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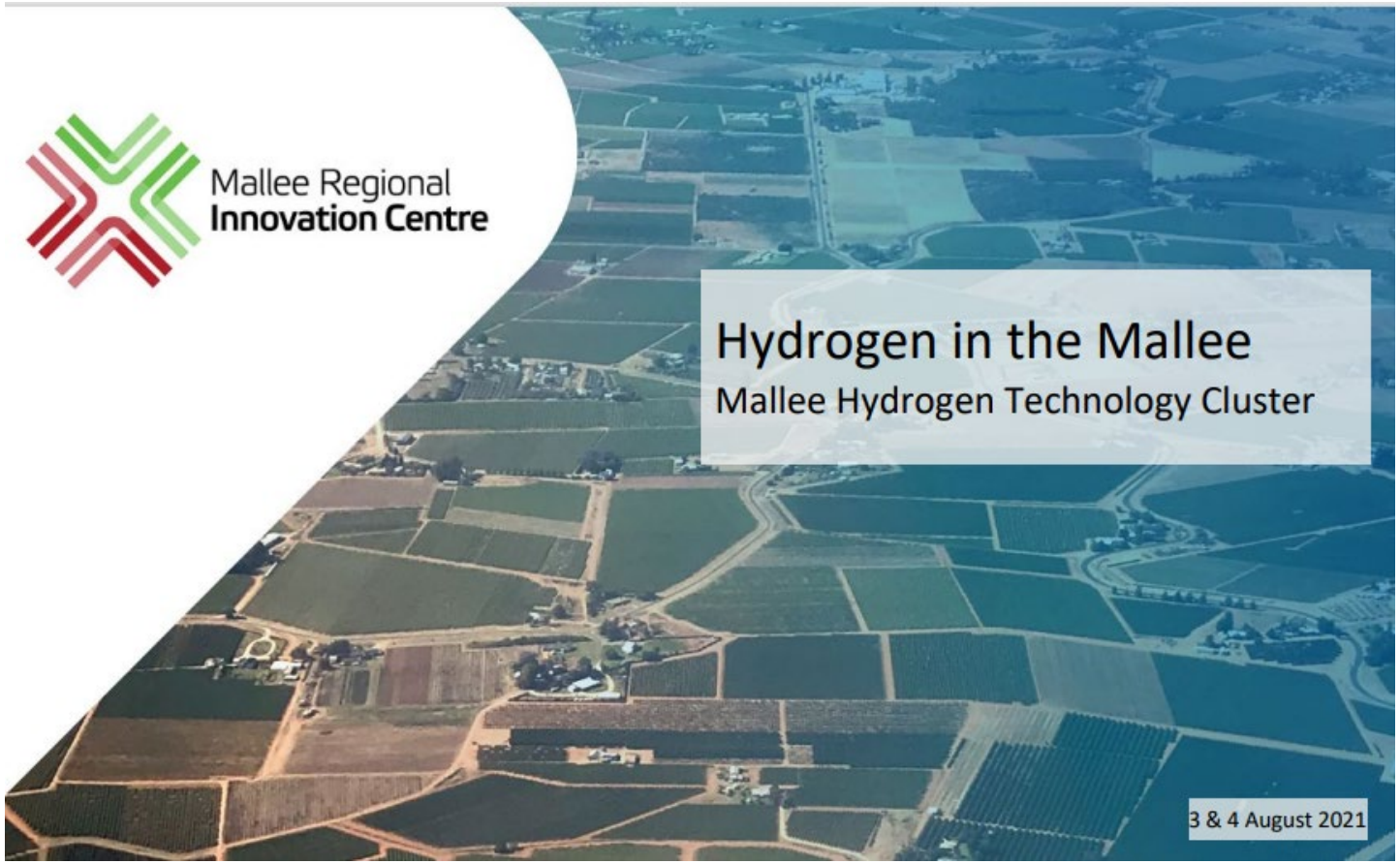
ALMOND BOARD OF AUSTRALIA

