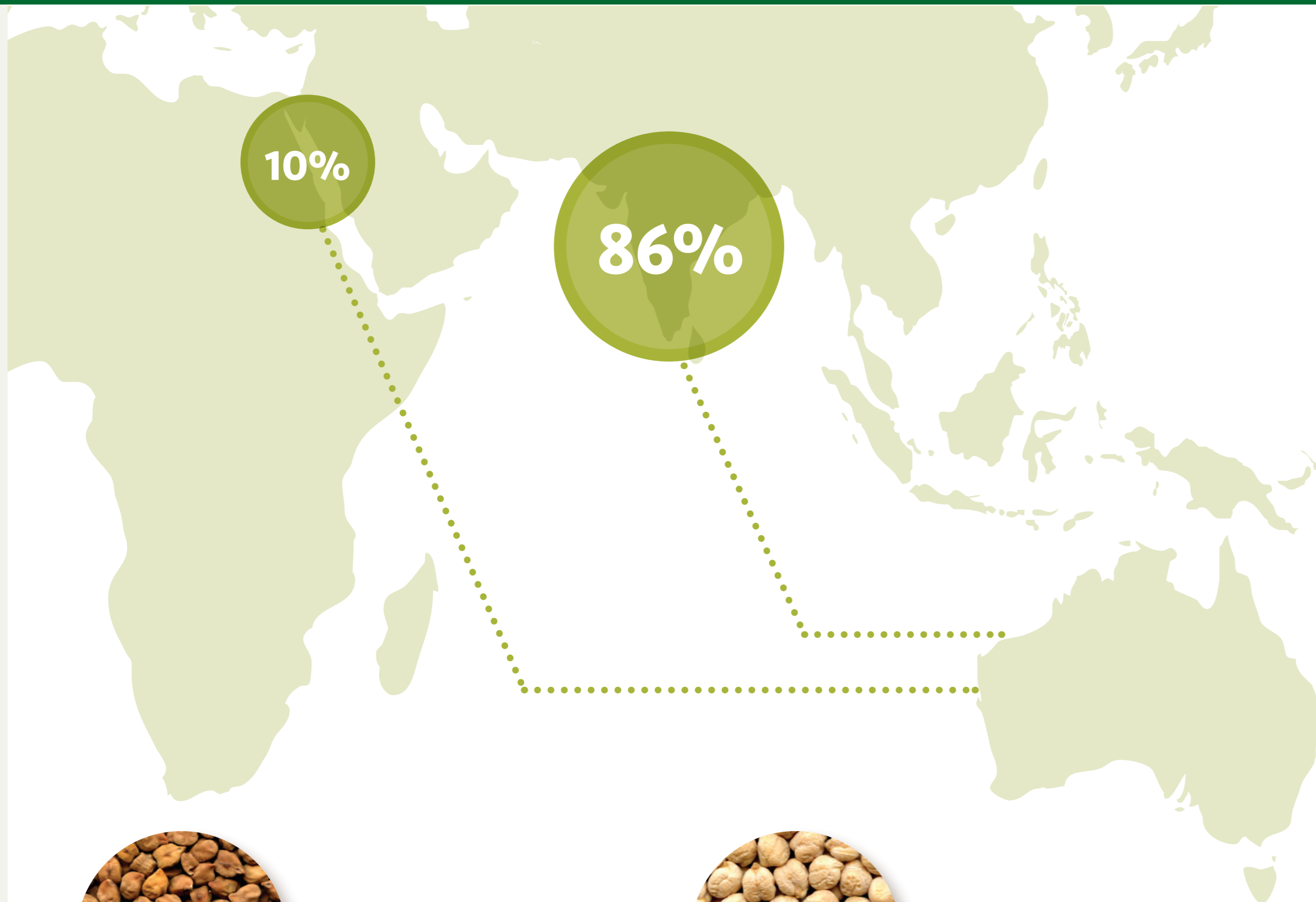




Australian Export Market



5 year average exported **915,100 tonnes**

Export value **\$820 million**

95% exported

Other destinations include Asia, North America & Europe

Australia is the world's **largest exporter of desi chickpea**



Desi chickpea **90%** of production



Kabuli chickpea **10%** of production

Breeding Objectives



