

THE TOP END CATTLE INDUSTRY DEPENDENT ON MCP

**Presentation to Developing Northern Australia Conference
Darwin**

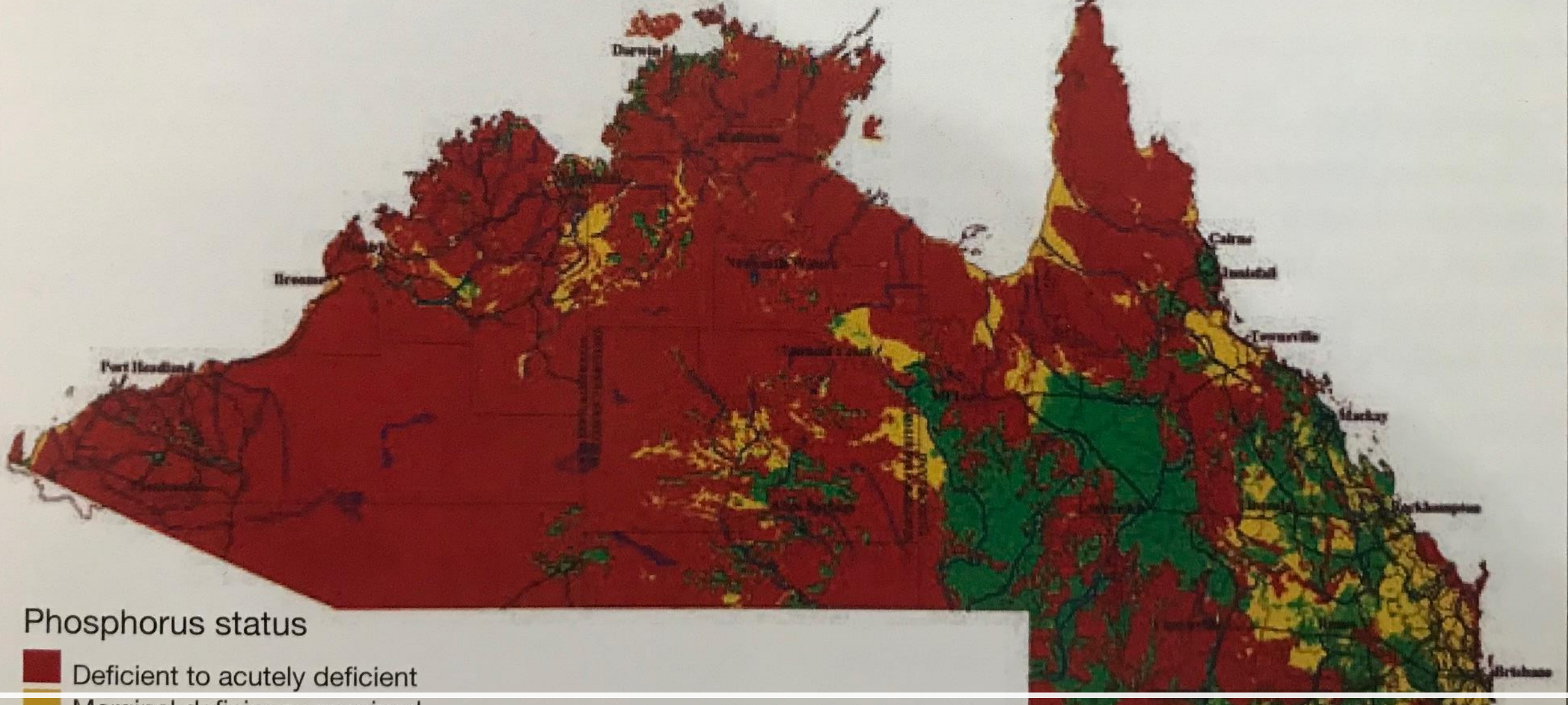
25th July 2023

Colin Randall

Executive Director,

Korella MCP Pty Ltd

Chatham Rock Phosphate Limited



Phosphorus status

- Deficient to acutely deficient
- Marginal deficiency or mixed
- Adequate (or unknown)

PHOSPHORUS DEFICIENT SOILS

Why do cattle need phosphorus?

A guide for northern beef producers



Phosphorus management of beef cattle in northern Australia



PHOSPHORUS
REQUIREMENT
FOR LICK AND
LICK BLOCKS

HIGH PHOSPHATE CONTENT

SOLUBLE

NO HEAVY METALS

NO FLUORINE

PALATABLE

Current sources of phosphorus

China

South Africa

Asia

Tunisia

USA

Europe

THE FIGURES

MCP DCP MDCP

- 100 per cent imported
- 50,000 tonnes per annum
- 75 per cent from China
- 60 percent into Brisbane for local manufacture