Opportunities for Hydrogen with the Australian Almond Industry



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AUSTRALIAN PRODUCTION BY STATE (KWE)

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

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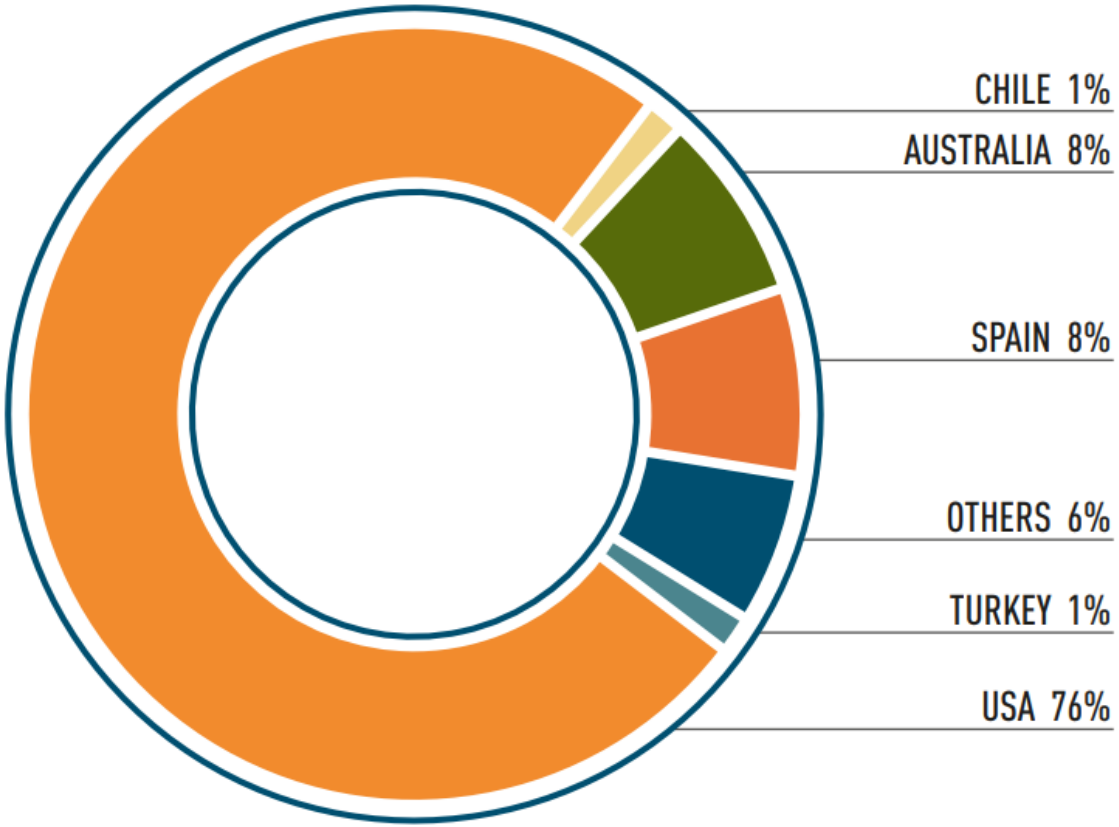
GLOBAL PRODUCTION



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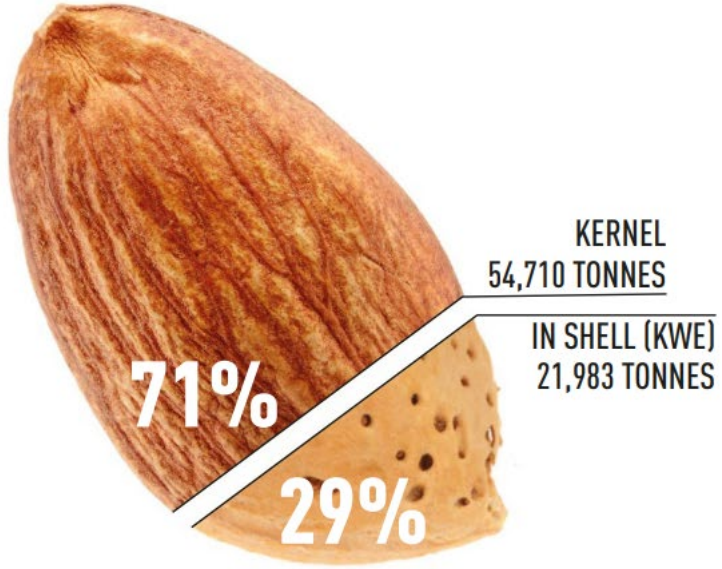
AUSTRALIAN ALMOND EXPORTS BY TYPE (MARKETING YEAR)



