

Qualification details for further consultation

Title		New Zealand Certificate in Agrichemical Application with strands in Aerial Application, Aquatic Broadacre, Horticulture, Livestock External Parasites, Targeted Pest Control, and Total Vegetation Control	
Version	1	Qualification type	Certificate
Level	4	Credits	70 tbc
Strategic purpose statement		<p>The purpose of this qualification is to provide the industry with individuals who have the commercial competency to safely, responsibly and effectively use agrichemicals.</p> <p>These people are able to understand and follow job instructions, and can work with limited or no supervision.</p>	
Outcome Statement	Graduate profile	<p>Graduates of this qualification will be able to:</p> <ul style="list-style-type: none"> - Have an understanding of the types and application of agrichemicals - Apply health, safety, and environmental principles in agrichemical application operations - Undertake an agrichemical application operation <p>Graduates of the Aerial Application strand will be able to:</p> <ul style="list-style-type: none"> - manage loading site operations - use appropriate agrichemicals for the job - safely and accurately use approved equipment and machinery to apply agrichemicals by aircraft <p>Graduates of the Aquatic strand will be able to:</p> <ul style="list-style-type: none"> - use approved agrichemicals for aquatic pest control - safely and accurately use approved equipment and machinery for aquatic pest control <p>Graduates of the Broadacre strand will be able to:</p> <ul style="list-style-type: none"> - have a basic understanding of crops and pests - use appropriate agrichemicals for broadacre pest control - safely and accurately use approved equipment and machinery for broadacre pest control <p>Graduates of the Horticulture strand will be able to:</p> <ul style="list-style-type: none"> - use appropriate agrichemicals for horticulture pest control 	

		<p>- safely and accurately use approved equipment and machinery for horticulture pest control</p> <p>Graduates of the Livestock External Parasite strand will be able to:</p> <ul style="list-style-type: none"> - use appropriate agrichemicals for livestock external parasites - safely and accurately use approved equipment and machinery for livestock external parasites - handle livestock <p>Graduates of the Targeted Pest Control strand will be able to:</p> <ul style="list-style-type: none"> - use appropriate agrichemicals for targeted pest control - safely and accurately use approved equipment and machinery for targeted pest control <p>Graduates of the Total Vegetation Control strand will be able to:</p> <ul style="list-style-type: none"> - use appropriate agrichemicals for total vegetation control - safely and accurately use approved equipment and machinery for total vegetation control
	Education pathway	<p>Although this is a stand-alone qualification; it is recommended that candidates complete basic/introductory applicator training prior to commencing this qualification.</p> <p>Graduates of this qualification with the Aviation Strand, may wish to progress on to the New Zealand Diploma in Aviation (Aeroplane and Helicopter) with strands in Agriculture, and General Aviation.</p>
	Employment pathway	<p>Graduates of this qualification will likely be employed as agrichemical applicators (sprayers) in the following contexts:</p> <p>Aerial Application, Aquatic Broadacre, Horticulture, Livestock External Parasites, Targeted Pest Control, and Total Vegetation Control</p>

Qualification conditions

Overarching conditions relating to the qualification

Conditions for programme structure	None
Conditions for programme context	<p>The following legislation, regulations, rules, and Australia/New Zealand standards are relevant to this qualification. TEOs offering programmes leading to this qualification must maintain currency with amendments to, and replacements of these.</p> <p>These include:</p> <ul style="list-style-type: none"> • NZS8409 (2004) • Hazardous Substances and New Organisms Act 1996 (HSNO)

	<p>Act)</p> <ul style="list-style-type: none"> • Agricultural Compounds and Veterinary Medicines (ACVM) Act 1997 and Regulations • Resource Management Act 1991 (RMA), and associated regional plans • Health and Safety in Employment Amendment Act 2002 <p>In addition, for Aerial Application:</p> <ul style="list-style-type: none"> • Civil Aviation Authority regulations <p>Note for programme developers:</p> <p>Included below are mandatory conditions which have been agreed by industry to reflect best practice and must be included in the programme.</p> <p>For more detailed guidelines for programme development (including unit standards), contact the qualification developer at: qualifications@connexis.org.nz</p>
Other conditions	<p>Risk management applies across all outcomes.</p> <p>NZS 8409 (2004) applies across all outcomes.</p> <p>Traffic management for the level of roads as well as licence endorsements must be attained where appropriate.</p>

Specific conditions relating to the graduate profile

Qualification outcomes		Indicative Credits	Conditions	Mandatory or Optional
		TBC – these will be finalised in Stage 2	<p><i>NOTE: Details below are <u>not</u> a requirement for concept stage – this will be further developed in Stage 2 (development stage). We have, however, included draft details in the core section to clarify some of the graduate outcomes at this stage.</i></p>	
1	Have an understanding of the types and application of agrichemicals	7	<p>Must include:</p> <ul style="list-style-type: none"> - Types of agrichemicals and their applications - Legislation, regulations and requirements <p>May include:</p> <ul style="list-style-type: none"> - Basic understanding of crops and pests 	M
2	Apply health, safety, and environmental principles in agrichemical application operations	8	<p>Must include:</p> <ul style="list-style-type: none"> - Risk management - Health, safety, and environment legislation and regulations (RMA, HSNO, HSE Act) - Emergency 	M

			<ul style="list-style-type: none"> management - Protective measures – including correct PPE, hydration 	
3	Undertake an agrichemical application operation	30	<p>Must include:</p> <ul style="list-style-type: none"> - Planning - Calculations - Equipment - Transport - Communications (including records) - Spraying (application) - Storage - Disposal (decontamination) 	M
4	Aerial Application Strand	25		
4a	Manage loading site operations			M
4b	Use appropriate agrichemicals for the job			M
4c	Safely and accurately use approved equipment and machinery to apply agrichemicals by aircraft			M
5	Aquatic Strand	25		
5a	Use approved agrichemicals for aquatic pest control			M
5b	Safely and accurately use approved equipment and machinery for aquatic pest control			M
6	Broadacre Strand	25		
6a	Have a basic understanding of crops and pests			M
6b	Use appropriate agrichemicals for broadacre pest control			M
6c	Safely and accurately use approved equipment and machinery for broadacre pest			M

	control			
7	Horticulture Strand	25		
7a	Use appropriate agrichemicals for horticulture pest control			M
7b	Safely and accurately use approved equipment and machinery for horticulture pest control			M
8	Livestock External Parasites	25		
8a	Use appropriate agrichemicals for livestock external parasites			M
8b	Safely and accurately use approved equipment and machinery for livestock external parasites			M
8c	Handle livestock			M
9	Targeted Pest Control	25		
9a	Use appropriate agrichemicals for targeted pest control			M
9b	Safely and accurately use approved equipment and machinery for targeted pest control			M
10	Total Vegetation Control	25		
10a	Use appropriate agrichemicals for total vegetation control			M
10b	Safely and accurately use approved equipment and machinery for total vegetation control			M

Transition information

Replacement information	National Certificate in Agrichemical Application Level 3/4 [Ref: 0229] National Certificate in Aerial Agrichemical Application Level 4 [Ref: 1194]
People currently working towards the replaced qualification may either complete the requirements for that qualification by 31 December 2017 or transfer to this qualification. The last date for entry into programmes leading to the above qualification is 31 December 2015.	