

91297



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# Level 2 Agricultural and Horticultural Science, 2017 91297 Demonstrate understanding of land use for primary production in New Zealand

9.30 a.m. Wednesday 29 November 2017 Credits: Four

Achievement	Achievement with Merit	Achievement with Excellence
Demonstrate understanding of land use for primary production in New Zealand.	Demonstrate in-depth understanding of land use for primary production in New Zealand.	Demonstrate comprehensive understanding of land use for primary production in New Zealand.

Check that the National Student Number (NSN) on your admission slip is the same as the number at the top of this page.

### You should attempt ALL the questions in this booklet.

If you need more room for any answer, use the extra space provided at the back of this booklet.

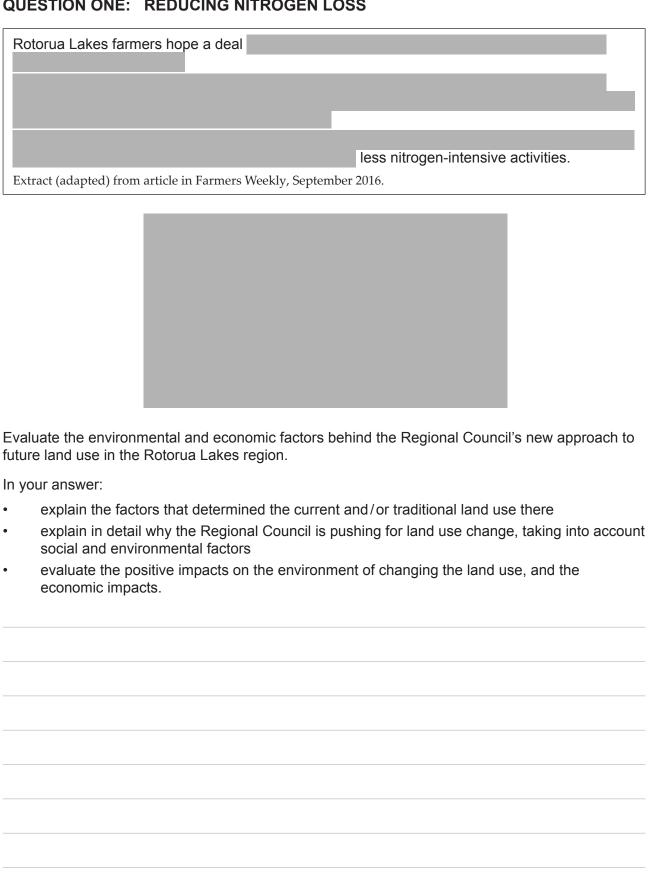
Check that this booklet has pages 2–11 in the correct order and that none of these pages is blank.

YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

TOTAL

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### QUESTION ONE: REDUCING NITROGEN LOSS



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## QUESTION TWO: DAIRY CONVERSIONS

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<b>~</b>					
Cante	rbury has seen a big shift away from traditional land use towards dairying.				
(a)	Explain, in detail, TWO factors that were behind the drive for dairy conversions in Canterbury. Factors could be economic, environmental, technological, social, political, or workforce.				

 	in (a) in deciding whether or not to	
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## QUESTION THREE: PIGGERIES AND VITICULTURE

fami Extra	illy member Yvonne Wratt said.  act (adapted) from article on Stuff website, December, announcing plans for the closure in 2016.
(a)	Explain, in detail, TWO factors that could have determined the land's use as a piggery from the 1950s until 2016.

In your answer, compare	and contrast urbanisation with viticulture, considering TWO of	the
ollowing factors: econom	nic, environmental, technological, social, political, and workforc	e.

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QUESTION NUMBER							

# Acknowledgements

Material from the following sources has been adapted for use in this examination.

Page	Sources
2	(text) https://farmersweekly.co.nz/topic/environment/pollution-and-emissions/first-deal-struck-to-cut-nitrogen
	(photo) http://sunlive.co.nz/news/33652-tide-turning-lake-rotorua.html
4	(photo) http://www.teara.govt.nz/en/photograph/46366/dairy-cows-amuri-plain
6	(text) http://www.stuff.co.nz/business/farming/75367982/Grape-growth-and-creeping-urbanisation-spell-end-for-family-owned-Marlborough-piggery
	(photo) http://www.stuff.co.nz/the-press/business/69847691/national-pig-herd-slumps-as-proportion-of-imported-product-grows