

2018 BREECH FLYSTRIKE RD&E TECHNICAL UPDATE

ParaBoss Update

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17 July 2018



paraboss

manage sheep parasites

advice online, anytime

wormboss

flyboss

liceboss



ParaBoss

- Websites
- Newsletter
 - 2 editions: Feature articles, State outlooks
- Facebook (sheep, goats)
- Magazine articles
- Professional Technical Forum
- Professional Conference
- National Training Program
- WEC Quality Assurance Program

wormboss

flyboss

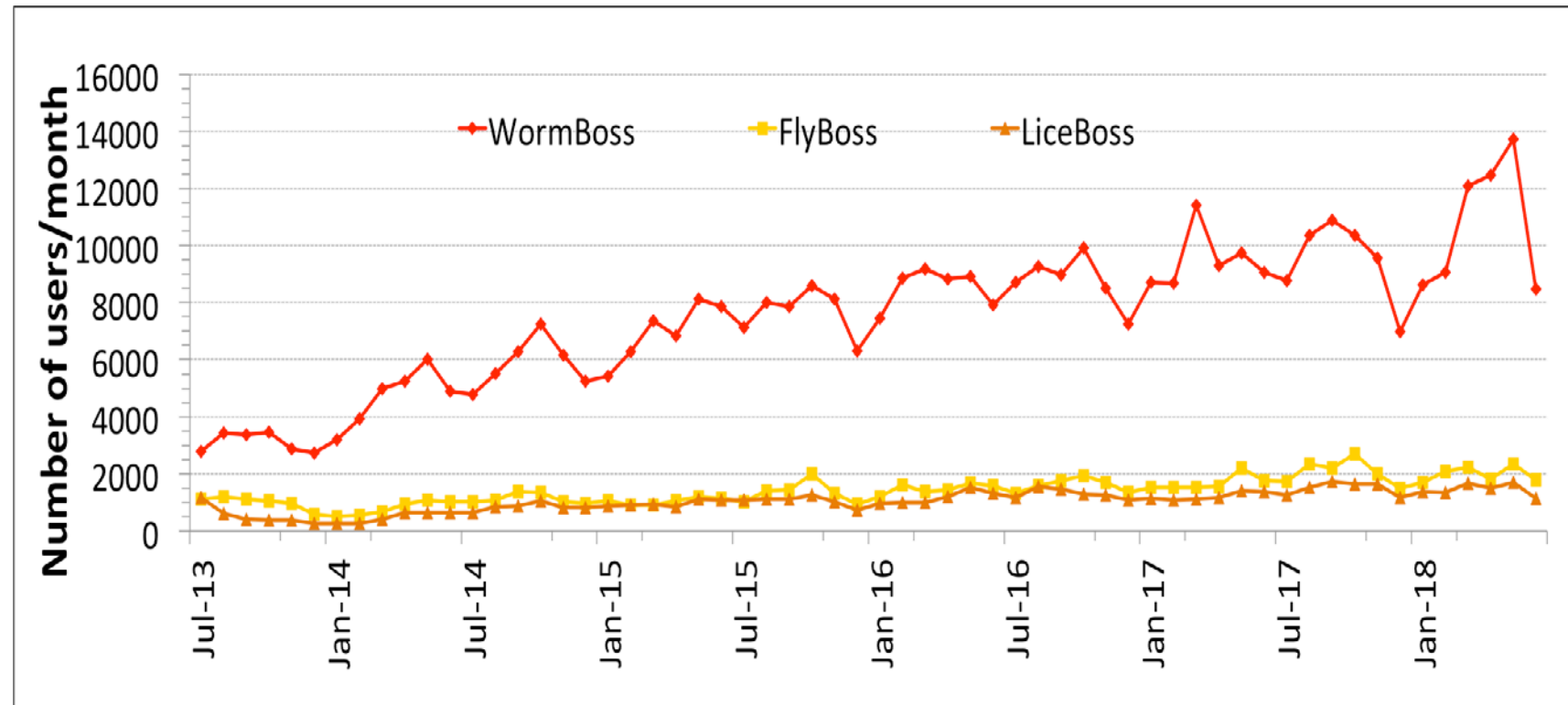
liceboss



- Australia's premier resource for flystrike control information
- Web content used as base for other delivery
 - About flies, flystrike and susceptibility
 - Breeding and selection for flystrike resistance
 - Management
 - Treatment
 - FlyBoss Tools