Chickpea breeders aim 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



Australian Export Market



5 year average exported
364,300 tonnes

Export value
\$215 million

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

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



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

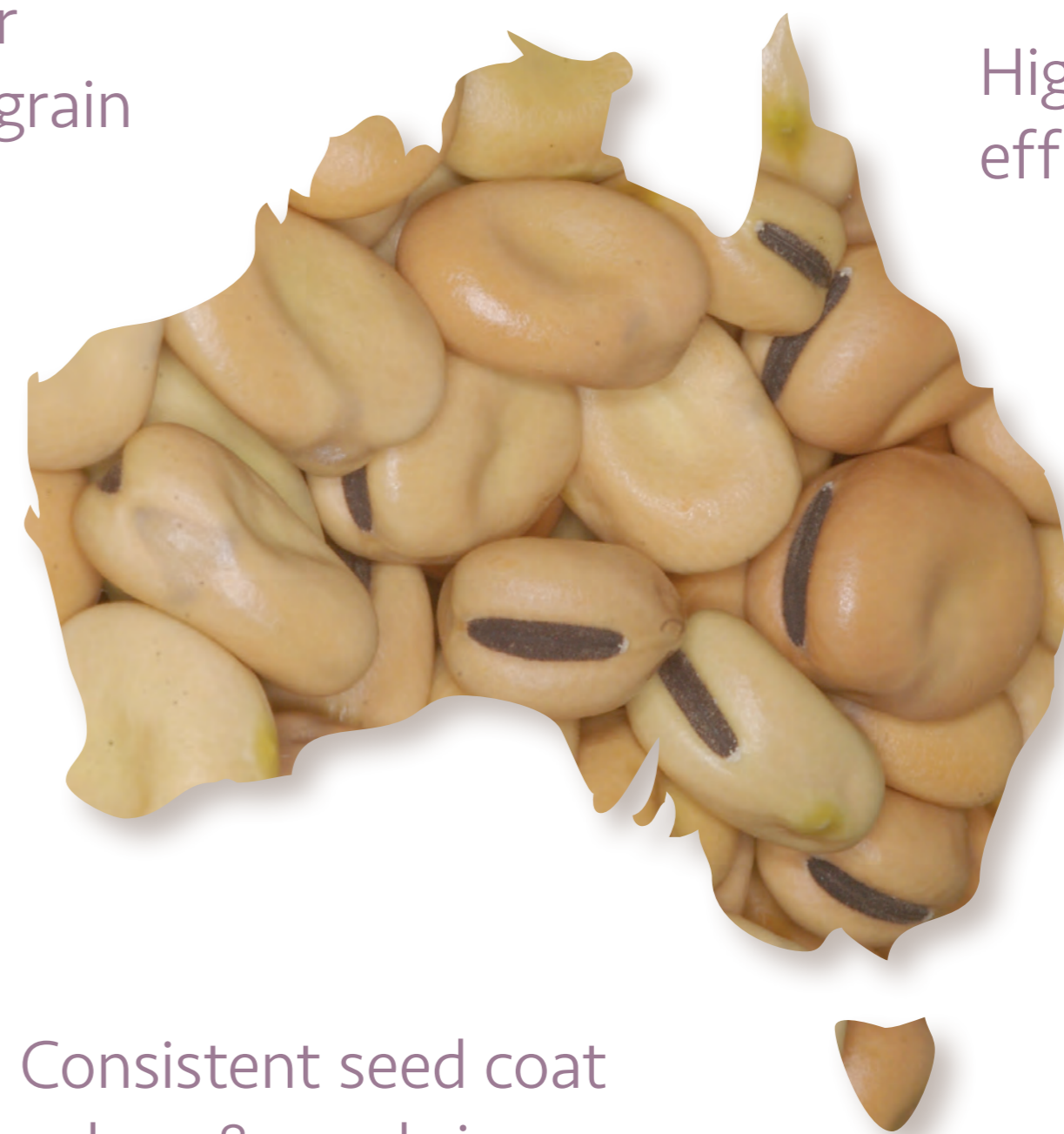
Breeding Objectives



Superior marketing qualities include:

