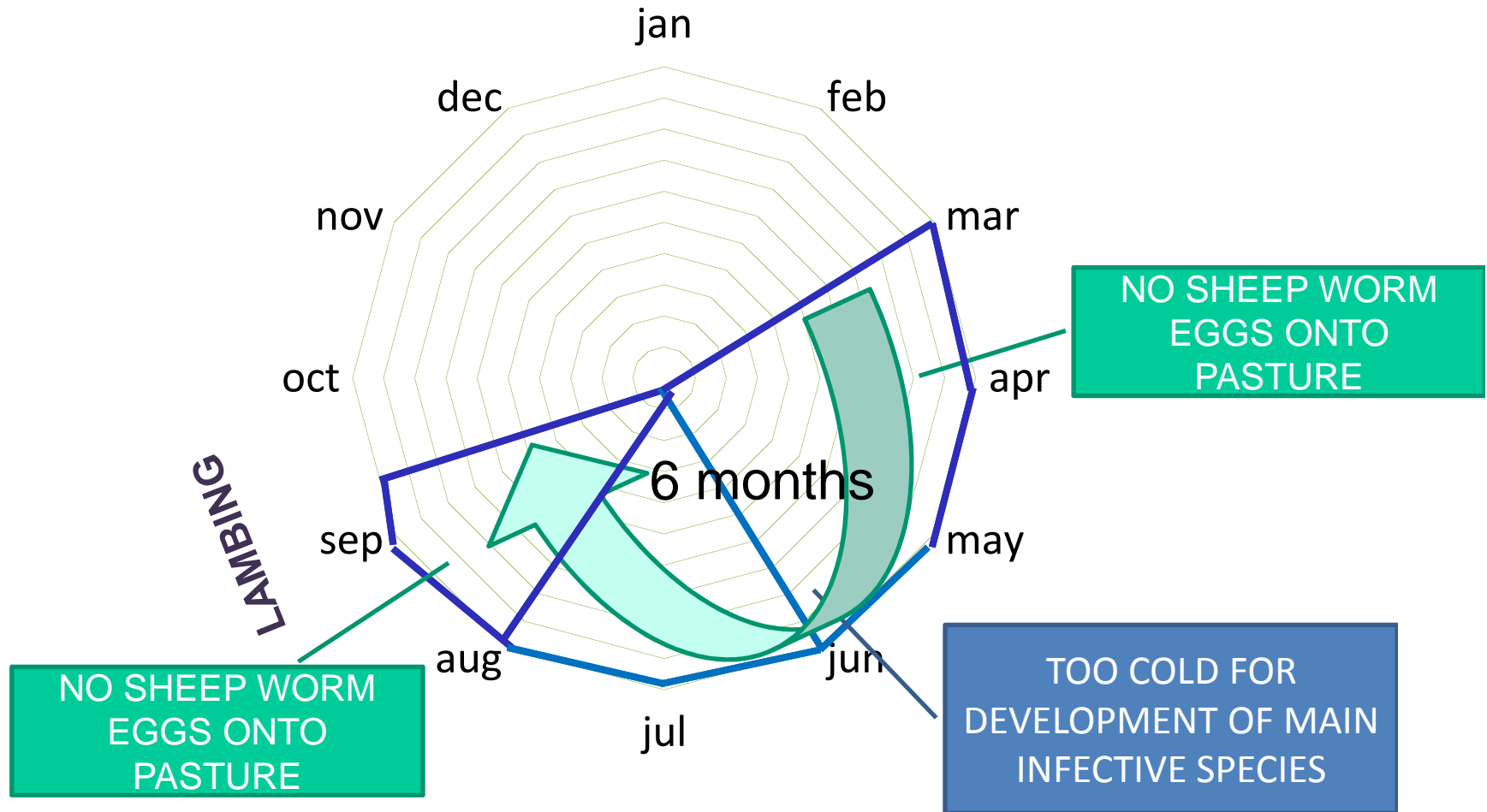
NO SHEEP WORM
EGGS ONTO
PASTURE

NO SHEEP WORM
EGGS ONTO
PASTURE

Prevention

Prepare lambing paddocks

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Summer rainfall program

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1. Prevention
2. Detection
 - Monitor worm egg counts

