

Proposed Mitigation	Target Pollutant	Loss Pathway	Mitigation Measure/BMP	Comments
Soil Management				
Minimize soil erosion	N and P	Runoff	BMP	
Reduce soil compaction	N and P	Runoff	BMP	
Catch cropping	N and P	Runoff/leaching	Mitigation measure	Cropping systems only. Quantifiable in OVERSEER
No winter grazing of forage crops	N and P	Runoff/leaching	-	Based on preliminary research only. Also not likely to be practical
Effluent Management				
Minimize effluent produced	N and P	Runoff/leaching	BMP	
Effluent storage	N and P	Runoff/leaching	BMP	
Effluent application	N and P	Runoff/leaching	BMP	
Stock Nutrient Management				
Nitrification inhibitors	N	Leaching	Mitigation measure	Quantifiable in OVERSEER
Urease inhibitors	N	Leaching	-	Still unproven technology. Is also not a recognised mitigation option in OVERSEER
Reduced stock dietary intake for grazing animals	N and P	Leaching	-	Preliminary research only. Still questions over actual viability and benefits
Nil grazing	N and P	Runoff/leaching	Mitigation measure	Nil grazing (full cut and carry) - not likely to be economically viable.
Restricted grazing	N and P	Runoff/leaching	Mitigation measure	Restricted grazing (i.e. winter feed pads etc) possible - Quantifiable in OVERSEER
Reduced stocking rate	N and P	Runoff/leaching	Mitigation measure	Quantifiable in OVERSEER
Fertiliser Management				
Reduction of P index	P	Runoff/leaching	BMP	
Split N applications	N	Runoff/leaching	BMP	
No fertiliser at high risk times	N and P	Runoff/leaching	BMP	
Use slowly soluble P fertiliser	P	Runoff/leaching	-	Preliminary research only. Still debate over actual benefits
Irrigation Water Management				
Irrigation scheduling	N and P	Runoff/leaching	BMP	
Change to a more efficient irrigation system	N and P	Runoff/leaching	BMP	

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Pond and spray border dyke systems	N and P	Runoff/leaching	-	Not really relevant - most farmers will use spray or convert to spray irrigation
Use wider borders	N and P	Runoff/leaching	-	Not really relevant - most farmers will use spray or convert to spray irrigation
Restrict watering times in border-dykes	N and P	Runoff/leaching	-	Not really relevant - most farmers will use spray or convert to spray irrigation
Runoff Management				
Riparian buffer strips	N and P	Runoff	Mitigation measure	N and P runoff only – will not mitigate nitrate leaching
Fencing waterways from stock	N and P	Runoff	BMP	
Wetlands	N and P	Runoff	Mitigation measure	N and P runoff only - will not mitigate nitrate leaching
Swales	N and P	Runoff	Mitigation measure	N and P runoff only - will not mitigate nitrate leaching
Sediment traps and infiltration basins	N and P	Runoff	Mitigation measure	N and P runoff only - will not mitigate nitrate leaching
Track and cattle track management	N and P	Runoff	Mitigation measure	N and P runoff only - will not mitigate nitrate leaching