



agrimin

Investor
Presentation

July 2019

Company Overview

- Agrimin Limited is an ASX-listed company with a **market capitalisation of \$110m**
- Developing the **world-class Mackay Potash Project** in Western Australia
- Targeting production of a **premium potash fertiliser** to support the **world's growing consumption of fruits and vegetables**
- **Well funded with \$6m in cash** to advance feasibility studies and project approvals

A person is walking on a beach, with dunes in the foreground. The background shows the ocean and a clear sky. The text 'Agrimin's Vision' is overlaid on the image.

Agrimin's Vision

To establish a new potash export industry in Australia and to make a positive impact on some of the country's most remote Aboriginal communities through the creation of opportunities and sustainable economic development

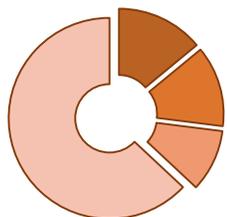


ASX | AMN

Capital Structure (as at 29 July 2019)

ASX Code	AMN
Share Price	\$0.65
Shares on Issue	170.6m
Share Rights	8.0m
Market Capitalisation	\$111.7m
Cash (as at 30 June 2019)	\$5.7m
Debt	\$0.0m

Share Register



- AustralianSuper
- Other Institutional Investors
- Board & Management
- Retail Investors

Board of Directors

Mark Savich	Chief Executive Officer
Richard Seville	Non-Executive Chairperson (Elect)
Brad Sampson	Non-Executive Director
Alec Pismiris	Non-Executive Director & Company Secretary

Share Price Chart



Corporate Snapshot



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Mackay Potash Project

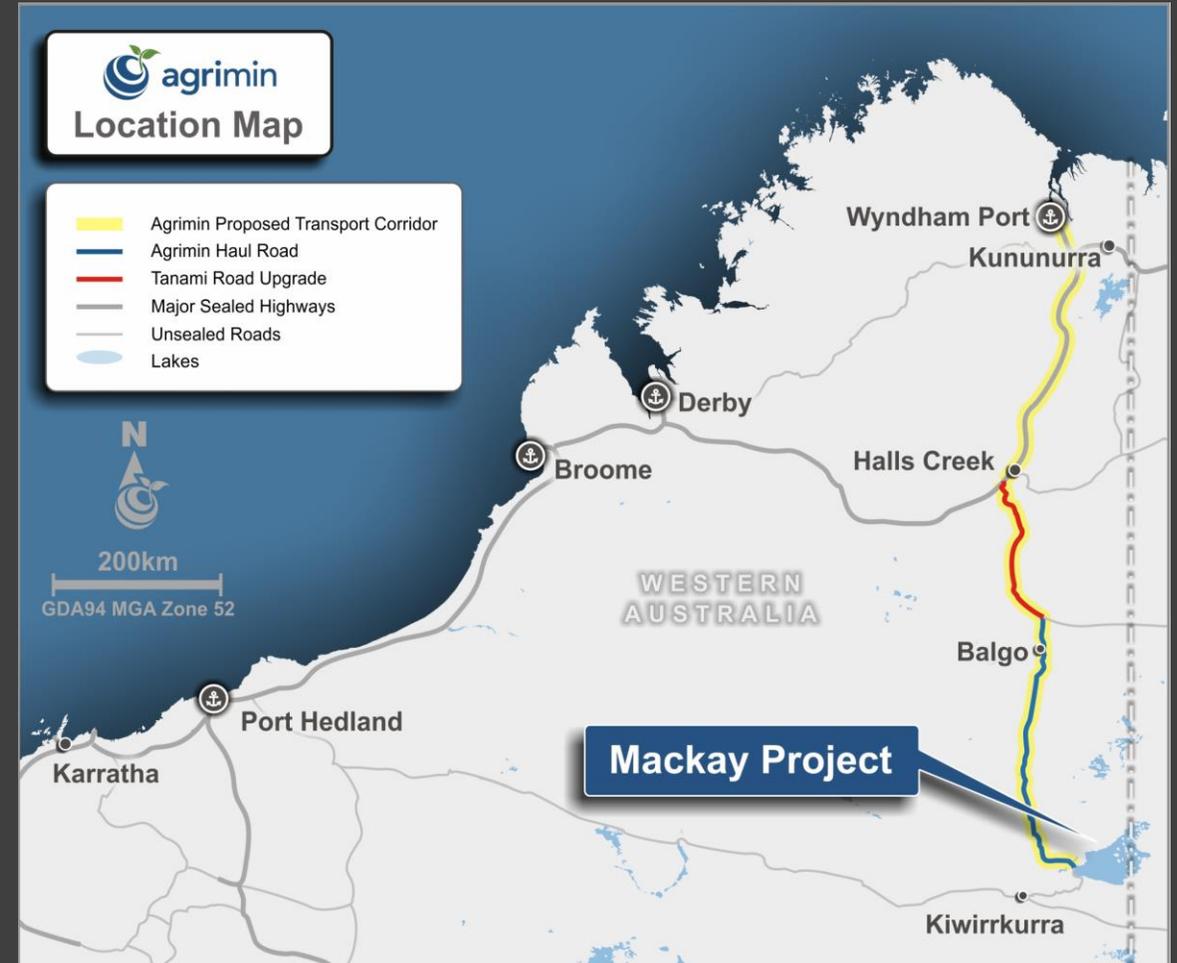
Developing Australia's Largest Potash Project

