**Sample Assessment Outline**

Plant Production Systems

ATAR Year 12

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# Sample assessment outline

# Plant Production Systems – ATAR Year 12

## Unit 3 and Unit 4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assessment  type** | **Assessment type  weighting** | **Assessment**  **task**  **weighting** | **When** | **Assessment task** |
| Investigation | 10% | 10% | Semester 1  Week 5 | **Task 2:** Investigating transpiration – students investigate some of the factors that affect the rate of transpiration |
| Production project | 20% | 5% | Semester 1  Week 7 | **Task 3:** Fertiliser program for a plant enterprise – students develop a fertiliser plan for a selected plant enterprise |
| 5% | Semester 1  Week 12 | **Task 5:** Control program for a plant weed – students identify a weed pest for a selected plant and compare the effectiveness of different control methods |
| 5% | Semester 2  Week 6 | **Task 9:** Breeding plants for a changed climate – students identify a plant trait to improve a plant’s capacity to cope with climate change and develop a breeding plan for the trait |
| 2.5% | Semester 2  Week 10 | **Task 11:** Production and Marketing Decisions – students choose an international wheat market, identify a wheat variety suited to the chosen market, and budget to produce a crop for the market |
| 2.5% | Semester 2  Week 12 | **Task 12:** New technology – students plan for the use of a new technology to improve farming practice and explain how it will affect farming practice |
| Test | 20% | 4% | Semester 1  Week 4 | **Task 1:** Systems ecologytest |
| 4% | Semester 1  Week 11 | **Task 4:** Plant structure and function and Plant environment test |
| 4% | Semester 1  Week 14 | **Task 6:** Plant health test |
| 4% | Semester 2  Week 4 | **Task 8:** Sustainable production test |
| 4% | Semester 2  Week 7 | **Task 10:** Breeding and improvement test |
| Examination | 50% | 20% | Examination week | **Task 7:** Semester 1 Examination |
| 30% | Examination week | **Task 13:** Semester 2 Examination |
| **Total** | **100%** | **100%** |  |  |