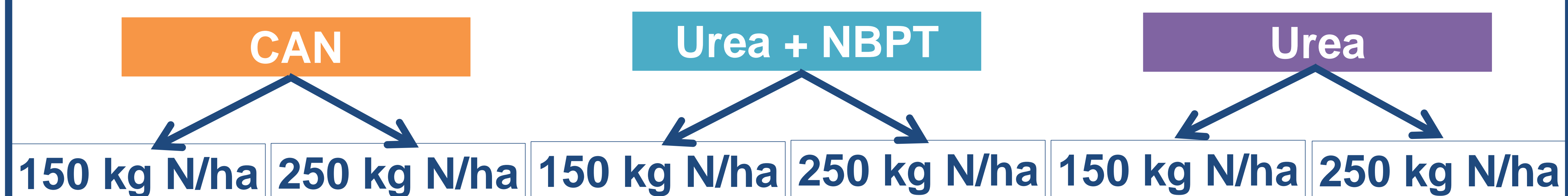


# Protected urea – grazing experiment

## Plot grazing experiment

- Four sites – Moorepark & Clonakilty (2019 - 2021), Athenry & Ballyhaise (2020 & 2021)

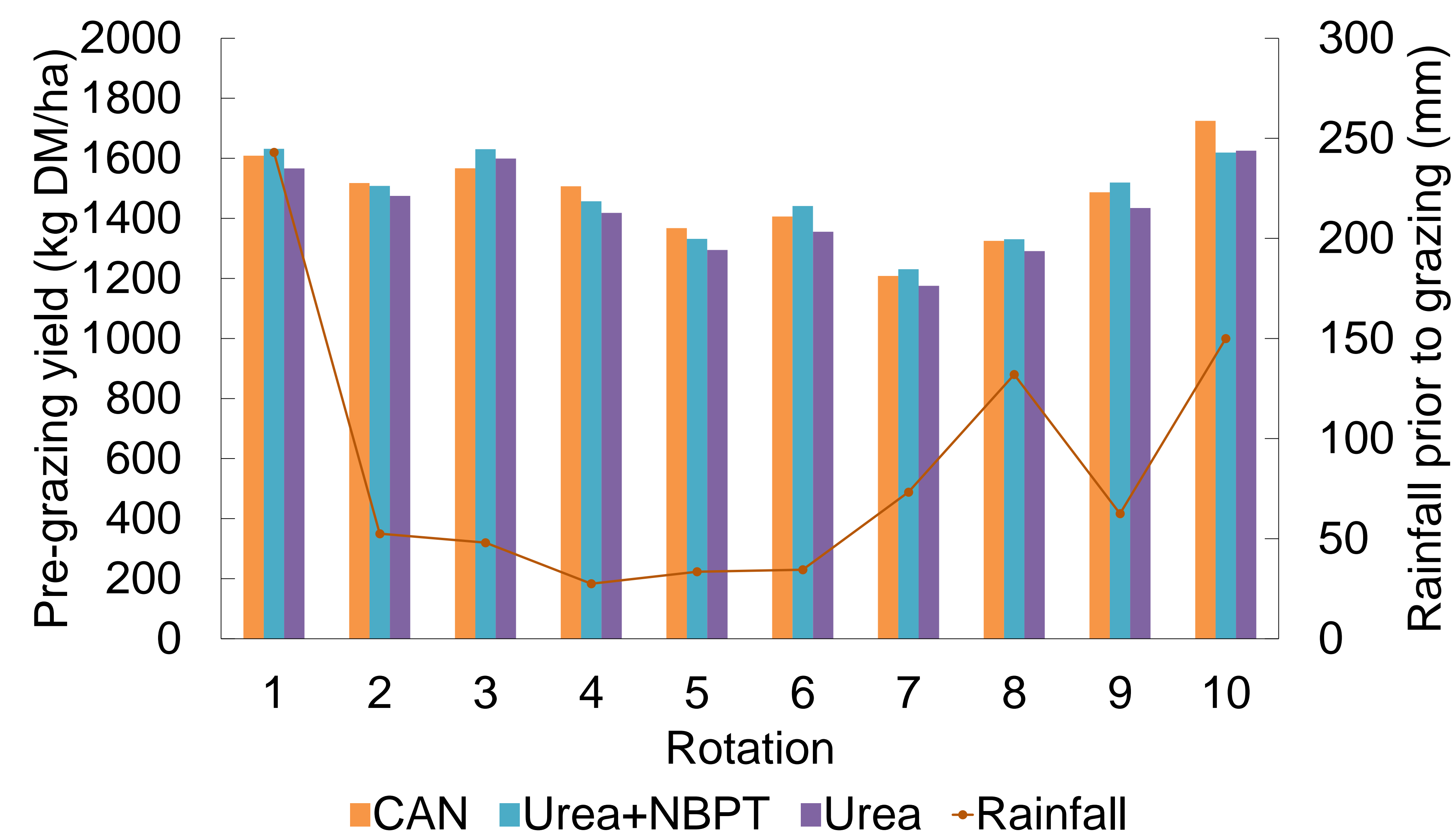


- Plots grazed by dairy cows and sheep (Athenry)
- Fertiliser applied after each grazing
- CAN-250 kg N/ha used as control – all plots yielded and grazed when CAN-250 kg N/ha reached 1,500 kg DM/ha

## Overall results

|                              | CAN    | Urea + NBPT | Urea   | 250 kg N/ha | 150 kg N/ha |
|------------------------------|--------|-------------|--------|-------------|-------------|
| Pre-grazing yield (kg DM/ha) | 1,485  | 1,480       | 1,436  | 1,588       | 1,346       |
| Grass grown (kg DM/ha)       | 13,478 | 13,543      | 13,087 | 14,448      | 12,290      |

## Pre-grazing yield by rotation



## Take home messages

- Protected urea and CAN grew more grass than standard urea
- 2,158 kg DM/ha difference in grass production between 150 & 250 kg N/ha