



# “Gouden mest van de Terbantsterpleats”

Leeuwarden, 24 februari 2025

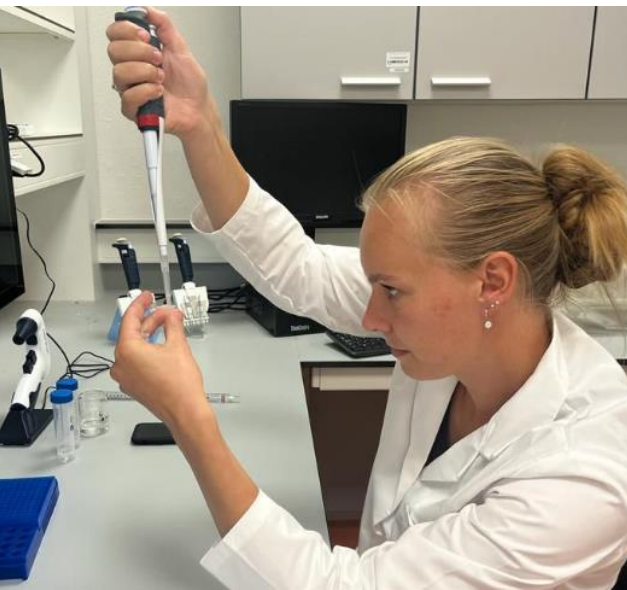
Nynke Bakker





# Nynke Bakker

- Terbant
- Melkveehouderij
- Analist
- Adviseur bij





# Inhoud

- Waarom is goede mest zo belangrijk?
- Mestkwaliteit
- Mest van de Terbantsterpleats