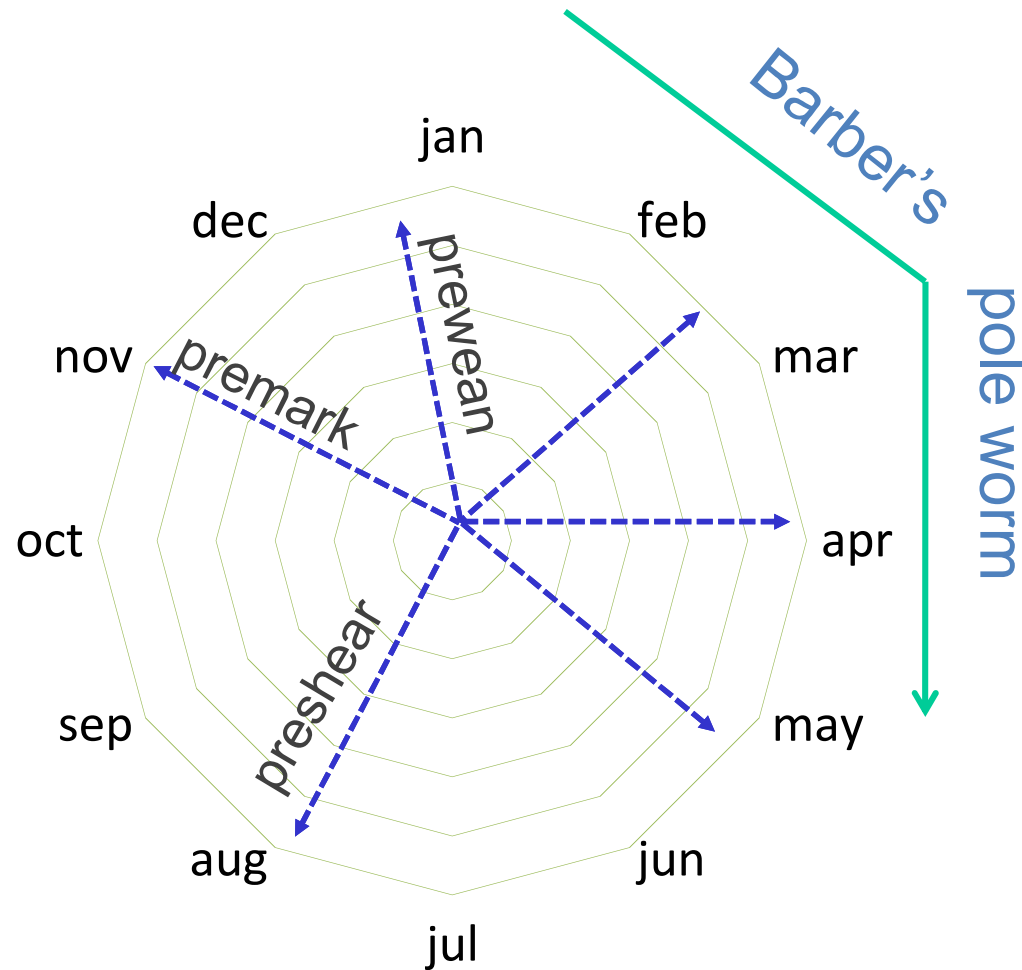
Detection

Monitor worm egg counts

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Critical times
Dipstick test



Summer rainfall program

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1. Prevention
2. Detection
3. Response
 - Drench Decision Aid
 - Treatment threshold
 - Effective drenches

Response

Worm egg counts to treat

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Animal condition	Pasture quality / quantity		
	Poor	OK	Good
Poor	600	800	1000
OK	800	1000	1100
Good	1000	1100	1200

Response

Worm egg counts to treat

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Scour worms	Pasture quality / quantity		
	Animal condition	Poor	OK
Poor	300	400	500
OK	400	500	600
Good	500	600	700

Managing drenches

Are you using effective drenches?

