ASX ANNOUNCEMENT

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Envirostream Australia micronutrient field trial: Demonstrating positive response

HIGHLIGHTS

- **Plant uptake of magnesium and zinc from Envirostream micronutrients in line with commercially available treatments used as test control in trial.**
- **Grain filling well in preparation for harvesting of Envirostream micronutrient-treated plots.**
- **Field trial harvest planned for mid-December 2020.**

Introduction

Lithium Australia NL (ASX: LIT, 'the Company') is committed to the creation of a circular battery economy. As part of that commitment, the Company's 90%-owned subsidiary Envirostream Australia Pty Ltd ('Envirostream') is conducting a field trial in which zinc and manganese derived from its recycling of alkaline batteries were added (in differing ratios) as micronutrients to conventional mono-ammonium phosphate (MAP) fertiliser.

The Company is pleased to provide an update on the progress of the field trial and the results of plant tissue sampling completed at the end of August 2020 (see ASX announcement 1 September 2020).

Field-trial progress

Below is a photo taken recently at the trial site; the plants on the left received the Envirostream treatment, while the plants to the right, in the control area, were given no fertiliser. Plants in the area receiving Envirostream treatments demonstrate a clearly positive response compared to those in the control area.

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An averaged selection of plants from each of the five field-trial treatment areas is shown below.

Treatment samples pictured left to right are as follows: control (no fertiliser); commercial treatment # 1; commercial treatment # 2; Envirostream treatment # 1 and Envirostream treatment # 2.

Other than the control plants, which received no fertiliser (at left of picture), the visual performance of the Envirostream treatments (right of picture) is comparable to that of the plants receiving the commercially available fertiliser treatments. Performance of the control plants is in line with expectations, due to the phosphorous deficiency of the soil.

Visual trial performance is supported by statistical analysis of plant tissue from each of the areas treated.

The field trial harvest is planned for mid-December 2020, after which grain sampling will allow the Company to complete a micronutrient analysis over the lifecycle of the crop.

Comment from Lithium Australia MD Adrian Griffin

"The utilisation of manganese and zinc derived from spent alkaline batteries, shows immense promise as a micronutrient for broad acre farming. The visual results we have seen in our Western Australian field trials speak for themselves.

Disposal of spent batteries is a rapidly escalating global problem. Successful applications of this type provide a great environmental solution and beneficial outcome for Western Australian agricultural. Envirostream is well placed to provide Australia with a far superior environmental alternative to sending spent batteries to landfill."

Authorised for release by the Board

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About Lithium Australia NL

Lithium Australia aims to ensure an ethical and sustainable supply of energy metals to the battery industry (enhancing energy security in the process) by creating a circular battery economy. The recycling of old lithium-ion batteries to new is intrinsic to this plan. While rationalising its portfolio of lithium projects/alliances, the Company continues with R&D on its proprietary extraction processes for the conversion of *all* lithium silicates (including mine waste), and of unused fines from spodumene processing, to lithium chemicals. From those chemicals, Lithium Australia plans to produce advanced components for the battery industry globally, and for stationary energy storage systems within Australia. By uniting resources and innovation, the Company seeks to vertically integrate lithium extraction, processing and recycling.

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