

0279 Levels 2 & 3 Awards in Health and Safety in Agriculture and Production Horticulture



0279-02 Level 2 Award in Safe Working
in Agriculture and Production Horticulture (QCF)

0279-03 Level 3 Award in Controlling Risks to Health and Safety
in Agriculture and Production Horticulture (QCF)

Qualification handbook

October 2009



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Introduction

The Levels 2 and 3 Awards in Health and Safety aim to address health and safety issues within agriculture and production horticulture, for which a clearly identifiable need has been identified by the Health and Safety Executive (HSE).

The qualifications aim to provide people working within agriculture and production horticulture with knowledge to help them protect their own health and safety and the health and safety of employees who may be affected by their activities.

This aim is achieved through the development of relevant skills and knowledge at the appropriate level for each qualification. In developing these, the qualifications will begin to address key concerns around health and safety by make those working within agriculture and horticulture more aware of health and safety issues and more able to respond appropriately.

The qualifications are based upon the 'Strategic Agreement for a Portfolio of Vocationally Related Qualifications to Improve Health and Safety in Agriculture and Horticulture' developed in partnership with the Health and Safety Executive (HSE), Transport and General Workers Union (TGWU), and the National Farmers Union (NFU).

They have been updated by NPTC to support Government initiatives towards the Qualification and Credit Framework (QCF).

They replace the following qualifications:

0314-02 NPTC Level 2 Certificate in Working Safely in Agriculture/Horticulture (QAN: 100/5762/6).

0314-03 NPTC Level 3 Certificate in Controlling Risks to Health and Safety in Agriculture/Horticulture (QAN: 100/5763/8)

Course design

Tutors/assessors should familiarise themselves with the structure and content of the award before designing an appropriate course.

City & Guilds NPTC does not itself provide courses of instruction or specific entry requirements for candidates. As long as the requirements for the award are met, tutors/assessors may design courses of study in any way that they feel best meets the needs and capabilities of the candidates. For the Level 3 award, units are the same size and centres may deliver them in any order they wish.

Assessment and quality assurance

National standards and rigorous quality assurance are maintained by the use of:

- Multiple choice tests available via the City and Guilds Global Online Assessments System
- City & Guilds NPTC set and marked work based assignments (Level 3 only)

For more details on the assessment for each qualification please see pages 9 (Level 2) and 23 (Level 3).

Quality assurance includes initial centre approval, qualification approval, the centre's own procedures for monitoring quality and City & Guilds NPTC's ongoing monitoring by an External Verifier. Details of City & Guilds NPTC criteria and procedures, including roles of centre staff and External Verifiers are available from the City & Guilds NPTC verification team.

Online assessment requirements

City & Guilds Conduct of Examinations-General Regulations sets out the requirements in terms of seating, individual space and invigilator: candidate ratios. For the purposes of clarity these regulations state *inter alia*, that seating arrangements must be made that will prevent candidates from seeing each other's work intentionally or otherwise, that the minimum distance in all directions from centre to centre of candidate's chairs is 1.25 metres and that for computer tests there must be a minimum of one invigilator in each examination room per thirty candidates.

The entire test will be conducted via the candidate's VDU. All data relating to the assessment will be held by City & Guilds with results and performance feedback being delivered back to the approved centre.

City & Guilds NPTC will continue to apply its rigorous quality control procedures to the production, editing, marking, moderating and revision of all questions whilst at the same time applying a robust security system to prevent assessments being accessed or drawn down by unauthorised persons or for purposes beyond those authorised.

Staffing requirements

The following key roles must be filled:

Management Contact (Also referred to as the Promissor contact)

A key member of staff who will be responsible for the overall installation and running of the Global Online Assessments System. This person will be issued with the initial Promissor ID and password with which they will be able to gain access to the installation software and create other staff member Ids and passwords for their centre. This person will be receiving advance notification of all updates/service outages etc by email hence it is vital a correct and up to date email address is supplied.

Technical Contact

If different from the management contact, this person will be responsible for ensuring that the online testing system (including local network) is functioning properly prior to any scheduled tests taking place. This person will be receiving advance notification of all updates/service outages etc by email hence it is vital a correct and up to date email address is supplied.

Administrator Contact

If different from the management contact, this person will be responsible for the scheduling and administering of the tests on a day to day basis.

Centre and Qualification approval

Centres wishing to offer City & Guilds NPTC qualifications must gain approval.

New centres must apply for centre and qualification approval. Existing City & Guilds NPTC centres will need to get specific qualification approval to run this award. To apply for qualification approval centres should contact verification@nptc.org.uk and complete form NPTC QAP.

Centres should note that centre or qualification approval for this qualification is via City & Guilds NPTC.

City & Guilds NPTC reserves the right to suspend an approved centre, or withdraw its approval from an approved centre to conduct a particular City & Guilds NPTC scheme or schemes, for reasons of debt, malpractice or for any reason that may be detrimental to the maintenance of authentic, reliable and valid qualifications or that may prejudice the name of City & Guilds NPTC.

