



## QQI Course Specifications

Approval criteria for the Course: **Boom Sprayer Pesticide Application 5N1797**

Staff Responsible	QA Staff, Sales Managers, Training Co-ordinators, Tutors
-------------------	--

Reference	<b>Boom Sprayer Pesticide Application 5N1797</b>
-----------	--

<b>Award Class</b>	Minor
<b>Code</b>	5N1797
<b>Level</b>	5
<b>Credit Value</b>	5
<b>Duration</b>	2 Days over a two-week period – 15 hrs directed + 35 hrs self - directed.
<b>Ratio</b>	10
<b>Purpose</b>	The purpose of this award is to equip the learner with the knowledge, skill, and competence to apply crop pesticides using a boom sprayer in accordance with recommended safe practice.
<b>Learning Outcomes</b>	<p>Learners will be able to:</p> <ol style="list-style-type: none"> <li>1. Describe how infestations of pests (weeds, diseases, insects and vertebrates) affect crop growth and reduce quality.</li> <li>2. Describe the range of pest control methods available to farmers and growers.</li> <li>3. Explain the terminology used to categorise pesticides for crop production, the factors affecting pesticide efficiency and the factors to be considered when selecting a formulation.</li> <li>4. Describe principles and procedures for the safe handling, storage, application and disposal of pesticides including appropriate personal protective equipment.</li> <li>5. Summarise laws and regulations relating to poisonous substances to include pesticide residues and maintenance of adequate records.</li> <li>6. Explain the principles of application technology necessary for the proper application of pesticides in respect of applicator components, calibration, maintenance, field operating procedures and precautions.</li> <li>7. Interpret pesticide label information in respect of precautionary symbols, product name, class designation, registration number, purpose, precautions, first aid instruction, toxicology information, disposal, notice to user, material safety data sheets (MSDS) and directions for use.</li> <li>8. Prepare boom sprayer for work, including calibration, in accordance with safe recommended good practice and manufacturer's instructions.</li> </ol>

	<p>9. Make up a pesticide spray mix in accordance with good practice including the pesticide product label dosage recommendations and the application area.</p> <p>10. Store a boom sprayer and personal protective equipment in a safe and efficient manner according to manufacturer's instructions.</p> <p>11. Apply a pesticide mix with a boom sprayer in a safe and efficient manner in accordance with recommended good practice.</p>
<b>Assessment General Information</b>	All FET assessment is criterion referenced. Successful achievement of the award is based on learners attaining the required standards of knowledge, skill, or competence.
<b>Assessment Techniques</b>	<p>In order to demonstrate that they have reached the standards of knowledge, skill and competence identified in all the learning outcomes, learners are required to complete the assessment(s) below.</p> <p>All learning outcomes must be assessed and achieved.</p> <p>Skills Demonstration 60% Examination - Theory 40%</p>
<b>Assessment Descriptions</b>	<p><b>Skills Demonstration</b> A skills demonstration is used to assess a wide range of practical based learning outcomes including practical skills and knowledge. A skills demonstration will require the learner to complete a task or series of tasks that demonstrate a range of skills.</p> <p>The learner must achieve at least 40 of the 60 marks available, to pass this assessment. The learner must pass this assessment to achieve the award.</p> <p>Overall Marks: 60</p> <p><b>Examination - Theory</b> An examination provides a means of assessing a learner's ability to recall and apply knowledge, skills and understanding within a set period of time and under clearly specified conditions. A theory-based examination assesses the ability to recall, apply and understand specific theory and knowledge.</p> <p>Overall Marks 40</p>
<b>Recognition of Prior Learning (RPL)</b>	1 years' experience operating tractors and sprayers or Completed QQI Handheld Pesticide Application 5N0731
<b>Grading</b>	<p>Pass 50% - 64%</p> <p>Merit 65% - 79%</p> <p>Distinction 80% - 100%</p>

<b>Specific Validation Requirements</b>	There are no specific validation requirements for this award.
<b>Awards</b>	A component certificate in Boom Sprayer Pesticide Application 5N1797.
<b>The teaching faculty (tutor) requirement for a QQI Level 5 course</b>	<p>FRS Training requires the following criteria for trainers of QQI programmes.</p> <ul style="list-style-type: none"> <li>➤ Relevant and up to date accredited certification (including the QQI Special Purpose Award in Training &amp; Development @ L6 in the role of the Trainer)</li> <li>➤ Relevant and up to date occupational experience</li> <li>➤ Trainers must demonstrate the minimum of an accredited qualification (or equivalent) of at least one level above that which they are facilitating on the QQI NFQ.</li> </ul>
<b>Entry requirements:</b>	<p>Learners are required to be over 16 years of age and have 1 years' experience operating tractors and sprayers. To access programmes leading to this award the learner should have reached good standards of knowledge, skill and competence associated with the preceding level of the National Framework of Qualifications. For example, have completed a level 4 before commencing a level 5. This may have been achieved through a formal qualification or through relevant life and work experience. Learners should require a good command of the English language and a good level of numeracy and literacy. All learners are required to complete 100% attendance in order to attempt the assessments.</p>
<b>Remediation:</b>	<p>Learners can request Reasonable Accommodation supports through FRST Reasonable Accommodation Support Policy and Procedure. An application form can be requested from <a href="mailto:ga@frstraining.com">ga@frstraining.com</a></p>
<b>Transfer and Progression</b>	<p>Successful completion of this component award enables the learner to transfer to programmes leading to other certificates where this component is a mandatory or an elective requirement. This module forms part of the QQI Horticulture Major Award 5M2586</p>
<b>Course information:</b>	<p>The course will be both theory and practical based and held over 2 days over a 2week period.</p> <p>All learning material will be provided for the duration of the course and learners will be registered for certification through FRS Centre. Learners are expected to engage in independent learning outside of the formal training. On successful completion of the course learners will receive a QQI level 5 in Boom Sprayer Pesticide Application.</p>