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95% Reduction in Barber's Pole worm egg count

Drench name	<i>Farms</i>					
	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>	<i>E</i>	<i>F</i>
Benzimidazole (BZ)	✗	✗	✗	✗	✗	✗
Levamisole	✗	✓	✓	✗	✗	✗
Combi (BZ + levamisole)	✓	✓	✓	✓	✓	✓
Seponver/Closantel	✓	✗	✓	✗	✓	✗
Rametin + BZ	✓	✓	✓	✓	✓	✓
Ivomec	✗	✗	✗	✗	✗	✗
Cydectin	✓	✓	✓	✗	✓	✗
Cydectin LA	✓	✓	✓	✗	✓	✓

Manage drenches

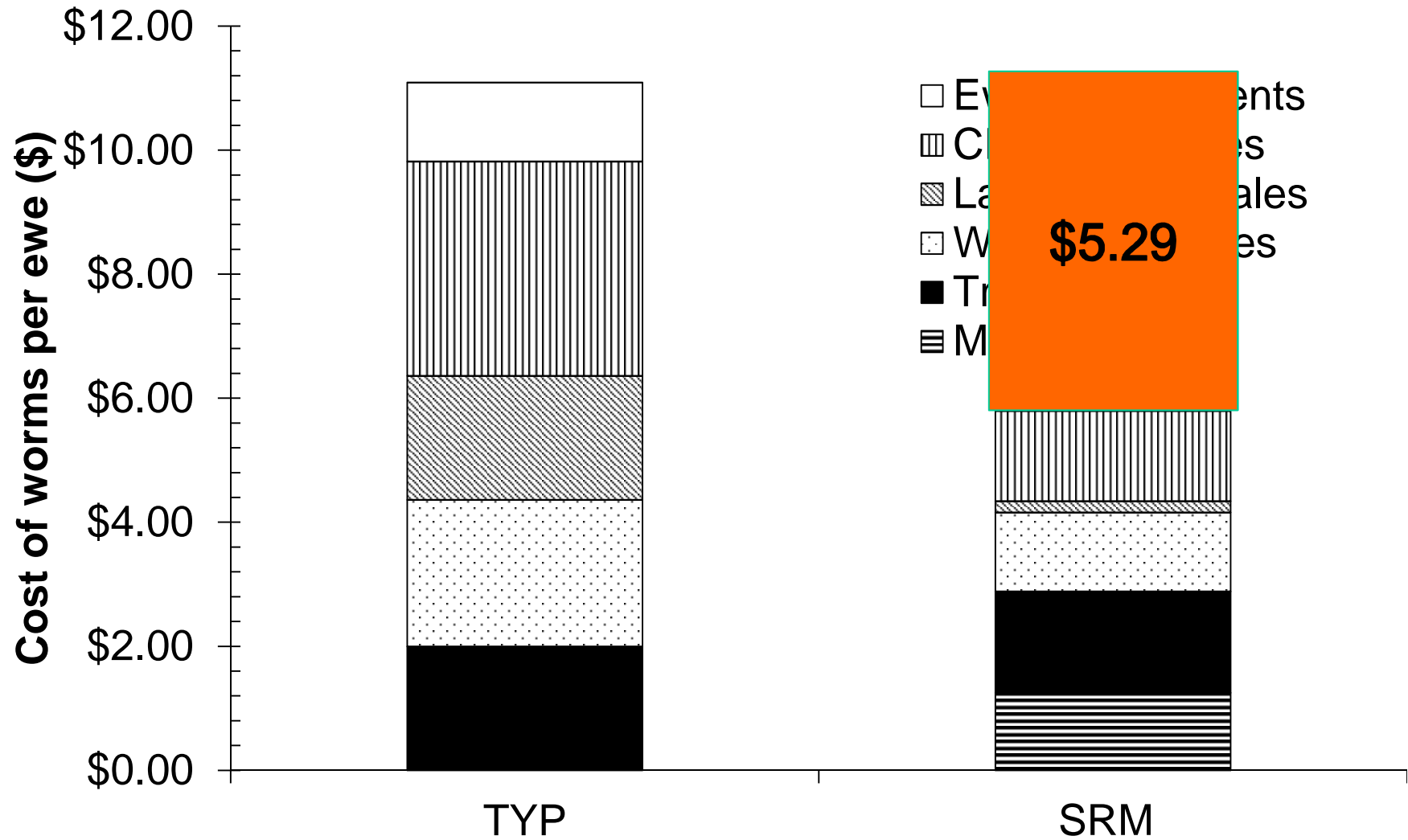
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- Use effective drench
- Rotate class within flock
- Rotate class within paddock
- Don't import resistance
 - 4 classes
- Wormboss