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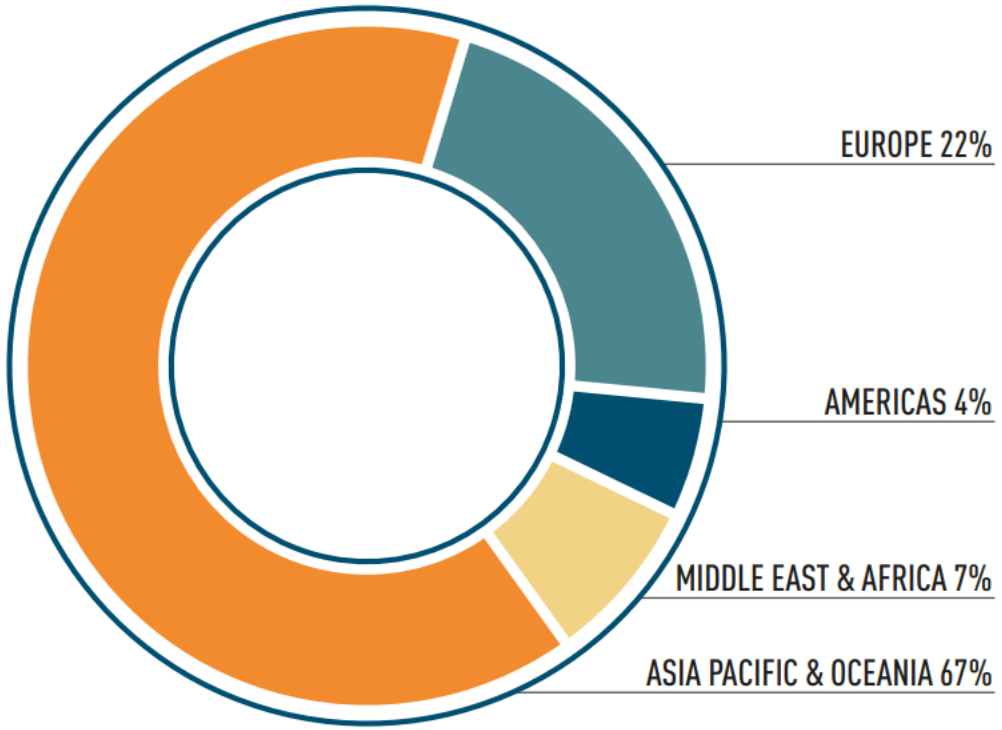
AUSTRALIAN ALMOND EXPORTS BY REGION (MARKETING YEAR)



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AUSTRALIAN TREE NUT PRODUCTION

