



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

Maintaining Mixing Apparatus For Application Agents Training

Agriculture and Nature Conservation / Secondary Agriculture

Unit Standard 114100 · NQF Level 4 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips learners with the skills and knowledge required to safely and effectively maintain mixing apparatus used for application agents in agricultural or industrial settings. Participants will learn to inspect, clean, calibrate, and perform routine maintenance on mixing equipment to ensure optimal performance and compliance with health and safety regulations.

Category	Agriculture and Nature Conservation
Subfield	Secondary Agriculture
Unit Standard	114100
Accreditation	SAQA Accredited · NQF Level 4 · 6 Credits
Duration	3 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate the ability to inspect mixing apparatus for wear, damage, and operational faults.
- Apply correct procedures for cleaning and sanitizing mixing equipment to prevent cross-contamination.
- Calibrate mixing apparatus to ensure accurate measurement and mixing ratios.
- Perform routine maintenance tasks such as lubrication, seal replacement, and filter cleaning.
- Evaluate safety protocols and implement corrective actions to mitigate risks during maintenance.
- Document maintenance activities and report equipment issues according to organizational procedures.

WHO SHOULD ATTEND

- This course is designed for operators, technicians, and maintenance personnel responsible for mixing apparatus used in the application of chemicals, fertilizers, or other agents in agricultural, horticultural, or industrial environments.

COURSE OUTLINE

Day 1: Introduction to Mixing Apparatus and Safety

- Overview of mixing apparatus: types, components, and applications
- Principles of mixing: agitation, shear, and flow patterns
- Safety regulations and personal protective equipment (PPE)
- Routine pre-operation checks and operator responsibilities
- Introduction to maintenance schedules and documentation

Day 2: Maintenance Procedures and Troubleshooting

- Detailed inspection of seals, bearings, and drive systems
- Lubrication schedules and lubricant selection
- Cleaning procedures for different agent types (e.g., viscous, corrosive)
- Diagnosing common problems: vibration, leaks, overheating
- Replacing wear parts: impellers, gaskets, belts

Day 3: Advanced Maintenance and Practical Integration

- Disassembly and reassembly of mixing heads and gearboxes
- Calibration of speed controls and timers
- Predictive maintenance: vibration analysis and thermography
- Documentation: maintenance logs, work orders, and compliance records
- Final assessment and feedback

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 **6 NQF credits** at **NQF Level 4**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 17,900.00	R 17,900.00
1	In-House	R 23,300.00	R 23,300.00
1	On-Campus (Pretoria)	R 26,800.00	R 26,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	12 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	12 Aug 2026	On-Campus	Dubai, UAE
11 Aug 2026	13 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	13 Aug 2026	On-Campus	Mauritius
12 Aug 2026	14 Aug 2026	On-Campus	Abu Dhabi, UAE
12 Aug 2026	14 Aug 2026	On-Campus	Cape Town, South Africa
17 Aug 2026	19 Aug 2026	On-Campus	Shenzhen, China
17 Aug 2026	19 Aug 2026	On-Campus	Pretoria, South Africa

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

HOW TO GET A QUOTE OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 114100) and click **Get A Quote / Apply**. 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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