- ✓ **World-class resource base** of potassium magnesium sulphate
- ✓ **Methodical and long-term de-risking** of key project parameters
- ✓ **Scalable logistics chain** to support the creation of a **globally relevant seaborne supplier**
- ✓ **Low capital intensity and operating costs** to deliver **strong returns for shareholders**



Mackay Potash Project Overview

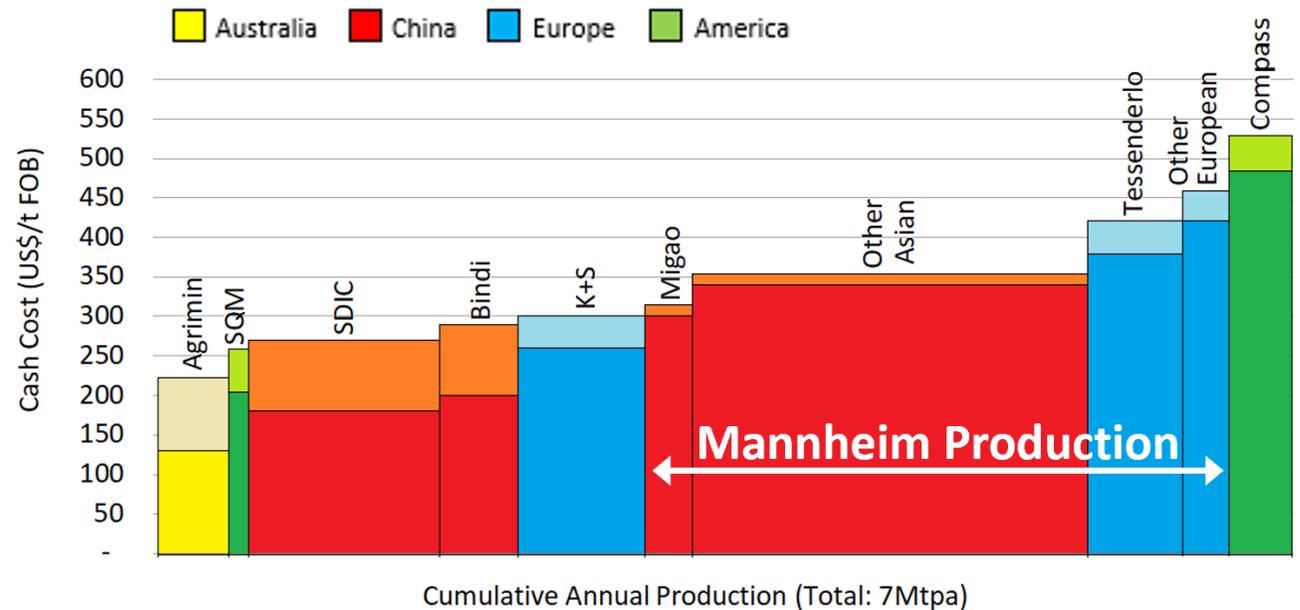
- **100% owned** by Agrimin
- Situated on Lake Mackay, **785km south of Wyndham Port** in Western Australia
- Acquired in 2014 and **\$25m invested to date**
- **Native Title Agreement in place** for the full-scale project
- **Definitive Feasibility Study and Environmental Assessment** in progress