ParaBoss web site use continues to grow

Unique users	WormBoss	FlyBoss	LiceBoss	Total WB, FB, LB	ParaBoss	Total with ParaBoss
June '16-May '17	108,430	19,546	15,084	143,060	11,001	154,061
June '17-May '18	121,988	24,406	17,919	164,313	11,696	176,009
% Increase in users year-on-year	12.5%	24.9%	18.8%	14.9%	6.3%	14.2%



Web site responsiveness upgrade

- Re-development of all Boss web sites
- Ease of use on smaller devices
 - 2018 — mobiles now exceed desktop use for web browsing
- Essential for interactive tools
- Transition from private developer to UNE (ASKBILL team)



FlyBoss, WormBoss and LiceBoss tools re-programming

- Re-program existing Boss tools in Javascript to work in responsive sites
- FlyBoss:
 - Products Tool (database of registered fly and lice treatments)
 - Compare Management Tool
 - Optimise Treatment Tool
 - Latter two amalgamated and sheep traits added
 - Option to be the “freeware” version of AskBill flystrike component

Check flystrike risk and optimise treatment time

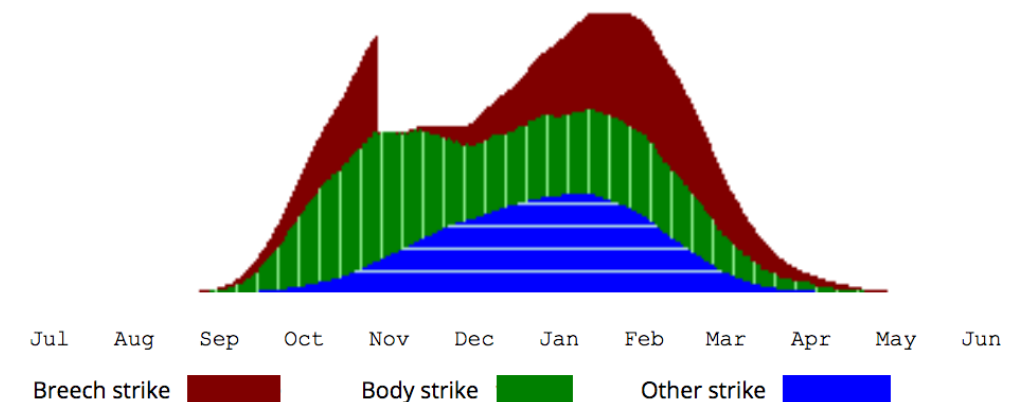
Weather Station Dubbo (Darling Street)

Work out when your sheep are at most risk of strike, based on shearing and crutching time and the normal long term weather pattern for your region.

If there are mobs with different shearing or crutching dates, then calculate each mob in turn.

Shearing date June ▾ Mid-month ▾	First crutching date November ▾ Mid-month ▾	Second crutching date No crutching ▾ Mid-month ▾
Breec modification <input type="radio"/> None <input checked="" type="radio"/> Mulesed <input type="radio"/> Clips <input type="radio"/> Intradermal	First chemical treatment No treatment ▾ February ▾ Mid-month ▾	Second chemical treatment No treatment ▾ Select month ▾ Mid-month ▾

