



EN Technical Data Sheet

Version: 1.2 Version Date: 2024-11-20

Granupermanent® Basic CRF 20+5+10+4CaO+4MgO+TE

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

Controlled Release NPK mineral macronutrient fertilizer with calcium, magnesium and micronutrients.

Analysis & declared nutrient contents by mass:

Component	Unit	Typical	
N, total	%	20.83	
NH ₄	%	1.10	
NO ₃	%	-	
urea	%	19.73	
P₂O₅	%	5.40	2.7% water-soluble phosphorus pentoxide 2.7% phosphorus pentoxide soluble in neutral ammonium citrate
K₂O	%	10.50	water-soluble potassium oxide, low in chloride
CaO	%	4.09	water-soluble calcium oxide
MgO	%	4.25	water-soluble magnesium oxide
SO ₃	%	15.03	water-soluble sulphur trioxide
B	%	0.0060	water-soluble boron
Cu	%	0.0060	water-soluble copper
Fe	%	0.1200	
Mn	%	0.0400	water-soluble manganese
Mo	%	0.0002	water-soluble molybdenum
Zn	%	0.0250	water-soluble zinc

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	%	10
P	%	-
K	%	-
SRU	%	85

Application – General recommendations

Longevity	Low feeding	Average feeding	High feeding
1-2 months	20 g/m ²	25 g/m ²	30 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.