

SOIL



DEFENSE-MAN

DEFENSIVE NUTRITION SUPPLEMENT

Defense-Man is a concentrated 25% manganese organic acid chelate intended for soil application. The organic chelation ensures rapid plant availability and encourages microbial proliferation in the soil. **Defense-Man** also contains 0,5% magnesium.

Defense-Man will provide superior root absorption of manganese, which is essential for:

- **Stress Resistance through Lignin Formation**
- **Color Enhancement**
- **Enzymatic Functions**

Manganese, which is typically low in golf course soils, is critical to stress tolerance. Research at Rutgers University concluded that plant available root absorbed manganese reduced Take All Patch damage to turf by about 70%.



Defense-Man utilizes a unique packaging format targeting ease of handling, longer shelf life, and reduced shipping costs.



For the strongest turf™

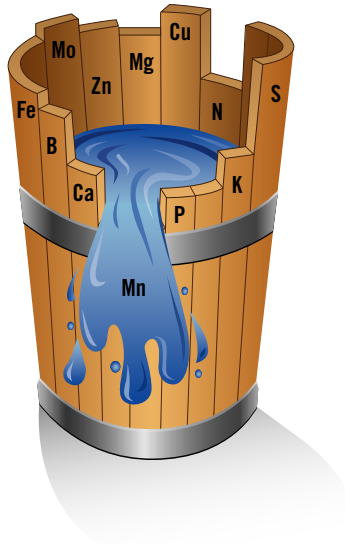
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nutritional defense

LIEBIG'S LAW

Law of the Minimum

Plant growth is constrained by essential element that is most limiting.



NUTRIENT CONTENT

Manganese (Mn) 25,0%

Net Mass: 0,7 kg/jug

Manganese

Mn

At. Wt. 54.94

PROFESSIONAL USE GUIDELINES

DIRECTIONS FOR USE: *Defense-Man* is a soluble pre-mix powder packaged in one gallon jugs for ease of use. Each container includes 0,7 kg. Open container and fill with water leaving adequate head space for agitation. Use of warm water is preferable. Replace cap and shake vigorously until powder is fully dissolved and dispersed. Add to spray tank. Do not introduce to tank until solubilized in container.

APPLICATION RECOMMENDATIONS: *Defense-Man* is designed for soil applications. *Defense-Man* may be applied at any time to correct manganese deficiency. Apply 2,8 kg (4 containers) / ha and water in lightly immediately after application. Apply every 4-6 weeks as needed. Do not apply to turf under severe stress. Lightly water in after spraying.

TANK MIX COMPATIBILITY: *Defense-Man* mixes well with most other liquids and wettable materials. Local water supplies vary in chemical composition, however, and compatibility of spray tank components should always be checked with the standard jar test.



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