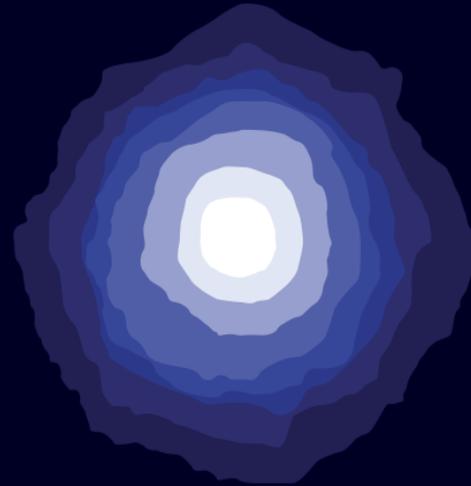


SIRIUS

MINERALS PLC



*THE FUTURE OF
FERTILIZER*

Agronomy update summary
May 2016

Important Notices



BASIS CPD Points – see full slide decks for reference number

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Agricultural industry in China

China's agricultural industry feeds over 1 billion people

POLY4 trials in China

■ Major agricultural regions



Key facts

- China produces 1.74 billion tonnes of crops contributing US\$873 billion to the global economy¹
- China is a diverse producer of crops such as chilli peppers, oilseed rape and tea
- By 2020, China aims to have no increases in fertilizer use²
- To maintain food security under this policy² China identifies the need for balanced fertilization from efficient nutrient sources like POLY4
- Ongoing crop trials demonstrate the effectiveness of POLY4 in delivering balanced fertilization

China dominates global agricultural production

POLY4's agronomic progress in China

Extensive and diverse programme of POLY4 field trials



Completed



Sichuan Academy of
Agricultural Science

Nanjing Institute of Soil Science

Yunnan Agricultural University

Current

Oilseed rape,
chilli peppers and tea



Sichuan Academy of
Agricultural Science

Nanjing Institute of Soil Science

Ongoing



Sichuan Academy of
Agricultural Science

Nanjing Institute of Soil Science

Yunnan Agricultural University

Chinese prospect for POLY4

The agronomic and market value of POLY4

Crop	Key Agronomic Facts	Crop Value (US\$ billions)	Area Harvested (000's ha)	POLY4 demand potential (Mtpa) ¹
 Oilseed Rape	<ul style="list-style-type: none"> • High sulphur demanding crop • Benefits from micro-nutrients 	12.4	7,519	4.3
 Chilli Peppers	<ul style="list-style-type: none"> • Chloride sensitive • Needs magnesium 	11.6	710	0.9
 Tea	<ul style="list-style-type: none"> • Partly chloride sensitive • Long term crop requiring gradual nutrient availability 	9.3	1,750	2.3
			TOTAL POLY4 EQUIVALENT	7.5

Notes: 1) POLY4 equivalent based on recommended K₂O application for oilseed rape = 80 kg K₂O/ha, chilli peppers = 175 kg K₂O/ha, tea = 180 kg K₂O/ha.
Sources: FAOSTAT 2013