Highly Attractive Project Economics

- Pre-Feasibility Study¹ completed in 2018 and led by Advisian
- SOP production target of 426,000tpa
- Cash cost of US\$222/t FOB
- Annual revenue of A\$315m and EBITDA of A\$183m
(forecasts are based on a SOP price of US\$555/t FOB)
- Capital cost of A\$545m has a 4 year payback
- Initial operating life of 20 years

SOP Industry Cost Curve



Dark section of bars represent site costs and light section of bars represent in-land transportation cost to the nearest port. Graph compiled from information sourced from company reports and market research.

1. Refer to the ASX Release on 7 May 2018 for full Pre-Feasibility Study details. All material assumptions underpinning the production target and forecast financial information derived from the production target still apply and have not materially changed. Capital and operating cost estimates have a $\pm 25\%$ level of accuracy.

A Globally Significant SOP Deposit

- Lake Mackay spans 3,500km² and is the **world's largest undeveloped SOP-bearing salt lake deposit**
- Groundwater starts 40cm below surface and contains high levels of dissolved potassium, magnesium and sulphate which can be **processed into a range of chloride-free potash products**
- Mineral Resource Estimate¹ of 26 million tonnes of potash can support **at least 20 years of production**



1. Refer to the ASX Release on 7 May 2018 for full Mineral Resource Estimate details. Mineral Resource Estimate comprises Indicated Mineral Resource Estimate of 10.0Mt and Inferred Mineral Resource Estimate of 16.1Mt.

Historic Native Title Agreement Signed

- **Native Title Agreement signed** in 2017 with the **Kiwirrkurra People**, the recognised native title holders of the land at the Mackay Potash Project
- Agrimin has received **strong support and acceptance** from Traditional Owners of the Kiwirrkurra lands
- The Mackay Potash Project can **create jobs, sustainable economic development** and many other opportunities for Australia's most remote Aboriginal community



Final Negotiation Meeting in **October 2017**



Signing of Exploration Agreement in **December 2014**

More than \$25m Spent to Date

- **Definitive Feasibility Study is underway** and being led by Agrimin's owners team
- **More than 267 drill holes** have been completed across Lake Mackay to support the current Mineral Resource Estimate
- **Industry leading hydrogeological, geotechnical and processing consultants** are involved in the project's development



Completion of Two Years of Long-Term Pumping Tests

- Groundwater within the salt lake to be extracted using **low-cost shallow trenches**
- Agrimin has **constructed 22 pilot trenches** and 122 associated monitoring bores across Lake Mackay as part of the Definitive Feasibility Study
- Agrimin's hydrogeological team has **completed a world-leading pump testing program** between August 2017 and July 2019 **which supports predicted groundwater extraction rates**





Industry-Leading Pilot Evaporation Trial Underway

- Groundwater to be transferred via trenches into large-scale ponds to allow solar evaporation and the **crystallisation of potash salts** for processing
- Full-scale solar evaporation ponds facilitate an **eco-friendly process** and will **cover less than 2% of Lake Mackay** over the initial 20 year life
- Agrimin's process engineering team is **currently operating pilot-scale evaporation ponds** which commenced in October 2018 and supports predicted recovery rates of potash salts

High Quality SOP Samples Produced

- Saskatchewan Research Council in Canada has completed testwork to support Agrimin's proposed **conventional process flowsheets for both SOP and SOPM**
- Agrimin has produced **high-grade SOP samples (>52% K₂O)** that **exceed industry benchmarks**
- Product samples have been distributed to and successfully tested by some of the **world's leading fertiliser companies**



Major Investment in Regional Roads

- The Mackay Potash Project will result in new road infrastructure that will have a **substantial supply chain impact** for the north of Western Australia
- Road upgrades will include 205km of the Tanami Road, which has been **allocated funding by both Australian Government and WA State Government**¹
- Road construction will include a new 346km haul road connecting the Central Desert and Kimberley regions, which the **Northern Australian Infrastructure Facility (NAIF)** has expressed an interest to support²



1. The Australian Government announced that it has allocated \$75m to the Tanami Road in the 2019-2020 Federal Budget. In addition, the Western Australian Government announced that it has allocated \$42.7m to the Tanami Road in the 2019-2020 State Budget.

