





Soybean production into the future



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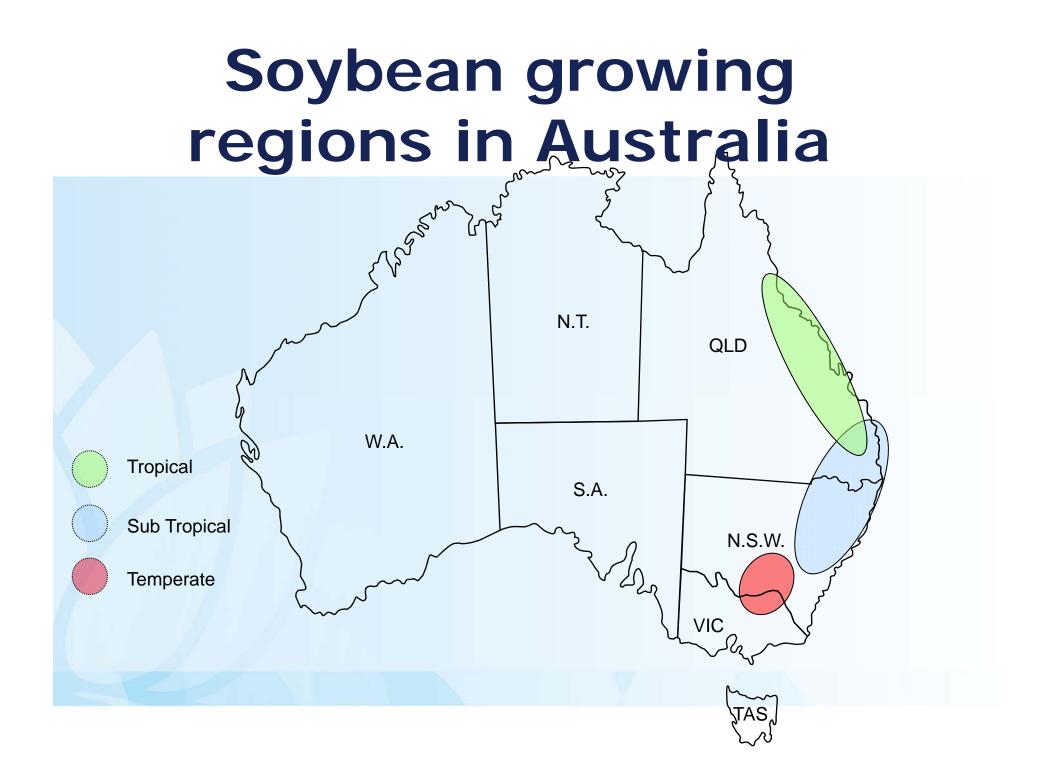
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Soybeans

- Production in Australia
- Breeding in Australia
- Varieties in the southern growing region
- Agronomy research in the southern growing region

Soybean Production in Australia

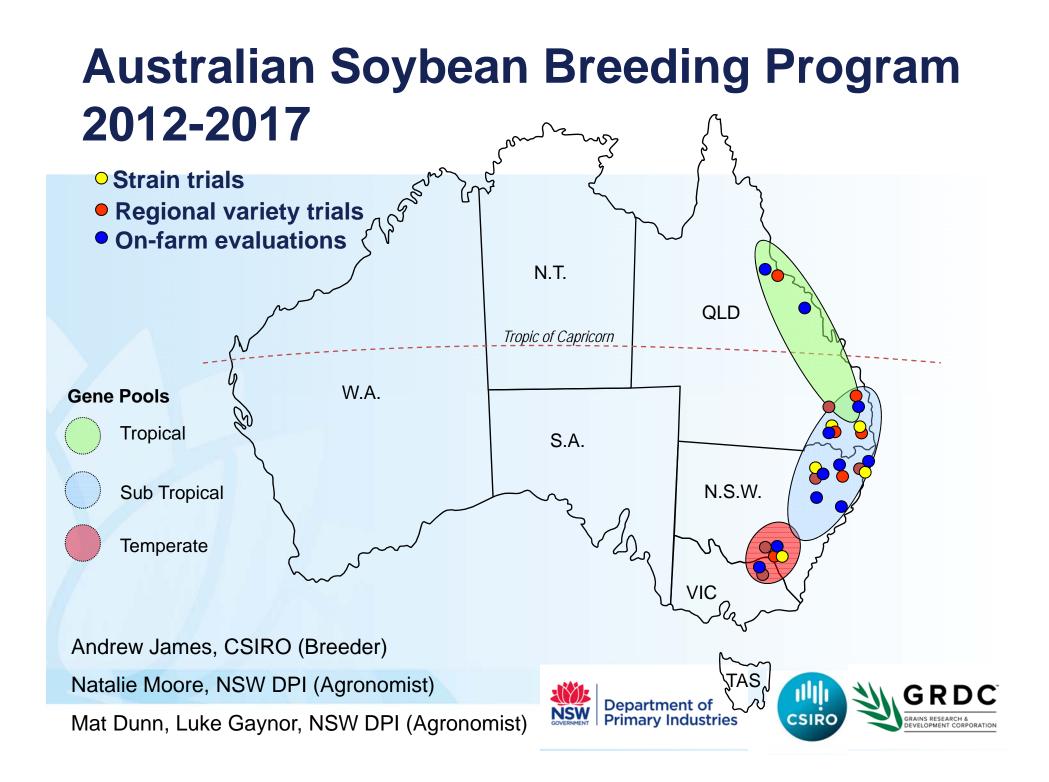




The benefits of soybeans in farming systems

- Nitrogen fixation
- Allows for double cropping
- Pest and disease break





Australian Soybean Breeding Program 2012-2017 target traits

Maintenance traits

- Yield & superior agronomic traits
- Maturity
- Weathering tolerance
- Shattering resistance

Disease resistance traits

- Bacterial blight
- Downy Mildew
- Phytophthora root rot
- Sclerotinia stem rot

Soymilk, tofu and flour traits

- Hilum colour
- Seed size
- Seed protein
- Milk yield
- Tofu gelling

Current traits

- Leaf rust resistance
- 11sA4 nulls
- Broader adaption to latitude
- Higher value culinary/ industry traits

Future traits

- Removal of allergens
- Sucrose accumulators
- Protein globulins
- Aphid resistance
- Sulfonylurea tolerance



Department of Primary Industries



Hilum colour



11sA4 null



Sulfonylurea tolerance



Soybean varieties in Southern Australia

Djakal

- High yielding
- Lower protein
- Brown hilum

Snowy

- Lower yielding
 - High protein
 - Clear hilum

N005A-80

Benefits over Snowy:

- 22% higher grain yield
- 1.5% higher protein
- 6.5% larger seed
- Stronger lodging resistance
- Slightly quicker to mature



Soybean Agronomy research in Southern NSW

- Optimising time of sowing
- Optimising seeding rates
- Powdery mildew disease management
- Overhead irrigation

Thank you for listening







