



AGRICULTURE AND AGRIBUSINESS

Crop Production Principles and Agronomy

5 day course

Classroom, online or in-house

Course overview

A crop yields what the most limiting factor allows, which means the fertiliser, the seed and the spray programme are all wasted if the plant population was wrong or the planting date missed the rain. This course works in that order of importance. Delegates work through crop growth stages and the periods at which yield is actually determined, since a stress at flowering costs far more than the same stress a month earlier. Land preparation and seedbed condition follow. Planting is covered in detail: date, plant population, row spacing and depth, and the establishment count that tells you whether the crop started well. Variety selection is addressed against season length, disease pressure and market requirement. Nutrition, water and weed competition are covered as the manageable limiting factors. Crop monitoring and scouting follow. Rotation and its effect on disease, weeds and soil are addressed. Harvest timing and losses are covered. The course closes on gross margin per hectare and on deciding what to change next season.

What you will learn

- Identify the growth stages at which yield is determined
- Prepare a seedbed appropriate to the crop and soil
- Set planting date, population, spacing and depth deliberately
- Assess establishment and act on a poor stand
- Select varieties against season, disease pressure and market
- Manage nutrition, water and weed competition as limiting factors
- Time harvest to limit loss and evaluate gross margin per hectare

Who should attend

- Farm managers and production supervisors
- Agronomists and field officers
- Extension staff advising crop farmers
- Agricultural input company technical staff
- Estate and outgrower scheme managers

Course outline

- 01 The most limiting factor decides
- 02 Growth stages and yield determination
- 03 Land preparation and seedbed condition
- 04 Planting date, population and depth
- 05 Establishment counts and poor stands
- 06 Variety selection
- 07 Nutrition, water and weed competition
- 08 Scouting, rotation, harvest timing and gross margin

Upcoming dates



Dates	Venue	Format	Fee per delegate
21 to 25 September 2026	Online	Online	R8,500
2 to 6 November 2026	Windhoek, Namibia	Classroom	R19,950
4 to 8 January 2027	Lusaka, Zambia	Classroom	USD 1,325
8 to 12 February 2027	Johannesburg, South Africa	Classroom	R19,950

Fees and how to register

This 5 day course is **R8,500** per delegate online, **R19,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 1,325** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriScience.co.za, or WhatsApp us on **+27 63 479 1136**.

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