



Grains Australia
is an initiative of the
Grains Research &
Development Corporation

AUSTRALIAN MALTING BARLEY

FOR CHINA'S NEEDS

grainsaustralia.com.au



BARLEY PRODUCTION IN AUSTRALIA

Australia produces on average 12.8 million tonnes of barley across 4.5 million hectares, with 30-40% malting barley and the remainder used for stock feed, food or human consumption.

Australian barley is planted in April and May and grows throughout Australia's winter and spring months, between

June and October. Barley is rotated with other crops including lentils, chickpeas, faba beans, field peas, lupins, canola, wheat and oats.

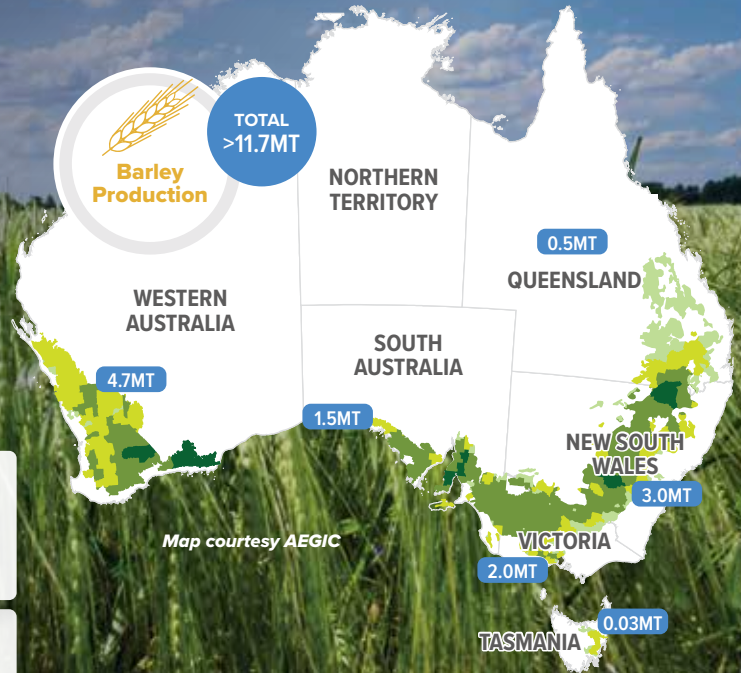
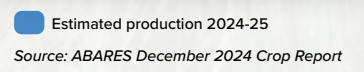
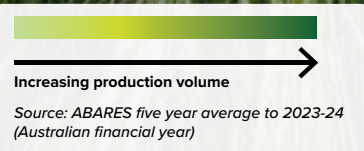
Harvest begins in the country's northern regions during late October and early November. The harvesting season usually finishes during December in Australia's southern areas.

ESTIMATED AUSTRALIAN BARLEY PRODUCTION 2024/25

Australia has been supplying barley to China for many decades.

Despite dry conditions in South Australia and Victoria during 2024, the recent barley harvest is estimated to be approximately 11.7 million tonnes.