2. The NAIF could potentially provide concessional longer term debt finance for the Project's proposed haul road. The NAIF is a corporate Commonwealth entity with the objective to provide financial assistance for the construction of infrastructure to benefit northern Australia. The NAIF is an integral part of the Australian Government's strategy to develop northern Australia.

New Exports can Stimulate Trade

- The Mackay Potash Project will become a **significant exporter of bulk potash** through Wyndham, Western Australia
- **Large-scale fertiliser finishing plant** to be located at Wyndham
- New potash exports can lead to consistent and **improved trade activity through Wyndham Port**



Strategic, Social and Economic Benefits

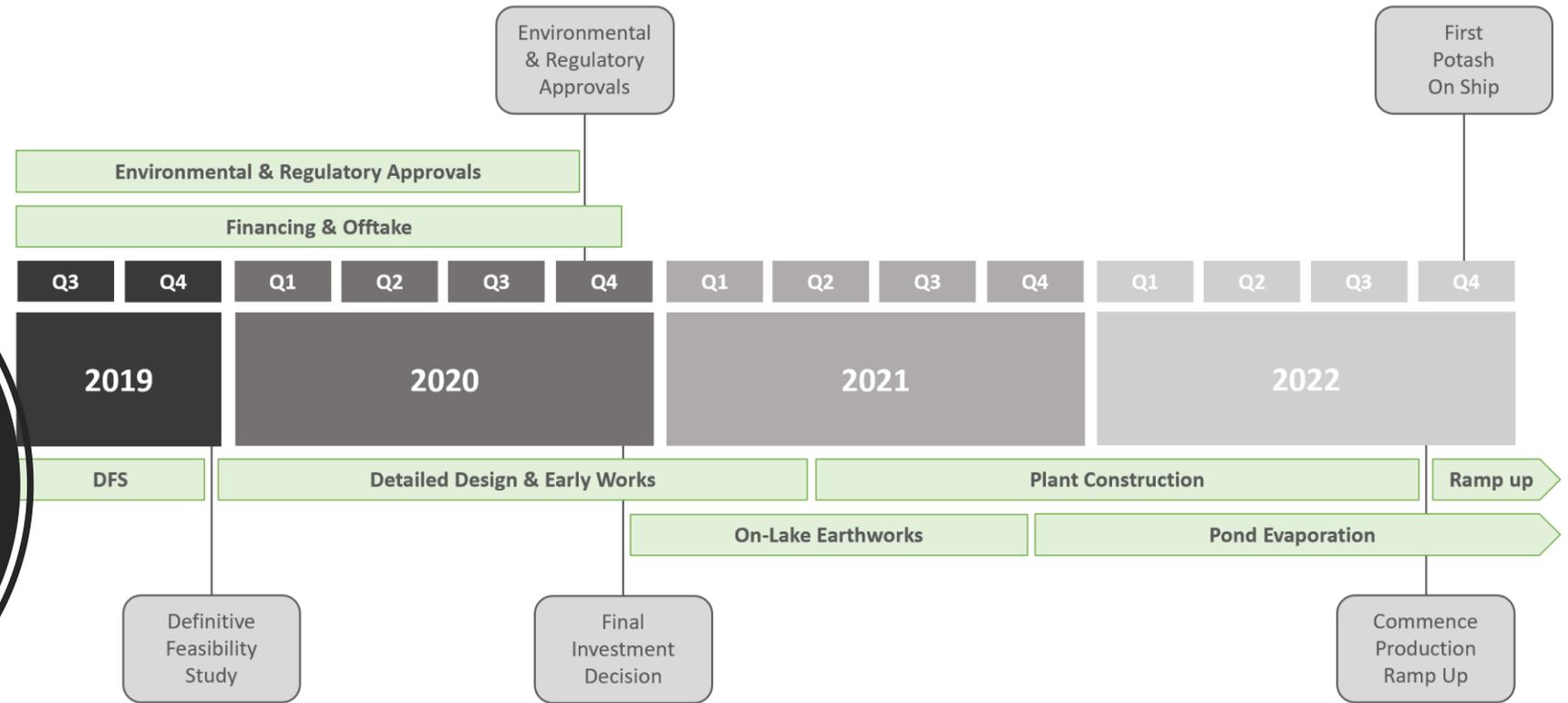
- The proposed Mackay Potash Project will **employ over 150 direct full-time employees** and **create approximately 600 jobs** through the regional supply chain¹
- Agrimin is committed to providing **business and employment opportunities for local Aboriginal people**
- New regional infrastructure associated with the Mackay Potash Project, such as roads and a sealed airstrip, will **greatly improve access for essential services**
- **Net public benefits of the project are estimated to be \$509m** over a 23 year period
- Potash production has the strategic benefit of reducing **Australia's 100% reliance on imports** and can replace imported potash to the **benefit of local farmers**



