



Reg No K3735 * Act 36 of 1947

DynoCMZ is a liquid foliar nutrient amino acid, fulvic acid chelated formulation of Zinc, Manganese, Copper, Boron, Molybdenum, Cobalt and Nickel that can be used on all crops where **deficiencies** of these elements are prevalent. **DynoCMZ** is a water soluble solution and is efficiently taken up by plant leaves.

Composition:

Zinc (Zn).....	29507 mg/kg
Manganese (Mn).....	48755 mg/kg
Copper (Cu).....	17999 mg/kg
Boron (B).....	2515 mg/kg
Cobalt (Co).....	185 mg/kg
Nickel (Ni).....	194 mg/kg
Molybdenum (Mo).....	721 mg/kg
Amino Acids.....	6%
Fulvic Acid.....	2%

An amino and Fulvic acid chelated product, a slight residue might be present that will dissipate after shaking of the container. Shake well before use.

Product Properties:

S.G:	1.20 ± 0.02
pH:	3.87 ± 1
Appearance:	Light brown slightly murky

RESTORING NATURE'S BALANCE

A Biological Equilibrium Farming Product



Product Characteristics:

Registered, Manufactured & Distributed by Agrilibrum. Suite 120, Private Bag X1, Melkbosstrand, 7437, Western Cape, South Africa | 021 553 4867 | www.agrilibrum.co.za

Zinc, Manganese and Copper are essential for chlorophyll formation, energy production and form an integral part of the anti-oxidant system that is responsible for the protection of the chloroplast and mitochondrion against oxidative damage during stress conditions. **Boron** is essential in optimizing cell wall and membrane structure and strength as well as cell elongation and growth, particularly in association with auxin formation and root growth. It also contributes to successful pollination and fruit set. **Molybdenum, Cobalt and Nickel** are essential to optimize nitrogen fixation specifically in leguminous crops and to improve nitrogen metabolism in crops in general

DynoCMZ is taken up very efficiently as a foliar spray or irrigation applied formulation and should be used on all crops to specifically alleviate Zinc, Copper and Manganese deficiencies. It should be applied simultaneously where necessary, with foliar applications of **DynoMoB, BioKelp and BioPhos** and **0.2% FulMax** as a chelating, wetting and uptake enhancer.

Directions for use: Use only as directed. Shake well

DynoCMZ is compatible with most agrochemical products but it is recommended that a compatibility drinking glass test be done before mixing with other chemicals.

Spray solution water must be buffered between pH 4.5 and 5.5.

- Do not mix **DynoCMZ** with highly alkaline materials.
- Application concentrations should **never be lower than 0.75% for maintenance** applications and up to a maximum spray concentration of **2% for rectification of specific problems (1 – 2 ℓ /100ℓ water)**.
- When used in combination with other products that might pose a phytotoxic risk, the total spray concentration should not exceed 1.5%
- Where overhead irrigation systems are in use, avoid scheduling irrigation directly after application.
- Apply foliar sprays **during cool periods of the day**.
- Do not apply to wilted leaves
- Use **FulMax** (0.2%, 200mℓ /100ℓ water) in the spray mixture as wetter/spreader/re-wetter to ensure efficient uptake of the nutrients through the leaf surface.

Optimal application dosage concentration based on dosage response results

Total tank concentration should never be lower than 0.75% (750mℓ/100ℓ) and preferably 1 – 2% (1 – 2ℓ/100ℓ).

General Recommendation:

Crop	Max rate/ha	Rate /100ℓ water	Remarks
Pome Fruit: Apples Pears	0.75% - 2% DynoCMZ Add 100 - 200 mℓ/100ℓ FulMax to improve uptake and efficiency.	For rectification of deficiencies: 750mℓ - 2000mℓ DynoCMZ plus 100mℓ FulMax per 100ℓ tank solution	Apply as a medium to low volume (500ℓ -1000 ℓ) foliar spray in a regular program commencing during spring. First application 2 weeks after first flush with 14 to 21 day intervals up to end of harvest. 50% wetting sufficient.
Stone fruit: Apricots, Peaches, Plums		OR	
Sub-Tropical Fruit: Mango, Avocado, Macadamia, Pecan, Bananas, Litchis		For growth stimulation and maintenance up to 500mℓ BioKelp plus 500mℓ ByoPhos plus 500mℓ DynoCMZ plus 250mℓ DynoMoB plus 100mℓ FulMax /100 ℓ tank solution	
Citrus:			

<p>Grapes: Table grapes Wine grapes</p>	<p>0.75% - 2% DynoCMZ</p> <p>Add 100 – 200 ml/100ℓ FulMax to improve uptake and efficiency.</p>	<p>For rectification of deficiencies: 750mℓ - 2000mℓ DynoCMZ plus 200mℓ DynoMoB plus 100mℓ FulMax per 100ℓ tank solution</p> <p style="text-align: center;">OR</p> <p>For growth stimulation and maintenance up to 500mℓ BioKelp plus 500mℓ ByoPhos plus 500mℓ DynoCMZ plus 250mℓ DynoMoB plus 100mℓ FulMax /100 ℓ tank solution</p>	<p>Apply as a medium to low volume (500ℓ -1000 ℓ) foliar spray. First application between flowering and fruit set. Last application no later than veraison for tablegrapes and during the lag phase (berry is pea size) for wine grapes.</p>
<p>Root Vegetables: Potatoes Sweet Potato</p>	<p>0.75% - 2% DynoCMZ</p>	<p>For rectification of deficiencies: 500mℓ - 2000mℓ DynoCMZ plus 200mℓ DynoMoB plus 100mℓ FulMax per 100ℓ tank solution</p> <p style="text-align: center;">OR</p>	<p>Apply as a medium to low volume (100ℓ- 250ℓ) foliar spray in a regular program commencing 2 weeks after germination or from 4 leaf stage onwards. Apply at least once every 14 days during the growing season.</p>
<p>Other Vegetables: Tomatoes, Peppers</p>	<p>Add 100 - 200 ml/100ℓ FulMax to improve uptake and efficiency.</p>	<p>For growth stimulation and maintenance up to 500mℓ BioKelp plus 500mℓ ByoPhos plus 500mℓ DynoCMZ plus 250mℓ DynoMoB plus 100mℓ FulMax /100 ℓ tank solution</p>	<p>Apply as a medium to low volume (100ℓ- 250ℓ) foliar spray in a regular program commencing 2 weeks after germination or from 4 leaf stage onwards. Apply at least once every 14 days during the growing season.</p>
<p>Grain: Wheat, Maize, Canola</p>	<p>0.75% - 2% DynoCMZ</p> <p>Add 100 - 200 ml/100ℓ FulMax to improve uptake and efficiency.</p>	<p>For rectification of deficiencies: 500mℓ - 2000mℓ DynoCMZ plus 200mℓ K Train plus 100mℓ FulMax per 100ℓ tank solution</p> <p style="text-align: center;">OR</p> <p>For growth stimulation and maintenance up to 500mℓ K Train plus 1000mℓ DynoCMZ plus 100mℓ FulMax /100 ℓ tank solution</p>	<p>First application 2-3 weeks after germination (4-5 leaf stage). Follow up application at flag leaf stage (if possible).</p>

- Due to the variation of soil and soil types from area to area, a full recommendation will only be possible once a **soil analysis and 1:2 water extract** analysis has been done.
- Recommendations are also based on requirements for different crop types.

Contact your **Agribrium** representative to obtain a crop specific Plant Stress Management™ recommendation.