Legend

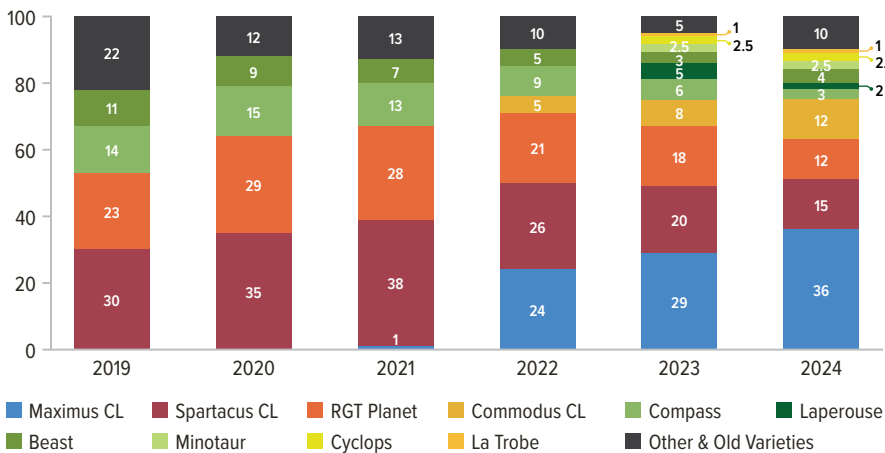


GROWERS' CHOICE OF VARIETIES

Australian growers make their own individual decisions about which barley varieties they will plant each year, based on their grain marketing plans (including information on customer preferences), variety availability, grain receival sites, and what is likely to grow with the greatest return on investment on their farm.

The Grains Research and Development Corporation (GRDC) operates the National Variety Trials (nvt.grdc.com.au) for all crops, including barley, to assist growers in making crop choices. Detailed information is available to growers in every state.

ESTIMATED (%) OF BARLEY VARIETIES PLANTED 2019-2024



Source: AEGIC | Note: National estimated percentage of Australian barley plantings are accumulated AEGIC market intelligence data, AEGIC 2024 (not published) as at July 2024

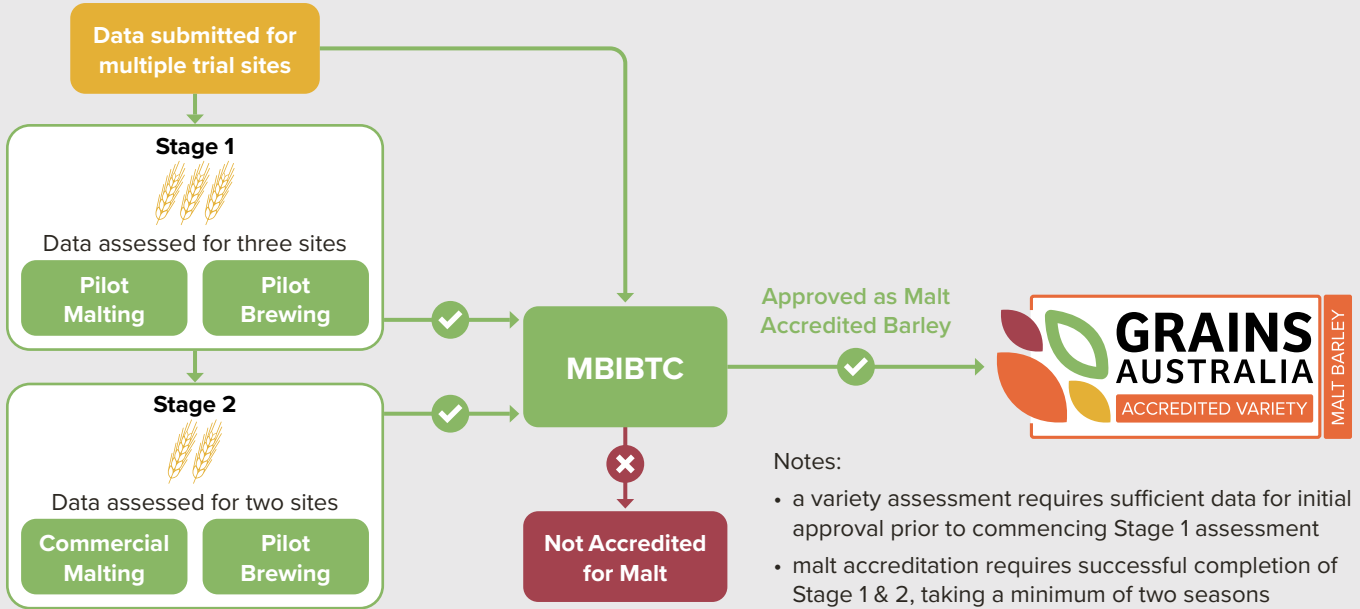


INDUSTRY SYSTEM FOR MALTING VARIETY EVALUATION

Australia's system for classification of malting barley varieties began in the mid-1950s and has evolved substantially. Today part of Grains Australia, the system provides a proven performance record of industry-recognised trials for malting and brewing, and it is an important indication to the various markets that a malting barley variety has been duly tested and evaluated.

