Appendix 4: Nutrient Management Plan Template & User Guide 🗌 🗀 🗖



Nutrient Management Plan User Guide

Part A: Property details

This section identifies the property and the people responsible for the nutrient management plan.

- Complete the contact details.
- State the farm areas total, effective (i.e. in production or fallow in preparation for production; exclude non-effective areas such as lanes, buildings, farm shelter belts) and irrigated (if any).
- State the irrigation type(s).
- Tick all of the enterprise types that apply.
- The template provides a sample statement of purpose. You can add to this if you wish.

Part B: Plan objectives, land management units and environmental risk

- Code specific objectives are supplied in the template and must be adopted if they apply. If you choose to reject any of these, attach justification (e.g. a farm map showing that there are no areas of significant vegetation or wildlife habitat).
- There is space for additional 'property management objectives'. Write in any extra objectives the owner or manager chooses to set - e.g. objectives about achieving particular nutrient level targets or objectives about farm practices such as soil testing.
- There is space to identify 'land management units' (LMUs) for the farm i.e. areas of the farm that are under similar management and that will respond to management in similar ways. Consider such things as soil types, slope, management activities (e.g. dryland or irrigated, significantly different crop types, areas receiving dairy effluent) and differences in historical management.
- If all of the farm is managed similarly and responds to that management in similar ways, only one LMU is needed.
- Make a brief note distinguishing each LMU in the table and note the area it covers.
- Mark these on a farm map and attach it to the NMP.
- On a separate piece of paper, make a list of farm nutrient management activities and their possible environmental consequences - e.g. nitrogen fertiliser use might lead to contamination of surface or ground water. For each of these, estimate the likelihood of adverse environmental effects and the consequences of such events. (See Chapter 4, step 3 of the Code for more information about assessing likelihood and consequences.)
- Consider only the inherent risk caused by the activity and do not discount the risks because good management will overcome it. Good management will be highlighted in Part C of the template.
- Note any activities that have medium or higher likelihood of adverse environmental effects and/or medium or higher consequences in the table of environmental risks. Tick the LMUs on which these will occur.
- Add any comments you want to make about the risks identified. For example, you might note industry rules or regional concerns about farm activities.
- Tick the box at the bottom of the page to indicate nutrient management activities that you will address in your planning. Three common activities are already listed - add your own labels for the other boxes if necessary.

You can add any objectives you like, but be aware that management practices should then reflect these and set out steps to achieve them.

Part C: Management guides

- Pages for management planning are provided for nitrogen fertiliser use, phosphate fertiliser use and dairy effluent application. Complete these if they apply for the property.
- Note the types of applicable fertiliser, application rates and locations where they will be spread (LMUs).
- List any specific requirements your industry has about this nutrient use or activity.
- List any specific requirements your Regional Council has about this nutrient use or activity.
 These will include conditions that must be met for the activity to be a 'permitted activity'
 or conditions imposed as part of any resource consent held by the farm for this nutrient
 management activity.
- List the best management practices (BMPs) that the farm will use to reduce environmental risks from this activity.
- There are tables of BMPs in Chapter 5 of the Code. Choose suitable practices from these tables and note them in the NMP.
- It is not necessary to adopt all the possible BMPs for a particular risk or activity but the practices chosen need to be suitable for managing the inherent risks identified for the property.
- For each BMP included, note how the manager will check that these are implemented e.g. diary entry or noted on a farm map.
- Use the management guide pages as a model for further activities if necessary. In each case, check that the activity itself is reasonably explained (e.g. fertiliser types and application rates, LMUs treated), industry or Regional Council rules are stated and best management practices have been listed.

Doing self-assessment

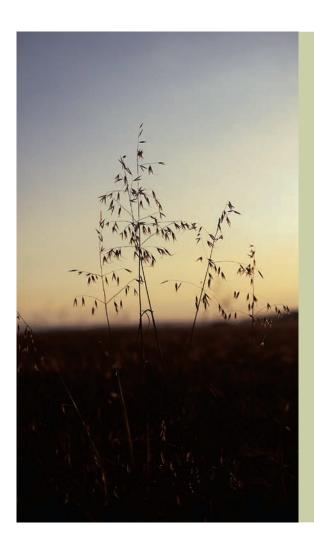
- The property manager needs to complete a self-assessment at the end of the season, checking that the management practices did achieve the objectives set at the beginning.
- For each nutrient management activity included in the management guides, check through the industry and Regional Council requirements and tick 'yes' or 'no' to show whether these were met.
- For each management practice listed at the planning stage, tick 'yes' or 'no' to show whether these were actually practiced.
- Now consider the effects of this nutrient management activity overall. Were the Code specific and property objectives achieved? Tick 'yes', 'no' or 'partially' (if only some objectives were met and/or objectives were barely achieved or the manager was not satisfied with performance).
- If you have ticked 'no' or 'partially' then changes in management practice are required. Note the new management practices that will be used, the person responsible for ensuring these are implemented and a deadline for completion or introduction.
- Write in the actual completion date when each new management practice is adopted.
- The person responsible for the NMP (owner or manager) needs to sign off and date the self-assessment.