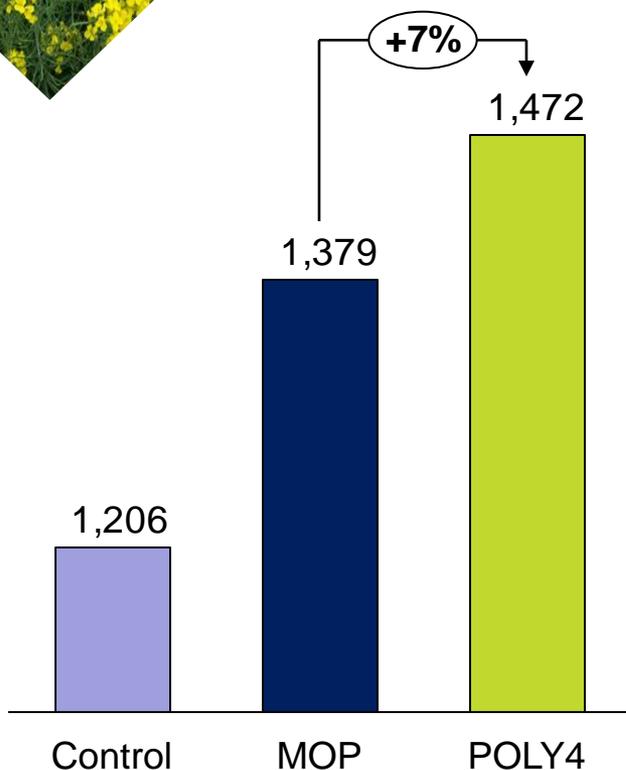
Summary of oilseed rape trial

POLY4 is an effective fertilizer source for use on oilseed rape

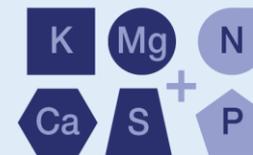


Yield

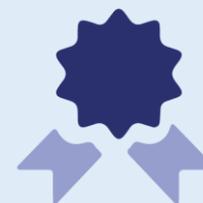
Grain dry weight yield
(kg/ha)



Added value beyond yields



Up to 25% higher
macro-nutrient uptake



Supporting premium
oil content

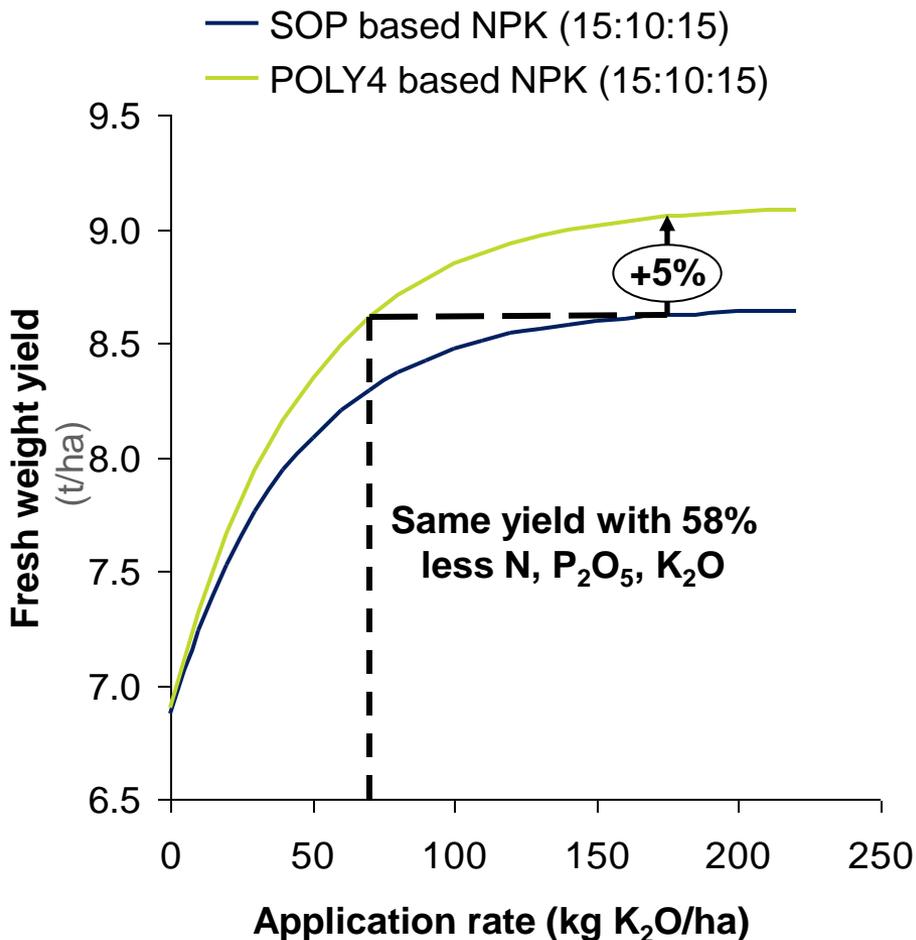


Delivering key yield nutrients
during seed development stage

Summary of chilli peppers trial

POLY4 delivers balanced fertilization in blends to chilli peppers

Yield



Added value in blends



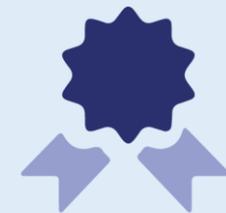
Significant increases in the number and weight of chilli peppers



