

TECHNICAL DATA SHEET

CE-FORCE FULLMAN

Document code	CEON-047-TDS-R05
Product category	High-manganese potassium fertiliser with bio-activators
Physical form	Water-soluble solid formulation
Packaging	100 g, 250 g
Catalogue reference	CEON Product Catalogue, page 60

1. Product overview

A highly concentrated manganese-potassium formulation supported by bio-activators and organic acids. It is designed for rapid manganese correction, chlorophyll formation, fruit colour and quality, and support of plant metabolic activity.

2. Guaranteed analysis

Declared component	Guaranteed content
Water-soluble manganese (Mn)	25% w/w
Water-soluble potassium oxide (K ₂ O)	30% w/w
Bio-activators	10% w/w
Organic acids	3% w/w

3. Agronomic positioning

- Very high readily available manganese concentration
- Supports chlorophyll formation and photosynthesis
- Potassium contributes to fruit filling, colour and storage quality
- Organic acids assist uptake and compatibility in hard-water programmes
- Supports crop performance under cold, drought and frost stress

4. Recommended application framework

Application route / crop group	Recommended framework
Foliar	100-300 g per 100 L water
Soil / fertigation	6-10 kg/ha
Vegetables and berries	4-5 applications from early growth to harvest where required
Fruit trees and vines	3-4 applications from flowering through fruit development

Application rates are programme guidance derived from the catalogue and agronomic practice. The approved destination-market label, crop sensitivity, soil/leaf analysis, irrigation volume and local regulation take precedence.

5. Mixing and application procedure

- Fill the tank with 30-50% clean water and start agitation.
- Pre-dissolve the measured product in a separate clean container where practical.
- Add the solution slowly to the main tank while maintaining agitation.
- Add compatible plant-protection products only after a jar test and according to their label order.
- Complete filling with water, maintain agitation and use the mixture promptly.
- Flush fertigation lines and spray equipment with clean water after use.

6. Compatibility and precautions

Do not use as a pesticide or disease-control claim unless specifically authorised. Its role is nutritional and physiological support. Conduct compatibility testing before tank mixing.

- Do not mix concentrated fertiliser solutions together unless compatibility is confirmed.
- A small-scale jar test is required before new combinations.
- Avoid application during extreme heat, frost, drought stress or intense sunlight.
- Use clean, low-sediment water and appropriate filtration in drip systems.

7. Storage and shelf-life controls

- Store sealed in the original package in a cool, dry, ventilated place.
- Protect from direct sunlight, moisture, frost and excessive heat.
- Keep away from food, feed, children and unauthorised persons.
- Reseal opened packages immediately to avoid caking or contamination.
- Shelf life is governed by the approved commercial label and batch release documentation.

8. Quality control and release

Each batch should be released against an approved specification using validated analytical methods appropriate to the declared nutrient. Identity, appearance, solubility/moisture where relevant, nutrient content, packaging integrity, lot coding and traceability should be verified before dispatch.

9. Regulatory statement

This TDS is a technical and commercial support document. It is not a substitute for the legally approved product label, registration dossier, destination-country fertiliser regulation, batch COA or final SDS classification. Claims must be adapted to the authorised market.