

NOIC Farm Plan Individual Property Audit

Farmer details

Farm name:

Farm owner: I.....

Person interviewed: Position: Owner

Date of audit 16/03/2007

Farm details

Effective Area of property (ha) 820 Irrigation area (ha) 530 (shares) 700 (actual)

Land use (irrigated area) Cropping, sheep and cattle fattening

Audit Conclusion:

Areas of good performance

The following areas of good performance were identified:

Policy area	Areas of good performance
Irrigation management	<p>Full compliance with listed management policies</p> <p>Handheld soil moisture probe used 2-3 times per week to assess soil moisture status and assist with irrigation scheduling. A network of 11 Aquaflex soil moisture recorders are currently being installed on the property.</p> <p>Leaks and breakages recorded in farm diary.</p> <p>Application rates matched to pasture and crop type.</p>
Soil management	<p>Full compliance with listed management policies</p> <p>Use of cross slot drill and minimum tillage techniques to minimise the wind erosion risks.</p> <p>Cropping stubble incorporated into the soil to enhance soil structure.</p> <p>Cattle moved to dryland parts of the property to avoid soil compaction if wetness becomes an issue on irrigated areas.</p>
Nutrient management	<p>Partial compliance with listed management policies</p> <p>Regular soil testing and foliar analysis is undertaken and nutrient budget prepared.</p> <p>Nitrogen applied at rates appropriate for stage of crop growth.</p>
Riparian management	<p>The Awamoko Stream runs through the property. This is outside of the irrigated area. It has been fenced on one side.</p>

Areas of further improvement

The following areas where further improvement is recommended were identified

Policy area	Areas of recommended action
<i>Irrigation management</i>	Further development of the irrigation scheduling approaches used on the property.
<i>Soil management</i>	No areas of recommended action were identified
<i>Nutrient management</i>	<p>Non compliance with the following listed management policies</p> <ul style="list-style-type: none"> Nitrogen use – apply split dressings of no more than <u>30</u> units N per application - do not apply just prior to irrigation <p>Note: The listed nitrogen limit is appropriate for a pastoral operation but is not appropriate for a cropping operation.</p> <p>Closer linking of soil test and nutrient budget information to better assess fertiliser requirements.</p> <p>Recording of fertiliser use by paddock and crop.</p>
<i>Riparian management</i>	<p>Non compliance with the following listed management policies</p> <ul style="list-style-type: none"> Exclude all deer and cattle from waterways. <p>Stream fenced one side only. Although this is outside of the irrigation area and therefore not a requirement of NOIC, the exclusion of cattle from the waterway is recommended.</p> <p>Note: No deer are carried on the property.</p>

<i>NOIC requirements</i>	Yes	No	Partly	Comment
<p><i>Full compliance with the conditions relating to the supply of water. That is all practicable steps are taken to ensure:</i></p> <ul style="list-style-type: none"> Volume of water applied does not exceed that required to reach field capacity 	✓			Good systems are in place and these are to be further refined with time.
<ul style="list-style-type: none"> The irrigation shall not cause surface runoff 	✓			Good systems are in place and these are to be further refined with time.
<ul style="list-style-type: none"> Avoids leaks from pipes and structures 	✓			Leaks and breakages recorded and remedied
<ul style="list-style-type: none"> Avoids the use of water onto non targeted areas. 	✓			This is unlikely to be an issue on this property.
<ul style="list-style-type: none"> Irrigation induced erosion and pugging does not occur 	✓			Induced erosion and pugging is unlikely to be a problem on this property
<ul style="list-style-type: none"> Soil quality is not degraded as a result of irrigation 	✓			Soil quality degradation risk has been addressed through the best practices implemented.
<ul style="list-style-type: none"> loss of nutrients and agrichemicals is minimised 	✓			The nutrient budget indicates low nutrient losses
<p><i>Have all NOIC requirements relating to nutrient management been met</i></p> <ul style="list-style-type: none"> Nutrient budget prepared 	✓			Budget prepared 5/03/07
<p><i>Have all NOIC requirements relating to riparian management been met</i></p> <ul style="list-style-type: none"> Riparian plan submitted to NOIC for approval 		✓		Fencing not yet undertaken

Having reviewed the farm plan update of the following sections of the plan are recommended.

Section	Yes	No	N/A
Monitoring of progress		•	
Irrigation management		•	
Soils management	•		
Nutrient management	•		
Riparian management	•		
Dairy effluent management			•

Signed off..... **(Farm Plan Auditor)**

Date:

Signed off:..... **(NOIC Chairperson)**

Date: