



AUSTRALIAN
SUSTAINABLE ALMONDS
PROGRAM



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almonds
ALMOND BOARD OF AUSTRALIA

Opportunities for Hydrogen with the Australian Almond Industry



Mallee Regional
Innovation Centre

Hydrogen in the Mallee
Mallee Hydrogen Technology Cluster

3 & 4 August 2021



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AUSTRALIAN PRODUCTION BY STATE (KWE)



Total production for 2020-21 was 114,427 tonnes of kernel

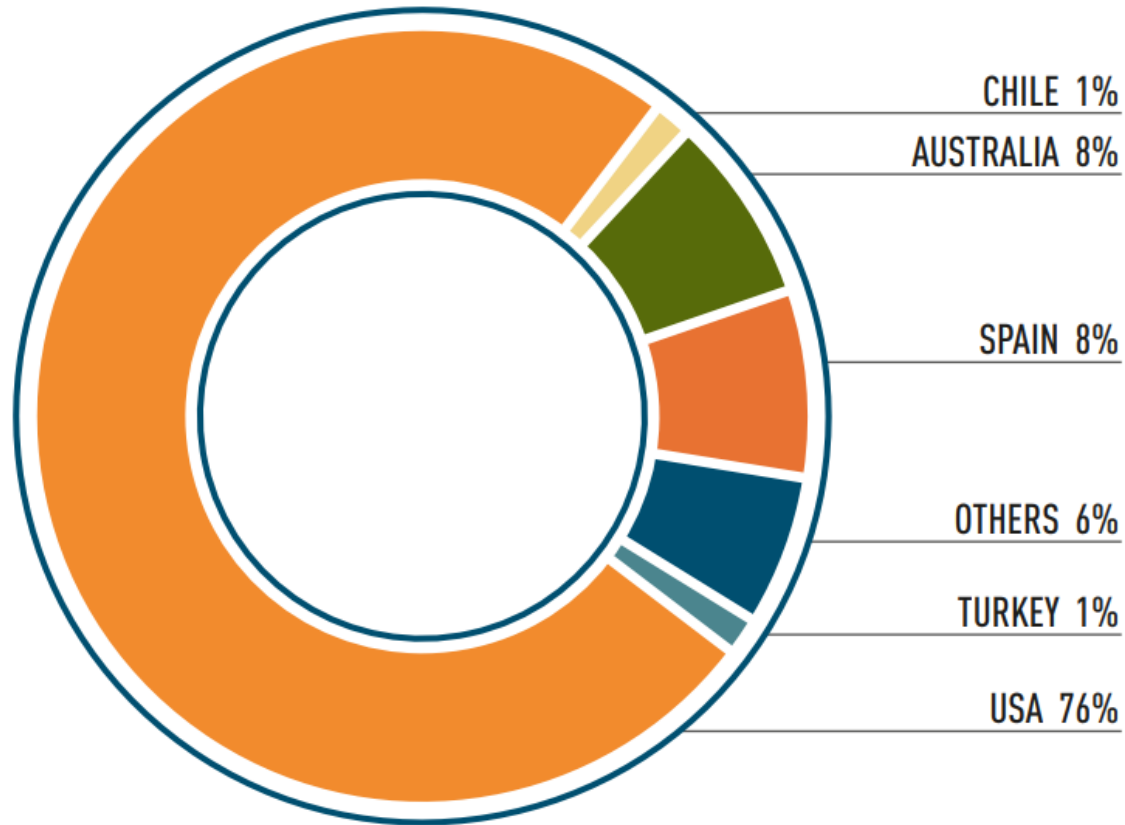


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GLOBAL PRODUCTION



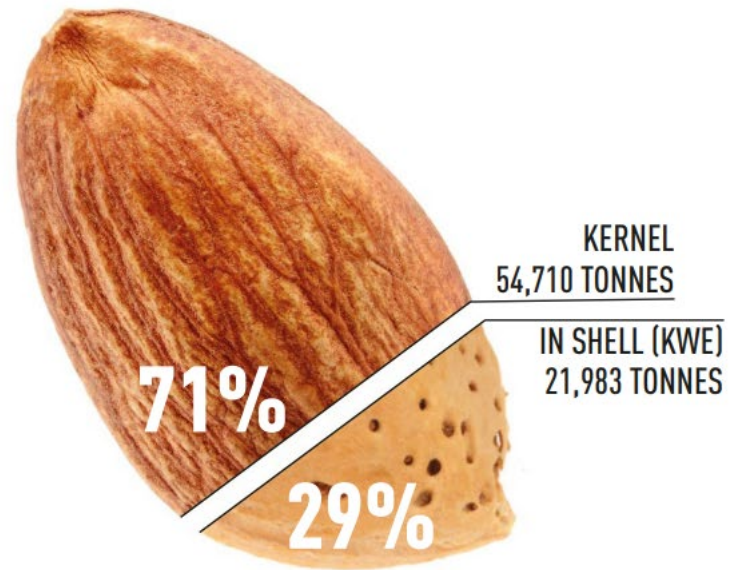


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AUSTRALIAN ALMOND EXPORTS BY TYPE (MARKETING YEAR)



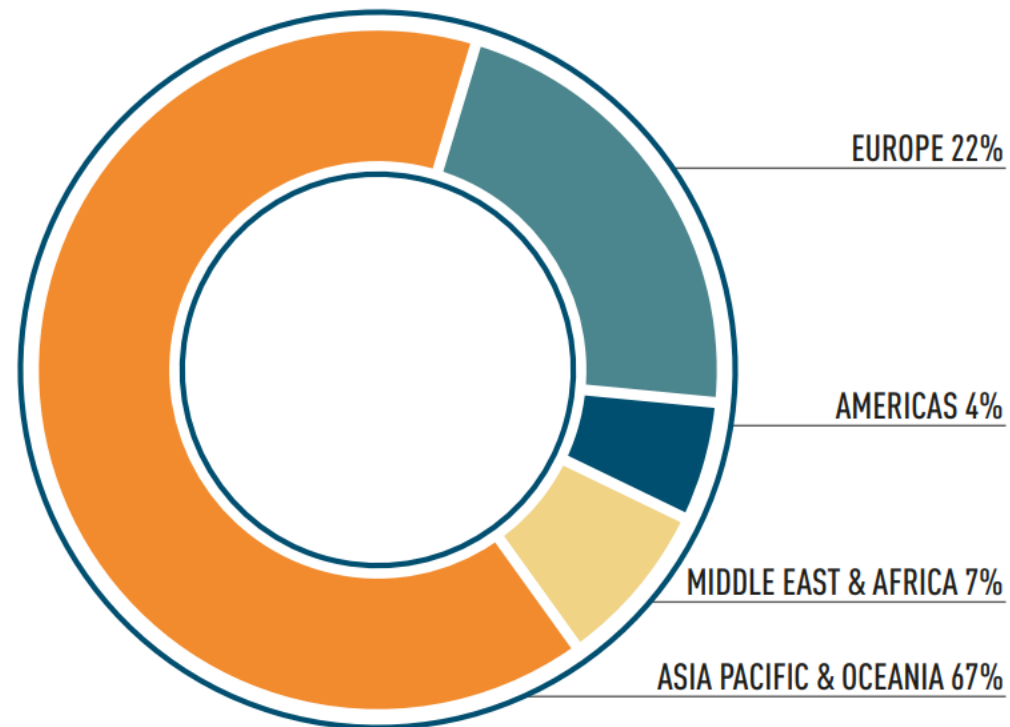


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AUSTRALIAN ALMOND EXPORTS BY REGION (MARKETING YEAR)





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AUSTRALIAN TREE NUT PRODUCTION





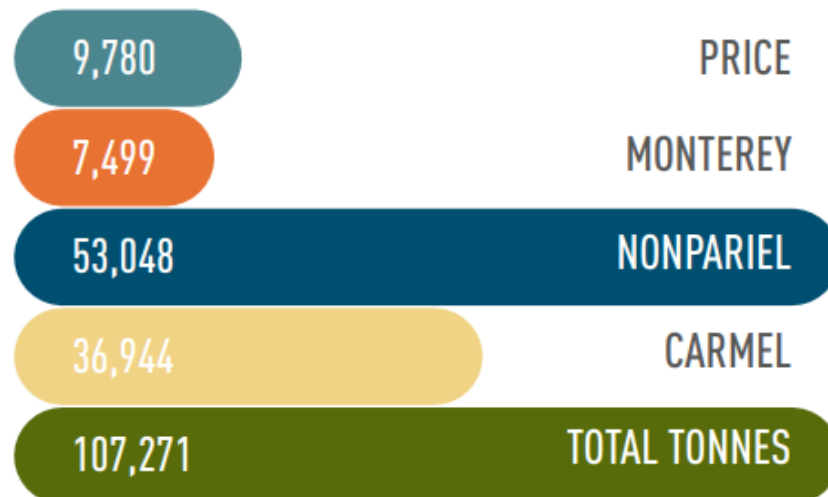
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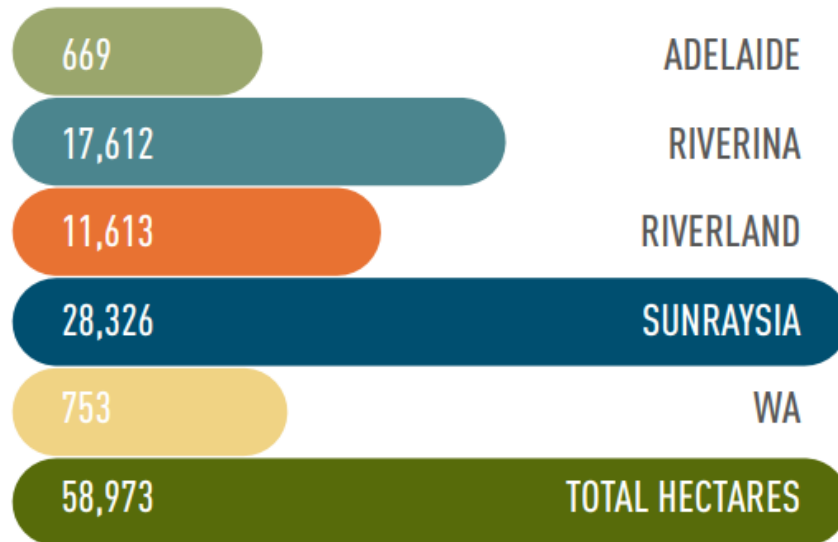
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AUSTRALIAN PRODUCTION BY VARIETY