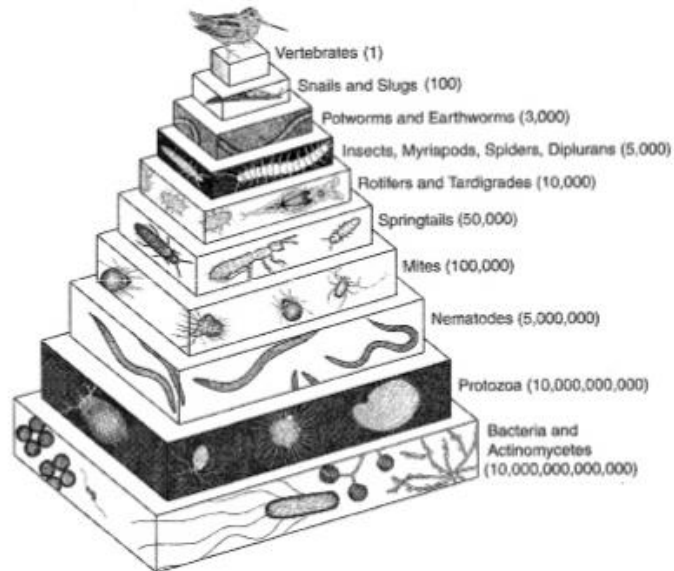


# Bodemvoedselweb

# The Soil Food Web

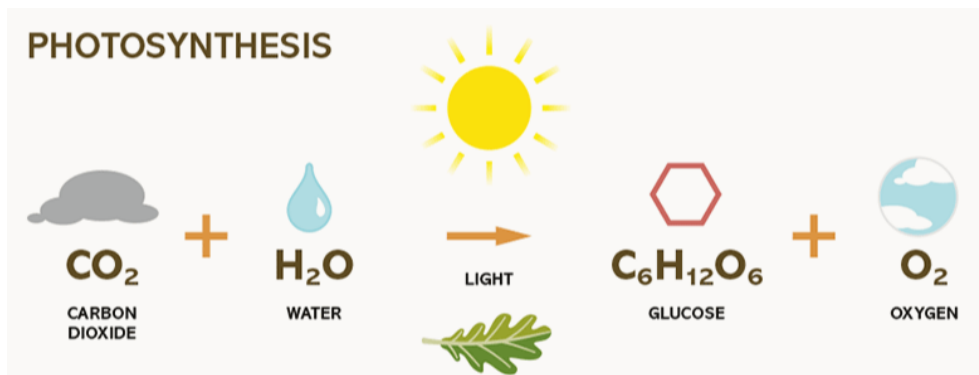
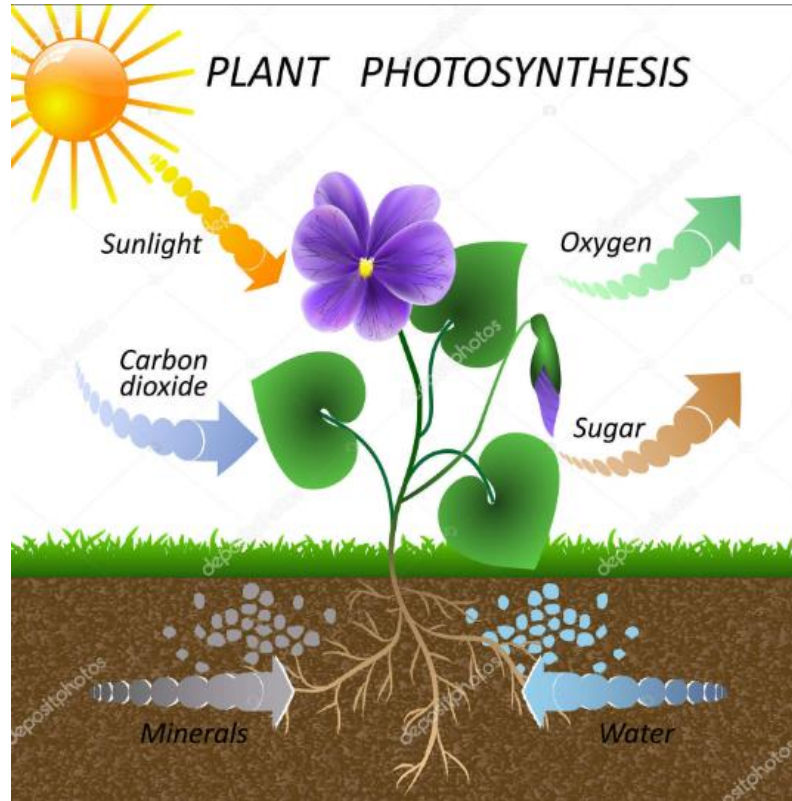


## Foodweb pyramid in one square meter of soil



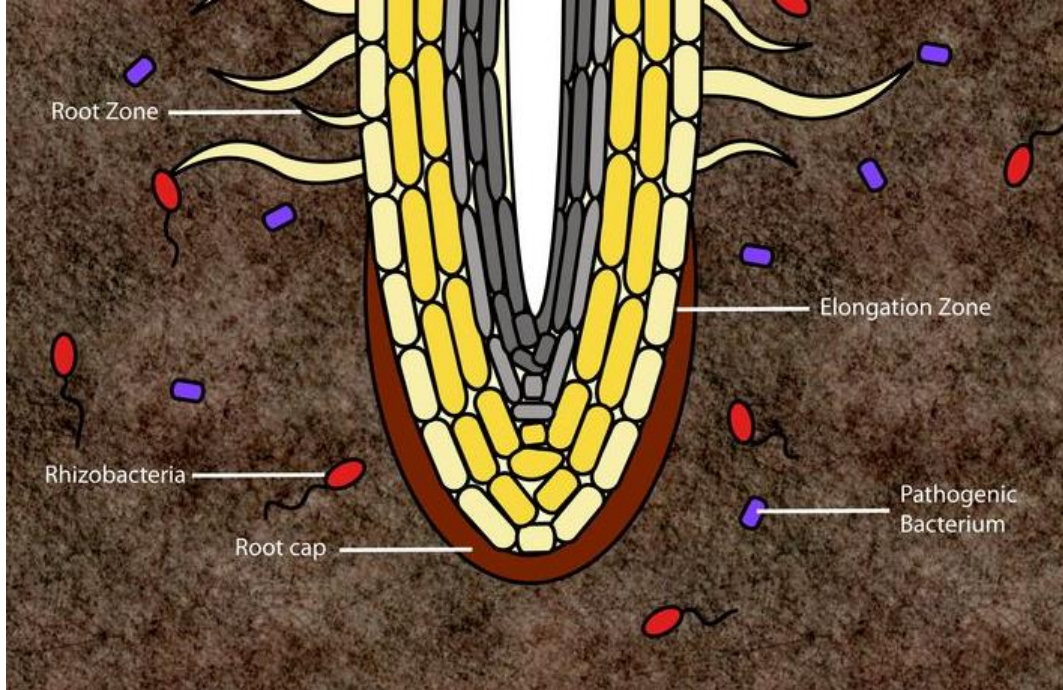
James B. Nardi, *Life in the Soil*, 2007

- 1 Vogel
- 100 (Naakt) slakken
- 3000 Pot- en regenwormen
- 5000 Insecten (duizendpoten, spinnen en dipluren)
- 10.000 Radardiertjes en beerdiertjes
- 50.000 Springstaartjes
- 100.000 Mijten
- 5.000.000 Nematoden
- 10.000.000.000 Protozoa
- 10.000.000.000.000 Bacteriën, actinomyceten en schimmels



