Internal Tree Inspection Programme

At a glance…

Assessed Customised Provision

Delivery Method: Classroom and practical

Recognised by: Lantra Awards

Prerequisites: Extensive industry and/or consultancy experience within the arboricultural profession is required. The Professional Tree Inspection (PTI) certificate is preferred, but not essential. Candidates must demonstrate a strong commitment to arboricultural best practice and a clear interest in tree retention.

Introduction

The Internal Tree Inspection Programme (ITIP) is a two-day course that trains arboriculturists to assess the internal condition of trees. It covers visual tree assessment, tomography and the use of the microdrill.

Overview in brief

This Lantra-accredited Customised Award is exclusively developed and delivered by a Lantra-approved Training Provider, who meets our quality standards. The course is specifically tailored to meet learners' needs. For further details about the course content and delivery locations, please contact the Training Provider using the details below.

The minimum age to undertake this course is 18.

The Internal Tree Inspection Programme (ITIP) is a two-day course designed to develop knowledge, practical experience and understanding in assessing the internal condition of trees within a professional consultancy context.

Day 1 covers the role of Visual Tree Assessment (VTA) and the correct use of sonic and electrical resistance tomographs within the arboricultural profession. Participants

undertake field exercises, group research and practical sessions to examine the strengths and limitations, correct application and best practice of internal tree inspection methods.

Day 2 introduces the microdrill, focusing on drilling technique, evidencing within report writing processes, measurement curve analysis and research-based evaluation of invasive inspection methods and failure criteria.

The course concludes with a written assessment to demonstrate knowledge and understanding of the correct use and interpretation of internal diagnostic equipment, ensuring trees are neither unsafely retained nor unnecessarily removed.

Cost: £595.00 + VAT

The finer details

The Internal Tree Inspection Programme (ITIP) is a two-day course combining practical application with research-led learning. It covers Visual Tree Assessment (VTA) and the appropriate use of diagnostic tools including the PiCUS 3 Sonic Tomograph, PiCUS TreeTronic 3 Electrical Resistance Tomograph and the IML Resi-PD400 microdrill.

Emphasis is placed on the accurate understanding and interpretation of tomograms and microdrill measurement curves to support defensible, evidence-based tree management decisions within a professional consultancy context.

Day 1 focuses on the role and application of VTA, structured group research and discussion on sonic and electrical resistance tomography, practical session for equipment uses best practice and data interpretation to build confidence in the interpretation of results.

Day 2 develops interpretation skills, further research-based evaluation of invasive inspection methods and practical application of the microdrill, including measurement curve analysis, evidencing within report writing and consideration of recognised failure criteria to support proportionate decision making. The course concludes with a final written assessment leading to certification.

The programme is designed to ensure arboriculturists understand and apply professional standards in internal tree inspection, ensuring trees are neither unsafely retained nor unnecessarily removed. It enables arboricultural professionals, especially Tree Officers, to identify poor standards of inspection and report production.

Who should attend?

Arboricultural consultants and Tree Officers

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Tree owners or managers with arboricultural knowledge

Arborists with a strong interest in tree assessment and management

What will be covered?

The Internal Tree Inspection Programme (ITIP) provides arboriculturists with the knowledge, understanding and practical experience required to assess the internal condition of trees using recognised diagnostic tools within a professional consultancy context.

The course covers:

- The role of Visual Tree Assessment (VTA) in professional internal tree inspection
- The appropriate use of the PiCUS 3 Sonic Tomograph and PiCUS TreeTronic 3 Electrical Resistance Tomograph
- The correct application of the IML Resi-PD400 microdrill
- Interpretation of tomograms and microdrill measurement curves
- Research-based evaluation of invasive and non-invasive inspection methods
- Consideration of recognised failure criteria to support proportionate decision making
- Evidencing findings within report writing processes
- Identification of poor standards of inspection and report production

Course Objectives:

To develop the skills required to undertake internal tree inspections using visual assessment, sonic and electrical resistance tomography and microdrill techniques, with emphasis on appropriate equipment use, accurate interpretation of results and defensible, evidence-based decision making.

The course combines structured classroom learning, research discussion and supervised practical field exercises. A written assessment evaluates knowledge and understanding of the correct use and interpretation of internal diagnostic equipment to ensure trees are neither unsafely retained nor unnecessarily removed.