PLANTED AREA BY REGION (HA)



**Plantings in Victoria are
48% of Australian almonds**



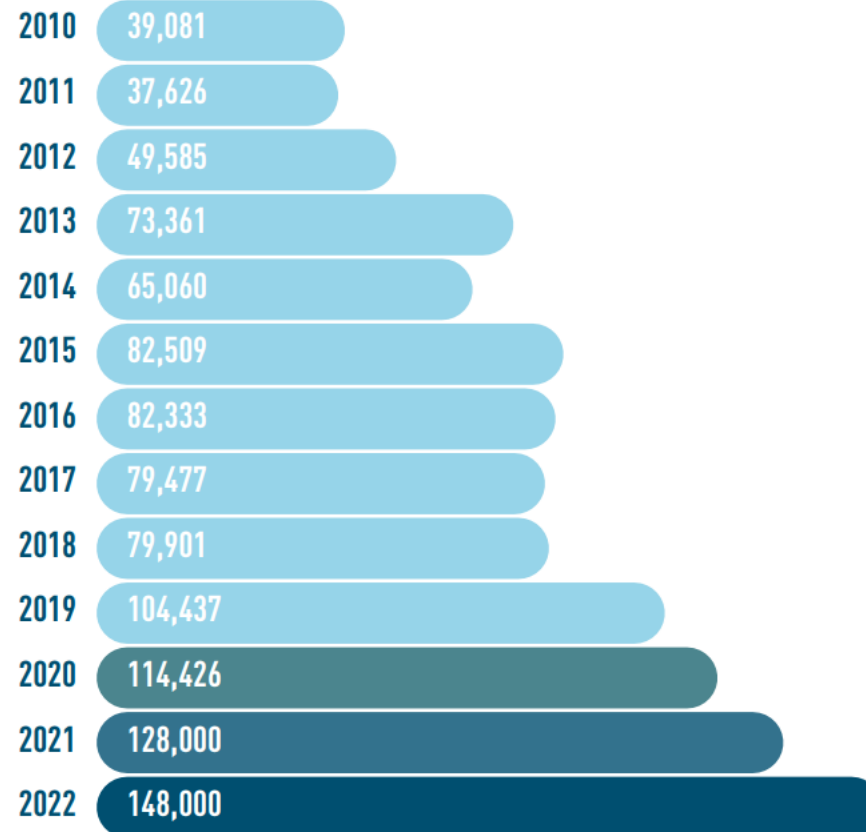
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AUSTRALIAN PRODUCTION (KERNEL WEIGHT EQUIVALENT TONNES)



Forecast production growth to 2025:

