Growing
OILSEED RAPE
IN CHINA

KEY FINDINGS
Greater early growth
7% yield improvement
Increased revenue

A CASE FOR POLY4

• China is the second largest producer of oilseed rape, producing 13 million tonnes a year.
• Hubei is one of the main provinces growing the crop.
• Many soils in Hubei are deficient in potassium and sulphur. Yields from these soils are typically low (<2 t ha\(^{-1}\)).
• The crop benefits from a good supply of sulphur and potassium together with other macro and micro nutrients delivered from POLY4.

poly4.com
**GREATER EARLY GROWTH**

At the five-leaf stage, there was a large biomass increase after adding K. The MOP + POLY4 fertilized crops had the greatest biomass. The tallest plants at harvest were also from the MOP + POLY4 treatment.

**IMPROVED YIELD AND CROP VALUE**

Early growth improvements were followed by greater yield after using MOP + POLY4. The value of the crop was increased by US$98/ha.

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**TRIAL FOCUS**

To compare the response of oilseed rape to POLY4 fertilizer treatment with MOP.

**PARTNER**

Hubei Academy of Agricultural Science

**LOCATION**

Xianning, Hubei Province, China

**DATE**

2017

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**Notes:** 1) Crop statistics from FAOSTAT for 2017; 2) Each treatment received 165 kg N ha⁻¹ and 90 kg P₂O₅ ha⁻¹ from urea and TSP; 3) MOP + POLY4 ratio is on a K:K basis; 4) Cultivar HYZ 62; 5) Yield at 91% DM; 6) Initial soil analysis: pH 5.8, 1.7% SOM, 11 mg P kg⁻¹, 95 mg K kg⁻¹, 1070 mg Ca kg⁻¹, 85 mg Mg kg⁻¹; 7) Crop price (China minimum purchase price): US$805/t.