



Australian Government

Assessment Requirements for AHCBAC404 Plan and implement agricultural crop maintenance

Release: 1

Assessment Requirements for AHCBA404 Plan and implement agricultural crop maintenance

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Performance Evidence

The candidate must be assessed on their ability to integrate and apply the performance requirements of this unit in a workplace setting. Performance must be demonstrated consistently over time and in a suitable range of contexts.

The candidate must provide evidence that they can:

- refer to records of, and assess, soil health and nutrient status
- dispatch soil samples to laboratories
- carry out a soil health appraisal
- identify likely threats to crop from pests, weeds and diseases
- recognise damage to crop caused by weeds, pests or diseases
- recognise poor growth and lack of vigour in crop caused by nutrient deficiency
- record monitoring results
- plan and implement integrated control strategies to address nutrient deficiencies, disease outbreaks, pest and weed infestations
- accurately measure soil moisture and estimate irrigation needs if required
- apply pesticides or fertility treatments as required
- apply correct use of technology to improve efficiency
- communicate with industry, suppliers and other personnel
- read and interpret Safety Data Sheets (SDSs), production plans and analysis results
- estimate and measure pest control treatments
- assess crop needs accurately
- carry out crop cultural practices and treatments
- monitor and assess crop maturity
- ascertain water requirements from survey advice and weather forecasts
- measure soil moisture and interpret data accurately
- determine time of harvest with specialist advice
- implement work health and safety policies in the context of the work team
- implement enterprise sustainability practices.

Knowledge Evidence

The candidate must demonstrate knowledge of:

- crop growth stages and keys
- crop growth requirements compared to soil nutrient status
- fertiliser and soil ameliorant types and application times, methods and rates
- chemical use if applicable
- factors leading to development of chemical resistance
- role of technology in improving efficiency
- integrated pest management strategies
- life-cycles of pest, diseases and weeds
- work health and safety legislative requirements
- relevant codes of practice with regard to the use and control of agricultural chemicals
- legislation and codes of practice with regard to environmental protection.

Assessment Conditions

Competency is to be assessed in the workplace or simulated environment that accurately reflects performance in a real workplace setting.

Assessors must satisfy current standards for RTOs.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>