Resources and staffing requirements for Centre/ qualification approval

Centres are required to have:

- Access to Commercial farms/ Production Horticultural units for risk assessment exercises (Level 3 only)
- Facilities to run exams under examination conditions

Registration and Certification

Registration and certification requirements for each qualification are detailed on the following pages:

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0279-03 - Page 31

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Level 2 Award in Safe Working in Agriculture and Production Horticulture (0279-02)

QCA Ref: 500/7689/9



Qualification Structure

There is one unit for this qualification covering the essential elements of health and safety at this level.

Unit 201 Safe Working in the Land-Based Sector (3 credits) *(K600/4850)*

It is recommended that 23 hours should be allocated for the guided learning. This may be on a full time or part time basis.

The credit value for the qualification is 3.

This qualification is suitable for candidates aged 14 years and over.

The Level 2 qualification is suitable for candidates:-

- who are working in the agricultural and/or production horticultural sector
- who have an understanding of the agricultural/production horticultural sector and wish to progress into a related career
- who wish to develop knowledge of health & safety requirements in the agricultural and production horticultural industries
- who wish to add to their Continuous Professional Development

There are no formal prerequisites for the qualification, although candidates are expected to be working in the industry or have an understanding of the agricultural/horticultural industry sectors.

The overall grading system for the qualification is pass/fail.

Registration and certification

- Candidates must be registered at the beginning of their course. Centres should submit registrations using Form S (Registration) or via the Walled Garden, under scheme/complex no 0279-02.
- Full details on all the above procedures can be found on the City & Guilds website www.city-and-guilds.co.uk

Assessment

The knowledge requirements for the Level 2 Award will be assessed by a single multiple choice test.

The test includes 30 questions and candidates must achieve a minimum of 70% correct answers in order to pass the test, i.e. at least 21 questions answered correctly.

Multiple choice question tests are available online via the City & Guilds Global Online Assessments System (GOLA). Please refer to page 6 for details about online assessment requirements.

Test specification

Paper title: Level 2 Safe Working in Agriculture and Production Horticulture (0279-201)		
Test duration: 1 hour		Total number of questions: 30
Unit	Outcome	Number of questions per test
201	1. Effects of work related accidents/ incidents on people	2
	2. Role in the business with regard to health and safety	4
	3. Co-operation with others to improve health and safety	2
	4. Effect of an individuals work on the health and safety of others	1
	5. Safe/ unsafe behaviour	3
	6. Major sources of accidents/ ill health	5
	7. Control measures	10
	8. Safety checks for vehicles and equipment	1
	9. Those most at risk	1
	10. Jobs requiring specific training/ competence	1
	Total	30

Unit 1: Safe Working in the Land-based Sector	
NDAQ Reference: K/600/4850	
Unit level: 2	
Credit value: 3	Guided learning hours: 23
<p>Unit aim: This unit is aimed at learners who are working in the Agricultural/ Production Horticultural sector, or who are about to join it and require basic and relevant health and safety knowledge. . It will enable them to demonstrate a basic level of knowledge required to work safely and help contribute towards ensuring the safety of themselves and others.</p> <p>Relationship to National Occupational Standards: CU2, CU3.</p>	
<p>The content below provides candidates and assessors with additional guidance and detail than what is available in the QCF unit. It has also been written specifically to relate to Agriculture and Production Horticulture. The unit reference number for the QCF units is available above.</p>	

Learning Outcomes The learner will:	Assessment criteria The learner can:
<p>1. Understand the effects accidents and ill health can have on businesses and people</p>	<p>1.1 Identify the effects that work related accidents, incidents and ill health can have on people to include:</p> <ul style="list-style-type: none"> • Serious injury/disability/death • Pain, grief and suffering • Development of disease/ill health • Loss of ability to work (or work at previous levels) • Loss of earning capacity • Poorer employment prospects • Impact on family and social life • Prosecution/civil costs <p>1.2 Identify the effects that work related accidents, incidents and ill health can have on businesses to include:</p> <ul style="list-style-type: none"> • Sickness payments • Recruitment and training costs for replacement staff • Loss of production/output/skilled staff • Unable to carry out weather-critical work on time • Damage to machinery/buildings/livestock • Administrative costs • Insurance costs • Prosecution / civil costs • Impact on labour relations • Costs of having to use contractors • Damage to reputation

<p>2. Know their roles within the workplace that relate to health and safety</p>	<p>2.1 Identify the responsibilities of an employee in relation to health and safety in the workplace, to include:</p> <ul style="list-style-type: none"> • Taking reasonable care for their own health and safety and that of others • Co-operate/communicate with employer • Report defects in equipment etc • Not to interfere with anything provided for health and safety purposes <p>2.2 Identify the responsibilities of an employer in relation to health and safety in the workplace, to include:</p> <ul style="list-style-type: none"> • Ensure health, safety and welfare of employees, so far as is reasonably practicable • Provide safe systems of work, safe equipment etc • Ensure that risk assessments are carried out (and reviewed when changes occur) • Provide instruction, training and supervision • Appoint competent persons to assist • Produce a written health and safety policy when employing 5 or more persons • Consult with employees <p>2.3 Identify employee responsibilities in relation to the use, care and replacement of any Personal Protective Equipment (PPE) provided for use at work, to include:</p> <ul style="list-style-type: none"> • Follow instructions for using PPE • Maintain PPE as instructed • Store PPE in suitable place • Request replacement PPE if it becomes damaged/unusable
<p>3. Know how to co-operate with others to improve health and safety</p>	<p>3.1 Identify the benefits of working with others to improve health and safety, to include:</p> <ul style="list-style-type: none"> • Creation of a safer/healthier working environment • Compliance with legal requirements • Reduction in accidents/incidents/lost time • Creation of a positive health and safety culture

