



REITZ
LANDBOU AKADEMIE



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CONSERVATION AGRICULTURE SHORT COURSE

This short course forms the basis for learners to extend their learning into more specialised areas of conservation agriculture. It consists of four online modules and an experiential learning week in Reitz, Free-State.

Module 1:

Intro to Conservation Agriculture
Price: R3 900 (VAT excl.)

Module 2:

Agricultural Ecosystems, Biodiversity,
Soil Health and Climate Change
Price: R3 900 (VAT excl.)

Module 3:

Conservation agricultural practices,
innovations and technologies
Price: R3 900 (VAT excl.)

Module 4:

Precision Farming — Integration
and Business Management
Price: R3 900 (VAT excl.)

Experimental week option 1:

Hostel residency, meals and
transportation to venues included.
Price: R14 500 pp (VAT excl.)

Experimental week option 2:

Meals and transportation to venues
included.
Price: R12 500 pp (VAT excl.)

In collaboration with



For any enquiries or for more information contact:

Sumare Müller:

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CONSERVATION AGRICULTURE SHORT COURSE

Module 1:

Intro to Conservation Agriculture (online module)

- The principles underlying conservation agriculture (CA) and how it is distinguished from conventional agriculture is understood.
- The impact of agriculture on biodiversity and natural resources is explained.
- CA as an alternative agricultural production system for addressing the problems of conventional agriculture is discussed.
- Some examples of CA are named and briefly described.

Module 2:

Agricultural Ecosystems, Biodiversity, Soil Health and Climate Change (online module)

- Understand the concept of agricultural ecosystems and the significance of biodiversity in agricultural ecosystems.
- Emphasis is given to the importance of ecosystem services and the role of agriculture in ecosystem services.
- Techniques for monitoring agricultural ecosystems and indicators of the biodiversity of agricultural ecosystems are studied.
- This module also briefly deals with climate change and the effect of agriculture on climate change and vice versa.
- Climate change risks in the different biomes of South Africa are summarized.

Module 3:

Conservation agricultural practices, innovations and technologies (online module)

- Theoretical background for CA practices, technologies, tools and equipment needed to successfully implement CA on the farm.
- Understand the value of integrated planning in the implementation of CA.
- An overview of the tools and equipment used in CA.
- The importance of crop rotation and cover crops in CA.
- Crop and livestock integration and integrated pest and soil fertility management in CA systems are considered.
- This module also deals with the effective and efficient use of water on the farm.

Module 4:

Precision Farming — Integration and Business Management (online module)

- Theoretical knowledge to manage a CA farm as a financially viable enterprise within the CA industry.
- The profitability of CA compared to conventional agriculture.
- Crop production, labour productivity and the impact of CA practices on food security and soil and water conservation are considered in terms of promoting efficiency and productivity on the farm.
- Developing CA as a business and how to promote and market CA products.
- The best green energy options to meet the farm's energy needs in an affordable and sustainable way.