

DAIRY SCIENCE 2007

Meeting the challenges for pasture-based dairying

Developing tools for managing climate risk in the subtropical dairy region

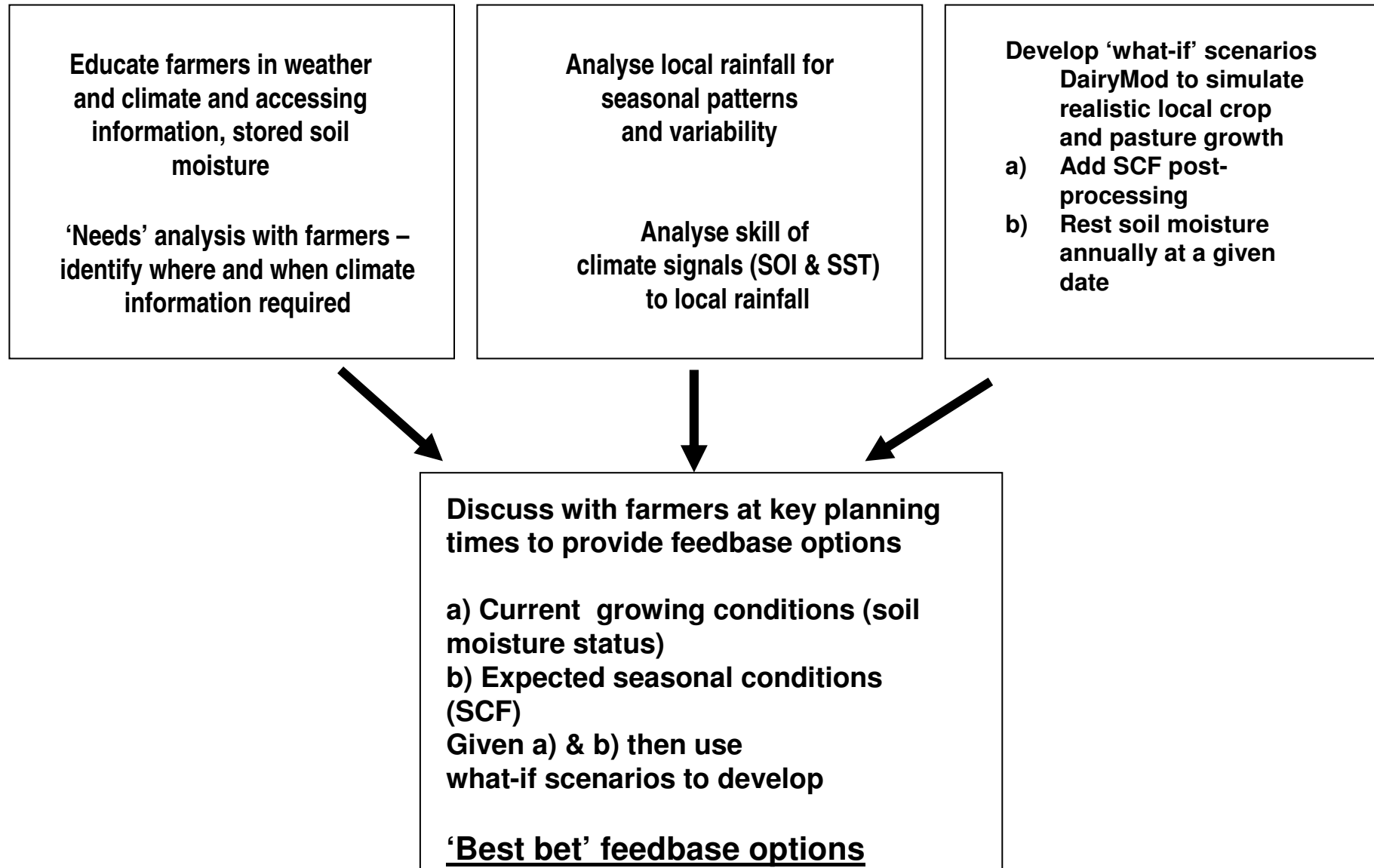
K SINCLAIR¹ RG WALKER² and Z HOCHMAN³

¹ NSW DPI, Wollongbar Agricultural Institute, Australia

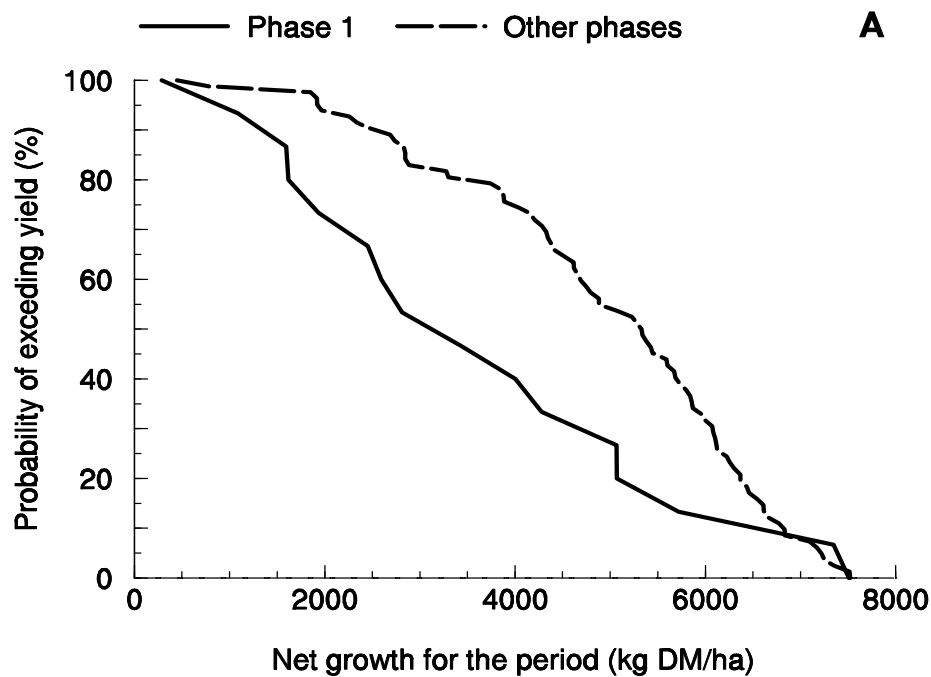
² QLD DPI & F Mutdapilly Research Station, Australia

³ CSIRO/APSRU Brisbane, Australia

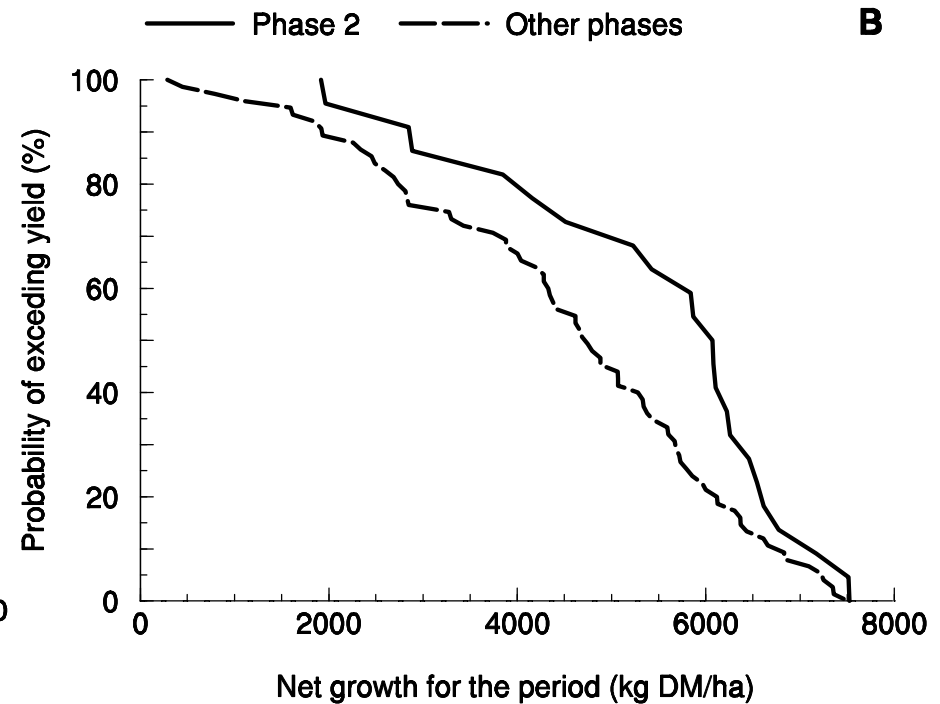
Pathway to using seasonal climate forecasting (SCF) in dairy farmer's decision-making



Rain-grown ryegrass net growth (DM kg/ha) probability distribution for July-September at Kyogle based on a soil profile at 1/3 field capacity at 1 April and July SOI for (A) phase 1 (consistently negative) and (B) phase 2 (consistently positive)



A



B

For a 70% probability, Phase 1 SOI, net gwth =2500 c.f. Other Phases = 4300

For a 70% probability, Phase 2 SOI, net gwth = 5300 c.f. Other Phases 3800

History < 4000 kg DM / ha