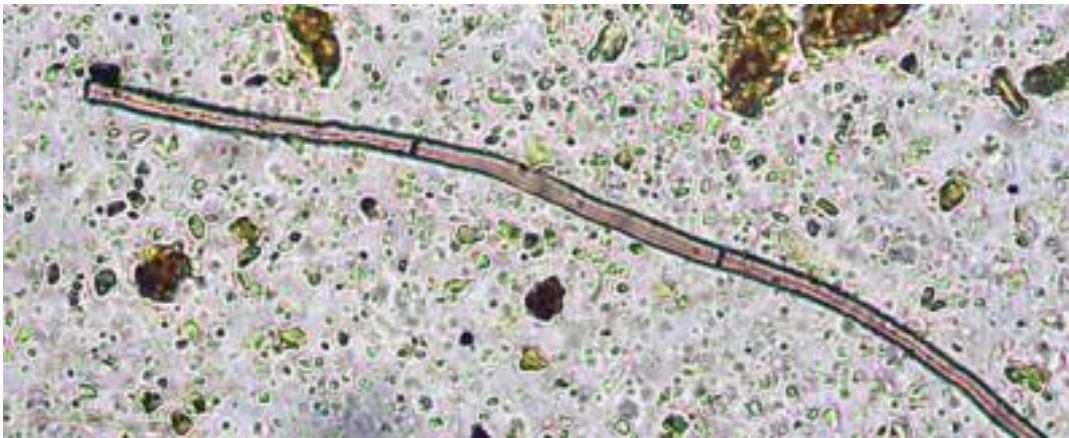
# Fotosynthese

- Temperatuur
- pH
- Zuurstof
- Koolstofdioxide
- Vocht
- Grond



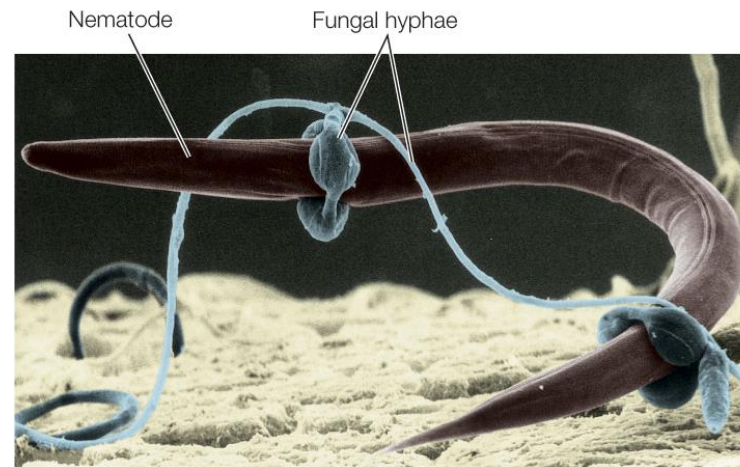
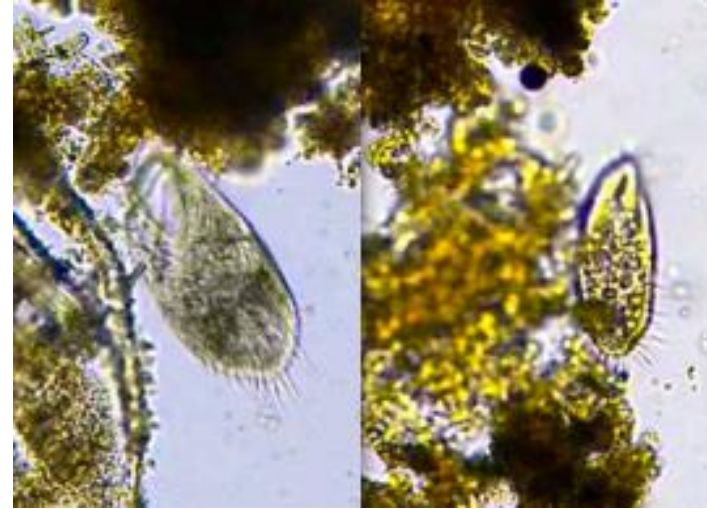
# Bacteriën, schimmels en rhizosfeer

- Basis van BVW
- Vertering
- Voeding
- Samenwerking
- Vastleggen nutriënten
- Bodemstructuur