Farm map

- Check that there is at least one farm map attached, showing the land management units or other distinctions between management areas.
- Extra farm maps can be added e.g. to show areas receiving particular fertiliser types, to show riparian strips or protected vegetation that are not treated, etc.

Nutrient budgets and soil test results

- Check that there is at least one nutrient budget attached for each land management unit, this is particularly relevant where you identified significant environmental risks from nutrient management activities.
- This nutrient budget should use the planned nutrient inputs and the expected production outputs from the area. If several fertiliser options were considered then the nutrient budget should support the final choice.
- Soil test results are important for establishing initial soil nutrient levels for nutrient budgeting.
- Further soil tests are useful checks on trends in soil fertility over time to compare actual changes with those expected and planned.



The following document is an interactive PDF version of the Nutrient Management Plan Template and User Guide.

This document maybe filled out using your computer and printed, or alternatively printed and filled out by hand.



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Prepared by	
for	
Date	

Part A: Property	details						
Property name:							
Owner:							
Postal address:							
Phone No.				Mobile	No.		
E-mail address:							
Manager:							
Postal address:							
Phone No.				Mobile	No.		
E-mail address:							
Property area (ha)):						
Effective area (ha):						
Area under irrigat	ion (ha):	water				effluent	
Irrigation Type	:	water				effluent	
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Enterprise type: (p				- D (
Dairy	Dairy gra	azıng	Sheep	т веет	D	eer	Cropping
11 16	N				_		0.1
Horticulture	Viticultu	ire	Arable		F	orestry	Other
Purpose of plan							
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Part B: Plan objectives, land management units & environmental risk

Objectives:	

Comply with all legal requirements related to nutrient management activities.

Take all practicable steps to maintain or enhance the quality of the property's water resources.

Take all practicable steps to ensure that there is an adequate supply of soil nutrients to meet plant needs.

To take all practicable steps to contain nutrients within the property boundaries.

Take all practicable steps to minimise the risk of nutrient contamination of any areas of significant vegetation and/or wildlife habitat.

Undertake a nutrient budget.

Property management objectives

Production	
Financial	
Environmental	
Environmental Personal	

Land management units

We have identified the following land management units on this property. (See map described in Code Appendix 4 and Fact Sheet 1: Land Management Units and Land Capability Mapping)

Extra information may be recorded on a seperate page and included with this document

Unit	Description	Approximate area (ha)
А		
В		
С		
D		

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	IIV	поп				13 N.	•

We have identified the following environmental risks for these land management units.

Extra information may be recorded on a seperate page and included with this document

		Inheren	t risk assessm	ent (see Fig.	3)
Activity	Potential risl	c/s* LMU A	LMU B	LMU C	LMU D
Nutrient application of Excess stocking	of surface water ges in soil nutrient stat ation to non-target land f non-nutrient impuriti rate	d	file.		
Pugging and corPoor cultivationOtherComments about sp					
 Poor cultivation Other Comments about sp From the table abor	methods pecific risks identified. ve, we have chosen th		ent activities	as significant	
 Poor cultivation Other Comments about sp From the table abor	methods pecific risks identified.		ent activities	as significant	

Part C: Management guic	les				
Nitrogen fertiliser use					
Fertiliser applications					
Fertiliser type	Rate of application (kg/ha)	LMU whe	re it is ap	plied	
Industry and legal requirement	s 				. [
Specific industry requirements (Contact industry representative for o	details)		Met re Yes		nents No
Specific Regional Council requi (Contact local Regional Council for th			Met re Yes	quiren N	
Management practices We have identified the following Part B of this plan.	management practices to meet	the objecti	/es as set	out ir	า
	ented to achieve our objectives		fication	Chec	
(See Chapter 5 of the Code for examp	oles	m	ethod	Yes	No

Self assessment for	nitrogen fertiliser use			
Did the management	practices achieve the Code o	bjectives and a	ny farm objectiv	es?
Yes	Objectives achieved			
No	Fill out table below			
Partially	Fill out table below			
Changes in manage	ment practices required	Person responsible	Timeframe for completion	Completion date
Verification I verify that the info	rmation supplied above is corr	ect.		
Property owner / ma	nager			
Signature				
Date				

