ASSESSMENT GUIDELINES

Unit 828

Monitor level of pest and beneficial organisms in fruit crops and act at preset threshold levels

Level 4, Credit 3, version 4

Monitor levels of pest and beneficial organisms in fruit crops and act at preset threshold levels

Unit standard 828
Level 4, Credit 3, Version 4

Level of performance required for this unit standard

This is a level 4 unit standard. At this level trainees are expected to demonstrate the following abilities when completing assessment tasks:

- To work under broad guidance, independently; with complete responsibility for the standards of the outcome achieved.
- To apply technical skills, knowledge, and innovation to complete the task to the specified standard, in a variety of familiar and unfamiliar contexts.
- To analyse and interpret information, and make an informed judgment.

Workplace assessment:

For guidelines on Workplace Assessment, please refer to the NZHITO Workplace Assessors Manual, and for further information, please contact:

NZHITO, PO Box 8638, Christchurch. Ph 03 9644 735, fax 03 9644 737, website www.hortito.org.nz

Special notes:

1. "Orchard practice" means work practice guidelines which meet the requirements of the Health and Safety in Employment Act 1992, other regulatory requirements and their subsequent amendments.
2. "A specific fruit crop" is one kind of commercial fruit crop. For example, apples, pears, kiwifruit, oranges, avocados.

Unit 828: Monitor levels of pest and beneficial organisms in fruit crops and act at preset threshold levels (Apprentice copy)

ELEMENT	Competent	Range of evidence an assessor should consider
Element 1 Recognise named pests, diseases and beneficial predatory or parasitic organisms for a specific fruit crop.	**Yes/No**	▪ Recognise at different stages of their life cycle, six pests that could affect a specific fruit crop and three beneficial organisms that could predate or parasitise the pests. ▪ Recognise signs or symptoms of six diseases of a specific fruit crop and name the disease at different stages of its life cycle.
Element 2 Monitor organism numbers.	**Yes/No**	▪ Count disease signs or symptoms on random plants and report when numbers reach stated threshold level. ▪ Monitor pheromone traps and clean according to orchard practice, and when a threshold number of specific insects are caught, report and record according to orchard procedure. ▪ Examine random samples or leaves, count specific species of pest and predator or parasite, and, as required by orchard practice, when specific pest numbers are reached or the pest- to- predator, or – parasite ratio slips beyond a stated point, report that fact.
Element 3 Select agrichemicals to rectify an imbalance in the pest- to- predator or- parasite ratio.	**Yes/No**	▪ Recognise agrichemicals injurious to named beneficial insects and suggest alternatives that are non injurious to those insects. ▪ Suggest agrichemicals, application rates, timing and withholding periods to redress the balance between pests and parasites or predators, or to reduce any potential disease problem.

_____*(Name of Apprentice)*

is **Competent / Not yet competent** in Unit Standard 828 (version 4)

Signed (Assessor): _____

WPA Registration Number: _____ Date: _____

Unit 828: Monitor levels of pest and beneficial organisms in fruit crops and act at preset threshold levels (Assessor copy)

ELEMENT	Competent	Range of evidence an assessor should consider
Element 1 Recognise named pests, diseases and beneficial predatory or parasitic organisms for a specific fruit crop.	**Yes/No**	▪ Recognise at different stages of their life cycle, six pests that could affect a specific fruit crop and three beneficial organisms that could predate or parasitise the pests. ▪ Recognise signs or symptoms of six diseases of a specific fruit crop and name the disease at different stages of its life cycle.
Element 2 Monitor organism numbers.	**Yes/No**	▪ Count disease signs or symptoms on random plants and report when numbers reach stated threshold level. ▪ Monitor pheromone traps and clean according to orchard practice, and when a threshold number of specific insects are caught, report and record according to orchard procedure. ▪ Examine random samples or leaves, count specific species of pest and predator or parasite, and, as required by orchard practice, when specific pest numbers are reached or the pest- to- predator, or – parasite ratio slips beyond a stated point, report that fact.
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Please send this page to your NZHITO Regional Manager, who will forward it to National Office to register the credits on your NZQA Record of Learning.

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