

26 July 2019

ASKBILL – forecasts to assist sheep management decisions

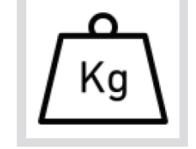
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ASKBILL











pasture

weight

flies

worms

extreme weather



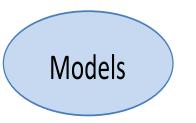
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Predictions rely on:

- Bureau of Meteorology
 - long-term average and forecast weather data, updated daily
- Models
 - pasture, animal, worms, flies, extreme weather



Farm Climate and data Genetics data



Forecasts and alerts



What-if scenarios

Management action

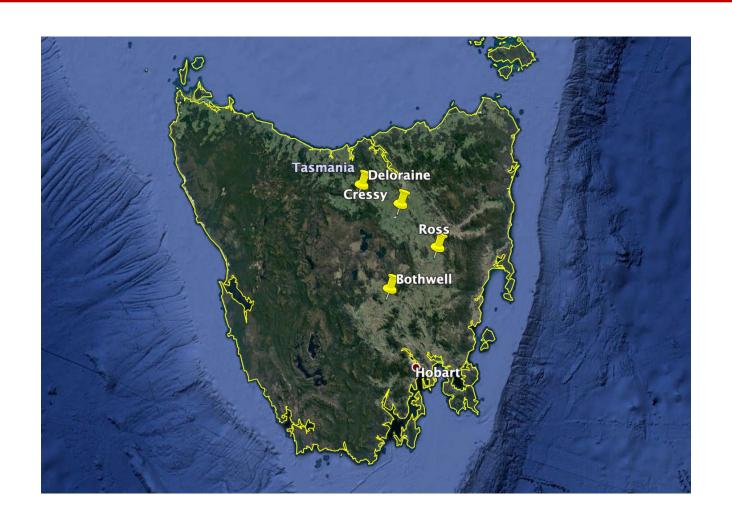


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• Live demonstration



ASKBILL — Tasmanian validation sites





ASKBILL — Tasmanian validation trials

- On-farm monitoring of:
 - pasture quantity and quality (monthly)
 - liveweight (3–4 week intervals)
 - carcase (HSCW and GR depth)
 - livestock inventory and movements
 - worm egg count

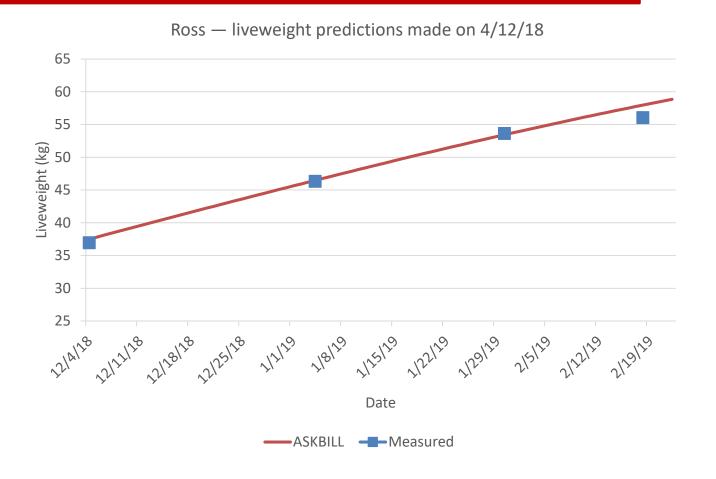
- animal health treatments
- rainfall and irrigation
- soil fertility
- fertiliser applications
- supplementary feed



How accurate was ASKBILL in predicting liveweight?

Project results:

Lead time (days)	Average absolute error (kg)
<25	2.0
25–49	3.0
50–80	4.1

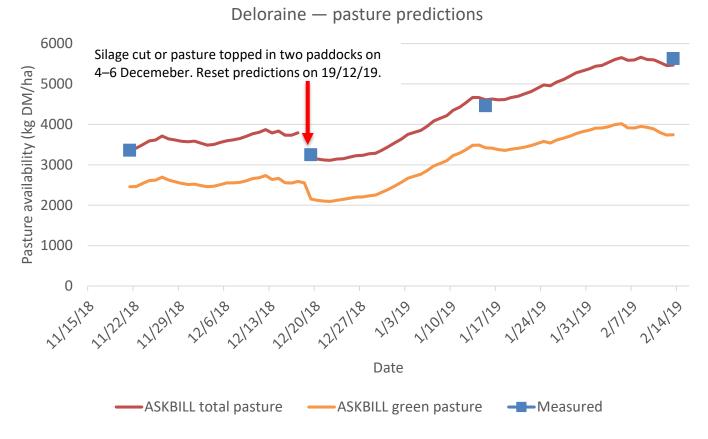




How accurate was ASKBILL in predicting feed availability?

Validation trials:

Average (mean) difference (± SE) = 289 ± 82 kg DM/ha (excess).

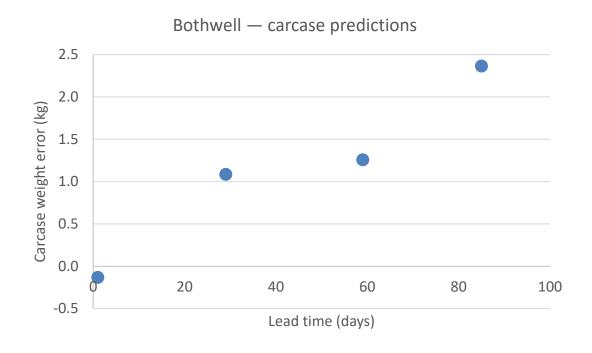




How accurate was ASKBILL in predicting carcase weight?

Project results:

Lead time (days)	Average absolute error (kg)
<25	1.6
25–49	2.4
50–80	3.3



Carcase weight error = predicted HSCW – measured HSCW



Top three take-home messages

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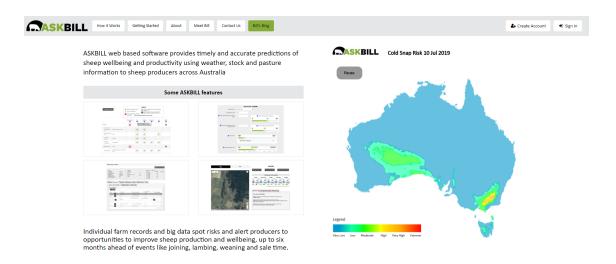
- 1. Prediction of what's coming the best weather data available.
- 2. Not perfect:
 - but will improve current decision making
 - validation data to improve models and predictions.
- 3. Information is 'KING' plan and respond before the impact.



Tools, resources and training

ASKBILL.com.au
Subscription — \$110/year
Seven-day free trial

Online and 1800 number technical support







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