Superior
quality grain

High splitting
efficiency



Consistent seed coat
colour & seed size

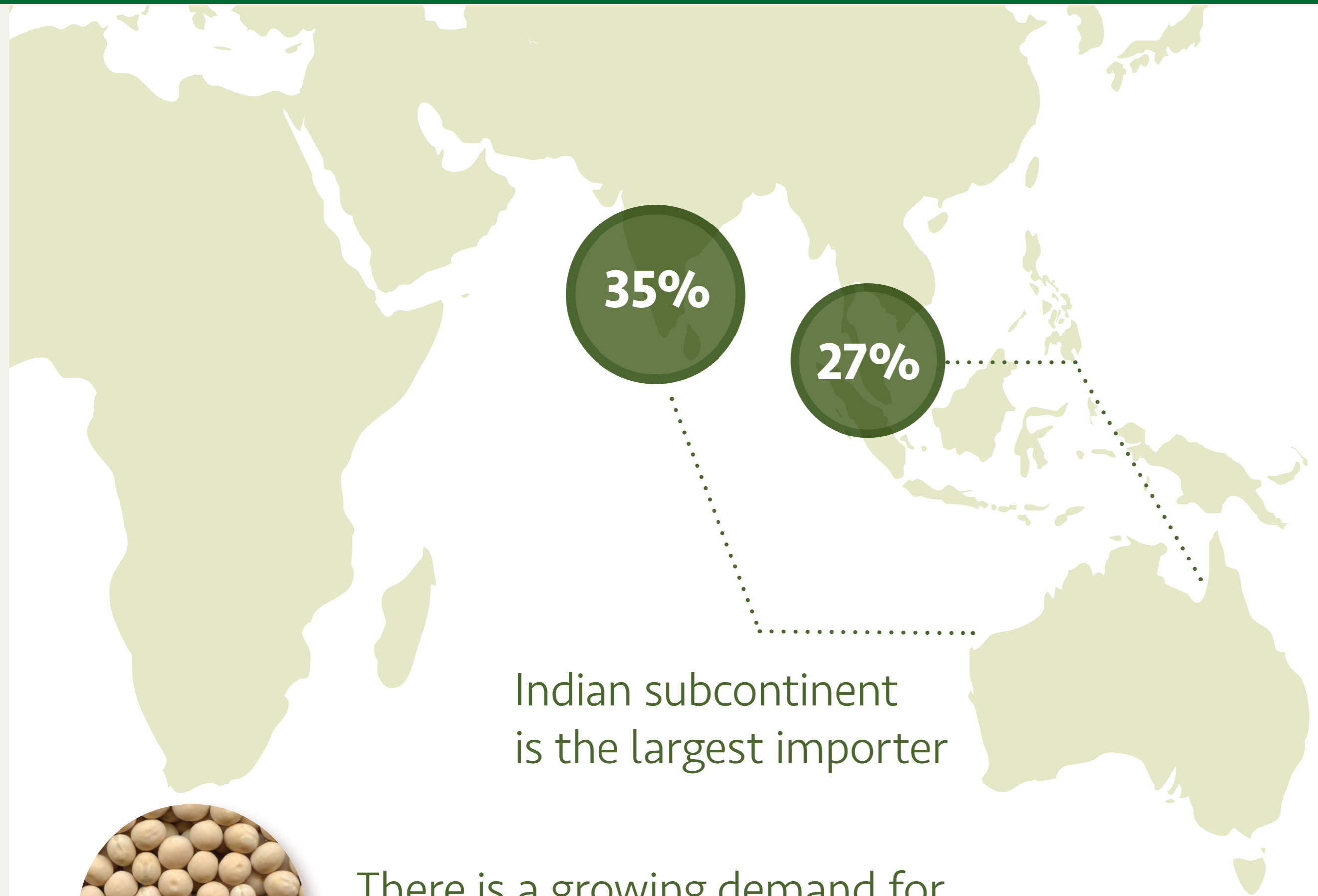
Faba bean breeders aim to
increase high quality faba bean
production through:

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





Australian Export Market



5 year average exported
122,200 tonnes

Export value
\$61 million

50% exported

Other destinations include
Africa, Pacific & Europe

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



There is a growing demand for
white field pea in Asia



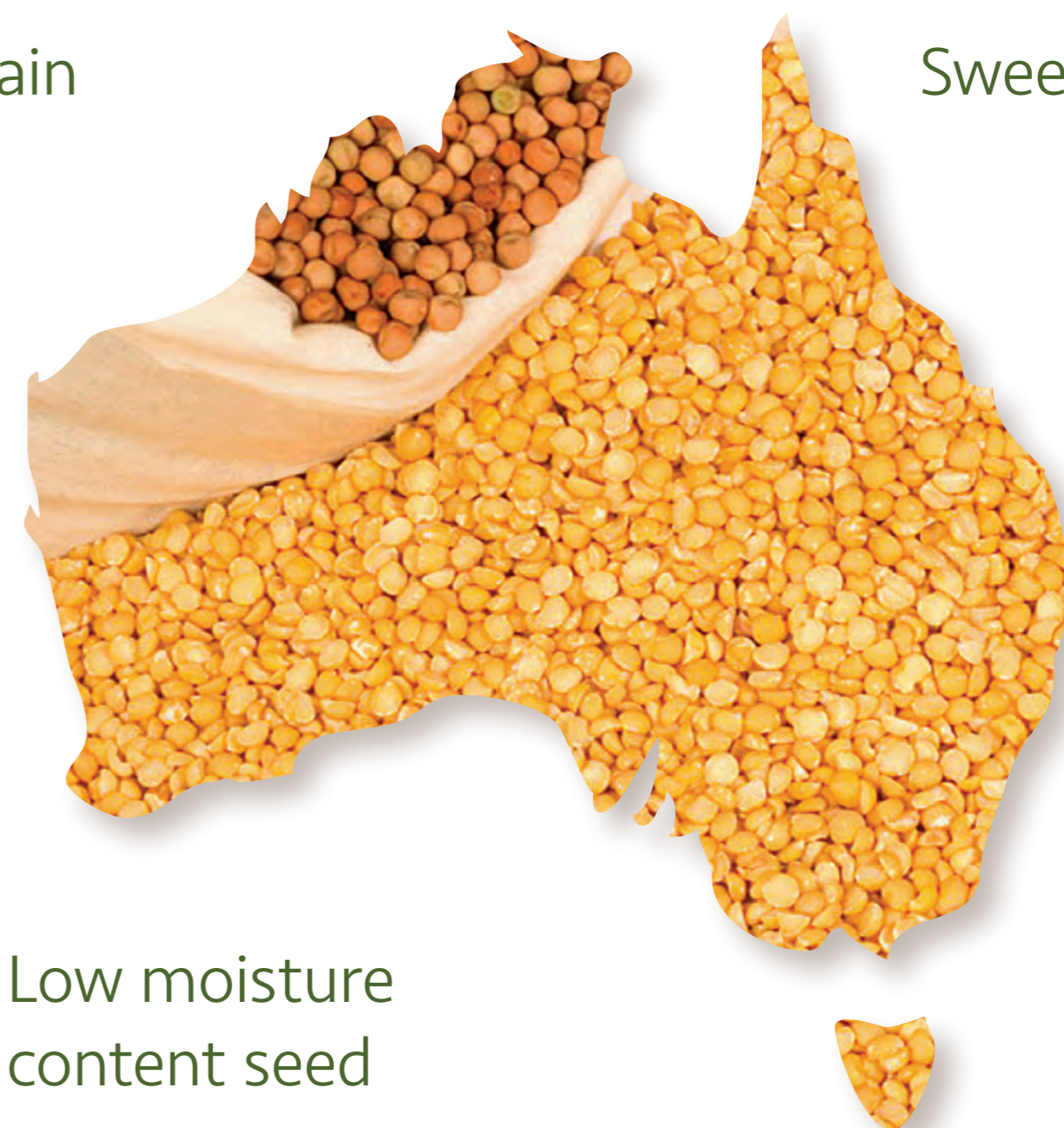
Breeding Objectives



Superior marketing qualities include:

Long grain
storage

Sweet tasting



Low moisture
content seed

Field pea breeders aim to increase
high quality field pea production
through:

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





Australian Export Market



5 year average exported
619,800 tonnes

Export value
\$437 million

95% exported
Other destinations include
Africa, Asia & Europe

Indian subcontinent is
the largest importer of
Australian red lentil



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



Breeding Objectives



Superior marketing qualities include:

Bright seed colour
& high quality

Fast & consistent
cooking time



Uniform seed size
& splitting

Lentil breeders aim 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





Australian Export Market

53%

36%

5 year average exported
80,500 tonnes

Export value
\$101 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



Mungbean breeders aim 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



Australian Export Market



5 year average exported
342,300 tonnes

Export value
\$140 million

50% exported
Other destinations include
North Africa & North America

80% of production
is in Western Australia



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



Albus lupins are
marketed to North
Africa as a snack food



Breeding Objectives



Lupin breeders aim 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)