Kernel: 187,000 tonnes
Hull & Shell: 500,000 tonnes

**Note: hull and shell is sold as stockfeed
and not wasted**

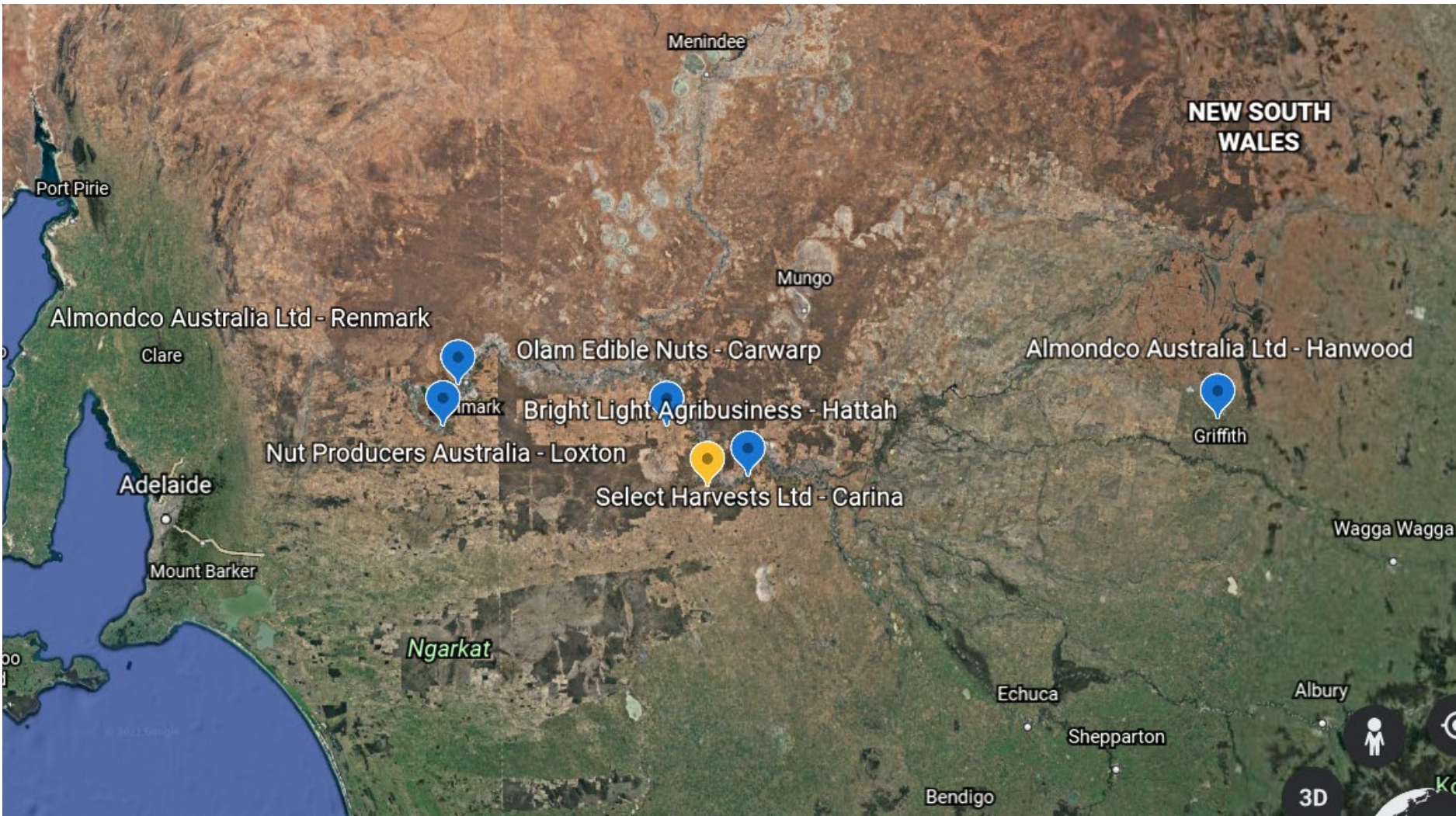




Victorian forecast production growth to 2025:

Kernel:	90,000 tonnes
Hull & Shell:	240,000 tonnes





**Almond
Processors
nationally**



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Almond Processors in Victoria



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Nourish & Nurture

Food to nourish people
Plants to nurture communities
Safe, traceable, quality

People & Enterprise

Productive, profitable growers
Safe & ethical work
Leadership & governance
Innovation
Thriving communities
Trade & economic value

Planet & Resources

Water
Landscapes
Climate
Energy
Biosecurity

Less waste

Food waste
Packaging
Farm waste

Australian Almonds' Sustainability Framework is being developed from the Horticulture Sustainability program



Re: Climate and Energy:

Australian almond industry need to understand its carbon footprint

Seeking to undertake a Lifecycle Assessment





Re: Hull & Shell

Looking at opportunities to add-value

Understanding the logistical and storage issues with increased hull & shell volume

Opportunities include: converting hull & shell to liquid fertilizer;
manufacturing into plastic



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Discussion:

Opportunities for hydrogen production for the Australian almond industry

Current situation: need for some clarity around the economics for growers



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