

# Technical Bulletin

## RSA Flo Cel™ Manganese 27

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### Introduction

RSA Flo Cel™ Manganese 27 is a high analysis liquid manganese product. It supplements a well balanced fertilizer program and should be used to correct and prevent manganese deficiency. RSA Flo Cel™ Manganese 27 can be used in three different applications: as a seed treatment, as a foliar application, and for dry fertilizer impregnation.

### Functions and Symptoms

Manganese is essential as an enzyme activator which helps with nitrate assimilation. It is closely associated with copper, iron and zinc as a catalyst in plant growth processes. It is primarily involved in photosynthesis and chlorophyll production.

Deficiency symptoms include: yellowing of the leaves with the veins will remain dark green, leaf veins remain dark green, occurrence all over the plant, and stunted growth.



### Benefits

RSA Flo Cel™ Manganese 27 provides a number of benefits including:

- Providing high levels of manganese
- Application with a wide range of other agricultural chemicals, reducing the number of spray applications.
- Assists in nitrate assimilation
- A free flowing formulation that makes it easy to decant into spray equipment and mixing tanks.

### Crops Labeled

All agricultural crops where manganese is needed.

### Use Rates and Timing

RSA Flo Cel™ Manganese 27 is most often recommended at 1/2 pint to 1 pint per acre. Consult the label for specific crop rates. For seed treatments, apply RSA Flo Cel™ Manganese 27 liquid at the rate of 2 to 3.8 fluid ounces per 100 pounds of seed. This rate will result in the application of



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## Manganese 27

1.042 – 1.979 dry ounces of actual manganese per 100 pounds of seed.

### Precautions

Avoid mixing with strong acid or strong oxidizing agents. Do not apply under extreme environmental conditions.

### Contents

Guaranteed Analysis

2.5 –0 –0

Nitrogen (N).....2.5%

Manganese (Mn).....27%

Derived from urea and manganese carbonate.

Each gallon contents 4.17 lbs of manganese.

### Technical Specifications

<b>Product class</b>	fertilizer
<b>Formulation</b>	liq. flowable
<b>Weight/ gallon</b>	15.43 pounds
<b>Specific gravity</b>	1.82-1.83
<b>pH</b>	8-7
<b>Appearance</b>	pink to light brown suspension
<b>Odor</b>	odorless
<b>Min. storage temp.</b>	32°F*
<b>Container size</b>	2.5 gallons
<b>Packaging</b>	50 jugs/pallet

\* do not allow to freeze.

**This bulletin provides some technical information and is not intended to give complete information for all applications. Always read and follow label directions.**

RSA Flo Cel™ Manganese 27 is manufactured for RSA MicroTech, LLC.

