

## Matrix - New and possible Achievement Standards able to be used to assess an Agribusiness programme of learning

### Level 2

STRANDS			
<b>Innovation</b> <i>L7 - Explore the impact of influences on agribusinesses to meet present and future needs, viability, and protection of the environment.</i>	<b>Science and Technology</b> <i>L7 - Explore how scientific principles, concepts and knowledge are applied in agribusinesses to ensure present and future primary production.</i>	<b>Management and Finance</b> <i>L7 - Explore the decision-making by agribusinesses in producing &amp; selling a primary product &amp;/or secondary products &amp; services linked to the primary sector &amp; the way they interact in specific sectors &amp; markets.</i>	<b>Marketing</b> <i>L7 - Explore decisions in agribusinesses that allow producers to enhance and sustain local and/or global primary production and enterprise.</i>
2.1 Demonstrate understanding of future proofing influences that affect business viability (I, 4)	2.2 Conduct an inquiry into the use of organisms to meet future needs (I, 4)	2.3 Demonstrate understanding of a primary industry business structure that meets the strategic needs of a business (I, 3)	
	AS91294 Agricultural and Horticultural Science <b>2.6</b> Demonstrate understanding of how NZ commercial management practices influence livestock growth and development (E, 4)	2.4 Demonstrate understanding of cash flow forecasting for a business (I, 4)	AS90845 Business Studies 2.3 Apply business knowledge to a critical problem(s) in a given large business context (E, 4)
AS90844 Business Studies <b>2.2</b> Demonstrate understanding of how a large business responds to external factors. (E,4)	AS91163 Chemistry <b>2.3</b> Demonstrate understanding of the chemistry used in the development of a current technology. (I,3)	AS91481 Accounting <b>2.5</b> Demonstrate understanding of a contemporary accounting issue for decision making. (I,4)	AS90846 Business Studies <b>2.4</b> Conduct market research for a new or existing product. (I,3)
AS90811 Education for Sustainability <b>2.2</b> Explain how human activity in a biophysical environment has consequences for a sustainable future. (I,4)	AS91292 Ag and Hort Science <b>2.4</b> Demonstrate understanding of how management practices influence plant growth and development in NZ commercial production. (I,4)		
AS91362 Generic Technology <b>2.9</b> Demonstrate understanding of the nature of technological outcomes. (I,4)	AS91295 Ag and Hort Science <b>2.7</b> Demonstrate understanding of interactions between livestock behaviour & NZ commercial management practices (I,4)		
	AS91189 Earth & Space Science <b>2.3</b> Investigate geological processes in a New Zealand locality. (I,4)		
	AS91298 Agricultural and Horticultural Science <b>2.10</b> Report on the environmental impact of the production of a locally produced primary product (I, 4)		

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### Level 3

STRANDS			
<b>Innovation</b> <i>L8 - Critically examine innovative solutions and strategies for future proofing agribusinesses to face current and/or future issues.</i>	<b>Science and Technology</b> <i>L8 - Critically examine how scientific principles, concepts and knowledge in agribusinesses are used to meet consumer and producer needs, resolve their issues and develop new technological advances.</i>	<b>Management and Finance</b> <i>L8 - Critically examine the operational and strategic decisions in agribusinesses and how they impact on the future direction of production and society.</i>	<b>Marketing</b> <i>L8 - Critically examine how agribusinesses capitalise on the opportunities to grow the value of their products globally.</i>
3.1 Analyse future proofing strategies to ensure long term viability of a business (I, 4)	91532 Agricultural and Horticultural Science 3.5 Analyse a New Zealand primary production environmental issue (E, 5)	3.2 Analyse the effect of a strategic capital expenditure decision on a business (I, 4)	AS91380 Business Studies <b>3.2</b> Demonstrate understanding of strategic response to external factors by a business that operates in a global context (E, 4)
		3.3 Analyse how a product meets market needs through innovation in the value chain (I, 4)	AS91381 Business Studies <b>3.3</b> Apply business knowledge to address a complex problem(s) in a given global business context (E, 4)
AS91411 Earth and Space Science <b>3.2</b> Investigate a socio-scientific issue in an Earth and Space Science context. (I,4)	AS91389 Chemistry <b>3.3</b> Demonstrate understanding of chemical processes in the world around us. (I,3)	AS91530 Ag and Hort Science <b>3.3</b> Demonstrate understanding of how market forces affect supply of and demand for NZ primary products. (E,5)	AS91428 Geography <b>3.3</b> Analyse a significant contemporary event from a geographic perspective. (I,3)
AS91735 Education for Sustainability <b>3.2</b> Evaluate measures that may be taken to sustain &/or improve a biophysical environment (I,4)	AS91411 Earth and Space Science <b>3.2</b> Investigate a socio-scientific issue in an Earth and Space Science context (I,4)		AS91382 Business Studies <b>3.4</b> Develop a marketing plan for a new or existing product. (I,6)
AS91615 Generic Technology <b>3.8</b> Demonstrate understanding of consequences, responsibilities and challenges involved in technology. (I,4)	AS91735 Education for Sustainability <b>3.2</b> Evaluate measures that may be taken to sustain and/or improve a biophysical environment (I, 4)		AS91384 Business Studies <b>3.6</b> Carry out, with consultation, an innovative and sustainable business activity. (I,9)