	<p>3.2 Identify those issues which require consultation between employee and employer, to include:</p> <ul style="list-style-type: none"> • Changes affecting employees health or safety • Appointing competent persons • Information on risks from work • Planning health and safety training • Consequences of introducing new technology <p>3.3 State ways in which the employee might contribute to a positive health and safety culture in the workplace, to include:</p> <ul style="list-style-type: none"> • Maintaining awareness of own health and safety and that of others • Compliance with instructions & policies • Setting a good example to others • Not taking unnecessary risks • Working to high standards of health and safety at all times • Communicating with others on health and safety issues • Co-operating with others • Prompt reporting of accidents/incidents/matters of concern • Requesting information /training
<p>4. Understand how personal work activities can affect the health and safety of others</p>	<p>4.1 Identify how personal work activities can affect the health and safety of others, to include:</p> <ul style="list-style-type: none"> • Poor standards in the workplace may cause injury/ill health to others • Setting a bad example to others may cause them to adopt poor practices and create additional risk • Creating stress for others in the workplace
<p>5. Know the consequences of safe and unsafe behaviour and the impact on workplace attitudes</p>	<p>5.1 Identify examples of safe and unsafe behaviour in the workplace</p> <p>Safe behaviours to include:</p> <ul style="list-style-type: none"> • Following safety instructions/safe systems of work at all times • Checking/inspecting equipment before use • Using work equipment safely • Reporting defects and deficiencies

	<ul style="list-style-type: none"> • Operating equipment/ carrying out tasks only when authorised/trained • Being attentive and careful at all times • Not interfering with safety devices • Reporting matters of concern promptly <p>Unsafe behaviours to include:</p> <ul style="list-style-type: none"> • Not following employers instructions/safe systems of work • Not operating machines/work equipment safely • Not maintaining machines/work equipment properly • Exceeding personal capacity in manual handling tasks • Working without considering the safety of others • Defeating or interfering with safety devices • Using equipment or performing tasks without being trained/competent • Failure to wear PPE when instructed to do so • Foolish behaviour or horseplay <p>5.2 Identify possible consequences of unsafe behaviour in the workplace, to include.</p> <ul style="list-style-type: none"> • Accidents/ill health to self or others • Damage or harm to buildings/equipment/livestock • Risk of disciplinary action by employer • Risk of prosecution by HSE • Impact on business profitability/employment
<p>6. Be aware of major sources of accidents and ill health in the work environment</p>	<p>6.1 Identify the main sources of accidents in agriculture/production horticulture, to include:</p> <p>Fatal accidents</p> <ul style="list-style-type: none"> • Workplace transport – struck by a moving vehicle • Falls from height • Struck by moving or falling objects • Struck by something collapsing or overturning • Contact with machinery • Contact with electricity • Injury by an animal

	<p>Non-fatal accidents</p> <ul style="list-style-type: none"> • Handling, lifting or carrying • Struck by a moving object • Slip, trip or fall on the same level • Falls from height • Contact with machinery • Injury by an animal <p>6.2 Identify the main sources of fatal/non fatal ill health in agriculture/production horticulture, to include:</p> <ul style="list-style-type: none"> • Occupational asthma • Dermatitis • Zoonoses • Noise • Musculoskeletal disorders
<p>7. Know appropriate measures to control the risks in agriculture/production horticulture</p>	<p>7.1 Identify appropriate measures to control the risks in agriculture/production horticulture, to include:</p> <ul style="list-style-type: none"> • The basic principles of the hierarchy of risk control measures with examples of how this might work in practice • Interpret the meaning of common types of safety sign found in agriculture/horticulture workplaces <p>7.2 State why manufacturers' instructions for the use of equipment, materials and products should be followed, to include:</p> <ul style="list-style-type: none"> • Awareness of hazards/risks and control measures for safe use • Awareness of operating parameters/restrictions • Maintenance requirements • Optimise performance <p>7.3 Identify the significance of a risk assessment and safe system of work prepared by the employer, to include:</p> <ul style="list-style-type: none"> • Required by law • Identification of hazards, risks and control measures • Recorded in writing/employees informed of findings • Required for significant health or safety risks • Set out precautions/safe system of work to be followed