Fertiliser type	Rate of application (kg/ha)	LMU who	ere it is a	pplied	
ndustry and legal require	ements				
Specific industry requirer	ments		Met re	equire	neni
(Contact industry representati	ve for details)		Yes		No
Specific Regional Council	requirements		Met re	equire	nen
(Contact local Regional Counci	l for their requirements)		Yes	ı	No
Management practices					
We have identified the foll	owing management practices to meet	the object	ives as se	t out i	n
We have identified the foll	owing management practices to meet	the object	ives as se	t out i	n
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Phosphate fertiliser use

Self assessment for phosphate fertiliser use			
Did the management practices achieve the Code of	bjectives and a	ny farm objectiv	es?
Yes Objectives achieved No Fill out table below			
Partially Fill out table below			
Changes in management practices required	Person responsible	Timeframe for completion	Completion date
Verification I verify that the information supplied above is corr	rect.		
Property owner / manager			
Signature			
Date			

Oo you apply dairy effluer					
Yes No	- if yes, fill in the following, if no, go to n	ext sect	ion.		
Effluent application					
Rate	LMU (site/location)				
- de ature a ca de la cale ca consta					
ndustry and legal requir					
Specific industry require			Met re	quir	
(Contact industry representat	tive for details)		Yes		No
Specific Pegianal Counci					
Specific Regional Counci	il requirements		Met re	auir	ement
Specific Regional Counci (Contact local Regional Counc	•		Met re Yes	quir	ement No
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(Contact local Regional Counce Ianagement practices /e have identified the fol	cil for their requirements)	objectiv	Yes		No
Contact local Regional Counce Ianagement practices /e have identified the folunt art B of this nutrient man	cil for their requirements) llowing management practices to meet the conagement plan.		Yes es as set	c out	No :
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	for dairy effluent irrigation ent practices achieve the Code of	bjectives and a	ny farm objectiv	es?
Yes	Objectives achieved			
No	Fill out table below			
Partially	Fill out table below			
Changes in man	agement practices required	Person responsible	Timeframe for completion	Completion date
erification verify that the in	nformation supplied above is cor	rect.		
Property owner /	manager			
ignature				
ate				

Fertiliser type	Rate of application (kg/ha)	LMU w	here it is a	pplied	
ndustry and legal requirer	nents				
Specific industry requirem	ents		Met re	quirer	nen
(Contact industry representative	e for details)		Yes	1	No
Specific Regional Council r	requirements		Met re	quirer	nen
(Contact local Regional Council	for their requirements)		Yes	1	No
Management practices					
We have identified the follo	wing management practices to meet	the object	tives as se	t out i	n
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Part B of this plan. Management practices imp	olemented to achieve our objectives		erification	Chec	cklis

Potassium fertiliser use

Self assessment for potassium fertiliser use				
Did the management practices achieve the Code objectives and any farm objectives?				
Yes Objectives achieved				
No Fill out table below				
Partially Fill out table below				
Changes in management practices required	Person responsible	Timeframe for completion	Completion date	
Verification I verify that the information supplied above is	correct.			
Property owner / manager				
Signature				
Date				

Lime use 						
Lime applications	S					
Lime source	Calcium Carbonate content	Rate of application (kg/ha)	LMU w	here it i	is appl	ied
ndustry and lega	l requirements					
Specific industry				Met re	•	nents No
C :C D : 1				11.		
· ·	. Council requirements nal Council for their requir			Met re Yes	-	nents No
Management practive have identified Part B of this plan.	I the following manage	ement practices to meet the (objectiv	es as set	t out i	n
	ctices implemented to e Code for examples	o achieve our objectives		ication thod	Chec	klist No

Self assessment for	r lime use			
Partially Did the management practices achieve the Code objectives and any farm objectives? Objectives achieved Fill out table below Fill out table below				
Changes in manage	ement practices required	Person responsible	Timeframe for completion	Completion date
Verification I verify that the info	rmation supplied above is cori	ect.		
Property owner / ma	nager			
Signature				
Date				

Farm map	

If you are filling this in on your computer, or online slot your farm map in here after printing the completed plan.

If you don't have a farm map discuss this section with your fertiliser advisor or consultant.

A farm map might be an aerial photograph of your land, a topographical farm layout, or another document you have created to show your farm's layout and specific details.

Attach detailed nutrient budgets and soil test results.

Include the most recent nutrient budgets (using the fertiliser applications detailed in the Nutrient Management Plan) and soil tests to support the Nutrient Management Plan. Historic soil test results are also useful to show soil fertility trends over time. Also include effluent area and its location.

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