# Versnipperaars, Grazers en Predators

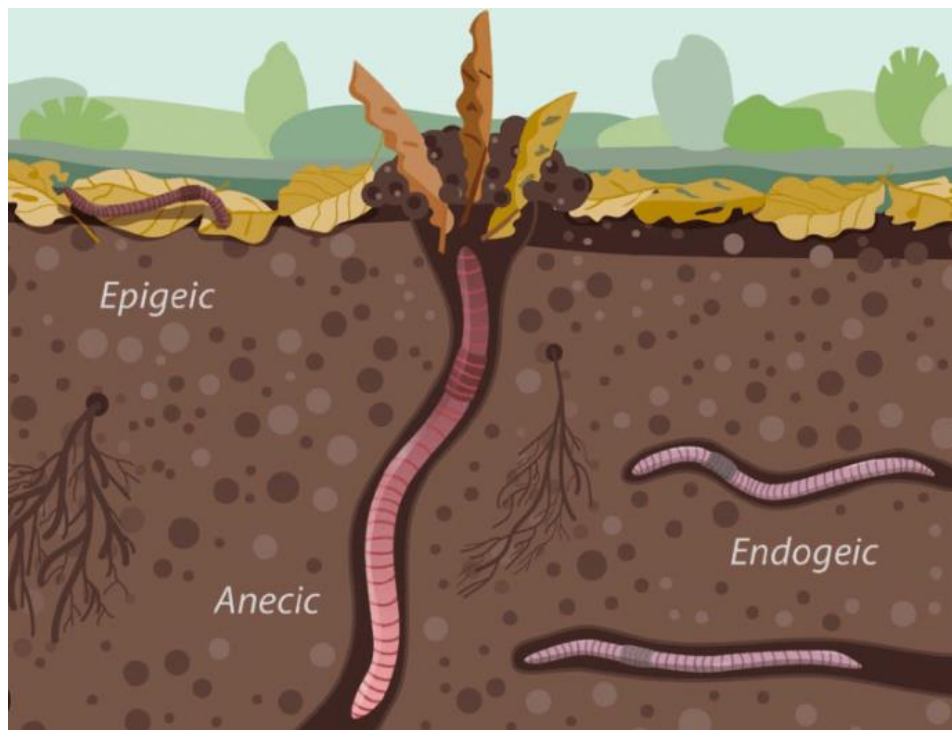
- Nematoden
- Amoebes
- Pantoffeldiertjes