Increased soil calcium, magnesium and sulphur



Enhancing plant nutrient status



Higher soluble solid, amino acid, vitamin C, capsaicin and pigment content

pH
EC

No negative effects on soil pH or EC

Summary of tea trial

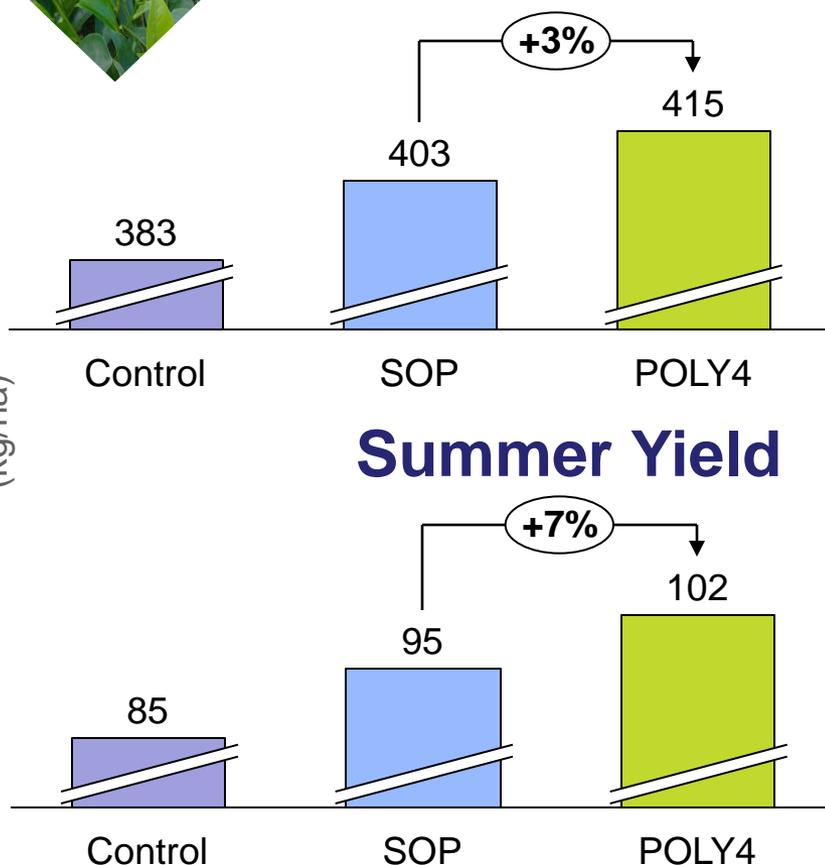
POLY4 is a low chloride fertilizer ideal for use in tea production



Spring Yield

Summer Yield

Dry weight yield
(kg/ha)

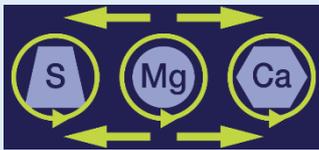


Added value beyond yields

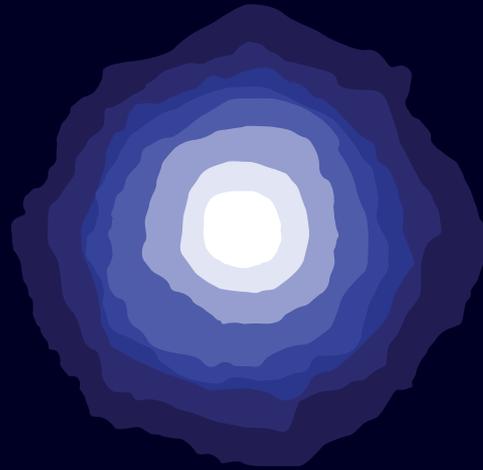
Tea quality (e.g. taste)
was maintained

pH Significantly higher soil pH

EC Significantly lower soil EC



Soil calcium, magnesium and sulphur
legacy significantly improved



Thank you