Cost of worms

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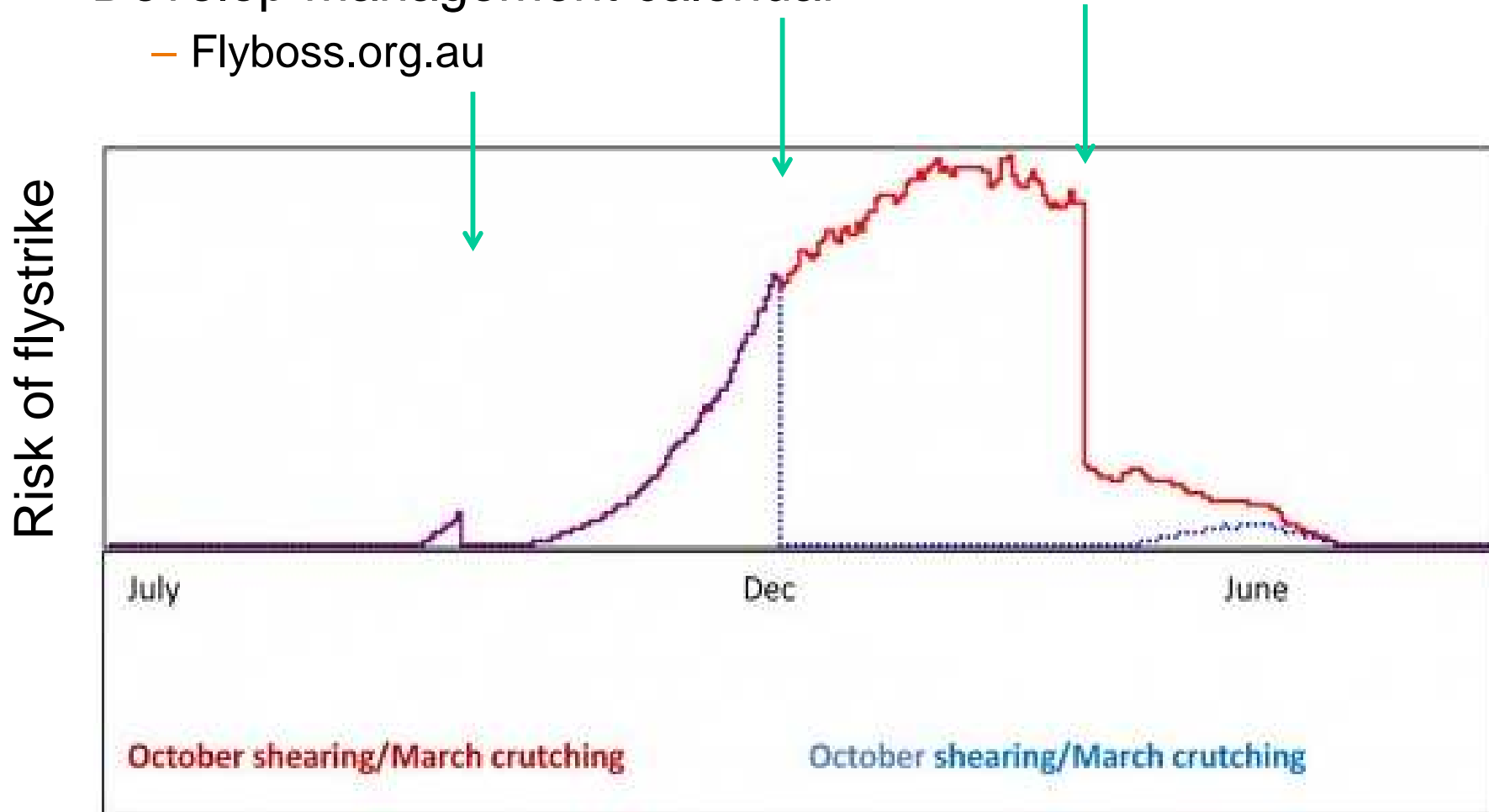