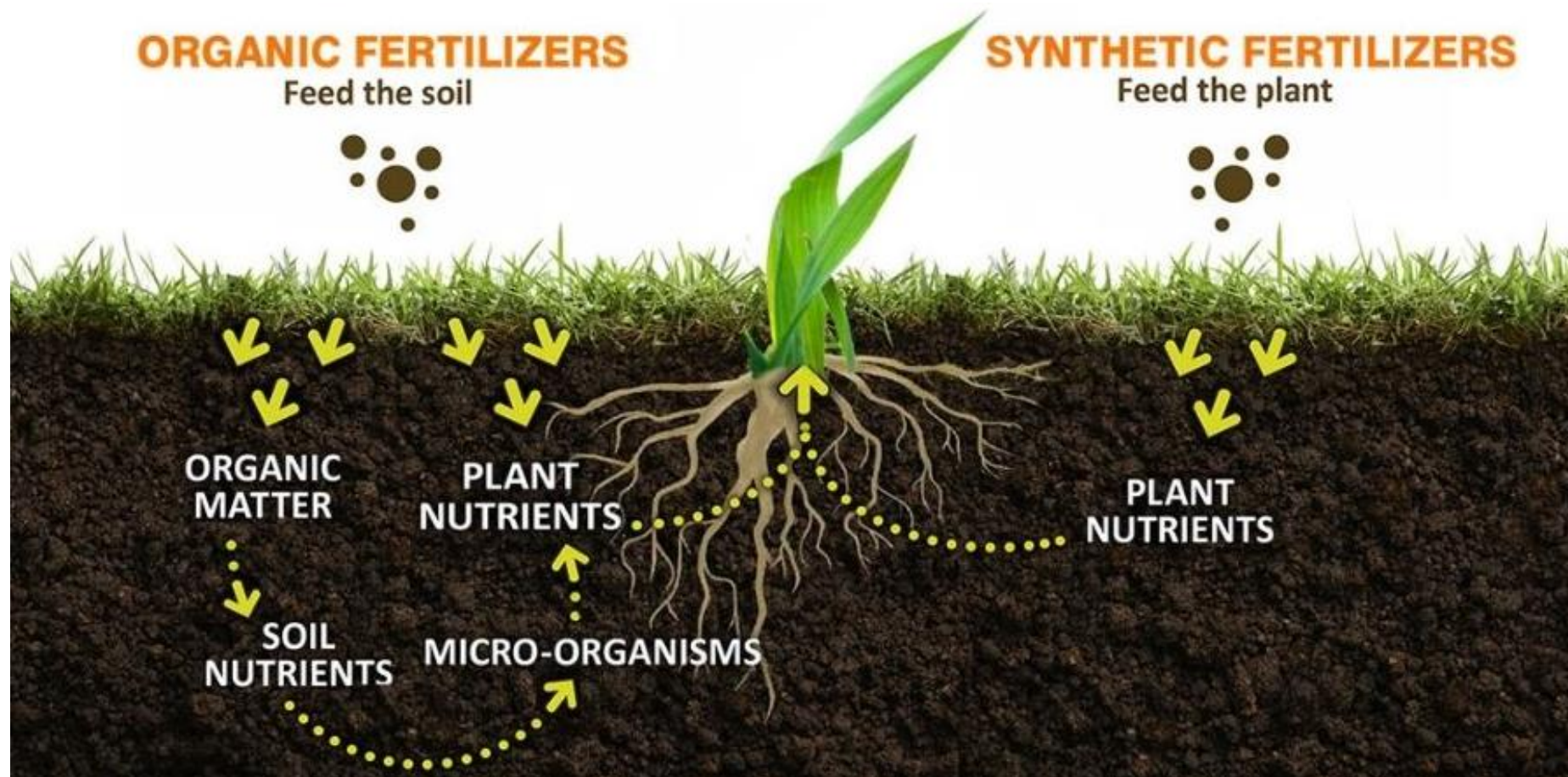


## Wormen en geleedpotigen

- Vertering
- Transport
- Lucht en waterhuishouding



# Plantvoeding of Bodemvoeding



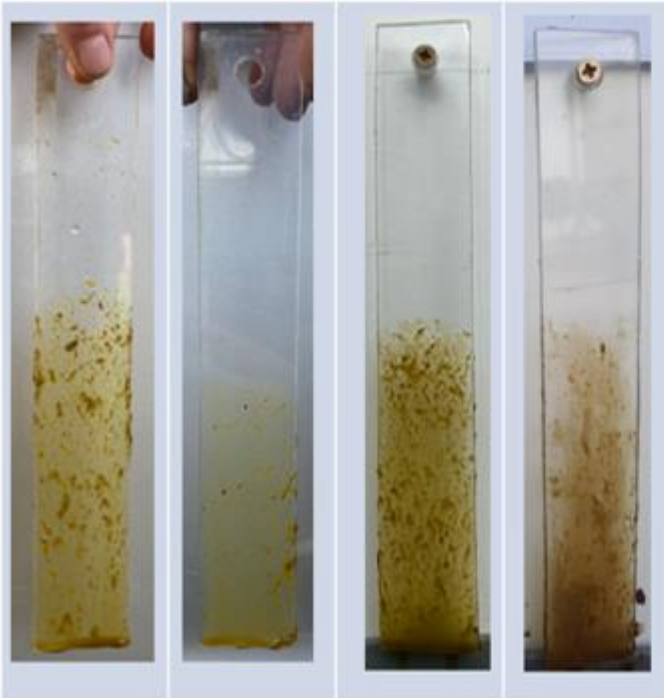


Mestkwaliteit

# Rijping vs. Rotting

## Melkzuurbacteriën

### Bacillen



pH < 7,1

EC < 16

C/N > 10

weinig NH<sub>3</sub>, H<sub>2</sub>S

kleeft nauwelijks

Rijping

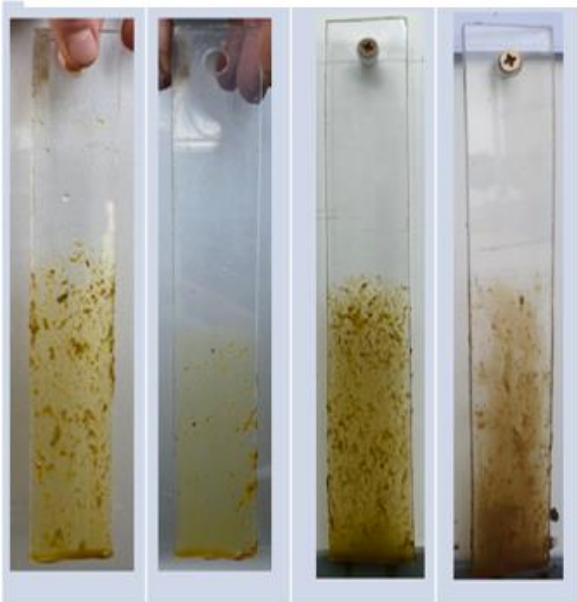
Rotting