	<p>7.4 Identify risks in the workplace associated with the following and give examples of control measures for each:</p> <p>Workplace transport</p> <p>Risks</p> <ul style="list-style-type: none"> • Pedestrians struck by moving vehicle • Pedestrian struck by unsecured loads • Vehicle overturns/collisions <p>Control measures:</p> <p>Safe site to include:</p> <ul style="list-style-type: none"> • Segregation of vehicles from pedestrians • Well defined traffic routes • Effective one way systems • Signage • Lighting • Surfaces properly maintained <p>Safe vehicle to include:</p> <ul style="list-style-type: none"> • Effective maintenance of steering, brakes, lights • ROPS/seat belts fitted • Reversing aids fitted • Loads secured • Machine suitable for task <p>Safe Driver</p> <ul style="list-style-type: none"> • Trained and competent • PPE worn where necessary • Requirements for certificates of competence <p>Falls from height</p> <p>Risks</p> <ul style="list-style-type: none"> • Falls from height during access to workplace • Falls from height whilst carrying out work <p>Control measures:</p> <ul style="list-style-type: none"> • Avoid working at height where possible • Provision of appropriate access equipment • Measures to prevent falls at the workplace • Use of purpose made access platforms • Safe systems of work • Precautions to prevent falls of
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	<p>materials/tools</p> <ul style="list-style-type: none"> • Training and supervision <p>Machinery/Work Equipment</p> <p>Risks:</p> <ul style="list-style-type: none"> • Contact with dangerous parts of machines • Risks from stored energy • Movement of unsecured parts • Electrocution <p>Control measures:</p> <ul style="list-style-type: none"> • Recognition of dangerous parts of machines found in typical agricultural/horticultural settings • Adequate and suitable guards for dangerous parts • Requirements for operating controls to be marked and working correctly • Safe systems of work for blockages/ break downs • Maintenance/Inspection and testing requirements • Staff training <p>Manual Handling</p> <p>Risks:</p> <ul style="list-style-type: none"> • Musculoskeletal disorders • Upper limb disorders • Back injuries • <p>Control measures:</p> <ul style="list-style-type: none"> • Avoidance of hazardous manual handling • Use of lifting aids/mechanical means • Training in safe lifting techniques <p>Noise</p> <p>Risks:</p> <ul style="list-style-type: none"> • Noise induced hearing loss from exposure to high noise levels • Deafness from sudden loud pulses of noise • Tinnitus <p>Control measures:</p> <ul style="list-style-type: none"> • Reduction of noise at source • Enclosure of noisy machines/processes • Systems of work to control exposure
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- Warning signs in hearing protection zones
- Suitable hearing protection provided and worn

Dust

Risks:

- Occupational asthma from exposure to asthmagens
- Other respiratory diseases/conditions

Control measures:

- COSHH assessment
- Elimination/substitution of dusty processes
- Use of engineering controls/enclosure
- Systems of work to control exposure
- Provision and use of suitable PPE

Hazardous substances

Risks:

- Zoonoses from livestock
- Ill health from exposure to pesticides
- Ill health from exposure to veterinary medicines
- Processes giving rise to hazardous substances

Control measures:

- COSHH assessment
- Elimination/substitution
- Engineering controls
- Safe systems of work
- Provision and use of appropriate PPE

Confined Spaces

Risks:

- Suffocation/poisoning due to oxygen deficiency/poisoning
- Burns from ignition of flammable gas

Control measures:

- Prevention of entry to confined spaces
- Safe systems of work
- PPE/RPE
- Emergency procedures

	<p>Electricity</p> <p>Risks:</p> <ul style="list-style-type: none"> • Fatal electric shock/burns from contact with live conductors/electrical components • Fire/explosion from electrical discharge in flammable atmospheres <p>Control measures:</p> <ul style="list-style-type: none"> • Protective measures for work below overhead power lines • Fuses/Residual Current Devices for electrical equipment • Reduced voltage tools • Inspection and testing requirements for equipment <p>7.13 Identify typical causes of slips, trips and falls in the workplace and give examples of control measures, to include:</p> <p>Causes:</p> <ul style="list-style-type: none"> • Wet/slippery floors • Obstructions • Poorly maintained surfaces <p>Control measures:</p> <ul style="list-style-type: none"> • Procedures for dealing with spillages/leakages • Good house keeping • Access routes free from obstructions • Good lighting <p>7.14 State what to do in the event of an accident, to include:</p> <ul style="list-style-type: none"> • The functions of the first aid appointed person • The functions of the trained first aider • The requirements to report accidents/incidents/ill health to a responsible person
<p>8. Understand the importance of checking that measures to protect health and safety in agriculture/production horticulture are properly maintained and used as instructed</p>	<p>8.1 Identify the benefits of regular checks of vehicles, work equipment and safety equipment, to include:</p> <ul style="list-style-type: none"> • To ensure reliability of operation • To identify any issues that may put user at risk • To comply with specific legal requirements • To ensure suitability for task to be

