



SPECIFICATIONS



Tiger Micronutrients® Manga-Sul 5%

(80% S, 5% Mn)

Granular Micronutrient Fertilizer

PRODUCT DESCRIPTION

Tiger Micronutrients® Manga-Sul 5% is a formulation of granular micronutrients that offers several improved features over conventional micronutrient sources.

- Improved handling characteristics and uniform sizing.
- Micro-site activity enhances oxide oxidation and conversion to plant available form.
- Dual-nutrient formulation allows for greater value over conventional sources.

Tiger Micronutrients Manga-Sul 5% is a unique, micronutrient fertilizer that delivers agronomic and economic benefits.

Tiger Micronutrients Manga-Sul 5% provides a cost effective method of correcting manganese deficiencies. Manganese deficiency symptoms can vary with crop species. Manganese reacts chemically in soil and becomes fixed with other elements at soil pH greater than 6.5. Excessive amounts of manganese can become available when soil pH is below 5.5 and result in plant toxicity. Consult a **Tiger-Sul** account manager, **Tiger-Sul** agronomist, or other agronomic specialist regarding deficiency or toxicity symptoms.

Guaranteed Analysis:	80% Sulphur, 5% Manganese			
PHYSICAL PROPERTIES				
Color:	Gray Pastilles			
Fertilizer Granule Size:	340 SGN			
Angle of Repose:	29°			
Breakage Tests (% Fines Produced):	<5%			
Impact (SLI):	0.2%			
Abrasion (SLII):	0.4%			
Bulk Density:	72 lbs/ft ³			
Package Sizing:	Canada (Irricana Facility)		USA (Atmore Facility)	
	25 kg bags	1000 kg MBB	50 lbs. bags	2000 lbs. MBB
	Bulk Truck		Bulk Truck	Bulk Rail

Global Headquarters

4 Armstrong Road, Suite 220
Shelton, Connecticut 06484
Phone: 203.635.0190
Fax: 203.549.0768

www.tigersul.com
info@tigersul.com

Production Facility

275137 Range Road 263
Irricana, AB T0M 1B0
Mailing Address: P.O. Box 126
Irricana, AB T0M 1B0
Toll-Free: 877.299.3399
Phone: 403.935.4197
Fax: 403.935.0112

Production Facility

29 Byrne Drive
Atmore, Alabama 36502
Mailing Address: P.O. Box 5
Atmore, Alabama 36504
Toll-Free: 800.239.3647
Phone: 251.202.3850
eFax: 203.w823.4710

Production Facility

61 Stork Road
Stockton, CA 95203
Phone: 209.242.7600
Fax: 209.644.6804



Tiger Micronutrients® Manga-Sul 5%

GENERAL APPLICATION AND USE RECOMMENDATIONS

Tiger Micronutrients Manga-Sul 5% fertilizer, when used as a part of a balanced fertility program, can provide a season-long source of sulphur and manganese. **Tiger Micronutrients Manga-Sul 5%** can be applied alone or blended with granular fertilizers. Amount required should be based on agronomic recommendations from soil tests, tissue analysis, crop species, and soil organic matter content. **Tiger Micronutrients Manga-Sul 5%** can be applied by broadcast or banded beside the seed row. Band application is the preferred method as soil contact is minimized which reduces Mn fixation before plant uptake can occur. Since sulphur oxidation occurs gradually the Mn oxide conversion is gradual and will reduce the potential for Mn fixation which permits the opportunity for broadcast application.

Further information on sulphur and micronutrient application rates can be obtained in the **Tiger-Sul Micronutrient Application and Rates Brochure**: <https://www.tigersul.com/micros-apps-rates/>.

Tiger Micronutrients® fertilizers are environmentally safe. The reduced levels of non-essential nutrients (heavy metals), are significantly below current industry standards.

HANDLING AND STORAGE

Tiger Micronutrients fertilizers will blend and store well with other granular fertilizer products. Accepted blending and handling procedures should be followed when using **Tiger Micronutrients fertilizers**. Good housekeeping is necessary when handling sulphur based products. **Tiger-Sul Products** uses a special anti-dust agent to minimize air borne dust. Always use stringent dust control procedures to prevent concentrated flammable dusts from reaching a spark or flame source. Sulphur based materials should not be blended or stored with strong oxidizing agents such as ammonium nitrate. Avoid extensive use of augers due to fracturing of the product.

FIRST AID

SKIN CONTACT: Wash with mild soap and water. Seek medical attention if irritation occurs.

EYES: Flush with running water for at least 15 minutes. Remove contacts during flushing (if applicable). Seek medical attention if irritation persists.

INGESTION: Irritation may occur, seek medical attention.

INHALATION: Remove to fresh air environment. Seek medical attention.

Disclaimer: Reasonable effort was employed to ensure the accuracy of the information presented at the time of publishing. However, there is no warranty, either expressed or implied, regarding the adequacy, validity, reliability, or completeness of any information herein.

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