Flystrike management

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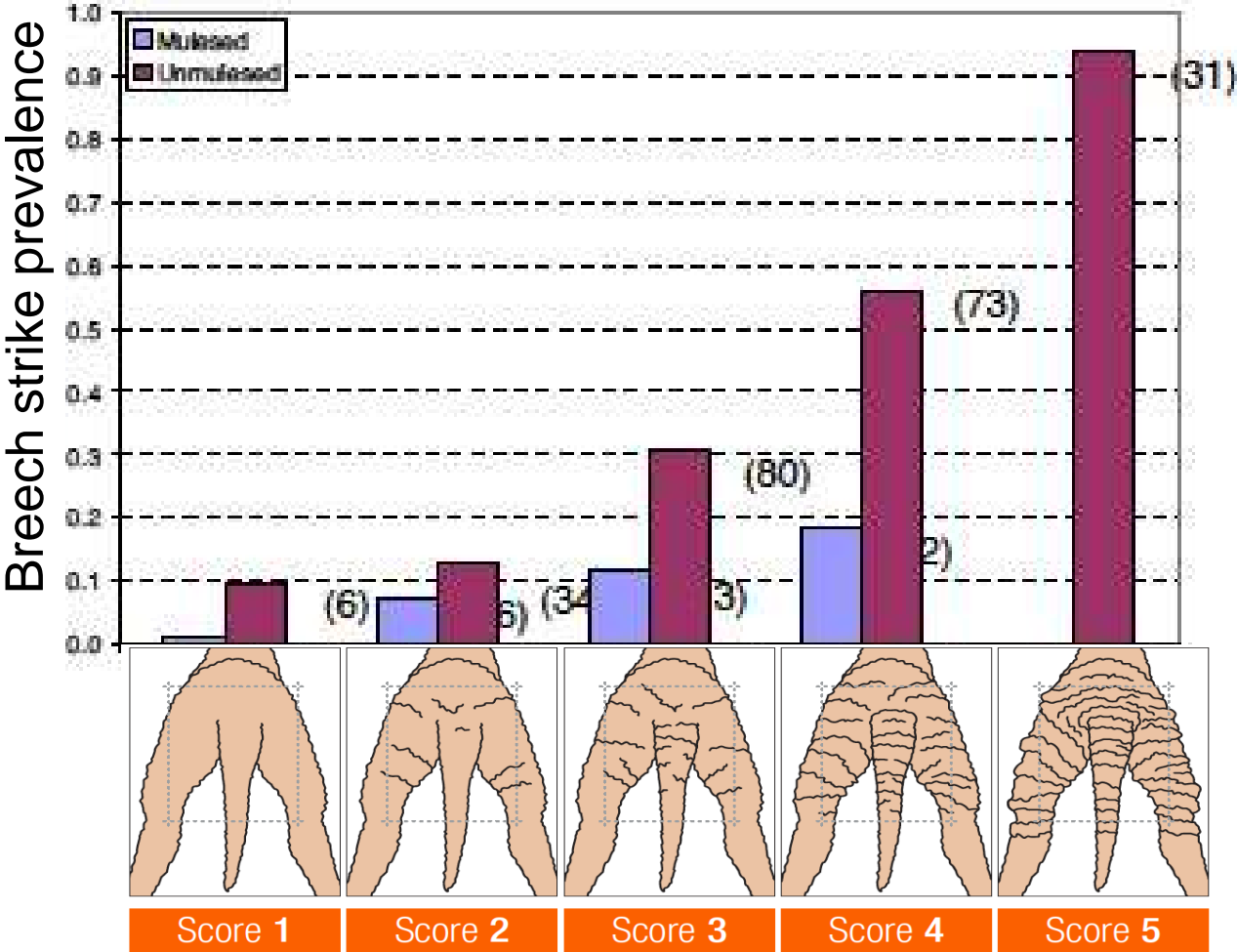


