**Primary Industry Distance Learning**



**Are you interested in Agriculture and/or Horticulture?**

If you are interested in working in any Primary Industry, Te Aho o Te Kura Pounamu can offer the opportunity to get a head start in your career. Agricultural unit standards from our specialist providers are available to work on at home. Students may begin these booklet based studies at any time of the year.

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|  | **Level 1-2** |  |  |
| **Unit Standard** | **Description** | **Credit Value** | **Category** |
| 19139v3 | Gather and record information from a rain gauge, thermometer, and barometer; or weather station (L1) | 2 | Ag General |
| 19116v4 | Demonstrate knowledge of livestock behaviour and animal welfare | 3 | Ag General |
| 24542v2 | Describe the impact of an agriculture system on soils | 3 | Ag General |
| 22174v2 | Demonstrate knowledge of soils and fertilisers | 5 | Ag General |
| 19138v3 | Describe weather, climate and micro-climate characteristics, and interpret weather maps for a primary industry operation | 4 | Ag General |
| 18191v4 | Demonstrate knowledge of safe handling and health problems of dairy cattle, associated with milking | 3 | Dairy |
| 18192v4 | Demonstrate knowledge of how cows produce milk | 2 | Dairy |
| 18193v4 | Describe farm dairy design, and the farm dairy effluent system | 2 | Dairy |
| 19081v4 | Describe annual feed supply and demand, methods to manage feed surpluses and deficits, and perform calculations | 4 | Cattle |
| 24623v2 | Demonstrate knowledge of breeds and classes of cattle, and identification and records for cattle | 2 | Cattle |
| 19147v3 | Describe the activities and identify hazards in a wool shed during shearing from a farm perspective | 2 | Sheep |
| 24641v1 | Demonstrate knowledge of features, attributes, identification, and records for sheep | 2 | Sheep |
| 30791v1 | Demonstrate understanding of honeybee physical features, castes, bee stings and beehive health | 5 | Apiculture |
| 30796v1 | Demonstrate understanding of the process, role and significance of plant pollination by bees | 3 | Apiculture |
| 816v6 | Demonstrate knowledge of plant production in New Zealand | 5 | Horticulture |
| 829v5 | Demonstrate knowledge of plant nomenclature | 5 | Horticulture |
| 25158v2 | Demonstrate knowledge of the vegetable production industry in New Zealand | 5 | Horticulture |
| 29499v2 | Identify a range of plants by botanical & common name, and their basic features | 2 | Horticulture |
| 27213v2 | Identify & interpret agrichemical product information and demonstrate knowledge of safety with agrichemicals | 5 | Ag-chem & Pest control |
|  | **Level 3** |  |  |
| **Unit Standard** | **Description** | **Credit Value** | **Category** |
| 19103v2 | Demonstrate knowledge of methods for promoting on-farm livestock health and health problems of livestock | 8 | Ag General |
| 22175v3 | Describe soil properties and their effect on plant growth | 6 | Ag General |
| 19140v3 | Describe water use and quality, and related land use issues in primary production | 5 | Ag General |
| 18v6 | Demonstrate knowledge of animal anatomy and physiology | 4 | Ag General |
| 28971v2 | Describe livestock reproductive processes and practices | 5 | Ag General |
| 28974v2 | Describe livestock selection for increased productivity | 4 | Ag General |
| 10087v4 | Describe and plan plantings for insect and bird retention for a given situation | 5 | Ag General |
| 10082v3 | Demonstrate knowledge of rearing weaner or replacement cattle | 4 | Cattle |
| 19075v2 | Demonstrate knowledge of calving, and associated diseases and health disorders | 3 | Cattle |
| 24624v1 | Demonstrate knowledge of cattle genetics and selection | 5 | Cattle |
| 19149v3 | Describe lambing, and the procedures for assisting ewes having difficulty lambing | 4 | Sheep |
| 571v5 | Describe wool production in New Zealand | 5 | Sheep |
| 15609v4 | Demonstrate knowledge of sheep milk production | 4 | Sheep |
| 19157v2 | Demonstrate knowledge of sheep genetics, and ram selection | 5 | Sheep |
| 30798v2 | Demonstrate understanding of bees, the bee lifecycle and the adult bee behaviour patterns | 4 | Apiculture |
| 21031v5 | Identify annuals, herbaceous perennials, biennials, and bulbs used in amenity horticulture | 5 | Horticulture |
| 771v5 | Demonstrate knowledge of the production horticulture industry in New Zealand | 5 | Horticulture |
| 24648v3 | Describe the physical characteristics, and range of, woody stemmed plants and their use | 10 | Horticulture |
| 27210v2 | Identify and describe weeds, and methods of prevention and control | 6 | Horticulture |
| 29829v2 | Demonstrate knowledge of plant structure, functions and processes | 4 | Horticulture |
| 19111v2 | Demonstrate knowledge of the types, breeds, uses, and health requirements of farm dogs | 4 | Farm Dogs |

If you any questions about these Unit Standards or you would like to enrol please contact [ces.lowe@tekura.school.nz](mailto:ces.lowe@tekura.school.nz)