

Impacts on livestock production and profitability

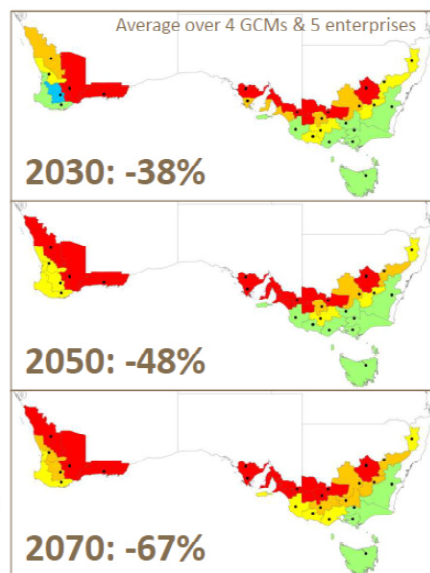
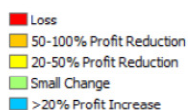
The Figure below shows that potential reductions in livestock production and profitability can be much greater than the reduction in pasture production, under future climates and without adaptation

Reductions in profitability are greater:

- in 2070 than 2030; and
- in drier in-land areas

Impacts: Profitability

- Much greater negative impact on profit than ANPP
 - Sustainable SR reduced
 - Risk as much as average
- Consistently greater relative declines in drier environments
- Beef cows do somewhat better in relative terms
 - but least profitable under 1970-99 climate



The following scatter diagram shows the relationship between rainfall reductions and profitability across numerous locations – in 2030, 2050 and 2070. Note that the slope of the relationship is not 1 to 1 (i.e. not a 10% reduction in rainfall leads to a 10% reduction in profitability)