Some Australian Lick and Lick Block manufacturers



THE PROBLEMS

Fully imported phosphorus in the form of DCP, MDCP and MCP

Supply chain vulnerability

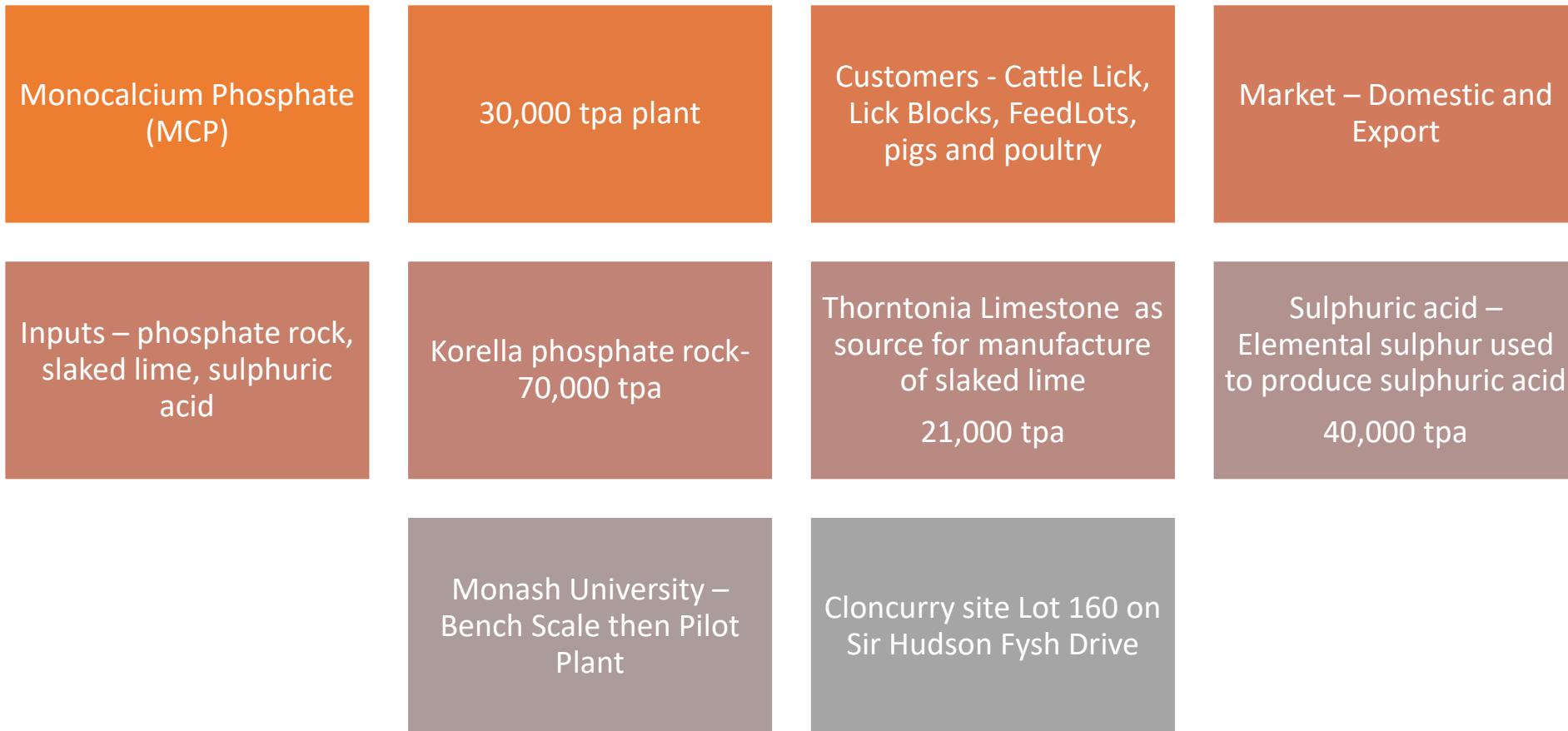
Poor quality control

AUSTRALIA NEEDS

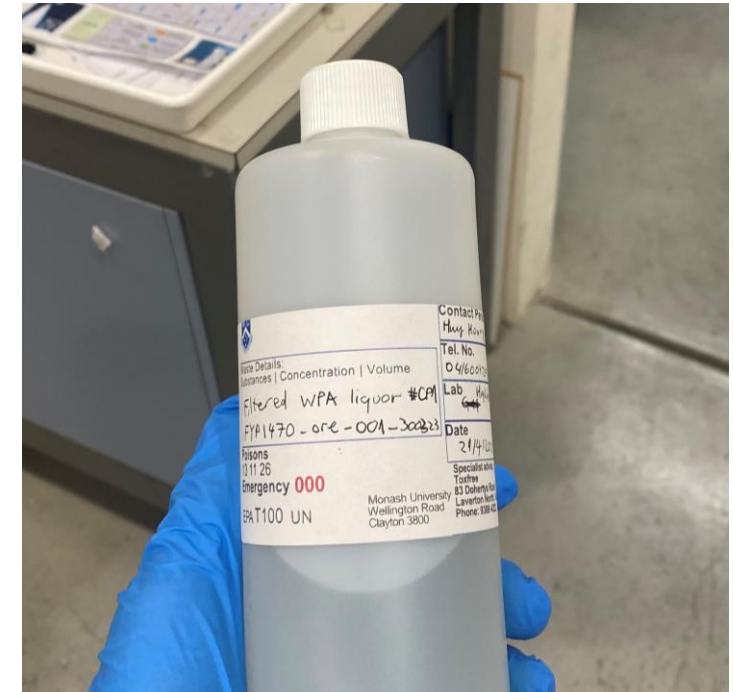
- Reliable quality
- Resilient supply chain
- Domestic production of MCP



KORELLA MCP PTY LTD



Monash University - Bench scale reactor



**Lot 160
Sir Hudson
Fysh Drive
Cloncurry
NW
Queensland**



An MCP factory in Cloncurry will end a glaring weakness in the nation's supply chain



Australia's cattle industry spends millions of dollars each year on feed supplements. (Supplements)



**Thank you for your attention.
Any questions?**