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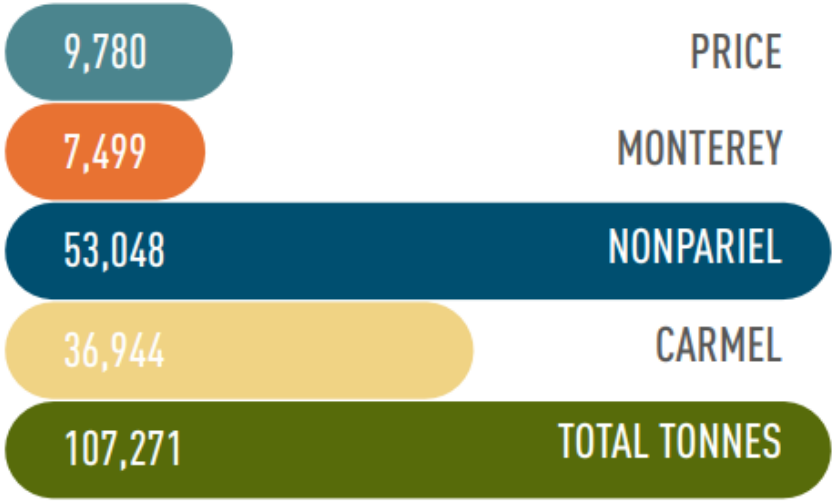
AUSTRALIAN PRODUCTION BY VARIETY



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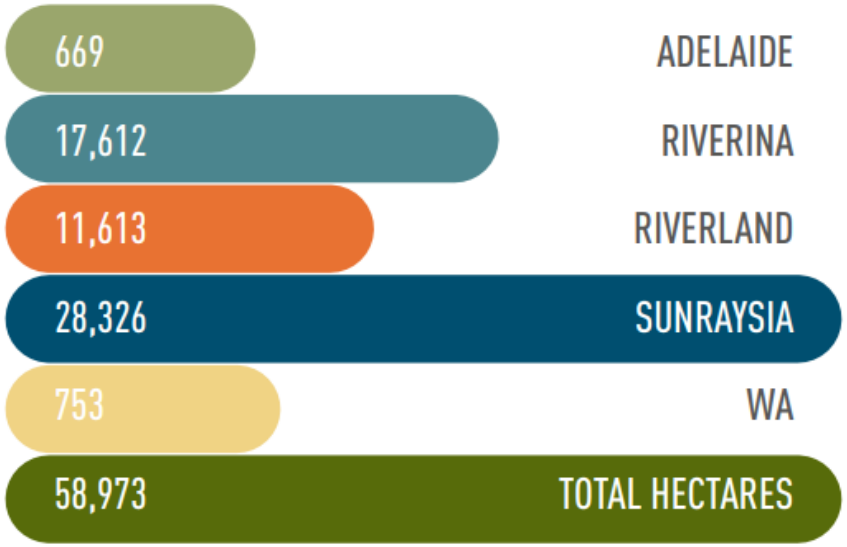
PLANTED AREA BY REGION (HA)



Plantings in Victoria are 48% of Australian almonds

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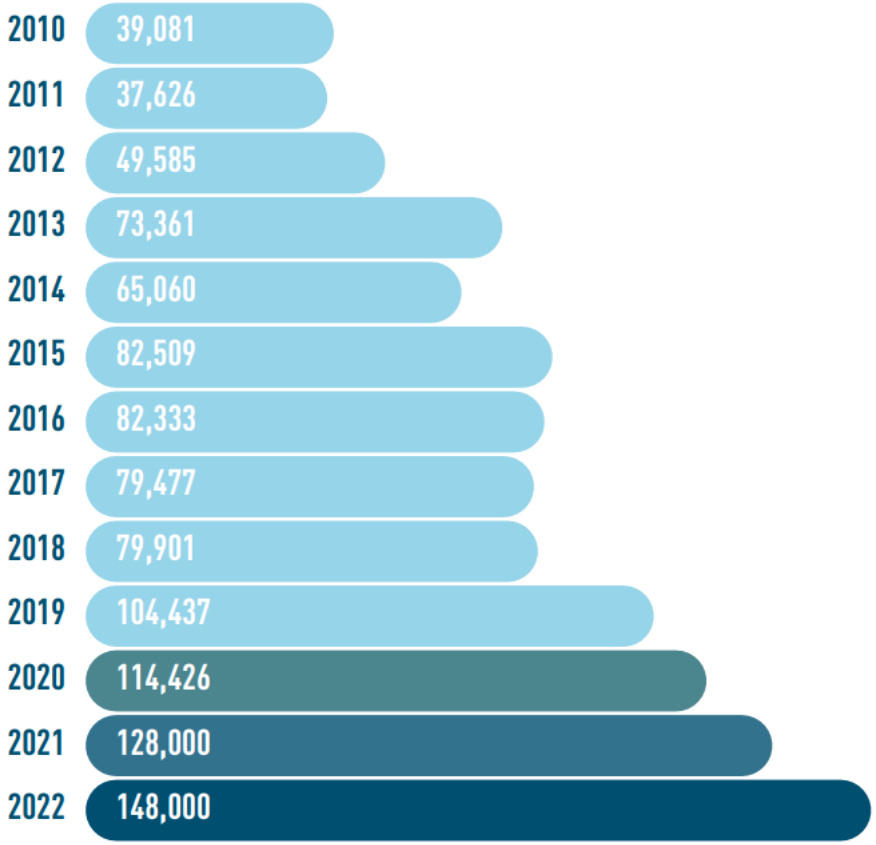
AUSTRALIAN PRODUCTION (KERNEL WEIGHT EQUIVALENT TONNES)