1. Deloitte applies a standard economic multiplier of 4:1.

2. Deloitte Access Economics has undertaken a Cost Benefit Analysis of the proposed Mackay Potash Project.

First Potash Production is Targeted in 2022



- **Definitive Feasibility Study** is scheduled for completion in Q4-2019
- **Final Investment Decision** for full-scale development is expected in Q4-2020
- **First potash production** is targeted in Q4-2022



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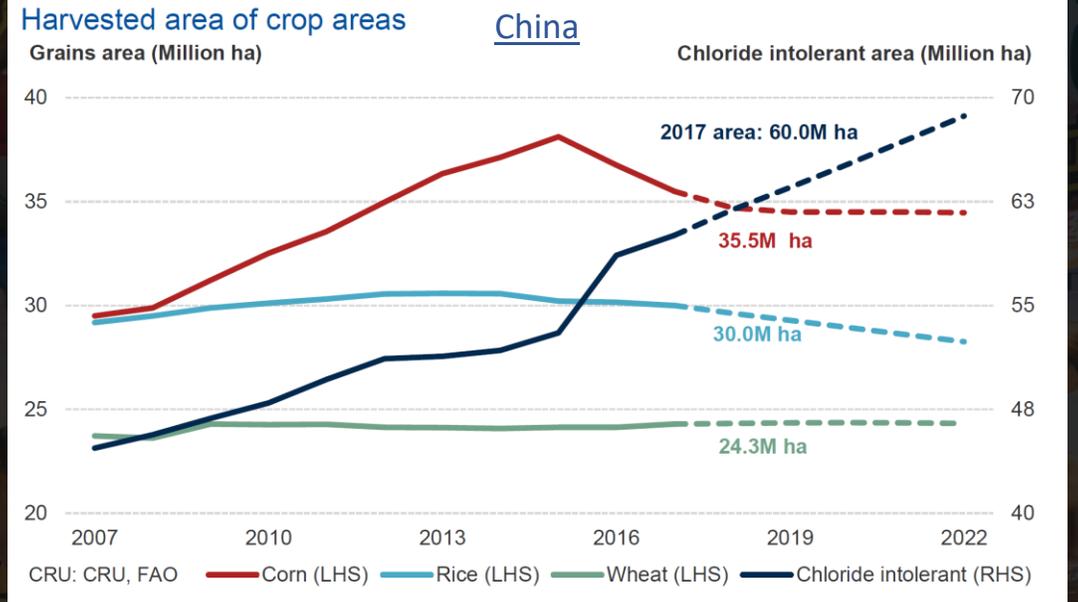
Specialty Potash Fertiliser



Targeting Production of a Specialty Fertiliser for World Markets

- **Sulphate of Potash (SOP) and Sulphate of Potash Magnesia (SOPM)** are premium forms of potash fertiliser that are **vital for high value crops** like fruits, vegetables and tree nuts
- SOP and SOPM are **chloride-free** fertilisers and **improve** the nutritional value, taste, appearance and shelf life of crops

Specialty Potash Demand is Supported by Global Megatrends



Source: CRU

- Improving diets in developing countries are leading to increased consumption of fruits, vegetables and tree nuts
- These types of high value crops require chloride-free potash fertiliser, such as SOP and SOPM
- Chloride in standard potash is harmful to crops and negatively effects the nutritional value, taste and appearance
- The world's harvested area for high value crops (chloride intolerant crops) is growing extremely fast and is leading to rapid demand growth for chloride-free potash

Modern Agriculture Requires More Specialty Potash

- Structural changes to farming practices are the result of public awareness of **agricultural pollution** and **food quality**
- Governments of developing countries are **focused on reducing environmental impacts** caused by fertilisers leaching into waterways and oxidising into the atmosphere
- Food consumers are **increasingly focused on food quality** and are demanding farmers in developed countries shift away from chemical fertilisers and towards **organic food production methods**
- SOPM and SOP produced from the **solar evaporation of natural groundwater** is an **organic and eco-friendly fertiliser**