	<ul style="list-style-type: none"> performed <ul style="list-style-type: none"> • To check adequacy of protective devices provided
<p>9. Be aware of the particular risks to children, vulnerable adults and visitors from agricultural/production horticultural activities</p>	<p>9.1 Name groups of people who are most at risk in the typical agricultural/production horticultural working environment, including:</p> <ul style="list-style-type: none"> • Children and young people • Non English speaking workers • Those with disabilities • Temporary, seasonal or casual staff • Delivery drivers or visitors unfamiliar with the workplace • Contractors • Pregnant workers • Lone workers • Senior citizens/ those persons above normal retirement age <p>9.2 Identify the significance of awareness and supervision (of at-risk groups)</p> <p>9.3 Identify how and why the health and safety of vulnerable groups of people might be at risk in the agricultural/production horticultural environment, to include:</p> <ul style="list-style-type: none"> • Lack of awareness of hazards/risks • Unable to understand instructions/communicate effectively • Lack of physical/mental maturity • Unfamiliarity with the workplace/hazards • Vulnerability to injury/ill health/infection • Difficulties in summoning assistance
<p>10. Be aware of jobs in agriculture/production horticulture which require specific standards of training and competence</p>	<p>10.1 Identify specific work activities/equipment in agriculture/production horticulture for which recognised standards of training/competence are available or required, to include:</p> <ul style="list-style-type: none"> • Fork Lift Trucks and Telescopic Materials Handlers • All Terrain Vehicles (ATVs) / Quad Bikes • Chainsaws • Arboriculture • Pesticides • Sheep dips • Relevance of “grandfather rights”

Level 3 Award in Controlling Risks to Health and Safety in Agriculture and Production Horticulture (0279-03)

QCA ref: 500/7686/3



Qualification Structure

For the Level 3 Award in Controlling Risks to Health and Safety in Agriculture and Production Horticulture there are two mandatory units.

- | | |
|----------|--|
| Unit 301 | Principles of Controlling Risks to Health and Safety in the Land-Based sector (3 credits) (F/600/4868) |
| Unit 302 | Controlling Risks to Health and Safety in the Land-Based sector (3 credits) (L/600/4873) |

It is recommended that 40 hours should be allocated for the guided learning. This may be on a full time or part time basis.

The credit value for the qualification is 6.

This qualification is suitable for candidates aged 16 years and over.

The Level 3 qualification is suitable for candidates:-

- who are working in the agricultural and/or production horticultural sector as supervisors, skilled employees, unit managers, union and worker safety representatives or farmers/growers who are self-employed
- who wish to develop knowledge of health & safety requirements in the agricultural and production horticultural industries
- who wish to add to their Continuous Professional Development

The overall grading system for the qualification is pass/fail.

Registration and certification

Candidates must be registered at the beginning of their course. Centres should submit registrations using Form S (Registration) or via the Walled Garden, under scheme/complex no 0279-03.

Candidates achieving one or more assessment components will receive a Certificate of Unit Credit listing the assessment components achieved. Candidates achieving both assessment components required for the full qualification will, in addition, be issued a Certificate.

Full details on all the above procedures can be found on the City & Guilds website www.city-and-guilds.co.uk

Assessment

The methods of assessment for the two mandatory units in this qualification are detailed below.

Unit 301

The knowledge requirements for unit 301 will be assessed by a single multiple choice test.

The test includes 30 questions and candidates must achieve a minimum of 70% correct answers in order to pass the test, i.e. at least 21 questions answered correctly.

Multiple choice question tests are available online via the City & Guilds Global Online Assessments System (GOLA). Please see page 6 for details about online assessment requirements.

Test specification

Paper title: Level 3 Principles of Controlling Risks to Health and Safety in Agriculture and Production Horticulture (0279-301)		
Test duration: 1 hour		Total number of questions: 30
Unit	Outcome	Number of questions per test
301	1. Risk perception	2
	2. Hierarchy of measures to control risks	3
	3. Accident/ incident investigations to establish cause	5
	4. Implementation of a health and safety policy	3
	5. Workplace/ farm inspections	3
	6. Health and safety law	12
	7. Reducing risks in lone working	2
	Total	30

Unit 302

All of the learning outcomes in unit 302 of the level 3 award are assessed by a single work-based assignment that is specific to the candidate's own place of work. The assignment involves the following:

- carrying out a risk assessment, recording the main findings and arrangements for health and safety
- developing a communication strategy in order to relate relevant information
- researching the purchase of services and equipment

The assignment can be found on page 39 in this handbook.

The assignment is set and marked by City & Guilds NPTC examiners.

When assignments have been completed, candidates should return them to their local assessment centre. The assessment centre will then send them to City & Guilds NPTC for marking with a copy of the S form. City & Guilds NPTC examiners will then submit the results to City and Guilds.

Results should be submitted for component 302 – Level 3 Controlling Risks to Health and Safety in Agriculture and Production Horticulture.

Unit 301: Principles of Controlling Risks to Health and Safety in the Land-based Sector
NDAQ Reference: F/600/4868
Unit level: 3
Credit value: 3
Unit aim: This unit is aimed at learners who are working in the land-based sector and who wish to develop their health and safety knowledge in order to progress within the sector or add to their continuing professional development. It aims to address the knowledge and understanding required for those supervising or managing staff, the self-employed and/or those representing the health and safety needs of workers in a land-based environment. Relationship to National Occupational Standards: CU2, CU3.
The content below provides candidates and assessors with additional guidance and detail than what is available in the QCF unit. It has also been written specifically to relate to Agriculture and Production Horticulture. The unit reference number for the QCF units is available above.

