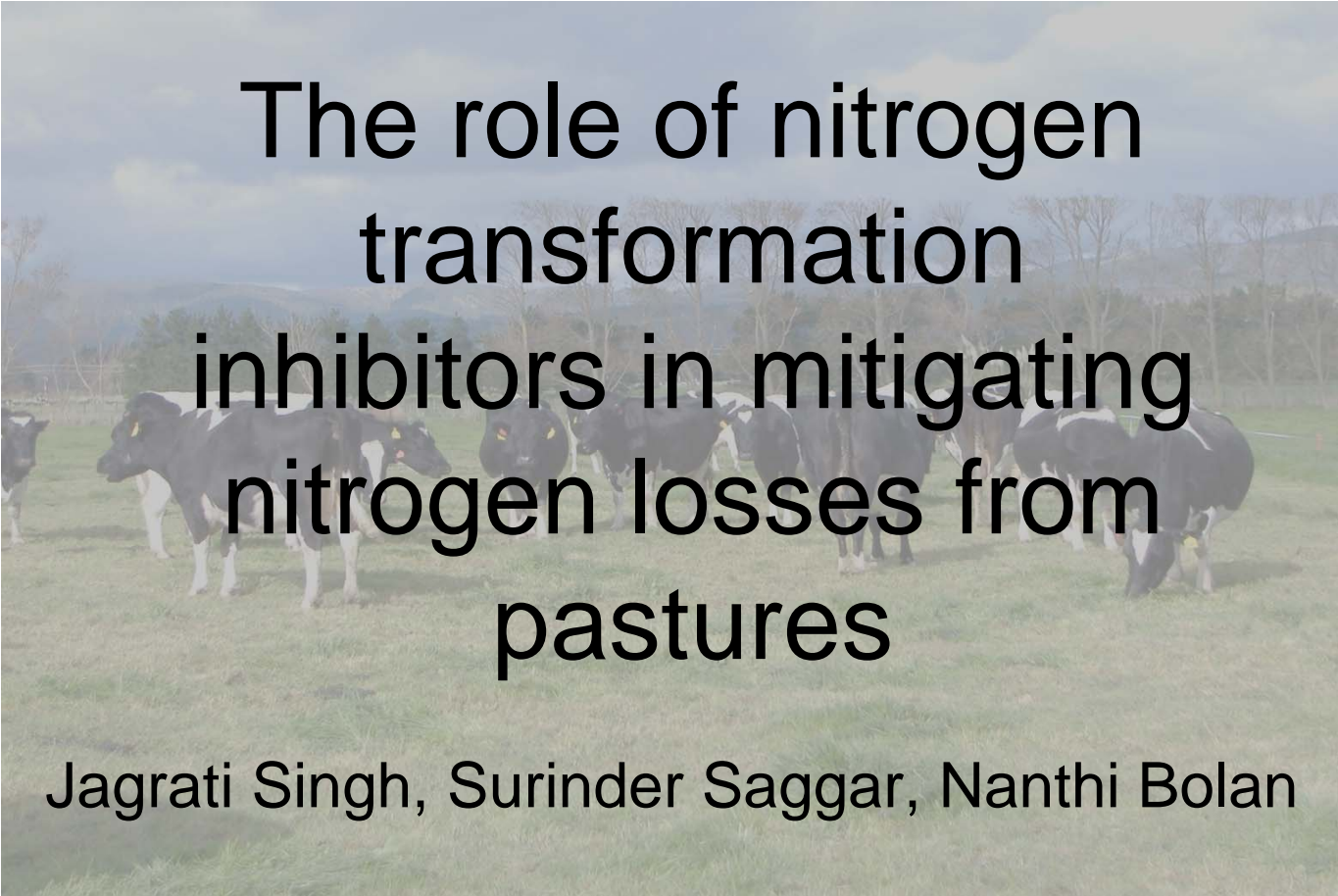




**Landcare Research**  
**Manaaki Whenua**



**Massey University**

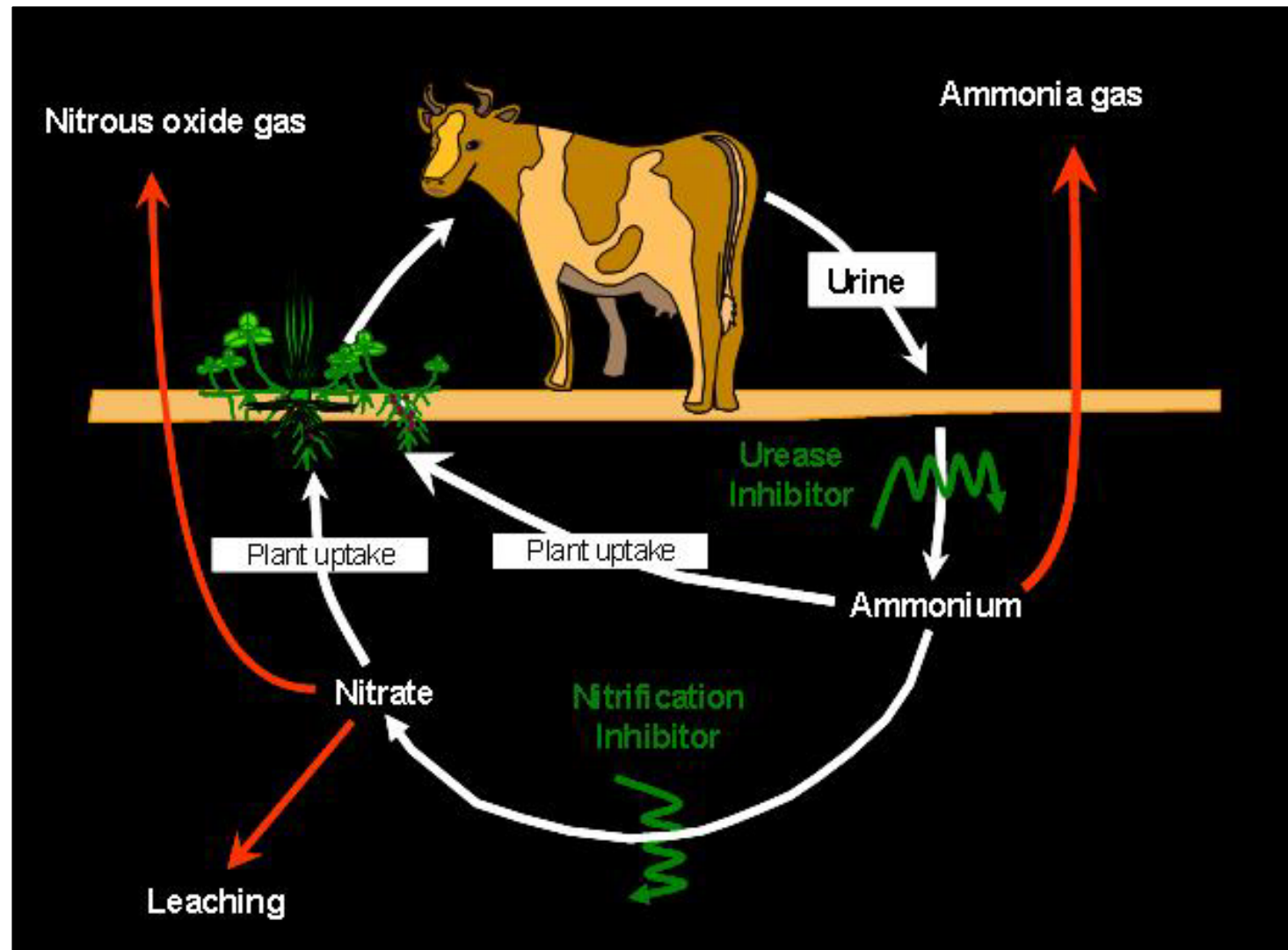
A background image of a cow pasture with several black and white cows grazing in a green field under a cloudy sky. The image is semi-transparent to allow text to be overlaid.

