

SEED SOURCING

NAME: _____

COURSE: _____

DATE: _____

**THEME: SEED AND PLANT PRODUCTION AREAS & GENETIC ISSUES
(SEED SOURCING)**

To complete this worksheet you will need to

- Watch the 'Seed Sourcing' themed videos on [regenTV](#), including the [Mt Annan Seed Production Area](#) and Greening Australia's [Cumberland Plain Seed Production Area](#)
- Read the regenTV information sheet on Seed and Plant Production Areas & Genetic Issues
- Refer to the [National Standards for the Practice of Ecological Restoration in Australia-](#)
 - [Seed Production Areas for Ecological Restoration](#) and
 - [Principle 1-Ecological restoration practice is based on an appropriate local indigenous reference ecosystem](#)

ACTIVITY 1

Seed Production Areas (SPA) can be established for a variety of reasons.

Provide 4 reasons the SPAs were established at the Mt Annan Botanic Gardens and Greening Australia's (GA) University of Western Sydney site?

Botanic Gardens-Mt Annan	Greening Australia- Cumberland Plain

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ACTIVITY 2

There are several standards listed on the SERA website for SPAs to ensure genetically diverse, vigorous, healthy, viable and resilient seed for restoration works.

2A: From which stratum (trees, shrubs, groundcovers) are the main species produced in the seed production areas at Mt Annan and GA's Cumberland Plain facility derived - and why?

2B: Name two species and the density at which they are being sown in the SPA at Mt Annan.

2C: At Mt Annan, what information does their germination testing provide?

2D: What was preventing the *Hibbertia* setting seed at GA's Cumberland Plain facility and how was it remedied?

2E: How has GA ensured maximum production at their SPA and list their harvesting techniques?

2F: List three techniques GA uses to ensure healthy and vigorous seedlings/crops?

- 1.
- 2.
- 3.

QUESTION 3

Seed Production Areas require secure land tenure and significant investment in infrastructure, machinery and labour.

List four (4) costs that were associated with setting up the SPA at Mt Annan?

- 1.
- 2.
- 3.
- 4.