Learning Outcomes The learner will:	Assessment criteria The learner can:
1. Understand how people's knowledge, experience and attitude affect their perception of risk	1.1 Identify the effect of the age and/or inexperience on perception of risk in the workplace 1.2 Identify different attitudes and behaviours in relation to Health and Safety in the workplace and how attitudes may affect perception of risk 1.3 Identify methods of increasing awareness of risk in the workplace 1.4 Identify those who may be of particular risk in the workplace
2. Know the hierarchy of measures to control risk and how the principle of ' <i>so far as is reasonably practicable</i> ' will affect their application	2.1 Identify measures to control risks and their order of preference 2.2 Define the term ' <i>so far as is reasonably practicable</i> ' 2.3 Describe how the principle ' <i>so far as is reasonably practicable</i> ' affects the application of measures to control risk
3. Know how to investigate accidents and incidents in order to establish cause	3.1 Identify when to investigate accidents and incidents 3.2 Identify documentation and materials required for gathering evidence and recording investigations 3.3 State when to report to authorised person/persons/HSE Incident Contact Centre

	<p>3.4 Identify the benefits that can come from investigating accidents and incidents in the workplace</p> <p>3.5 List those who may be involved in and workplace investigation</p>
<p>4. Know how to implement procedures to enact the health and safety policy</p>	<p>4.1 Identify which personnel need to be involved with relevant sections of a Health and Safety Policy</p> <p>4.2 Suggest ways of implementing procedures for the application of a Health and Safety Policy</p>
<p>5. Know how to carry out a workplace investigation and, where appropriate, report findings to management.</p>	<p>5.1 Suggest what may be included in a workplace/farm inspection</p> <p>5.2 Identify who should carry out a workplace inspection</p> <p>5.3 Identify those who should be informed of any recommendations</p>
<p>6. Know the principle health and safety legislation applying to agriculture/production horticulture</p>	<p>6.1 Identify significant health and safety issues and legal requirements applicable to the following activities:</p> <ul style="list-style-type: none"> • Lift trucks • Chainsaws • ATVs • Pesticides application • Work at height • Manual handling • Noise • Home mixed feed rations <p>6.2 Identify the differences between a Code of Practice, an HSE Approved Code of Practice and HSE guidance</p> <p>6.3 Suggest sources of current advice and guidance regarding Health and Safety legislation</p>
<p>7. Know measures to reduce risks from lone working in agriculture/horticulture</p>	<p>7.1 Define lone working</p> <p>7.2 Identify measures to reduce risks of lone working</p>

Unit 302: Controlling Risks to Health and Safety in the Land-based Sector
NDAQ Reference: L/600/4873
Unit level: 3
Credit value: 3
<p>Unit aim: This unit is aimed at learners who are working in the land-based sector and who wish to develop their health and safety knowledge in order to progress within the sector or add to their continuing professional development. It aims to address the knowledge and understanding required for those supervising or managing staff, the self-employed and/or those representing the health and safety needs of workers in a land-based environment.</p> <p>Relationship to National Occupational Standards: CU2, CU3.</p>
<p>The content below provides candidates and assessors with additional guidance and detail than what is available in the QCF unit. It has also been written specifically to relate to Agriculture and Production Horticulture. The unit reference number for the QCF units is available above.</p>

Learning Outcomes The learner will:	Assessment criteria The learner can:
1. Know the difference between a hazard and a risk	1.1 Give examples of typical farm/production horticultural hazards and the risks associated with them.
2. Know how to complete task specific risk assessments appropriate to agriculture/production horticulture	2.1 Carry out a task specific risk assessment on workplace transport, plus an additional task specific risk assessment from the following list: <ul style="list-style-type: none"> • Falls from Height • Machinery operation • Manual Handling • Work with animals • Slips, trips and falls • Substances hazardous to health • Noise • Dust • Electricity • Confined spaces • Lone working
3. Know the control measures that meet good practice standards in agriculture/production horticulture	3.1 Identify areas that can be improved to meet current best practice standards in the workplace 3.2 Identify appropriate control measures for the area/tasks specified
4. Know who should be informed in relation to risk assessment findings	4.1 Identify those groups of people who may be at risk in the workplace.

<p>5. Know how to instruct workers and/or contractors about relevant control measures</p>	<p>5.1 Develop a communications strategy to show how significant findings can be communicated to all relevant personnel</p> <p>5.2 Suggest methods for checking understanding.</p>
<p>6. Know sources of guidance on good health and safety standards in agriculture/production horticulture</p>	<p>6.1 For each of the risk assessments carried out for 2.1 above, identify appropriate sources of guidance regarding industry best practice.</p> <p>6.2 Identify other sources of health and safety guidance relevant to his/her workplace eg The Green Code</p>
<p>7. Understand how purchasing/ selection decisions can reduce risks to health and safety when considering</p> <p>(a) new or replacement equipment</p> <p>(b) selection of contractors</p>	<p>7 (a) Prepare a checklist to ensure that the purchase of a new item of work equipment will meet both operational and health and safety requirements</p> <p>(b) Prepare a checklist for the selection of a competent contractor</p>

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June 2009

**0279-03 Level 3 Award in Controlling Risks to
Health and Safety in Agriculture and
Production Horticulture**

**Unit title: Controlling Risks to Health and Safety
in the Land-Based Sector**

**Work-based Assignment
Version 2**

Assignment mark sheet- for Awarding Body use only

To be completed by the examiner assessor and signed by the candidate.