# Rijping vs. Rotting

## Melkzuurbacteriën

### Bacillen



pH < 7,1

EC < 16

C/N > 10

weinig  $\text{NH}_3$ ,  $\text{H}_2\text{S}$

kleeft nauwelijks

**Rijping**



## Enterobacteriën

### Clostridia



pH > 7,3

EC > 20

C/N < 7

veel  $\text{NH}_3$ ,  $\text{H}_2\text{S}$

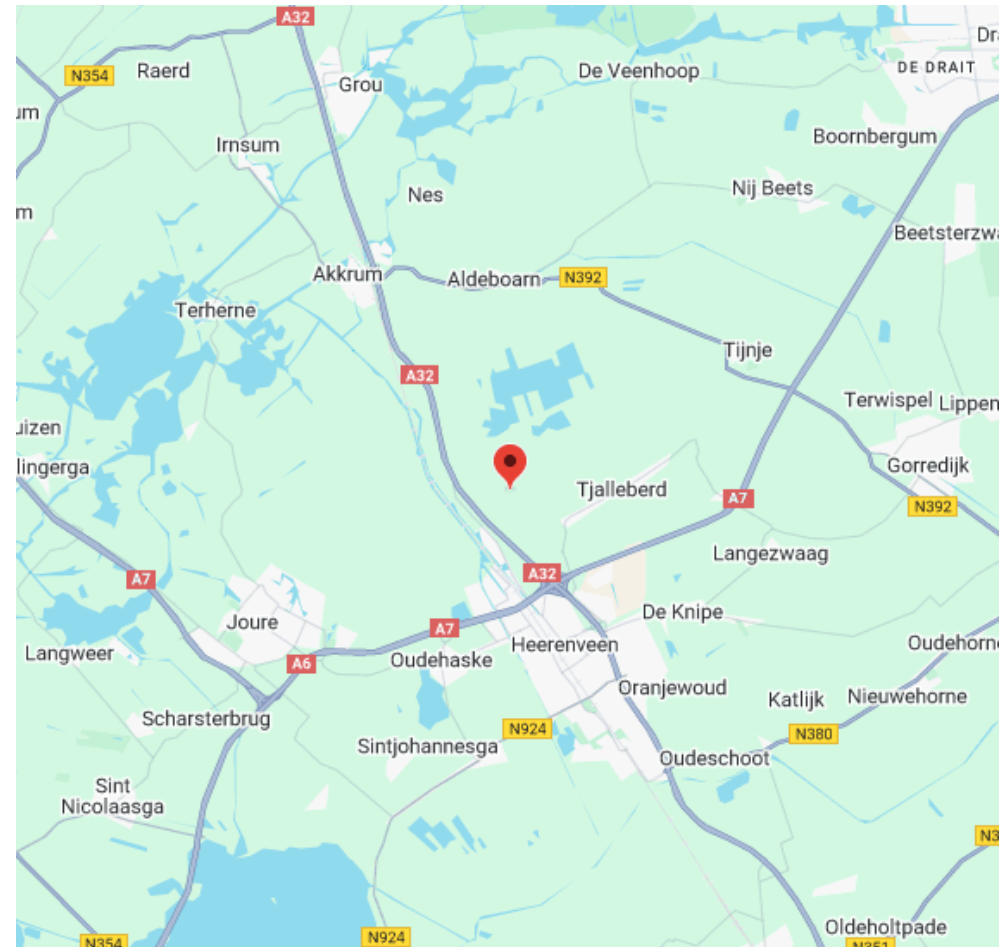
kleverig

**Rotting**



# Terbantsterpleats

- Gebouwd in 1908
- 3e Generatie familie Bakker



# Terbantsterpleats



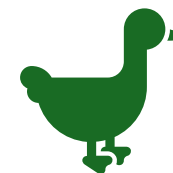
