

# Haracoat®

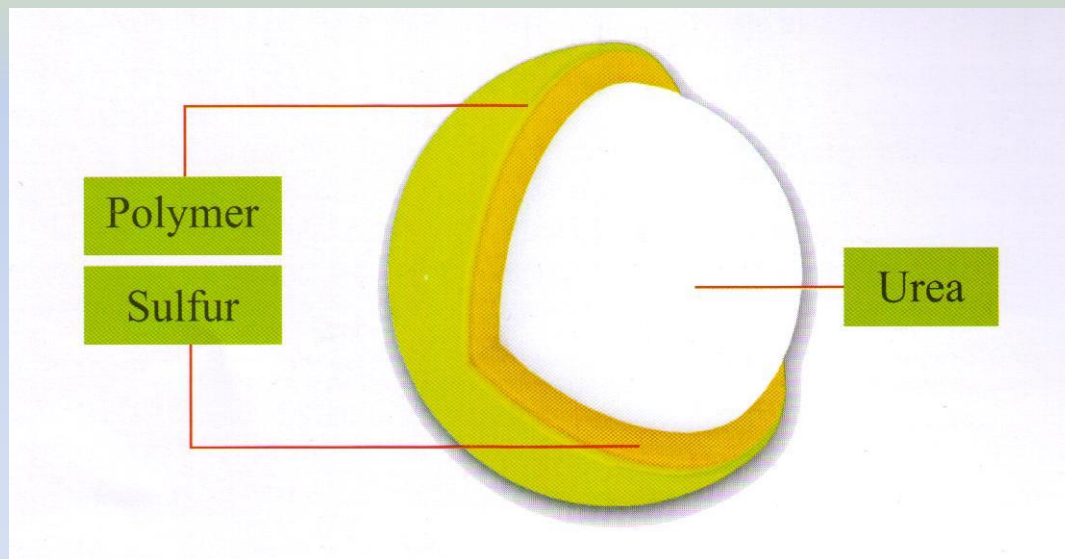
## Polymer + Sulphur Coated Urea and Potash for Foddercrops

