

# Field Crop Sprayer - Hydraulic Nozzle

# CLPA01X

<b>Course Objectives</b>	<p><b>At the end of the course, participants will be able to:</b>          develop knowledge covering the requirements of current legislation          apply pesticides safely and efficiently with a field crop sprayer fitted with hydraulic nozzles          identify and select appropriate nozzles, carry out machine preparation and calibration          operate the equipment in compliance with current legislation and codes of practice          clean equipment, and dispose of unwanted pesticides and containers          identify and rectify faults and recognise conditions when spraying is inadvisable          All without risk to self or third party</p>																
<b>Who is the Course For?</b>	<p>This course is a must for all those involved in operating and maintaining hydraulic nozzle type field crop sprayers. Participants should have attended the course CLPS01X Safe Use of Pesticides and/or hold the recognised certificate of competence 'Safe Use of Pesticides, Environmental Factors and Legislation.</p>																
<b>Duration/Format</b>	<p>One day practical for experienced operators</p>																
<b>NVQ/SVQ Linkage</b>	<p>Two days practical for those with little or no experience (CLPA11X)</p>																
<b>Instructor/Trainee Ratio</b>	<p>This supports learning towards achievement of a FEPA Certificate of Competence, which is a requirement of many NVQs/SVQs, for example 'Forestry' level 2 and most Agricultural and Commercial Horticulture awards at level 3.</p>																
<b>Course Content</b>	<p><b>Max:</b> 1:6     <b>Min:</b> 1:2</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Introduction</td> <td style="width: 50%;">General safety</td> </tr> <tr> <td>Preparation for work</td> <td>Checking and fitting pump</td> </tr> <tr> <td>Hitching sprayer to tractor</td> <td>Cleaning and inspection</td> </tr> <tr> <td>Setting and testing application rate</td> <td>Setting boom height</td> </tr> <tr> <td>Preparing pesticides for work and filling sprayer</td> <td>Field operation</td> </tr> <tr> <td>Spray drift and environmental factors</td> <td>Field practice</td> </tr> <tr> <td>Out of season maintenance and storage</td> <td>Summary</td> </tr> </table>			Introduction	General safety	Preparation for work	Checking and fitting pump	Hitching sprayer to tractor	Cleaning and inspection	Setting and testing application rate	Setting boom height	Preparing pesticides for work and filling sprayer	Field operation	Spray drift and environmental factors	Field practice	Out of season maintenance and storage	Summary
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<b>Facilities/Equipment required:</b>	<p><b>Organiser</b>          Namecards/lapel stickers          First aid kit and fire extinguisher          Tractors with weights &amp; sprayers (1 per 2 trainees) or self-propelled sprayers.          Sprayers should be clean inside &amp; out &amp; filled with water.          High capacity water supply &amp; hose pipe.          Airline (foot or bicycle pump)          Instruction books for all tractors and sprayers          Coveralls, rubber boots, apron and coat, suitable protective gloves, hood and face shield          Spare filters etc.          Comprehensive tool kit.          Containers with a simulated pesticide.          Field marking ropes and sticks</p> <p><b>Venue</b>          Warm, well lit room with adequate tables and chairs.          Mains water supply/drain. 13 amp power point. Building or yard with clean concrete floor.          Washing facilities. Suitable field nearby.</p>	<p><b>Instructor/Tutor</b>          Protective clothing to include face shield, hood, rubber gloves, rubber apron and coveralls.          Accurately calibrated measuring cylinder.          Water sensitive paper.          Hand held optical tachometer.          Steel tape measure (2m)          Comprehensive tool kit          Tape measure (at least 10m long).          Spare filters etc.          Product labels or label duplicates.          Calibrated measuring jugs (2 ltr).          Containers with simulated pesticide.          Nozzle testing equipment.          Marker ropes, field marking sticks.          OHPs.          Wind speed gauge.          Pocket calculator.</p>	<p><b>Trainee</b>          Protective clothing to include face shield, hood, rubber gloves, and apron and coverall.          Steel tape measure (2m)          Notebook and pencil          Pocket calculator          NPTC 'Pesticide Application' schedule          Instructional books for tractor and sprayer</p>														
<b>Publications included in package</b>	<p>BCPC/Lantra Awards Boom Sprayers - Handbook &amp; Nozzle Chart</p>																

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**Instructor – Basic  
Registration Criteria**

Please refer to the Lantra Awards Instructor Information Pack.

**Instructor –  
Technical Skills  
Knowledge and  
Experience**

**Instructor –  
Certification (If  
desirable)**