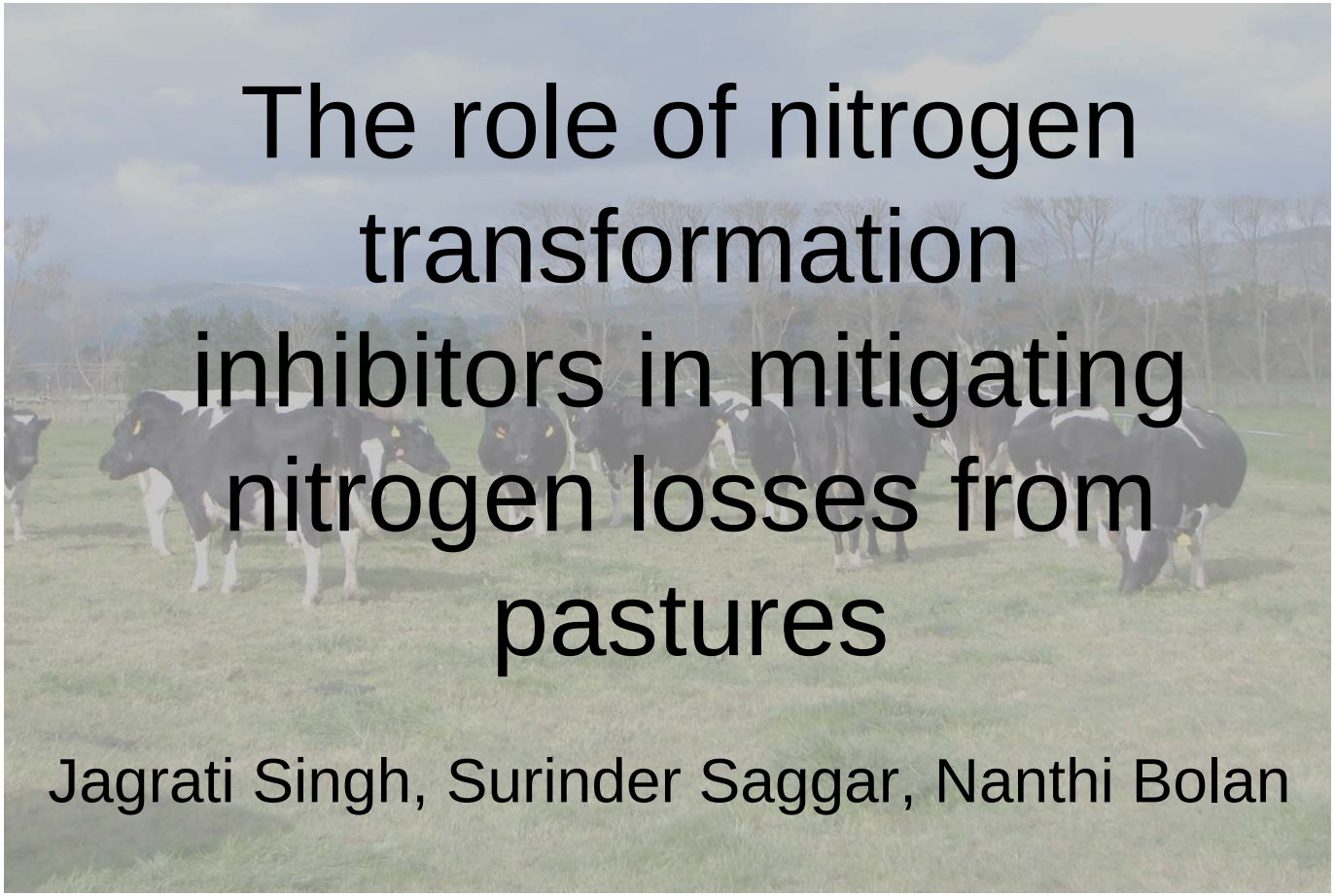
Landcare Research
Manaaki Whenua

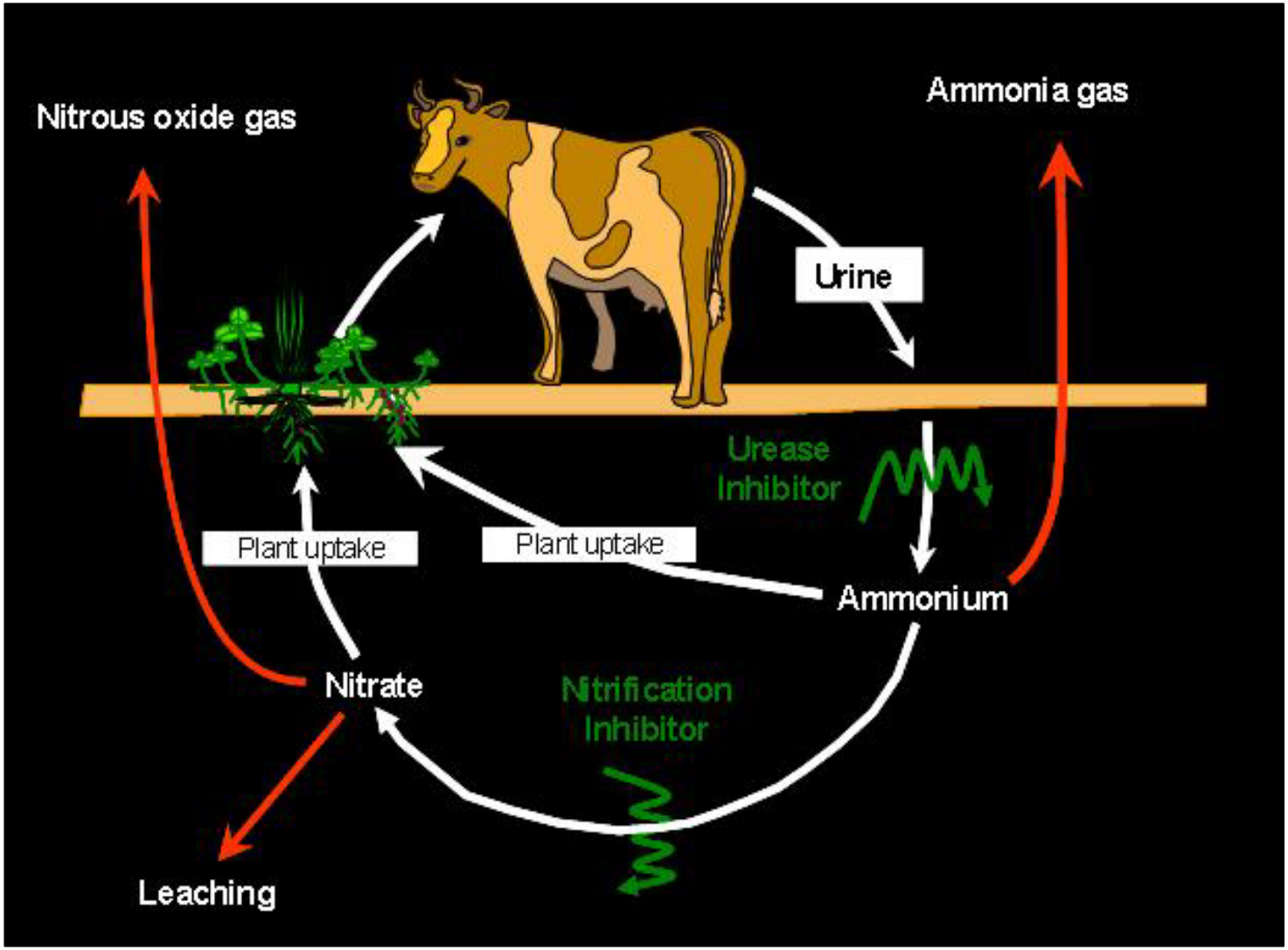
Massey University



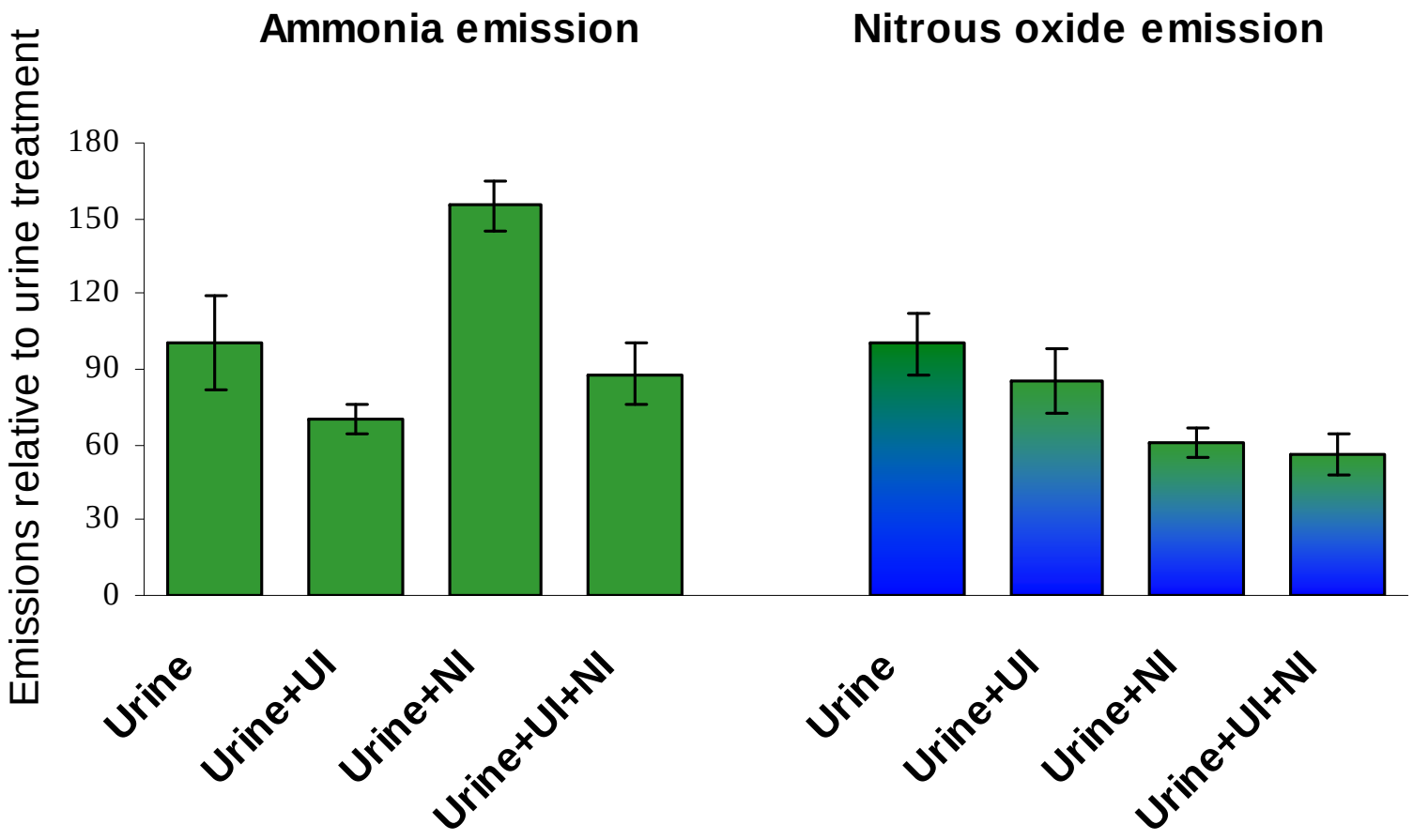
The role of nitrogen transformation inhibitors in mitigating nitrogen losses from pastures

Jagrati Singh, Surinder Saggar, Nanthi Bolan

One of the potential management options to reduce the N losses is to use inhibitors.



Effect of inhibitors on emissions



DCD effectiveness varies with soil type

Soil	DCD (mg/kg soil)	Half-life (days) at 25ºC
Tokomaru soil (silt-loam)	10	10.0 ± 1.2
	20	15.5 ± 1.1
Manawatu soil (sandy loam)	10	9.8 ± 0.8
	20	13.2 ± 0.8
Egmont soil (loam)	10	6.6 ± 0.7
	20	10.7 ± 0.5