54 Ha grassland



16.000 L/ha 4,60 vet  
3,90 eiwit

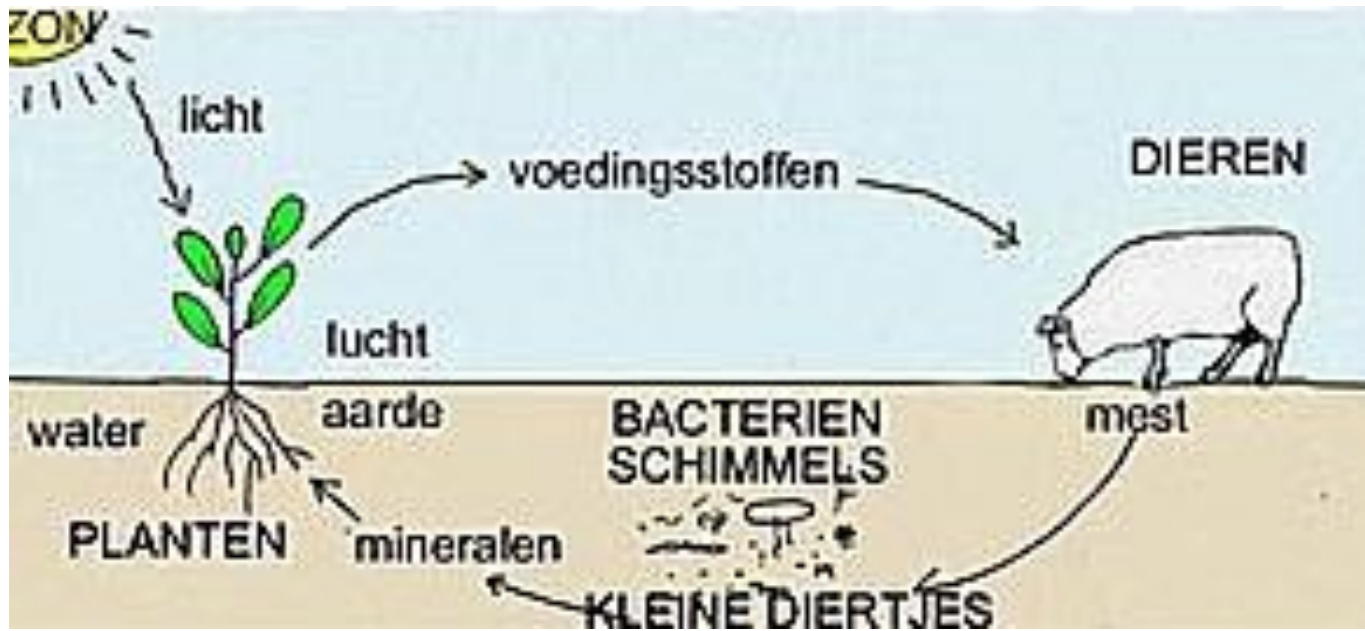


Zand/veen 250 kg  
N/ha



Weidevogelbeheer,  
ganzen gedooggebied

# Invloed mest kwaliteit Terbantsterpleats



# Monitoren

- Mest analyses
- Melk analyses
- Voer analyses
- Vetzuren analyses
- Bodem analyses
- Microscopie
- Chromatografie
- Zintuigen



To measure  
is to know.  
If you can not  
measure it,  
you can not  
improve it.

