Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

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COURSE BROCHURE

Macadamia Tree Pruning And Techniques Training

Agriculture and Nature Conservation / Secondary Agriculture

Unit Standard 115805 · NQF Level 2 · 12 Credits · 9 Days

COURSE OVERVIEW

This course equips participants with the knowledge and practical skills required to prune macadamia trees effectively, promoting tree health, optimal nut production, and farm safety. Participants will learn pruning techniques aligned with industry best practices and South African agricultural standards.

Category	Agriculture and Nature Conservation
Subfield	Secondary Agriculture
Unit Standard	115805
Accreditation	SAQA Accredited · NQF Level 2 · 12 Credits
Duration	9 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS — verifiable online

LEARNING OUTCOMES

- Apply correct pruning techniques for young and mature macadamia trees to enhance growth and yield.
- Demonstrate safe use and maintenance of pruning tools and equipment.
- Analyze tree structure and health to determine appropriate pruning cuts.
- Evaluate pruning outcomes against industry standards and adjust practices accordingly.
- Implement a pruning schedule that considers seasonal and climatic factors.
- Comply with occupational health and safety regulations during pruning activities.

WHO SHOULD ATTEND

- This course is designed for macadamia farm workers, supervisors, and farm managers who are responsible for tree maintenance and pruning operations.

COURSE OUTLINE

Day 1: Introduction to Macadamia Tree Pruning

- Overview of macadamia cultivation in South Africa
- Tree biology: growth patterns and fruiting wood
- Pruning objectives: health, productivity, and shape
- Types of pruning cuts: thinning, heading, and tipping
- Tool selection: secateurs, loppers, saws, and pole pruners
- Personal protective equipment (PPE) and safe handling

Day 2: Pruning Principles and Tree Assessment

- Pruning principles: timing, severity, and wound management
- Tree assessment: canopy density, branch angles, and deadwood
- Recognizing disease symptoms (e.g., Phytophthora, husk spot
- Pest indicators: macadamia nut borer and stink bugs
- Decision-making: what to prune and what to retain
- Practical exercise: tree health scoring

Day 3: Pruning Young Macadamia Trees for Structure

- Formative pruning objectives in the first 3 years
- Selecting scaffold branches: spacing and angle
- Heading back leaders to promote branching
- Removing competing shoots and water sprouts
- Balancing vegetative growth with early flowering
- Hands-on: pruning 1- to 3-year-old trees

Day 4: Maintenance Pruning of Mature Trees

- Maintenance pruning cycle: annual and biennial approaches
- Thinning canopy for light distribution
- Renewal pruning: removing old, unproductive wood
- Managing height: topping and skirt pruning
- Wound care and sealants: when to use
- Practical session: pruning 5- to 10-year-old trees

Day 5: Rejuvenation Pruning of Overgrown Trees

- Signs of decline: low yield, dieback, dense canopy
- Staged rejuvenation: 1/3 rule over 3 years
- Cutting back to strong lateral branches
- Post-pruning nutrition and irrigation
- Monitoring regrowth for new framework
- Case studies: rejuvenation success stories

Day 6: Pruning for Pest and Disease Management

- Common macadamia pests: nut borer, stink bug, thrips
- Diseases: husk spot, stem canker, root rot
- Pruning to improve airflow and reduce humidity
- Removal of infested or diseased branches
- Disinfection of tools between trees

- IPM strategies: monitoring, thresholds, biological control

Day 7: **Advanced Pruning Techniques and Mechanisation**

- Mechanical pruning: hedgers, toppers, and circular saws
- Precision pruning for high-density systems
- Drop-crotch pruning for large limbs
- Pollarding for specific management goals
- Cost-benefit analysis of mechanisation
- Practical demonstration of mechanical pruning

Day 8: **Pruning Scheduling and Orchard Management Integration**

- Phenological stages: flowering, nut set, harvest
- Optimal pruning windows in South African regions
- Nutrient management post-pruning
- Irrigation adjustments after canopy reduction
- Record-keeping: tree maps, pruning logs
- Using yield data to refine pruning strategies

Day 9: **Practical Assessment and Course Review**

- Practical assessment: pruning a set of trees
- Evaluation criteria: cut placement, safety, tree structure
- Feedback session and corrective guidance
- Written knowledge review (formative
- Course summary and Q&A;
- Unit standard mapping and portfolio of evidence

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **12 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 24,400.00	**R 24,400.00**
1	In-House	R 32,900.00	**R 32,900.00**
1	On-Campus (Pretoria)	R 36,600.00	**R 36,600.00**

UPCOMING SESSIONS

Start	End	Method	Venue
02 Dec 2026	14 Dec 2026	On-Campus	Pretoria, South Africa
03 Dec 2026	15 Dec 2026	On-Campus	Dar es Salaam, Tanzania
04 Dec 2026	16 Dec 2026	On-Campus	Shenzhen, China
07 Dec 2026	17 Dec 2026	On-Campus	Kinshasa, DRC
08 Dec 2026	18 Dec 2026	On-Campus	Abu Dhabi, UAE
08 Dec 2026	18 Dec 2026	On-Campus	Bangkok, Thailand
09 Dec 2026	21 Dec 2026	On-Campus	Nairobi, Kenya
09 Dec 2026	21 Dec 2026	Online	—

Contact us if no suitable date is listed — on-demand sessions can be arranged for groups.

HOW TO GET A QUOTATION OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 115805) and click **Get A Quotation**. Select your training method and number of delegates — your quotation is generated immediately and emailed to you with the course brochure attached.
2. **Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to **apply@aaticd.co.za** — our team will reply with a formal quotation.
3. **Apply by phone or WhatsApp:** call **+27 12 004 8389** or WhatsApp **+27 65 077 6310** and we will prepare your quotation and reserve your seats.
4. **Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically — the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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