Marketed by  
Viable Agriculture Limited



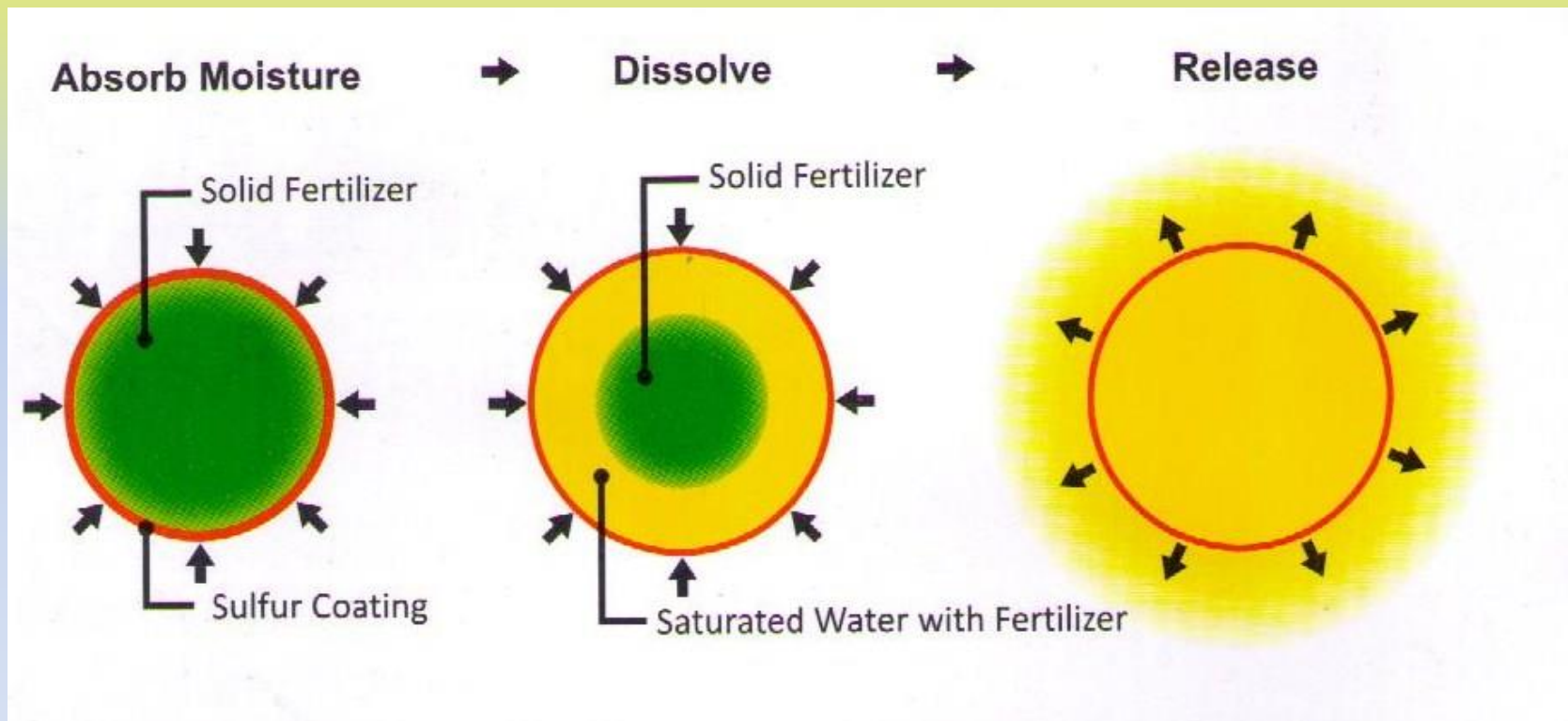
# Haracoat®

## Polymer + Sulphur Coated Urea



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“Rate of release is controlled only by temperature.

“It does not matter how hard it rains or how much you irrigate, it will not release any faster

“ Moisture is drawn into the granules by Osmotic pull which causes them to expand

“As the granules swell, microscopic pores appear which allows nutrient to weep out over time

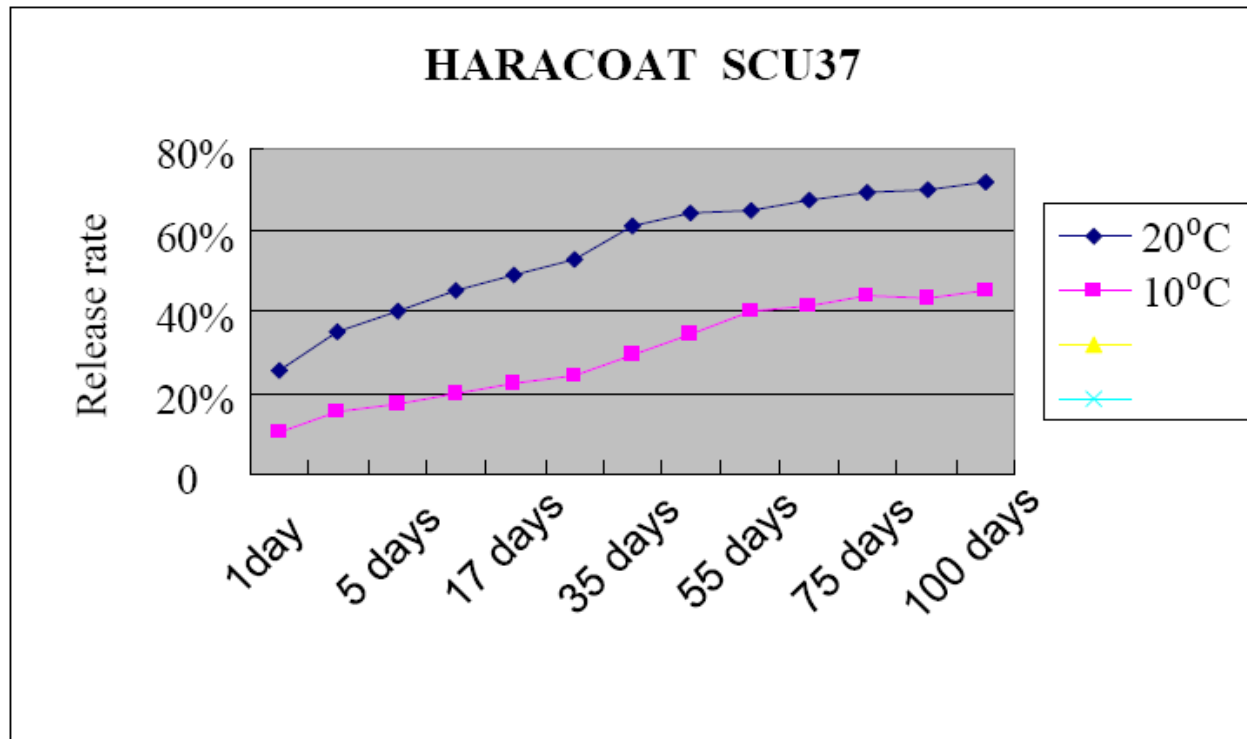
“N releases at steady rate without flushes over 60-180 days depending on the grade selected so only one application generally required for the life of the crop