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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

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Victorian forecast production growth to 2025:

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

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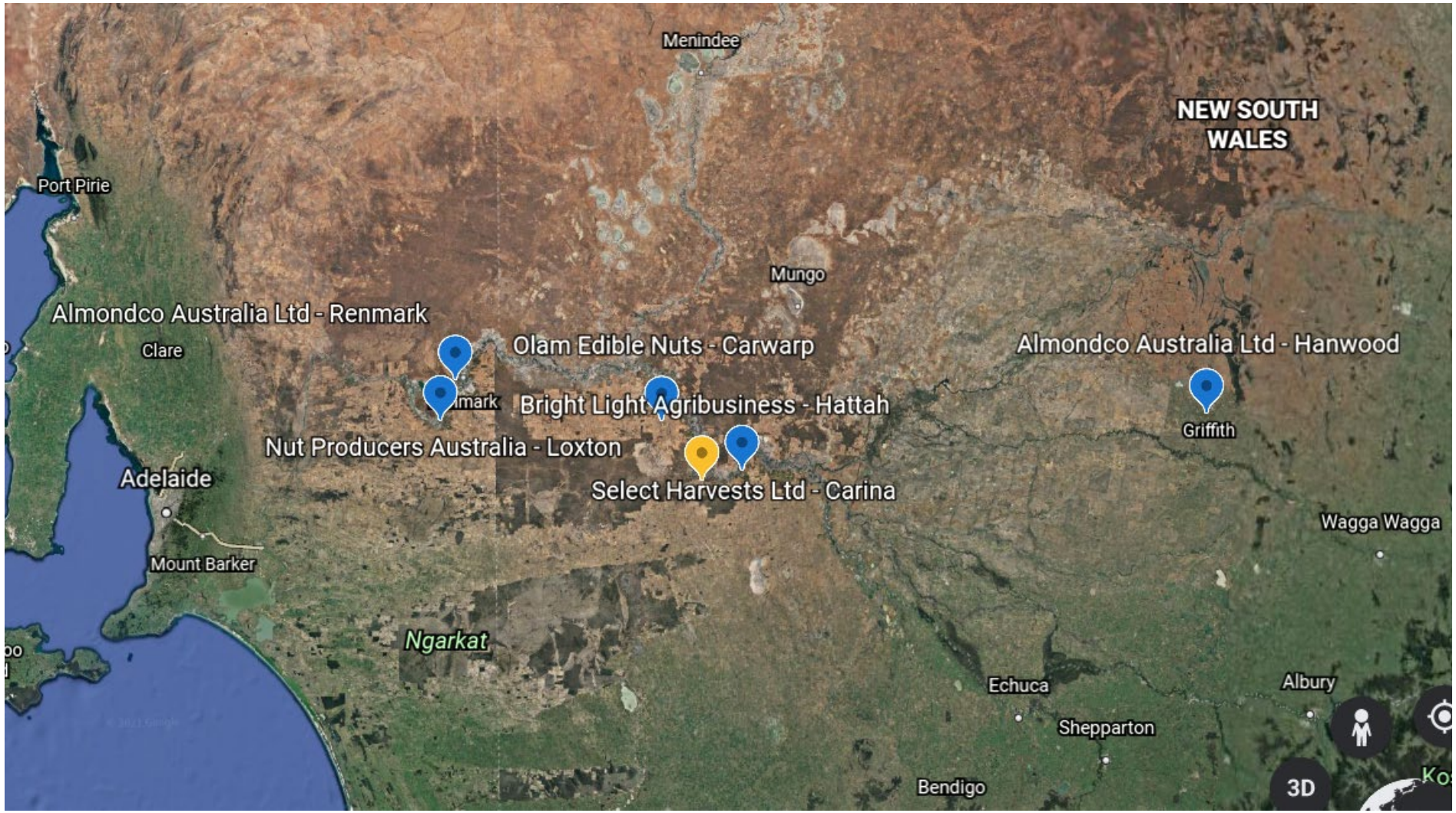

