

Optimise Your Nitrogen
Uptake with

SOAR®

S U L P H A T E O F A M M O N I A

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impact
fertilisers

Optimise Your Nitrogen Uptake with Impact SOAR, Delivering a Quality Source of Sulphur and Nitrogen



Impact SOAR is a sulphate of ammonia granular fertiliser, providing a balanced source of both nitrogen and sulphur in pasture and cropping situations.

SOAR is manufactured at Impact's joint venture sulphate of ammonia manufacturing plant in China. This sulphate of ammonia plant located in Tianjin, China has strict quality control measures to produce a product that meets Australian market specifications.

Why use Impact SOAR?

- ✓ Quality source of nitrogen and sulphur readily available to plants
- ✓ Reduces nitrogen losses to volatilisation when compared to urea
- ✓ Available in both blends and as a straight

Analysis	N	P	K	S
SOAR	21	00	00	24

Nitrogen Availability

Impact SOAR releases nitrogen to the soil directly as ammonium (NH_4^+), which is converted by bacteria to nitrate. This process is favoured by conditions conducive to microbial activity, such as warm temperatures, moisture and organic matter. Where conditions exist that nitrogen losses through volatilisation of Urea occur, sulphate of ammonia can be a more efficient source of nitrogen.

This is due to hydroxyl released from urea hydrolysis causing an increase in soil pH, subsequently increasing the potential of ammonia gas volatilization. In contrast, ammonium from sulphate of ammonia will rapidly begin to convert to nitrate, and the acidity released from nitrification of sulphate of ammonia may decrease the soil pH and reduce the gaseous loss in alkaline conditions. Data shows that losses to volatilisation in surface-applied sulphate of ammonia is between 1.0% to 2.5%, in comparison Urea applied in winter is 36.8% to 38.9%. (Graham Price, 2006)

Sulphur Availability

Sulphur in SOAR is in the sulphate form, which is readily available to plants for immediate uptake. Sulphur plays a vital role in chlorophyll formation, photosynthesis, cell metabolism and plant growth. Sulphur is also closely associated with nitrogen uptake and efficiency, therefore applying sulphur and nitrogen in the same application to maximise nitrogen uptake is the best way to ensure a great return on investment.

Price, G., 2006. Australian soil fertility manual. 3rd ed. Melbourne: CSIRO Publishing, p.63.

For further information, please contact your Area Sales Manager or our Customer Support Team on 1800 88 44 88

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