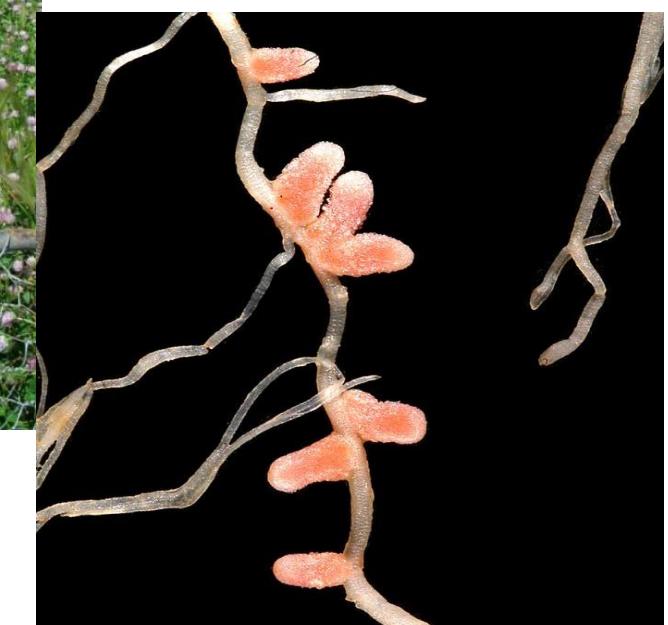


# Introducing nitrogen organically into a vineyard



# The adoption of understory technologies



1984



1992

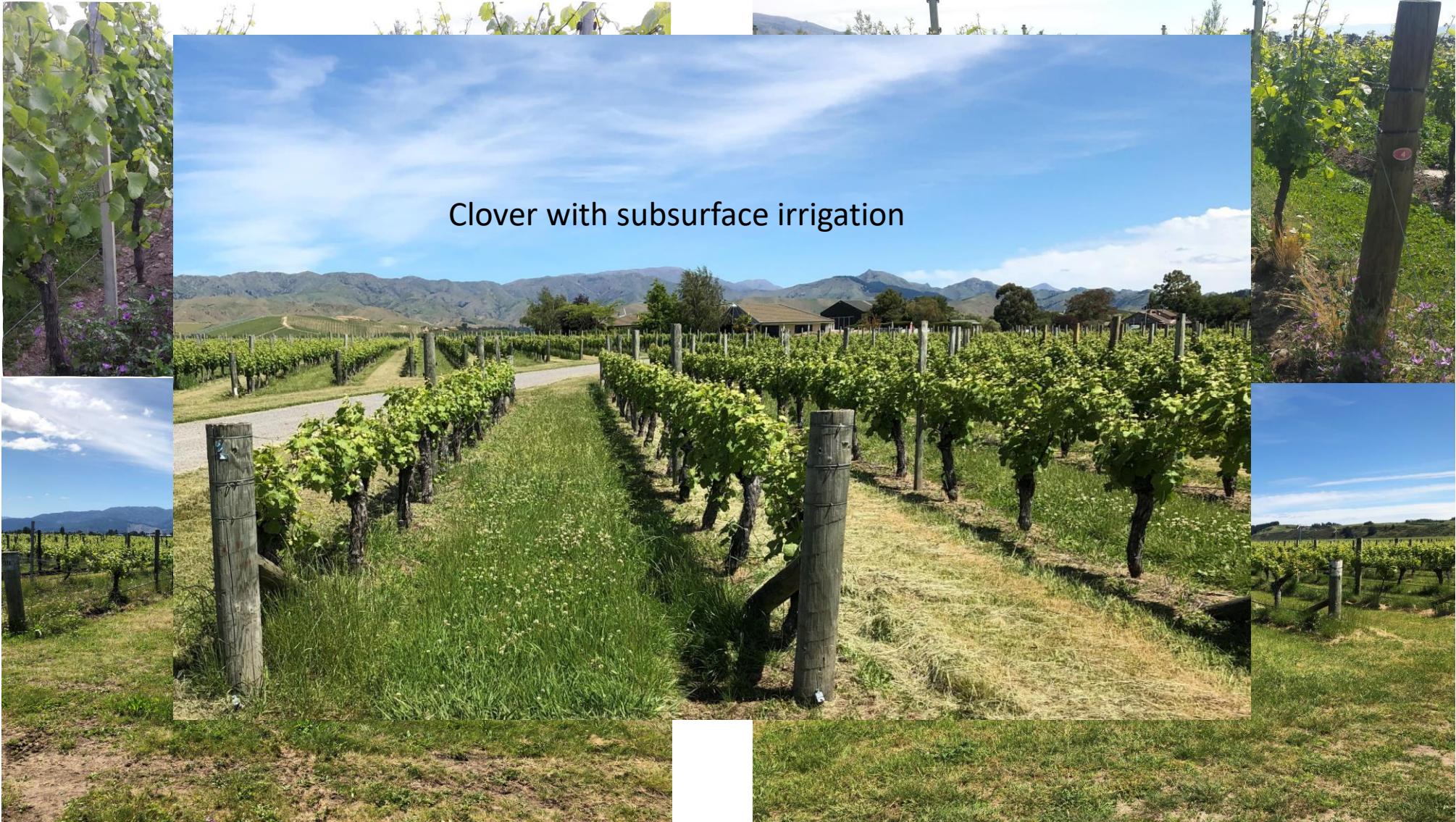


2010



What next?

# What does the future hold?



# The adoption of technologies



What technologies do we look on  
as novel today that will be in routine use  
tomorrow?



# Inadequate nitrogen results in:

- Poor canopy development
- Reduced yields
- Premature leaf senescence
- Slow fruit ripening
- Problems in the winery with:
  - Stuck fermentation
  - Sulphides in wine
  - Poor flavour and aroma
- How do we manage a vineyard to ensure adequate nitrogen nutrition?