“NB Spreader spinner speeds should not exceed 550-600rpm as coating damage will occur resulting in early release of nutrients. Spread width of 24 metres can be achieved with a Bredal K45 at 550 rpm on setting 8 . Any attempt to spread wider than 24m will result in unacceptable coating damage.

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HARACOAT SCU at low temperature release rate curves



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## Polymer + Sulphur Coated Urea

- " Haracoat PSCU37

- " 37%N

- " 15%S

- " 90 day release

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## Polymer + Sulphur Coated Urea

- " Use at 60-70% rate of standard Urea**
- "Less applications, less cost**
- "No Volatile losses**
- "Virtually no leaching losses**
- "Very high nutrient recovery / efficiency**
- "Supplies vital element Sulphur**
- "Cost effective**
- "30-40% less inputs under *Overseer***

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## Polymer + Sulphur Coated Potash

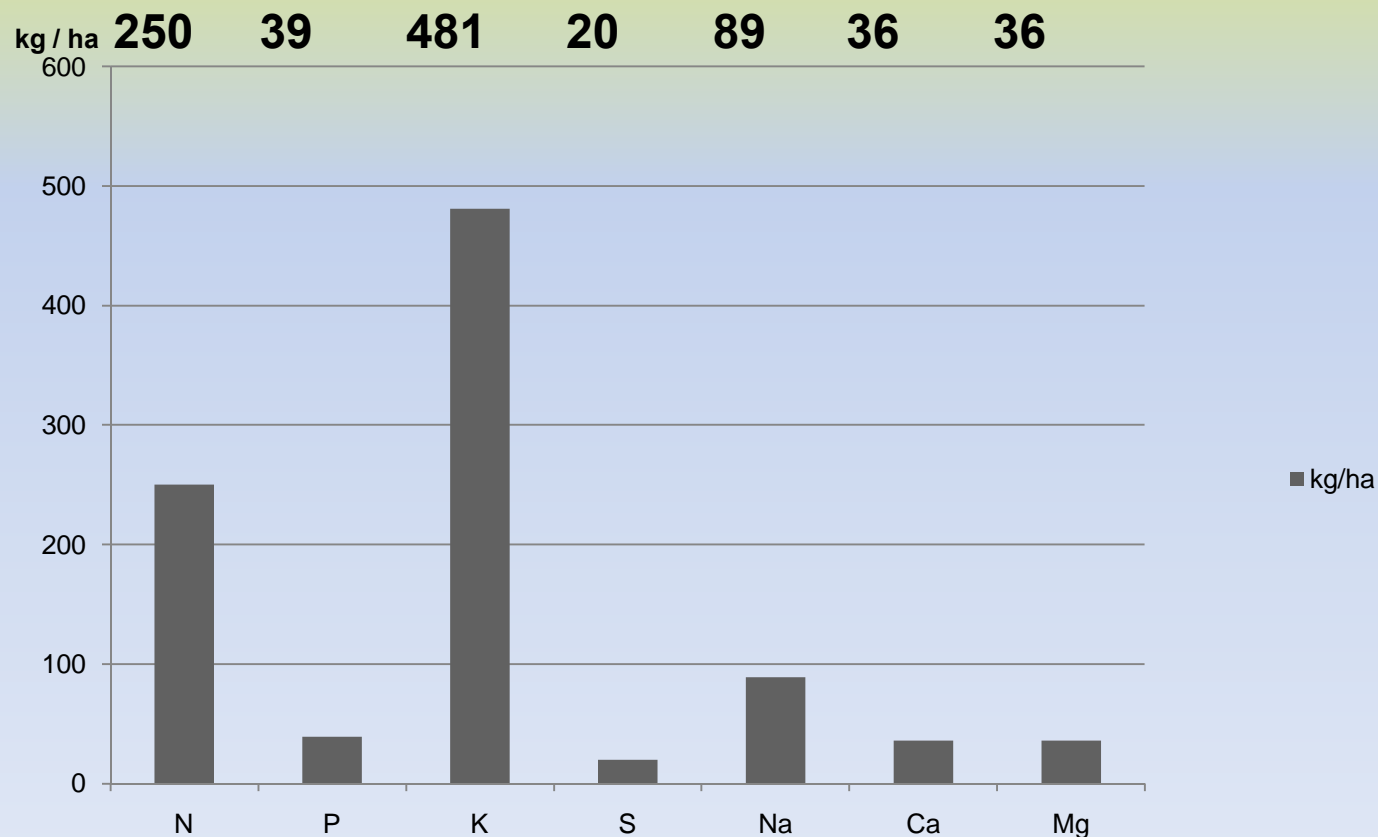
- “ **Use at 80% rate of standard MOP (Muriate of Potash)**
- “ Standard MOP is very water soluble and washes through soil profile easily
- “ **Haracoat PSCK comes in three grades**
  - Haracoat PSCK 55** = 46%K + 7.5%S . This grade is a 50:50 mix of standard MOP for immediate release and 60day release PSCK MOP
  - Haracoat PSCK 50** = 42%K + 15%S. This grade is fully coated with a release time of 120-150 days
  - Haracoat PSCK 47** = 39%K +20%S. Also fully coated with up to 180 days release



