



Webinar 2 Part 1 – Seed

John Olliff 25th March 2025

Seed

Definition

- Generally described as the clove you plant taken from a bulb you have grown or purchased.
- Mostly vegetive reproduction, that is the seed you plant is a reproduction of the parent bulb.
- Seed can be grown from bulbils from the scape in hardnecks or the pseduostem in Artichokes (other softnecks are said to be weakly bolting)



Seed Selection

Vegetive or asexual reproduction carries virus and diseases from your past crop to your future crop



Seed Selection

- Note in the paddock your healthiest plants
- Talk with the grower for their assessment



Seed

Selection

Inspect the basal plate



Look for discolouration



Seed Selection

- Inspect closely the firmness and confirmation of the clove
- Select some cloves and peel back the skins



Seed

Selection

- Tony Napier 2011 (then of NSW DPI) found a direct correlation between the size of clove and bulb size
- Supported by work done by Steve Harper Qld University
 - By selecting his largest cloves, Steve turned a yield of 6.3 t /ha in 2013 to a 13 t/ha yield in 2017



Seed

Pre planting actions

- Dipping and/or soaking cloves likely to reduce the incident and severity of disease in garlic crops, use of
 - Tricoderma and bacillius
 - Tebuconazole
 - Alcohol (insect pest)
 - Mycorrhizal fungi
- Pre planting cultural practice
 - Crop rotation
 - Use of green manure, specifically incorporating a brassica



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