

TECHNICAL DATA SHEET

FERROKING

Document code	CEON-045-TDS-R05
Product category	EDDHA-chelated iron fertiliser
Physical form	Dark red to black water-soluble microgranule/powder
Packaging	1 kg, 5 kg, 10 kg
Catalogue reference	CEON Product Catalogue, page 57

1. Product overview

A high-purity EDDHA-chelated iron fertiliser with a high ortho-ortho fraction for persistent iron availability, particularly in calcareous and alkaline soils where iron chlorosis is common.

2. Guaranteed analysis

Declared component	Guaranteed content
Water-soluble iron (Fe)	6% w/w
Iron chelated as EDDHA, ortho-ortho fraction	4.5% w/w

3. Agronomic positioning

- Rapid and durable correction of iron chlorosis
- High ortho-ortho content supports stability at elevated soil pH
- Promotes chlorophyll formation and restoration of green leaf colour
- Suitable for soil application, fertigation and hydroponic stock solutions
- Highly soluble and easy to dose when handled correctly

4. Recommended application framework

Application route / crop group	Recommended framework
Young vegetables	10-15 kg/ha/season
Young fruit trees	6-16 kg/ha/season
Adult fruit trees	15-40 kg/ha/season
Citrus, vines and flowers	6-50 kg/ha/season depending on crop age and chlorosis severity

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

Best applied to moist soil in the active root zone. Protect the product and prepared solutions from intense light where practical. Do not combine concentrated iron chelate with incompatible oxidising products.

- 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.