




**wolf trax**<sup>®</sup>  
INNOVATIVE NUTRIENTS

## WOLF TRAX MANGANESE DDP – APPLICATION RATE GUIDELINES (FERTILIZER COATING)

The following table can help you choose the appropriate Wolf Trax DDP<sup>®</sup> application rate. To select a precise rate within each range suitable for your local cropping conditions, please consult your local Wolf Trax retailer or representative.

	RATE CATEGORY		
	Maintenance Rate	Moderately Deficient	Severely Deficient
	+	++	+++
	Recommend this rate for growers who prefer to routinely top up Manganese level on an annual basis due to crop removal of nutrients.	Recommend this rate where "hidden hunger" is a concern, OR where soil tests refer to Manganese levels as being "marginal".	Recommend this rate where symptoms are highly visible either field wide or in patches, OR where soil test level for Manganese is "deficient".
<b>Soil Test Indicators</b>	Soil test reads >1 ppm DTPA-extractable Manganese	Soil test reads 0.5 to 1 ppm DTPA-extractable Manganese	Soil test reads < 0.5 ppm DTPA-extractable Manganese
<b>How you may have fertilized in the past for this problem</b>	You may have applied 1.12 to 3.36 kg per hectare of actual Manganese (formulated as granules), OR < 0.56 kg of Manganese as a foliar to solve this problem	You may have applied 3.36 to 5.6 kg per hectare of actual Manganese (formulated as granules), OR 0.56 to 0.84 kg of Manganese as a foliar to solve this problem	You may have applied >5.6 kg per hectare of actual Manganese (formulated as granules), OR > 0.84 kg of Manganese as a foliar to solve this problem
<b>What you can do with Wolf Trax Manganese DDP as a fertilizer coating for this problem</b>	Apply 0.45 – 0.56 kg per hectare of Manganese DDP as a coating on macro blend	Apply 0.56 to 2.24 kg per hectare of Manganese DDP as a coating on macro blend	Apply > 2.24 kg per hectare of Manganese DDP as a coating on macro blend - to a maximum retention rate of approximately 1% w/w of the macro blend

**NOTE:** A program approach that uses a combination of soil applied and foliar applied Manganese DDP may be considered when deficiency is severe.