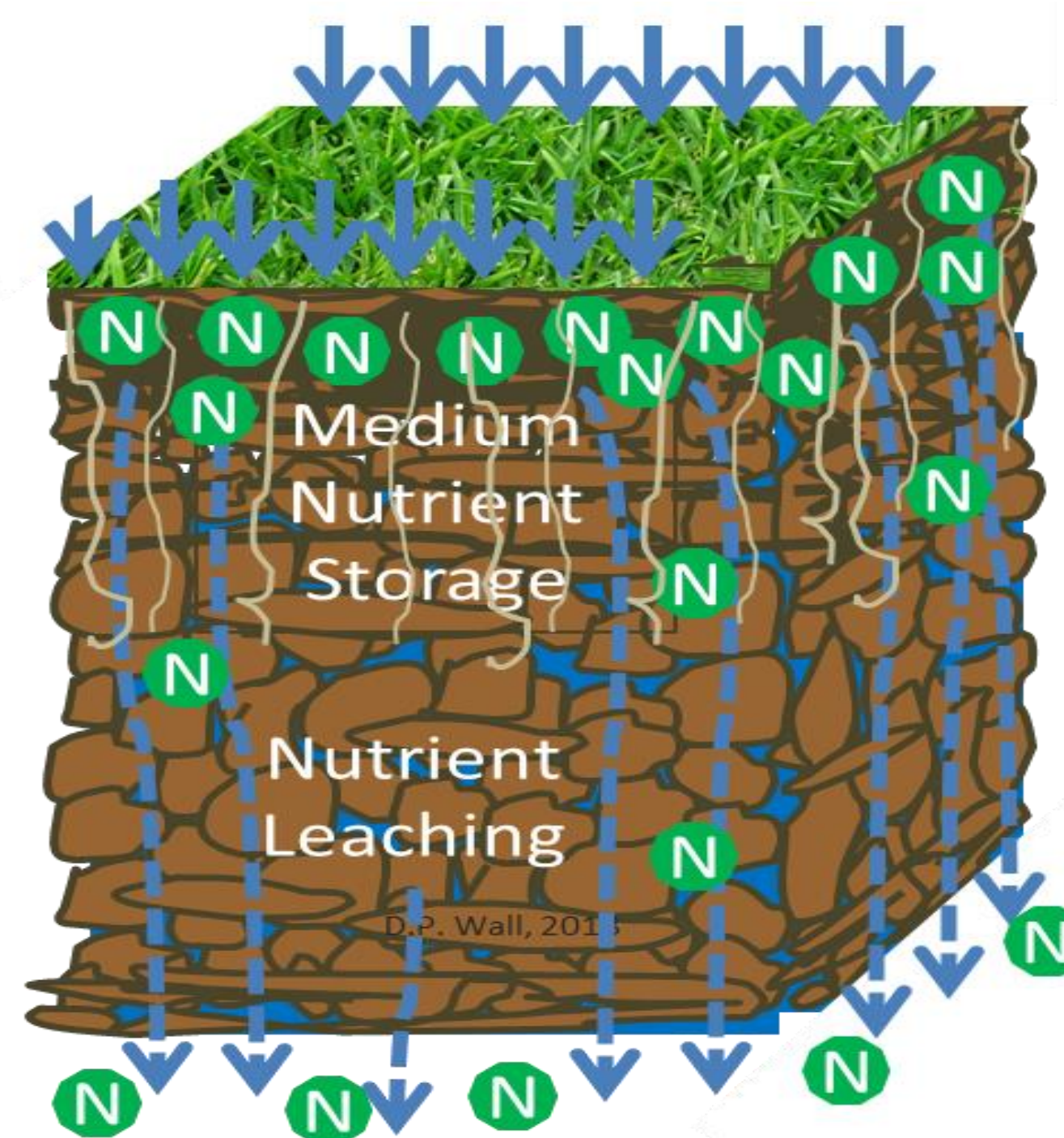


ASSAP - Reducing N loss from farms

Nitrogen (N) loss from farms

- Most N losses from free draining soils
- N does not bind tightly to soil
- Leaching occurs where more N available than plant needs
- Excess N is leached by rain to waters



Take home messages

Establish if land is N risky

Legend

- PIP Rank 1
- PIP Rank 2
- PIP Rank 3
- PIP Rank 4
- PIP Rank 5
- PIP Rank 6
- PIP Rank 7



EPA PIP Map for Nitrogen: The higher the PIP rank (darker colours) the greater the risk of N loss.

Advice to minimise N losses to water

- Adhere to the closed periods for N applications
- Apply N when soil temp is $> 5.5^{\circ}\text{C}$ & rising
- Soil moisture deficit – saturated / drought impacts uptake
- Match application rates to grass growth rates
- Optimum soil fertility – Lime, P, K and Sulphur
- Use clover, protected urea and LESS

N – ‘optimise use’

