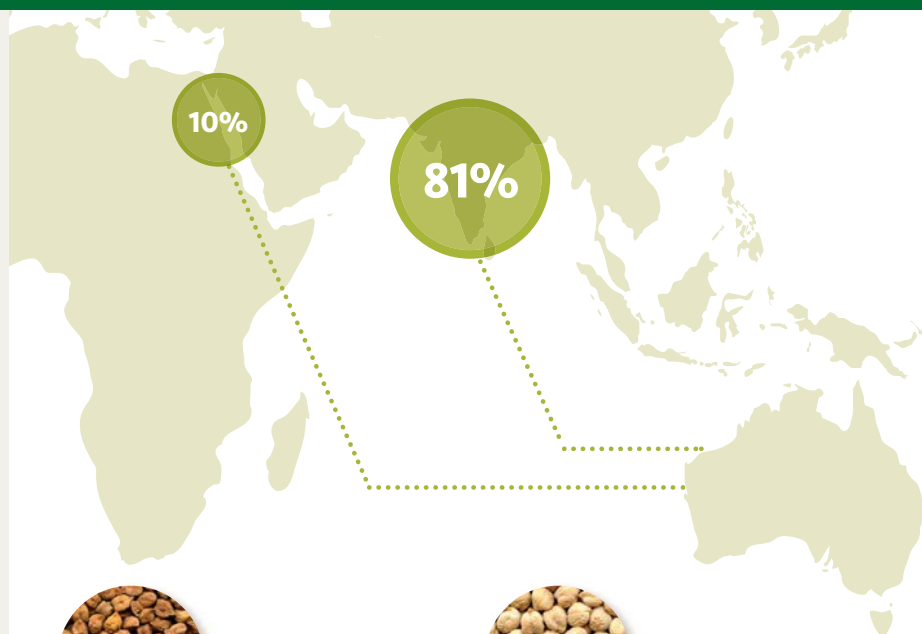


Chickpea



Australian Export Market



5 year average exported
650,000 tonnes

Export value
\$392 million

95% exported
Other destinations include
Asia, North America & Europe

Australia is the world's
largest exporter of desi chickpea



Breeding Objectives



Pulse Breeding Australia (PBA) aims to increase high quality chickpea production through:

- Specific adaptation to agro-climatic regions
- Improved agronomics & yield potential
- Improved disease resistance



Superior marketing qualities include:

Superior seed coat colour

High splitting efficiency



Large & uniform seed size



Faba Bean



Australian Export Market



Egypt is the single largest importer with a 3 year average demand of **218,000 tonnes**

5 year average exported **307,000 tonnes**

Export value **\$168 million**

92% exported
Major destinations are the Middle East & North Africa

Australia is the world's **leading exporter of faba bean**



Breeding Objectives



Pulse Breeding Australia (PBA) aims to increase high quality faba bean production through:

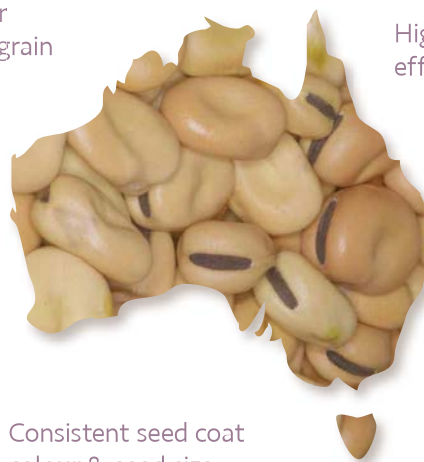
- Regional adaptation
- High yielding
- Improved disease resistance
- Enhanced agronomic traits



Superior marketing qualities include:

Superior quality grain

High splitting efficiency

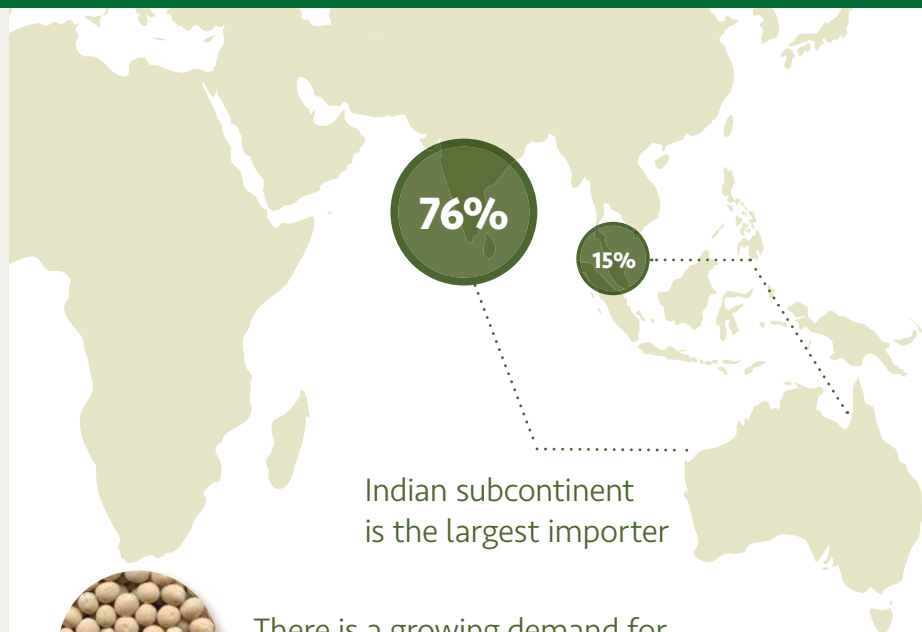


Consistent seed coat colour & seed size





Australian Export Market



There is a growing demand for
white field pea in Asia

5 year average exported
198,000 tonnes

Export value
\$87 million

50% exported

Other destinations include
Africa, Pacific & Europe

Australia is the world's
**leading exporter of
dun type field pea**



Breeding Objectives



Pulse Breeding Australia (PBA)
aims to increase high quality field
pea production through:

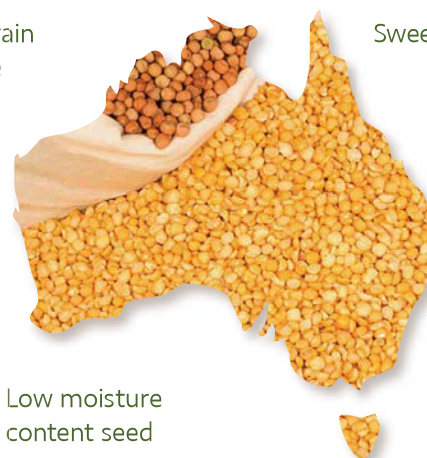
- Regional adaptation
- High yielding
- Improved disease resistance
- Enhanced agronomic traits



Superior marketing qualities include:

Long grain
storage

Sweet tasting



Low moisture
content seed



Australian Export Market



90% of production
is the red lentil with expanding
green & specialty types

5 year average exported
292,000 tonnes

Export value
\$201 million

95% exported
Other destinations include
Africa, Asia & Europe

Indian subcontinent is
the largest importer of
Australian red lentil



Breeding Objectives



Pulse Breeding Australia (PBA)
aims to increase high quality red
& green lentil varieties production
through:

- Improved yield potential & regional adaptation
- Improved disease resistance & tolerance to toxic levels of salt & boron
- Red lentils are bred for consistent grey seed coat colour



Superior marketing qualities include:

Bright seed colour
& high quality

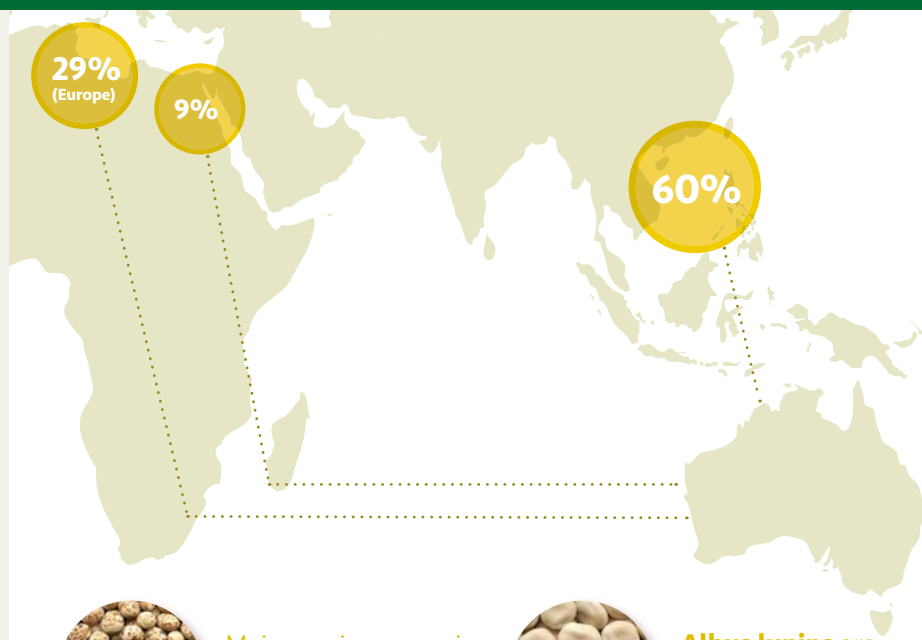
Fast & consistent
cooking time



Uniform seed size
& splitting



Australian Export Market



5 year average exported
317,000 tonnes

Export value
\$114 million

50% exported
Other destinations include
North Africa & North America



Main species grown is
Australian sweet lupin
(*L. angustifolius*)



Albus lupins are
marketed to North
Africa as a snack food

80% of production
is in Western Australia



Breeding Objectives



Pulse Breeding Australia (PBA) aims to increase high quality sweet lupin varieties production through:

- Improved yield potential & herbicide tolerance
- Improved dehulling efficiency



Superior marketing qualities include:

High protein
content

Low toxins
(*phomopsis*)



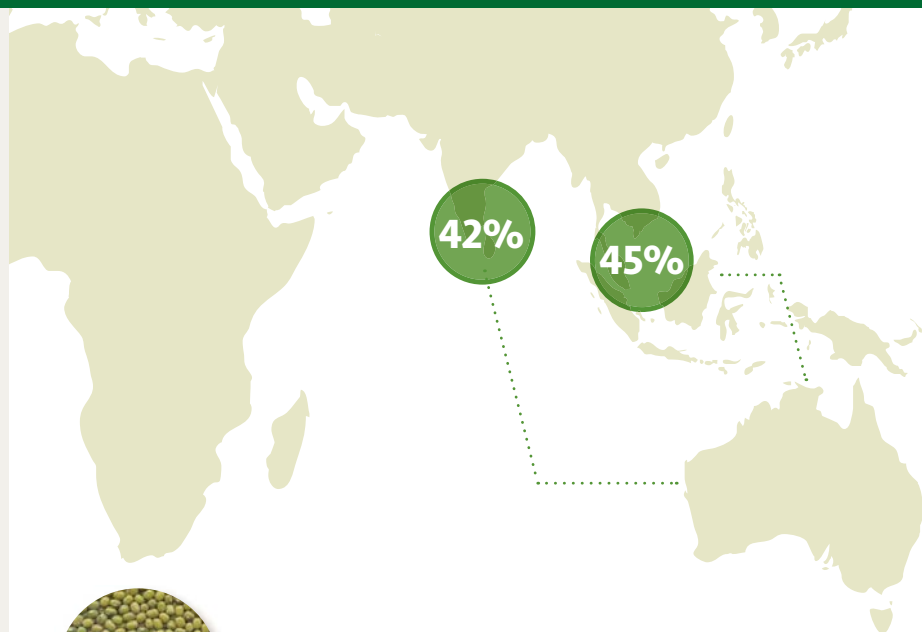
Low alkaloid (bitterness)

THE AUSTRALIAN INDUSTRY

Mungbean



Australian Export Market



5 year average exported
76,000 tonnes

Export value
\$86 million

90% exported
Other destinations include
North America, Europe & the
Middle East



Australia primarily exports **large seeded
shiny green mungbean**

Australia exports the
highest quality grain



Breeding Objectives



Australian Mungbean Association (AMA) aims to maximise productivity & quality in Australian dryland & irrigation farming systems:

- High yielding
- Uniformity of flowering & maturity
- Disease resistance & plant architecture



Superior marketing qualities include:

Shiny green coat

Uniform
seed size



Highest level
of food safety