

PROFICOTE®

CONTROLLED RELEASE FERTILIZER



17%
N

7%
P

9%
K

2%
MgO

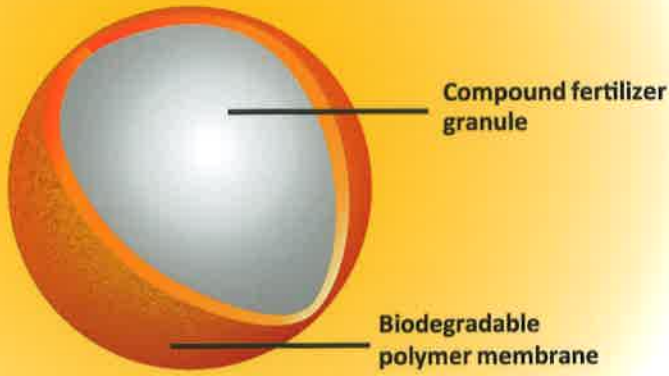
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| Recommended Application Rates | | | |
|-------------------------------|----------|---------------|-------------|
| Crop | Planting | Establishment | Maintenance |
| Oil Palm | Planting | Establishment | Maintenance |
| | Planting | Establishment | Maintenance |

Produced by: **Kingenta** 金正大国际
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Net Weight:
25kg





What is PROFICOTE® ?

PROFICOTE® is a Controlled-Release Fertilizer where compound fertilizer granules are coated with biodegradable polymer membrane that enables predictable release of nutrients influenced only by soil temperature. The higher the soil temperature the faster the nutrient releases. Moisture, soil pH and activities of soil microorganisms have no impact on the rate of nutrient release.

Why use PROFICOTE® ?



Saves labour and time
Reduces number of applications



Better productivity while reducing fertilizer usage
Almost no leaching or loss to the environment

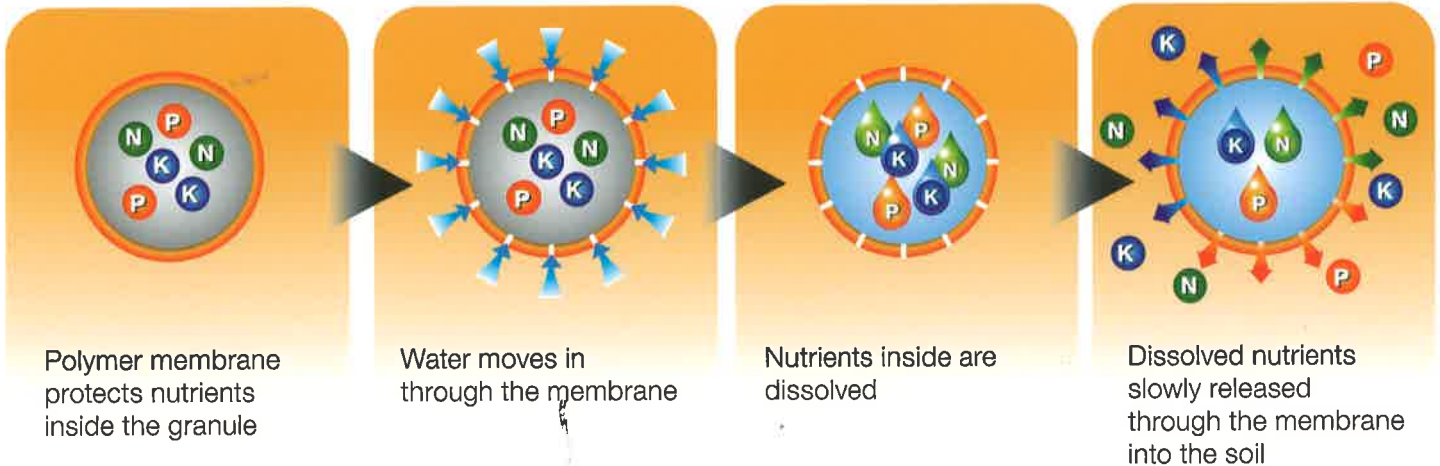


Improved fertilizer performance
Releases nutrients in small increments over time



Rainfall/irrigation independent
Release rate depends only on soil temperature

How does PROFICOTE® work?