# Haracoat® Polymer + Sulphur Coated N and K Fertilisers for FodderBeets

“Nutrient Uptake by Fodder Beet 70-90 t/ha fresh root yield

=15-20mt DM roots + tops ( 3yr UK study Kingshay Farming Trust and Duchy College Cornwall)



# Haracoat® Polymer + Sulphur Coated N and K Fertilisers for Fodderbeets

## Fodderbeet Pre-plant Fertiliser programs

"Lime to pH 6.2 or above well in advance of sowing

"20-70 kg P/ha

"75-220 kg K/ha ( 60-175kg/ha Haracoat PSCK)

"0-90 kg Mg /ha depending on Mg levels in soils

"50-150 kg/ha agricultural salt broadcast well before sowing\*

50 kg / ha Tiger® Boron 2% (supplies 40kg S + 1kg B /ha)

***\*NB.. too much salt (NaCl) can displace Calcium(Ca) Potassium(K) and Magnesium (Mg). Fodderbeet uses 6 x more K than Na therefore over-emphasis on salt can detrimentally affect K uptake and availability***

# Haracoat® Polymer + Sulphur Coated Urea for fodderbeets

## Nitrogen

### Traditional Fodderbeet Programs

"80-100kg Urea @ 4-6 leaf stage

"150 kg Urea @ row closure

### Haracoat program

150-160 kg /ha Haracoat PSCU 37 at 4-6 leaf stage

# Potassium Requirements

- “ Fodderbeets have a large requirement for K and typically show symptoms of early senescence in foliage as a result of acute Potassium deficiency.
- “ We recommend K applications of 60-175kg/ha Haracoat PSCU 50 or 55 ***at sowing***
- “ followed by 100-120kg/ha Haracoat PSCK55 ***or*** Haracoat PSCK 50 ***at 4-6 week stage.***
- “ ***This can be done in the new combination product Haracoat NK broadcast at 250-300kg / ha which will cover both N and K requirement in one shot***

# Haracoat PSCU 37 for Maize

20mt Maize crop needs approx ;

” 220kg N, 40kg P, 240Kg K

220kg N = 480kg Urea

Less 45kg N = 250kg DAP, (50kg P) at sowing

Balance 175kg N = 380kg Urea less Soil min N, say 75kg soil min N

100kg N to apply as Urea =  $220\text{kg} \times 0.65 = \mathbf{140\text{ kg /ha Haracoat}}$

**NB. There is usually no yield response to additional K prior to harvest, so K best applied post harvest**

# Haracoat PSCU 37 for Kale

- " pH needs to be 6.5 - 7.0 to minimise clubroot
- " Sow with 250kg/ha DAP
- " **Traditional dryland** 2x100kg Urea @ 4-6 and 8-12 weeks post emergence
- " **Traditional irrigated** 2 x 200 Urea as above
- " **New program,**
- " sow with DAP as above
- " plus apply 130kg / ha (dryland) or 250 kg /ha (irrigated) Haracoat PSCU37 @4-6 weeks post emergence.
- " This will carry the crop right through with no further applications required.

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Kale(Burly)  
17tonne crop  
One application  
Haracoat PSCU37 of  
200 kg/ha mid Dec