- Develop management calendar
 - Flyboss.org.au



Flystrike management

- Develop management calendar
- Improve genetics – Breech wrinkle ASBV

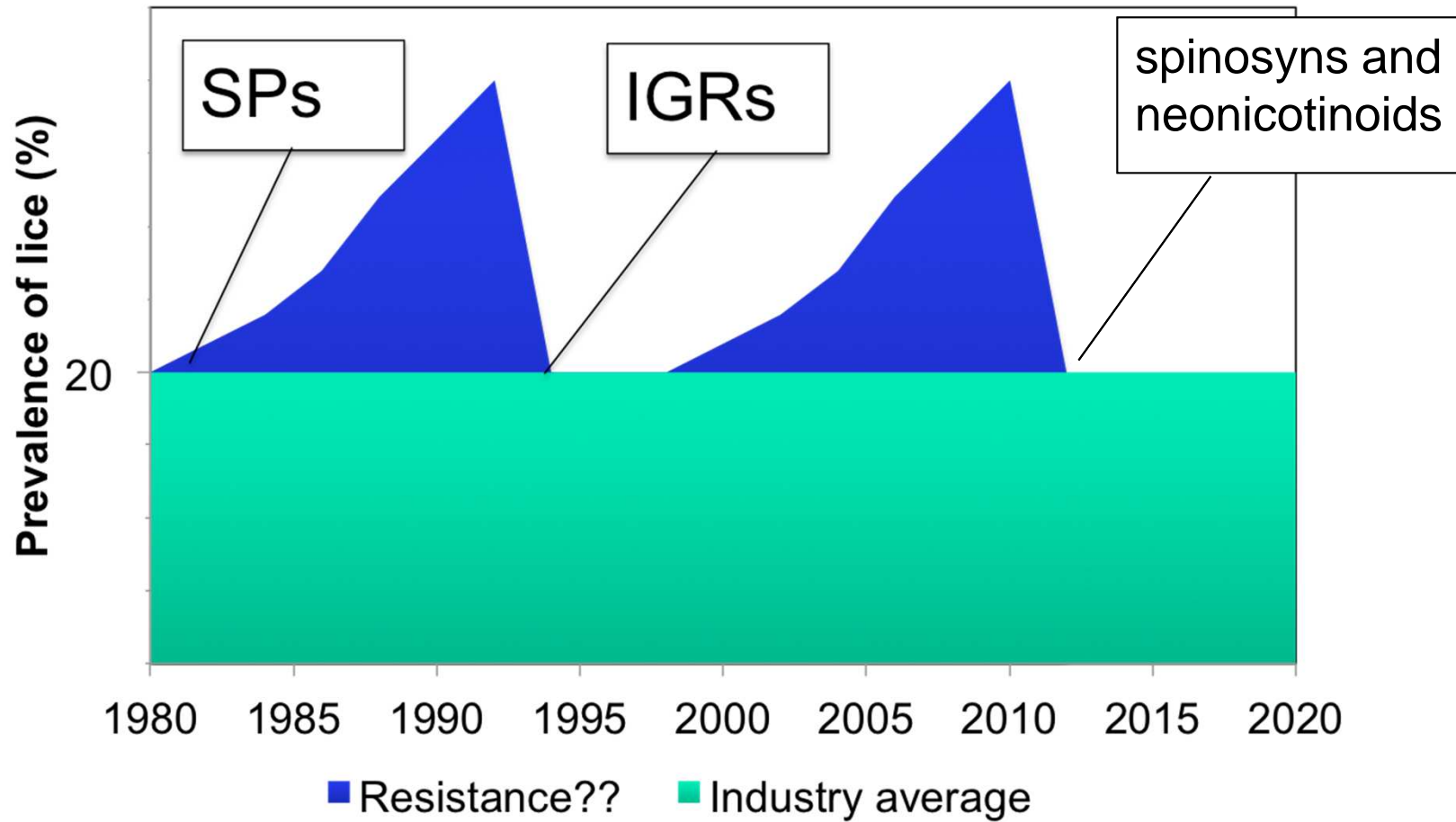


Source:
Wool.com.au

- Prevention
 - Biosecurity – boundary fences & quarantine
- Treat effectively
 - **All sheep**
 - Effective chemicals (e.g. Avenge, Extinosad)

Lice prevalence

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- Avoid
 - Cost effective
- Assess the risk
 - Know status of incoming sheep
- On arrival
 - Treatments
- Quarantine
 - 3 months in risk period

Tool 11.15



Quarantine
periods for
important sheep
diseases

Take home messages

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- Worms
 - Prevent Detect Respond
 - Flystrike
 - Management plan
 - Lice
 - Treat effectively
 - Biosecurity
 - Know status
 - Quarantine
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