Factors

affecting
the rate of
nutrient release

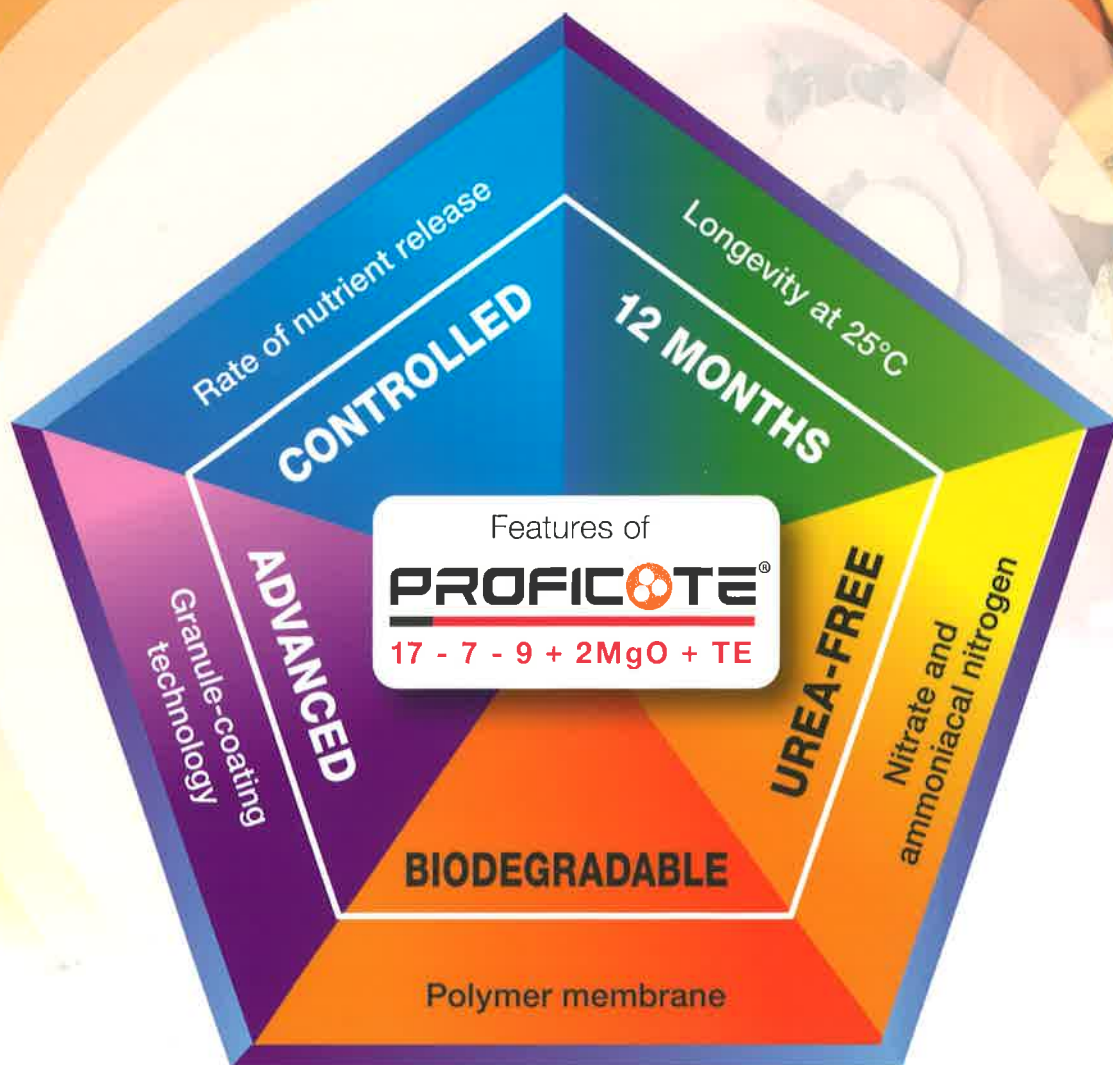
Depends on :-

- Soil temperature
- Thickness of membrane

** Moisture is required, but does not affect rate of release

Does not depend on :-

- Rainfall/irrigation
- Soil pH
- Microbial activity



NUTRIENT COMPOSITION

| | | | |
|--|--------------|------------------------|----------------------|
| Nitrogen Total (N) | 17.0% | Zinc (Zn) | 0.07% |
| Nitrate Nitrogen | 11.0% | Boron (B) | 0.025% |
| Ammoniacal Nitrogen | 6.0% | Copper (Cu) | 0.01% |
| Phosphorus Total (P₂O₅) | 7.0% | Iron (Fe) | 0.05% |
| Water soluble | 5.6% | Manganese (Mn) | 0.10% |
| Potassium (K₂O) | 9.0% | Molybdenum (Mo) | 0.001% |
| Water soluble | 9.0% | | |
| Magnesium (MgO) | 2.0% | | Urea-free |
| Water soluble | 2.0% | | Chlorine-free |

How to use PROFICOTE® for Oil Palm?

Two-stage nursery Pre-nursery (trays)



Dosage : 4 – 5gm
*Top dress and cover
with soil*

Two-stage nursery Pre-nursery (polybags)



Dosage : 4 – 5gm
*Two holes besides
the seedling*

Two-stage nursery Main nursery



Dosage : 50gm
Bottom of planting hole

One-stage nursery



Dosage : 55gm
*Two holes besides
the seedling*

First year field planting



Dosage : 300gm
Bottom of planting hole

How to use PROFICOTE® for Rubber?

Nursery (polybag seedlings)



Dosage : 12gm
*Bottom of planting hole,
separated from the seed by
a thin layer of soil*

Nursery (buddings)



Dosage : 12gm
*Top-dress and
cover with soil*

First year field planting



Dosage : 75gm
Bottom of planting hole

Imported by:



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