



EN Technical Data Sheet

Version: 2.0 Version Date: 2024-06-20

Granupermanent®CRF 18+7+15+2CaO+2MgO+Fe

PFC 1 (C)(I)(a)(ii)

Controlled Release NPK mineral macronutrient fertilizer with magnesium and micronutrients.

Analysis & declared nutrient contents by mass:

| Component | Unit | Typical | |
|-----------------------------------|------|--------------|--|
| N, total | % | 18.51 | |
| NH ₄ | % | 7.25 | |
| NO ₃ | % | 5.47 | |
| urea | % | 5.79 | |
| P₂O₅ | % | 7.16 | 3.5% water-soluble phosphorus pentoxide 3.5% phosphorus pentoxide soluble in neutral ammonium citrate |
| K₂O | % | 15.20 | water-soluble potassium oxide, low in chloride |
| CaO | % | 2.82 | water-soluble calcium oxide |
| MgO | % | 2.32 | water-soluble magnesium oxide |
| SO ₃ | % | 12.56 | water-soluble sulphur trioxide |
| B | % | - | |
| Cu | % | - | |
| Fe | % | 0.50 | |
| Mn | % | - | |
| Mo | % | - | |
| Zn | % | - | |

Benefits of Mivena Durable®CRF biodegradable coating:

- Highest release (>90%) effectiveness within longevity period
- Optimal, unique and consistent low-start, high-end release
- No exponential release at higher temperatures
- Minimal level of ammonium volatilization
- No swelling or leaching granules



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Granupermanent®CRF Controlled Release Fertilizer

Typical packaging: 20kg PE bag

Granules: typical size 1-4mm,

95% of which pass through 4.5mm sieve



| Coated | Unit | Typical |
|--------|------|---------|
| N | % | 31 |
| P | % | - |
| K | % | - |

Application – General recommendations

| Longevity | Low feeding | Average feeding | High feeding |
|------------|---------------------|---------------------|---------------------|
| 2-3 months | 20 g/m ² | 25 g/m ² | 30 g/m ² |
| 3-4 months | 25 g/m ² | 30 g/m ² | 35 g/m ² |
| 5-6 months | 30 g/m ² | 35 g/m ² | 40 g/m ² |

The rate of nutrient releases can vary according to the temperature of the substrate. An adjustment of fertilisation may be necessary. Please contact us for specific recommendations and avoid over-fertilisation. To be used only where there is a recognized need. Do not exceed the application rate.

Transport, storage & packaging

- Delivered on pallets in 20kg PE bags with UV-cover or in 500 / 1000kg big bags.
- Transport and store between 5°C and 40°C. Avoid large temperature changes. Keep dry and in a well-ventilated place. Protect against frost, moisture and direct sunlight. Keep in original packaging.
- After opening, re-cover any unused bags with original UV-cover for optimal protection.