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

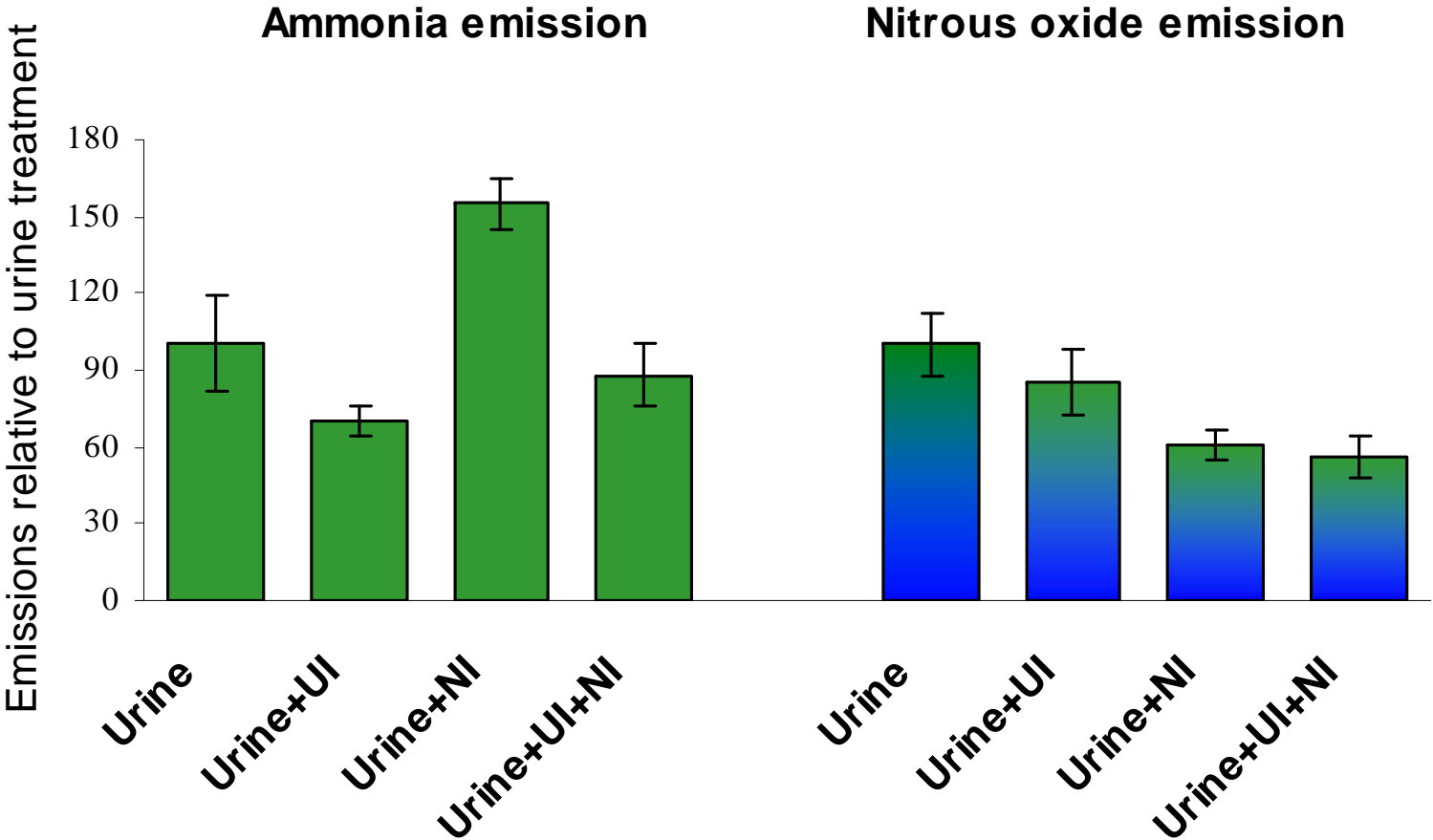
Jagrati Singh, Surinder Sagggar, Nanthi Bolan



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 25°C
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