Candidate name	Enrolment number
Centre name	Centre number

Candidate feedback – to be completed by the Examiner

Unit/ Task	Pass/ fail	Comments
Part 1		
Part 2		
Part 3		
Additional comments:		

Candidates must sign below to declare that the assignment submitted is their own work

Candidate's signature	Date
Examiner's signature	Date
External verifier's signature (where applicable)	Date

Guidelines for completing the assignment

To achieve this unit 'Controlling Risks to Health and Safety in the Land-based Sector' you must successfully complete a work-based assignment. To enable you to do this, the handbook comprises a number of tasks that give you the opportunity to demonstrate that you have the skills necessary to assess risk within the context of a farm/production horticultural holding environment.

Please note: Information supplied by candidates when completing this assignment will be used solely for the purpose of this assessment and will remain strictly confidential.

Supporting evidence

Supporting evidence may include information such as extracts from health and safety policies, photographs, diagrams, leaflets etc.

It is therefore important that assignments are submitted with the assignment mark sheet attached to the front of the assignment. Candidates must complete boxes at the top of the assignment mark sheet displaying their name, centre name, enrolment number and centre number clearly.

All sections of the assignment and supporting documentation must be securely fastened together before it is submitted for marking. Any separate sheets of paper will not be accepted for marking.

Assignments should be submitted for marking to your assessment centre.

Assignment copies

It is strongly advised that candidates take a copy of their assignment before handing in. In the event of loss the candidate may need to send a second copy of their assignment to the marker.

Time limits for the assignment

Time limits have not been included for the assignment because time is not an assessment criteria in this context.

Marks and grades

Marks, comments and overall grade for the completed assignment will be recorded onto the appropriate assignment mark sheet.

Feedback on this work will be returned to you once your assignment has been marked.

The project assignment may be hand written or word-processed. Hand written submissions must be clear and legible.

No extra marks are given for length of the project assignment – the important thing is to address each section as it applies to your business.

Bibliography

Please list any resources you used to prepare your assignment (e.g. reference books or materials, website addresses).

Summary of good assessment technique

- Read the question and make sure you fully understand what the question is asking you to do before attempting to write your answer. Sometimes the question may require you to do several things.
- Spend time planning your answer and refer back to the question from time to time to ensure that you are on the right track and covering all the relevant points.
- Don't fall into the trap of writing everything you know about a subject just because you see it mentioned in the question. Focus on what the question is asking about a particular topic.
- If you are submitting documents or attachments to support your answer refer to them (or the relevant parts) in the text. Highlight any particular points that you wish to draw attention to. Do not include copies of materials that are not relevant.
- Make sure that any numbering system you use for your answers matches the numbering system on the assignment.

Other general points to note:

- The risk assessment template may be photocopied or reproduced electronically as a continuation sheet. Don't try to cram all of your answer on to the template provided in the assignment paper.
- Ideally assignments should be word processed and submitted in a folder or other secure binder to prevent pages becoming detached or lost.

Resources

[Farmwise: your essential guide to health and safety in agriculture](#) PDF [1,678kb] reference MISC165 (2005)

Five steps to risk assessment – reference INDG163(rev2)

Five steps to risk assessment – case studies- reference HSG183

Managing Vehicle Safety at the Workplace – An overview – reference INDG199(rev1)

[Use of contractors](#) – A shared responsibility – reference INDG368

[Buying new machinery](#) - A short guide to the law and some information on what to do for anyone buying new machinery for use at work. – reference INDG271

www.hse.gov.uk/agriculture/assessment/index.htm - electronic self- assessment tool (also available on CD)

Useful websites:

On the HSE website www.hse.gov.uk

For obtaining publications www.hsebooks.com

Level 3 Award in Controlling Risks to Health and Safety in Agriculture and Production Horticulture

Component 0279-302 Level 3 Controlling Risks to Health and Safety in Agriculture and Production Horticulture

Work-based Assignment

Background information

The first part of your project assignment should provide background information which gives you the opportunity to explain the types of farm/ holding and the context in which you work. You should include information about:

- Type of farm/production horticultural holding
- Main activities of farm/production horticultural holding.
- Your role
- Any employees you manage/lead/supervise, how many employees you work with and the type of activities they carry out
- Time period covered by the risk assessment, i.e. dates within which you worked on the risk assessment.

(No more than 300 words)

Covering the Unit

The project assignment is broken down into three parts. The proportion of marks awarded is shown in brackets.

Part 1 – evidence must show that you are aware of hazards and risks and that you are able to conduct a number of task specific risk assessments on your place of work and report these clearly and concisely.