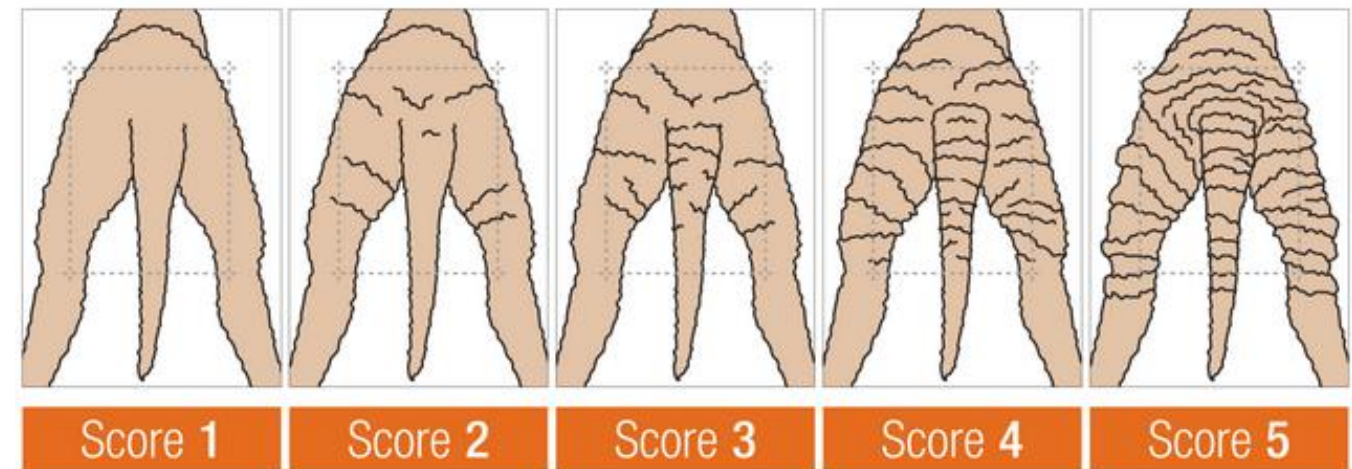
Calculate



Flystrike risk tool

- Uses long-term weather data for your location
- Assesses your flystrike risk against time of year
- Modify risk map with your:
 - Shearing time
 - Crutching times
 - Chemical inputs
 - Breech modification status
 - Sheep traits (breech or body wrinkle, breech cover, dag)
- “What if” options to simulate changes in breeding, management, treatments
- Signposts to procedural information on what to do and when to do it

Breech Wrinkle – Lambs



ParaBoss Parasite Management Conference

- Melbourne, 17 August 2018
- Targeting professional advisors:
 - vets, consultants, pharmaceutical company staff, extension staff, researchers, WEC providers
 - Multiplier for ParaBoss delivery
- Program
 - Scouring: causes, diagnosis, management and treatment
 - Effective worm control while managing drench resistance
 - Goat and Camelid drenches
 - **Flystrike management: breeding, interactive decision tools, ASKBILL, management after stopping mulesing**



ParaBoss User survey

- Who uses ParaBoss?
- How?
- Why?
- What can we improve to increase use and adoption of best practices?
 - Web sites
 - Newsletter
 - Facebook
 - Other
- In conjunction with other funder surveys showing awareness and value of Boss sites



Roadmap to cease mulesing

- Don't just stop! Planning makes for a better transition
- Checklist to assist those ceasing mulesing
- Integrated with the Flystrike Risk Tool
- Question-based prompts to review
 - Current susceptibility of their sheep
 - Current knowledge, skills and facilities to manage changed risk of strike
 - Options that may be appropriate
 - Needs for learning/training
- Tips to make the transition successful
- Links to how-to resources on FlyBoss



ParaBoss National Training Program

- Targets advisors, esp. rural merchandise staff
- Very influential at point of sale of parasite treatments
- Work with existing training providers (pharmaceutical companies)
- ParaBoss independent assessment and recognition of parasite management knowledge and skills
- Promotion of recognized advisors to producers



Worm Egg Count QA Program

- Scheme to assess quality of WEC services
- Identify, recognize and promote those with accurate services
- Assist the rest
- User-pays



Key information delivery

- Web sites: WormBoss, FlyBoss, LiceBoss
 - Review and improve pages, add summaries, add images, videos and audio
- ParaBoss News
 - Free electronic newsletter, two editions per month
 - feature articles (worms, flies, lice, goat worms), quiz, state outlooks
 - Over 3200 subscribers
- Facebook
 - One post per week each on flystrike, worms, lice and goat worm control
- Beyond The Bale
 - Quarterly article (worms or flystrike or lice)
- Cattle ParaBoss
 - In development >> release in mid-2019
 - WormBoss, FlyBoss (Buffalo Fly), LiceBoss, TickBoss

