



Australian Government

AHCSDP301 Undertake preparation of land for seed crop production

Release: 1

AHCSDP301 Undertake preparation of land for seed crop production

Modification History

Release	TP Version	Comment
1	AHCv1.0	Initial release

Application

This unit of competency describes the skills and knowledge required to prepare land for seed crop production. It applies to workers on properties where commercial seed production is undertaken. Workers operate with some judgement and discretion and work would normally be carried out under minimal supervision within enterprise requirements and procedures.

It applies to individuals who take responsibility for their own work and for the quality of the work of others. They use discretion and judgement in the selection, allocation and use of available resources. All work is carried out to comply with workplace procedures.

No occupational licensing, legislative or certification requirements are known to apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Seed production (SDP)

Elements and Performance Criteria

Element	Performance criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare for cultivation	1.1 Confirm work requirements from the planting plan 1.2 Determine the method of cultivation from the planting plan 1.3 Identify work health and safety hazards, assess risks and implement suitable controls 1.4 Select, use and maintain suitable personal protective equipment (PPE)

Element	Performance criteria
	1.5 Identify environmental implications of cultivating the site, assess likely outcomes and take responsible action
2. Prepare the cultivating equipment	2.1 Clean and inspect vehicles, machinery and equipment according to certified seed production procedures 2.2 Service and adjust vehicles and equipment for the conditions and replace worn parts 2.3 Dispose of all containers, leftover fluids, waste and debris from the maintenance and servicing work 2.4 Record maintenance and servicing
3. Cultivate soil	3.1 Remove, incorporate or burn previous crop debris 3.2 Follow and complete the cultivation plan for each paddock 3.3 Select, use and maintain suitable personal protective equipment (PPE) 3.4 Operate vehicles and equipment in a safe, effective and efficient manner at speeds to suit the conditions 3.5 Ensure the quality of cultivation is maximised by continually checking and adjusting the vehicles and equipment as necessary 3.5 Meet all timelines, resource and quality requirements of the planting plan
4. Prepare site for planting	4.1 Complete the planting layout as required by the planting plan 4.2 Undertake weed and pest control as required 4.3 Apply fertilisers, ameliorants, and/or other pre-planting treatments as required 4.4 Identify the environmental implications of site preparation, assess likely outcomes and, if necessary, take responsible action
5. Complete land preparation operations	5.1 Clean and store machinery and equipment according to manufacturer specifications, organisational procedures and regulations 5.2 Dispose of all containers, leftover fluids, waste and debris from the cleaning and maintenance work 5.3 Complete all required records and documentation accurately and promptly

Foundation Skills

Foundation Skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Unit Mapping Information

This unit is equivalent to AHCSDP301A Undertake preparation of land for seed crop production.

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for AHCSDP301 Undertake preparation of land for seed crop production

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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:

- prepare for cultivation
- complete pre- and post-operational checks on tools, vehicles and equipment
- interpret production or planting plans
- produce standards, quality specifications and work procedure documents
- measure materials and site plan specifications
- cultivate soil in accordance with paddock cultivation plans
- service, operate, adjust and calibrate cultivation equipment safely
- complete records and documentation accurately and promptly

Knowledge Evidence

The candidate must demonstrate knowledge of:

- principles and practices for preparing land for seed crop production
 - pre-planting treatments, their purpose and method of application
 - environmental issues of cultivating soil for planting, such as drainage and irrigation systems, soil amelioration and waste disposal procedures
 - methods of cultivating a range of soil types
 - operation and maintenance of planting equipment
 - procedures and standards for certified seed
 - work health and safety guidelines, procedures and principles, including manual handling and exposure to hazardous substances

Assessment Conditions

Assessors must satisfy current standards for RTOs.

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