(50%)

Part 2 - you must demonstrate that you know how to instruct workers and/or contractors about the outcome of your risk assessments and the relevant control measures.

(20%)

Part 3 - you must show that you understand how purchasing/ selection decisions can reduce risks to health and safety when considering new or replacement equipment and in the selection of contractors.

(30%)

PART 1

Risk Assessments

Please note that the template to be used for this section is provided in appendix A.

- 1.1 Carry out a task specific risk assessment on one item of workplace transport that you are familiar with at your workplace. Use the template provided to record the findings of your assessment.
- 1.2 Your risk assessment must record the following information:
 - a. What are the hazards associated with the task
 - b. Identify who might be at risk and how they might be harmed
 - c. What existing control measures are already in place to reduce the likelihood of harm, and indicate whether these control measures meet the legal requirements
 - d. What further action is necessary where standards have not been met
 - e. Indicate any priorities for action
- 1.3 At the end of the assessment write down a list of relevant sources of information and guidance applicable to the task/work activity covered by the assessment, and state where such material can be obtained.

When carrying out your risk assessment you must take into account the need to ensure the following:

- safe work site
- safe vehicle
- safe driver

- 1.4 Carry out a second task specific risk assessment (repeat steps 1.1 to 1.3) for **one** work activity that **you** might carry out, from the following list.
 - Work at height. Eg. Working on a building/glasshouse roof, building maintenance, treework operations.
 - Manual Handling. Eg. Moving/stacking bales, bagged products, seed trays, livestock handling.
 - Exposure to Dust. Eg. Working in a grain store, milling and mixing, work with poultry, grading and sorting produce.
- 1.5 Use the template provided in Appendix A.

PART 2

Communicating with people

- 2.1 Having completed your risk assessments you are now required to produce a report explaining how the significant findings from the assessments can be communicated to all relevant groups of people in the workplace. You should include in your answer examples of alternative ways in which the information may be communicated, what the key messages are, and explain how you would check that the information has been understood.

(No more than 300 words)

PART 3 A

Selecting the right equipment

Now that you have completed your risk assessments and communicated your findings to the people concerned, you now need to consider the purchase of new or replacement equipment.

3.1 State what the new item of work equipment will be eg. Tractor, telescopic materials handler, chainsaw etc and what tasks or activities it will be required to perform.

Prepare checklists that you could use to ensure that the item you purchase will meet both operational and health and safety requirements.

- a. Checklist 1 must list the specific tasks that you require the product to do (operational criteria)
- b. Checklist 2 must list what health and safety features this new product must have in order to carry out the tasks safely.
- c. Checklist 3 must identify actual examples of suitable work equipment and identify why it meets the particular health and safety requirements identified in checklist 2.

3.2 Submit with your answer relevant health and safety information (e.g. leaflets, downloads from a website, photographs) for the selected product and indicate what are the relevant health and safety features of the product that make it suitable for the tasks it is to perform. For example, a tractor safety cab or roll over protective structure.

(No more than 300 words)

PART 3 B

Appointing a competent contractor

You may wish to bring in an external contractor to undertake certain tasks. In order to ensure that you appoint a contractor who can undertake the work safely, you are required to carry out checks to verify that the contractor is competent.

3.3 Specify what criteria you would use to help you appoint a competent contractor for the following tasks:

- a)Applying pesticides
- b)Felling a tree

3.4 Explain why have you selected these criteria?

3.5 How would you judge whether the contractors identified meet the criteria set?

(No more than 300 words)

APPENDIX A

Level 3 Award in Controlling Risks to Health and Safety in Agriculture and Production Horticulture

Risk Assessment Template

Ref.	Task	What are the hazards?	Who might be harmed and how?	Existing controls	Further action required

Ref.	Task	What are the hazards?	Who might be harmed and how?	Existing controls	Further action required

Ref.	Task	What are the hazards?	Who might be harmed and how?	Existing controls	Further action required

Risk Assessment prepared by: _____

Signed: Date:

Further information

Further information regarding centre/qualification approval or any aspect of assessment of our qualifications should be referred to City & Guilds NPTC, with the exception of registration and certification which is via the walled garden or City & Guilds regional office.

Region	Telephone	Facsimile
NPTC	024 7685 7300	024 7669 6128
City & Guilds Scotland	0131 226 1556	0131 226 1558
City & Guilds North East	0191 402 5100	0191 402 5101
City & Guilds North West	01925 897900	01925 897925
City & Guilds Yorkshire	0113 380 8500	0113 380 8525
City & Guilds Wales	02920 748600	02920 748625
City & Guilds West Midlands	0121 359 6667	0121 359 7734
City & Guilds East Midlands	01773 842900	01773 833030
City & Guilds South West	01823 722200	01823 444231
City & Guilds London and South East	020 7294 2820	020 7294 2419
City & Guilds Southern	020 7294 2724	020 7294 2412
City & Guilds East	01480 308300	01480 308325
City & Guilds Northern Ireland/ Ireland	028 9032 5689	028 9031 2917

Websites www.nptc.org.uk and www.city-and-guilds.co.uk