Traditional Farmer in Open Fields

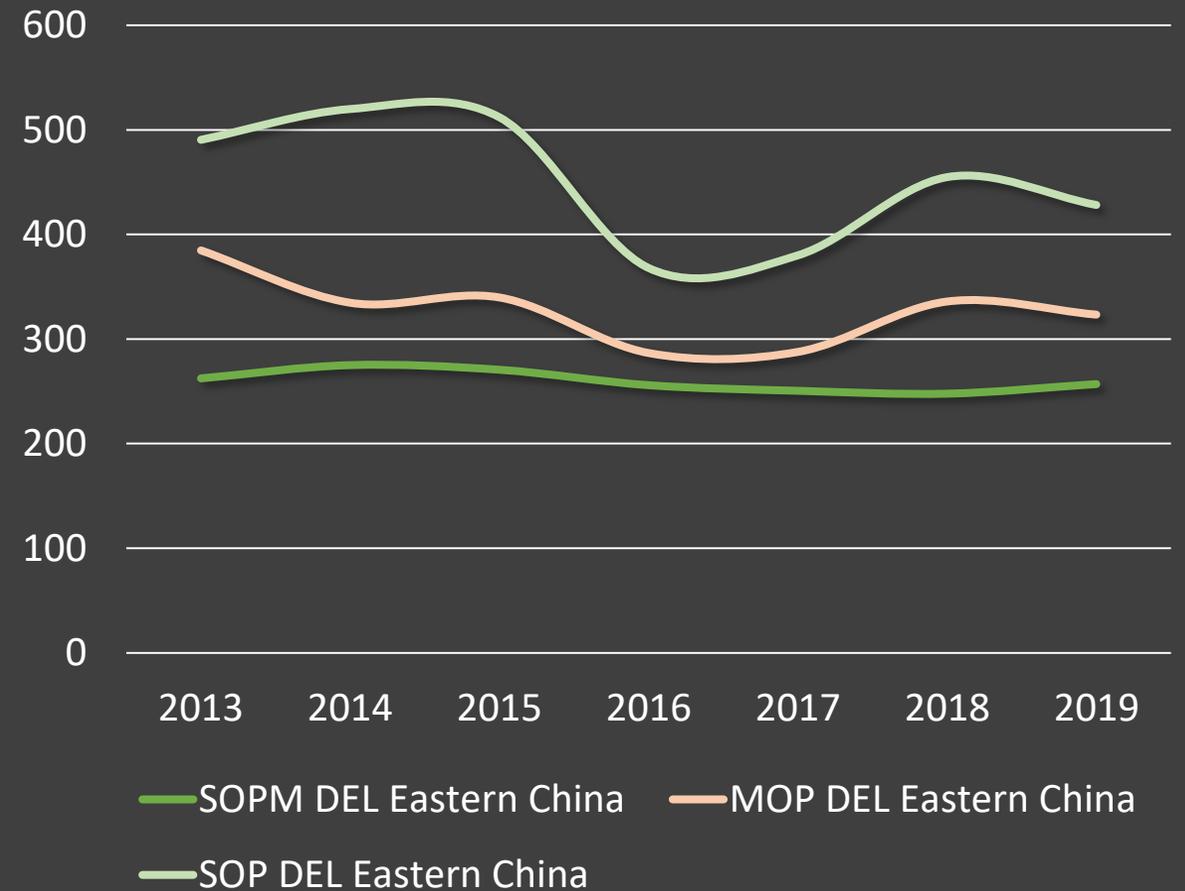


Evolving Farmer in Greenhouse

Prices Support Strong Economics

- Current SOP prices range from **US\$440/t in China to US\$625/t in the USA¹**
- Current SOPM prices range from **US\$260/t in China to US\$355/t in the USA¹**
- Agrimin's **scalable resource base and logistics chain** can allow access to a range of international markets

Historical China SOPM, SOP and MOP Prices (US\$/t)



Source: CRU



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Pre-Feasibility Study Parameters – Cautionary Statement