ParaBoss News

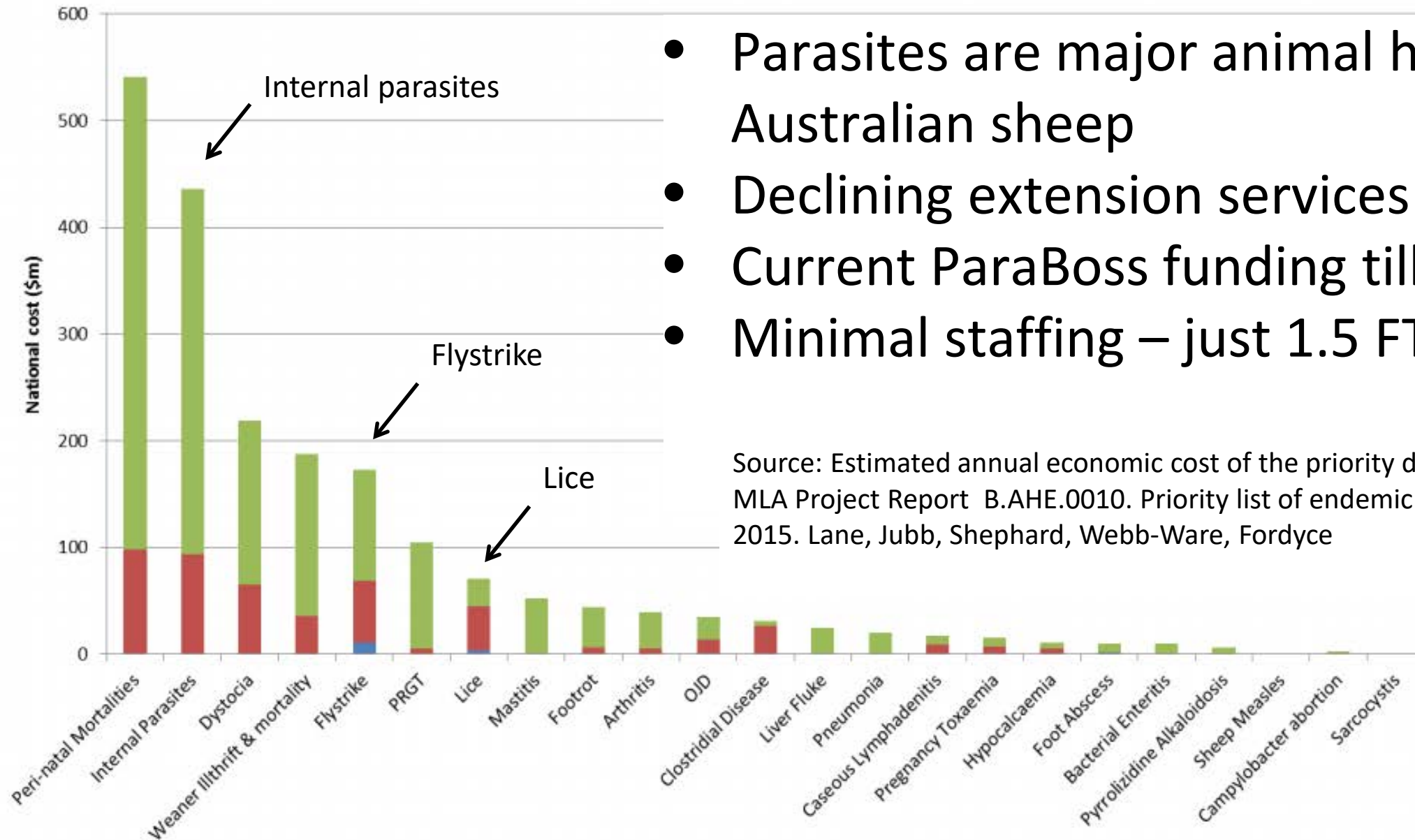


Beyond
thebale



flyboss

Future of ParaBoss



- Parasites are major animal health issues for Australian sheep
- Declining extension services and parasitologists
- Current ParaBoss funding till mid-2020
- Minimal staffing – just 1.5 FTE across 3 people

Source: Estimated annual economic cost of the priority diseases for sheep. MLA Project Report B.AHE.0010. Priority list of endemic diseases for the red meat industries 2015. Lane, Jubb, Shephard, Webb-Ware, Fordyce

Future of ParaBoss

- AWI & MLA keen for ParaBoss to explore commercial funding opportunities
- Already gain advertising from animal health companies, but small market
- Other options have been explored, but very limited opportunities
- Future likely to be dependent on continued RDC funding

flyboss

www.flyboss.com.au

ParaBoss News and ParaBoss on Facebook

www.paraboss.com.au