POLY4

An Anglo American Product

AngloAmerican in partnership with ADM

Unlocking Nature. Enriching Life.

SUPERIOR PERFORMANCE
EMPOWERED BY NATURE

K_2O 14% | S 19% | Mg 3.6% | Ca 11.4%

CHEMICAL ANALYSIS			
POLY4 chemical analysis	Expressed as	Typical (% w/w)	Guarantee (% w/w)
Potassium oxide equivalent	K_2O	14.0	14.0 (min)
Sulfur	S	19.0	19.0 (min)
Magnesium	Mg	3.6	3.6 (min)
Calcium	Ca	12.0	11.4 (min)
Chloride	Cl^-	1.86	2.95 (max)
Moisture	H_2O	0.4	

PHYSICAL PROPERTIES		
Component	Expressed as	Typical
Bulk density (tapped)	lb/ft^3	87.3
–	kg/m^3	1401
Bulk density (loose)	lb/ft^3	80.3
–	kg/m^3	1289
Drained angle of repose	Degree	34
Poured angle of repose	Degree	33

PARTICAL SIZE DISTRIBUTION			
Tyler mesh	US mesh	Size (mm)	Typical
9-5	5-10	2-4	90-95%

See data specification sheets on www.poly4.com

www.ADMadvantage.com/fertilizer

Follow us on social media

OUTSTANDING
FERTILIZER QUALITY

Particle size

POLY4 granules are manufactured within **2mm** to **4mm** (5-10 mesh) consistent grade pattern – **optimal** for agronomic performance, storage, handling, spreading and blending.

Crush strength

POLY4 has a crush strength of **47 lbF-ft – optimal** for handling, distribution and field application.

Abrasion resistance

POLY4 is resilient to handling. POLY4 **reduced abrasion** losses to near zero in steam-granulated NPK compounds — **important** during transit, handling, storage and application.

Relative humidity (RH)

POLY4 has an RH of **70%** similar to other fertilizers. Attracting less moisture is **important** for lowering caking propensity and increasing shelf life.

SIMPLE PRODUCTION PROCESS

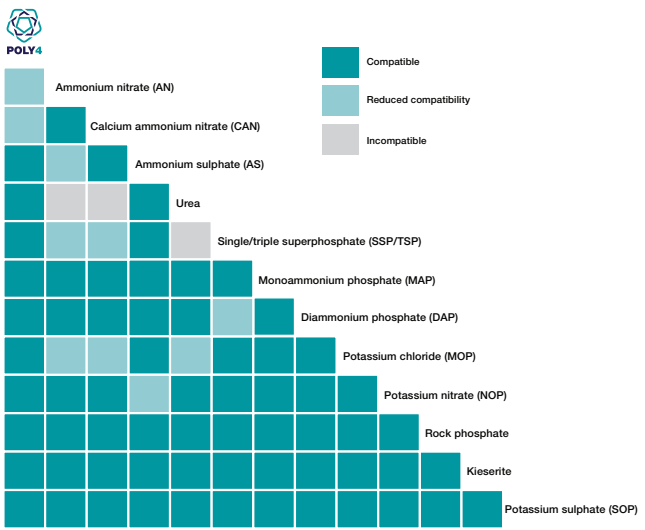
POLY4 produces no waste and requires no chemical processing with a 1:1 polyhalite ore-to-product ratio.

AngloAmerican **Producer**

ADM **Sole distributor in North America**

COMPATIBILITY IN BLENDS

POLY4 is a compatible input for blending in NPK fertilizers and can be manufactured in dry blends or compacted, steam-granulated and chemical compounds.



*Tested by International Fertilizer Development Center (IFDC), 2017-2018 (66000-IFDC-60010-17).

MAXIMIZED YIELDS, **INCREASED** ECONOMICS

POLY4 delivers four of the six essential macro nutrients and a wide range of micro nutrients **fused in one granule**.

Applied at the right nutrient ratio, POLY4 increases nutrient uptake providing ongoing nutritional support throughout the crops' growth cycle. This results in increased efficiencies through higher yields, reduced costs or both.

POLY4 IMPROVES **YIELD***

Corn

+5% yield against MOP

POLY4 is a sustained release sulfate-sulfur fertilizer for corn.

Soybean

+8% yield against MOP

POLY4 offers greater potassium and sulfate-sulfur offtake.

Potato

+4% yield against MOP balanced

POLY4 improves quality of potatoes such as dry matter content.

Cotton

+4% yield against MOP balanced

POLY4 maintains cotton quality producing long and strong cotton fibres.

*Sources: Data from FAOSTAT (2017) and USDA Cotton Outlook (2017); Corn (5 MN trials): 14000-UMN-14018-17, 14019-18; Soybean (3 MN trials): 14000-UMN-14020-18,14018-17,14015-16; Potato (5 WI and MN trials): 13000-UWI-13010-14; 14000-UMN-14010-14, 14011-15, 14014-16, 14017-17; Cotton (2 VA trials): 23000-VIR-23010-15, 23020-17.

BEYOND THE **NUTRIENT VALUE**

- Works on both broad-acre and high-value crops
- Gradual and sustained release of nutrients from application through to harvest
- Improves nutrient uptake of nitrogen and phosphorus
- Ideal for chloride-sensitive crops
- Preserves and enhances soil nutrient legacy
- Supports crop health and increases disease defense function
- Suited to machine application with at least a 100 feet (up to 120 feet) uniform spread width

PROTECTING THE **ENVIRONMENT**

- The lowest CO_2 emissions compared to a range of other fertilizers such as MOP, AS, SOP
- Low in chloride
- pH neutral
- Improves soil nutrient legacy
- High fertilizer use efficiency