- Lord Kelvin

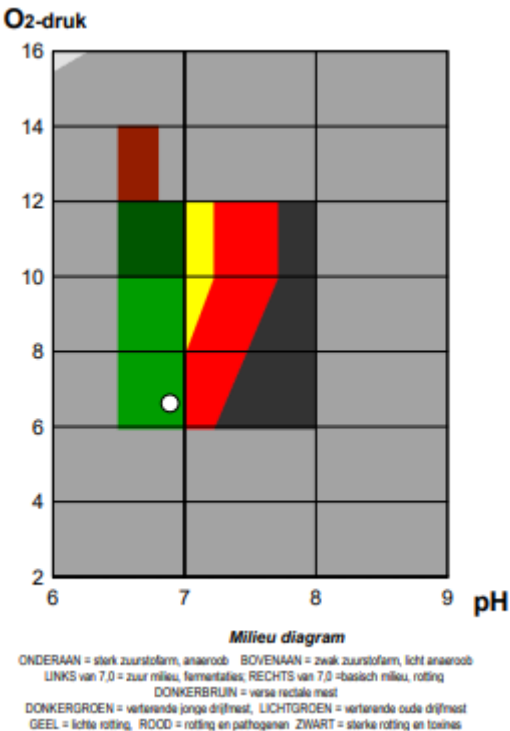
# Microscopie



# Chromatografie



# Mest kwaliteit Terbantsterpleats

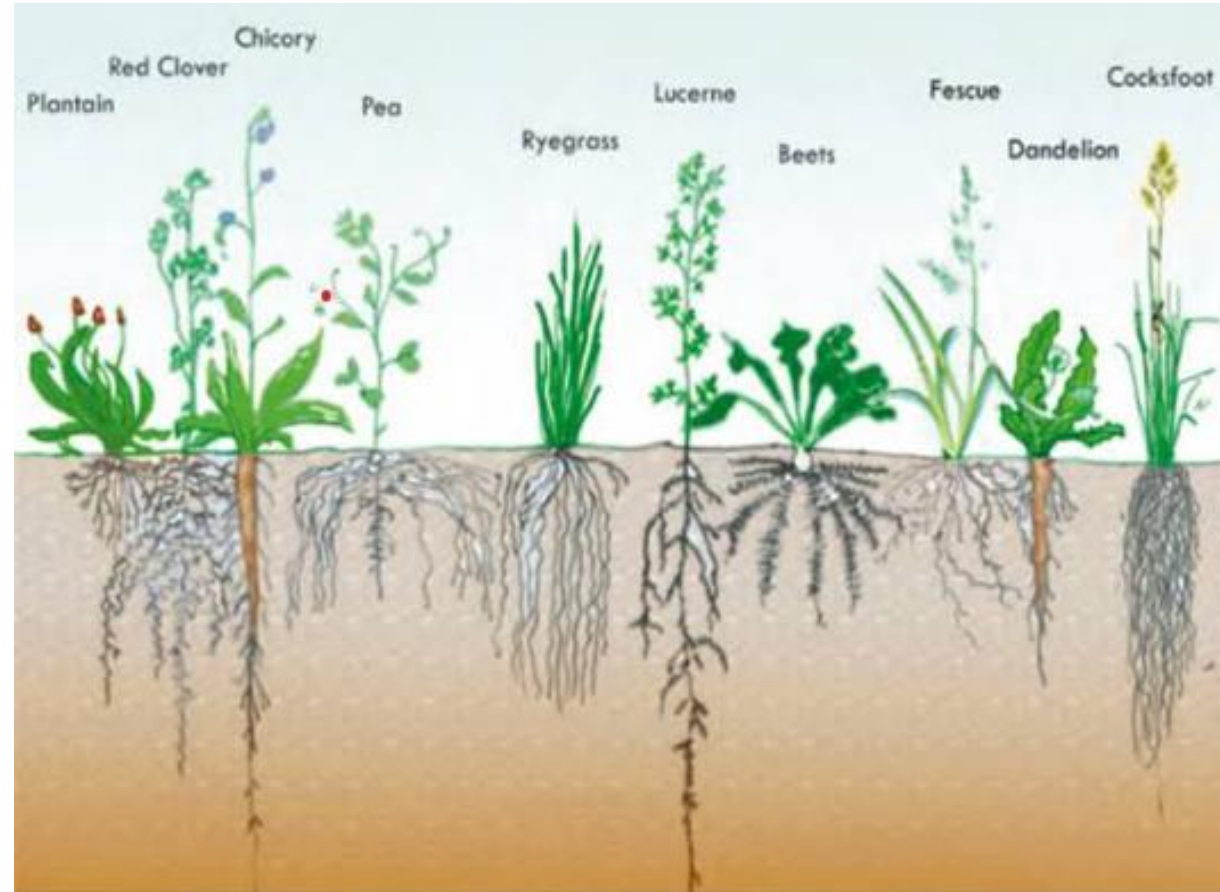


|             | Terbansterpleats | Streef/gemiddelde waarde |
|-------------|------------------|--------------------------|
| pH          | 6,89             | <7,1                     |
| EC          | 11,8             | Gem 17,5                 |
| AEP         | 37,41            | <40                      |
| C/N         | 9,4              | >10                      |
| N org/N amm | 1,9/1,2 (61,3%)  | >55%                     |

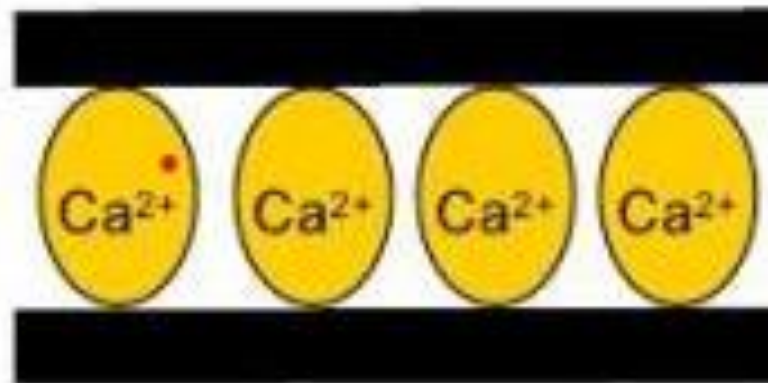
# Bodembeheer



# Bodembeheer



# Bodembeheer



# Voeren



# Stalklimaat en chemie



## Doelen

▶ dagen

214 van 120

verwachte einddatum: 13 augustus

▶ uur

1984 van 720

# Weidegang





# Conclusie

---

“Alle kleine bee(s)tjes helpen!”

Meer weten? Volg ons dan op de socials!



@*Terbantsterpleats*



**Bedankt voor jullie  
aandacht!**

## N- (en P) STROOM IN DE KOE