Plant breeders submit potential varieties over a minimum of two seasons to the classification process. The evaluation of barley submissions is carried out by the Malting and Brewing Industry Barley Technical Committee (MBIBTC), an independent committee of the Grains Australia Barley Council. Evaluation and outcomes are reported by Grains Australia, with a list released to industry each year of market-preferred varieties, so growers in each Australian state understand market demand.

MALTING BARLEY CLASSIFICATION PROCESS



TECHNICAL INFORMATION

Grains Australia publishes Malt Performance Summaries on accredited malt varieties that have accumulated sufficient data through both the classification process and post accreditation.



Malt Accredited Variety Maximus[®] CL

| | |
|-------------------------|-------------------------|
| Variety Name | Maximus [®] CL |
| Breeder / Promoter | InterGrain |
| Malt Accreditation Date | February 2021 |
| Brewing Style | High Fermentability |

Overall Comments

Maximus[®] CL was accredited February 2021. This data set encompasses commercial malting data generated in 2022 and 2023, accumulated after the accreditation process. Maximus[®] CL demonstrated strong performance in malt extract and diastatic power which is well suited to high fermentability style brewing and requires the application of Gibberellic Acid (GA) for suitable modification.

| Giberellic Acid (GA) Application Frequency (five requirement) | Maximus [®] CL | Compass [®] | Spitacus [®] CL | RGT Planet [®] |
|---------------------------------------------------------------|-------------------------|----------------------|--------------------------|-------------------------|
| | High | High | High | Medium |

Malt Quality Comparison of Maximus[®] CL to Benchmark Varieties from 2022 & 2023

Legend: Maximus[®] CL (n=195), Compass (n=200), Spitacus (n=167), RGT Planet (n=70)

Charts showing: Distorted DPM, Diastatic Power, Water Extract (mL/kg), and Protein (mL/kg) for Maximus CL compared to other varieties.

CONSULTATION AND DISCUSSIONS

The Australian Export Grains Innovation Centre (AEGIC) has conducted highly detailed technical symposiums for China's maltsters and brewers annually since 2016.

These events are extremely valuable for industry members to discuss technical matters and industry topics. AEGIC plans to host symposiums again in Beijing and Guangzhou during July 2025.

In July 2024, AEGIC hosted a delegation of Chinese barley, malting, and brewing industry representatives to Australia, including attendance at Grain Trade Australia's (GTA) Australian Grains Industry Conference (AGIC) in Melbourne. AEGIC will be inviting a new delegation from China to visit for AGIC Australia in July 2025.

Grains Australia and AEGIC invite representatives from all sectors of China's grain industry to visit Australia to build knowledge and relationships.

GTA's AGIC Asia conference in Bangkok and Shanghai on 4-6 March is a valuable event bringing people together from China and other countries with Australian industry.

4-6 March 2025

The Australian Grains Industry Conference

Asia 2025

Bangkok & Shanghai

Proudly hosted by  GRAIN TRADE AUSTRALIA



Grains Australia – manages classification, market access, market insights and market education to enhance the Australian grains industry's competitiveness and profitability.
grainsaustralia.com.au/classification/barley

Grains Australia appreciates the extensive advice and content provided for this brochure by the Australian Export Grains Innovation Centre. (AEGIC). AEGIC is an initiative of the Western Australian State Government and Grains Australia.



Australian Export Grains Innovation Centre – providing market insight and analysis, combined with technical know-how and innovation, to develop applied solutions for customers.
aegic.org.au/projects/china-barley-trade/



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