The Pre-Feasibility Study results, production target and forecast financial information referred to in this presentation are supported by the Pre-Feasibility Study mine plan which is based on the extraction of Mineral Resources that are classified as Indicated. There is no certainty that further exploration work and economic assessment will result in the eventual conversion of Mineral Resources to Ore Reserves or that the production target itself will be realised. The consideration of all JORC modifying factors is sufficiently progressed. Hydrogeological studies and process studies support material operating assumptions. Engineering studies support capital and operating cost estimates and are based on standard extraction and processing techniques. Non-binding discussions are underway with interested parties for off-take of planned production. Discussions with third party infrastructure providers are underway. A Native Title Agreement is in place to provide the necessary consents for development. Extensive environmental baseline studies have been completed and no social, environmental, legal or regulatory impediments to development have been identified. The Company has concluded it has a reasonable basis for providing the forward-looking statements included in this presentation and believes it has a reasonable basis to expect it will be able to fund the development of the Mackay Potash Project upon successful delivery of key development milestones. The detailed reasons for these conclusions, and material assumptions on which the forecast financial information is based, are outlined in the Company's ASX Release entitled Pre-Feasibility Study Completed for Mackay Potash Project released on 7 May 2018. Additionally, the assumptions for the Mineral Resources are disclosed in the JORC Code (2012) Table 1 in the Company's ASX Release entitled Pre-Feasibility Study Completed for Mackay Potash Project released on 7 May 2018. The Mineral Resources underpinning the production target in this presentation have been prepared by a competent person in accordance with the requirements of the JORC Code (2012).

JORC Code (2012) Compliance Statement

The information in this presentation that relates to Mackay Potash Project is extracted from the Company's ASX Release entitled Pre-Feasibility Study Completed for Mackay Potash Project released on 7 May 2018. The information in this presentation that relates to exploration results and Mineral Resources is extracted from the Company's ASX Release entitled Pre-Feasibility Study Completed for Mackay Potash released on 7 May 2018. The Company's ASX Releases are available at www.asx.com.au. The Company confirms that it is not aware of any new information or data that materially affects the information included in the abovementioned ASX Releases, and that all material assumptions and technical parameters underpinning the estimates in the abovementioned ASX Releases continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings that are presented have not been materially modified from the abovementioned ASX Releases.

Mineral Resources Statement (JORC Code 2012)

Mineral Resource – April 2018 (*Total Porosity*)

Category	State	Depth (mbgs)	Volume (Mm ³)	Average Total Porosity	SOP Grade (kg/m ³)	Contained SOP (Mt)
Indicated	WA	0.40 – 11.25	24,182	46.1%	8.3	92.2
Inferred	WA	0.40 – 11.25	2,627	46.0%	8.2	9.9
	NT	0.40 – 11.25	5,802	46.0%	7.4	19.8
	WA	11.25 – 30.00	29,744	45.5%	7.3	107.9
	NT	11.25 – 30.00	10,555	45.2%	8.0	34.7
	Total	WA & NT	0.40 – 30.00	72,909	45.5%	8.0

Mineral Resource – April 2018 (*Specific Yield*)

Category	State	Depth (mbgs)	Volume (Mm ³)	Average Specific Yield	SOP Grade (kg/m ³)	Contained SOP (Mt)
Indicated	WA	0.40 – 11.25	24,182	5.0%	8.3	10.0
Inferred	WA	0.40 – 11.25	2,627	5.4%	8.2	1.2
	NT	0.40 – 11.25	5,802	5.2%	7.4	2.2
	WA	11.25 – 30.00	29,744	4.0%	7.3	9.6
	NT	11.25 – 30.00	10,555	4.1%	8.0	3.2
	Total	WA & NT	0.40 – 30.00	72,909	4.5%	8.0

1. Mineral Resource below 11.25m depth and Mineral Resource outside of the Kiwirrkurra determination area are classified as Inferred.
2. Water table is estimated to commence at approximately 40cm below ground surface. The average depth of drilling was 24.7m, however the estimation extends to 30.0m where drilling reached this depth.
3. Potassium content can be converted to SOP using a conversion factor of 2.23 (i.e. SOP contains 44.87% potassium).
4. Information that relates to the Mineral Resource has been extracted from the Company's ASX Release entitled Pre-Feasibility Study Completed for Mackay Potash Project released on 7 May 2018.