Almond Processors nationally

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Almond Processors in Victoria

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

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Re: Climate and Energy:

Australian almond industry need to understand its carbon footprint

Seeking to undertake a Lifecycle Assessment

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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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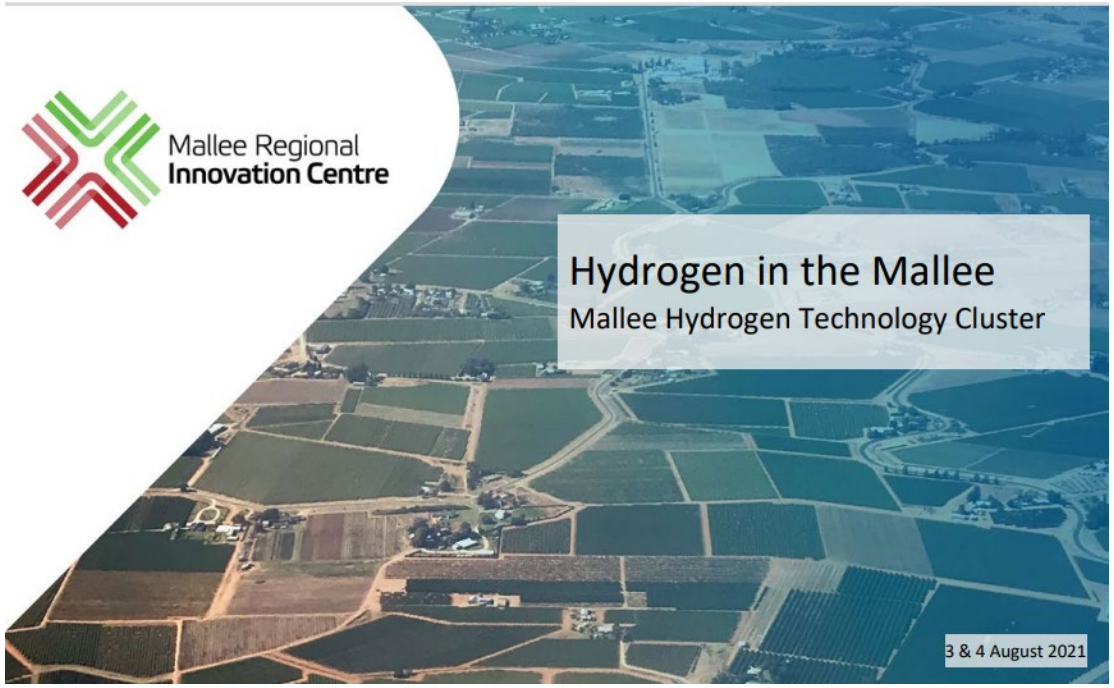

Discussion:

Opportunities for hydrogen production for the Australian almond industry

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