

Irrigation and N fertilisation impact the nutritive value of maize grown for silage



Rafiq Islam

Dairy Science Group

Faculty of Veterinary Science

School of Agriculture and Life Sciences

University of Sydney



THE UNIVERSITY OF
SYDNEY



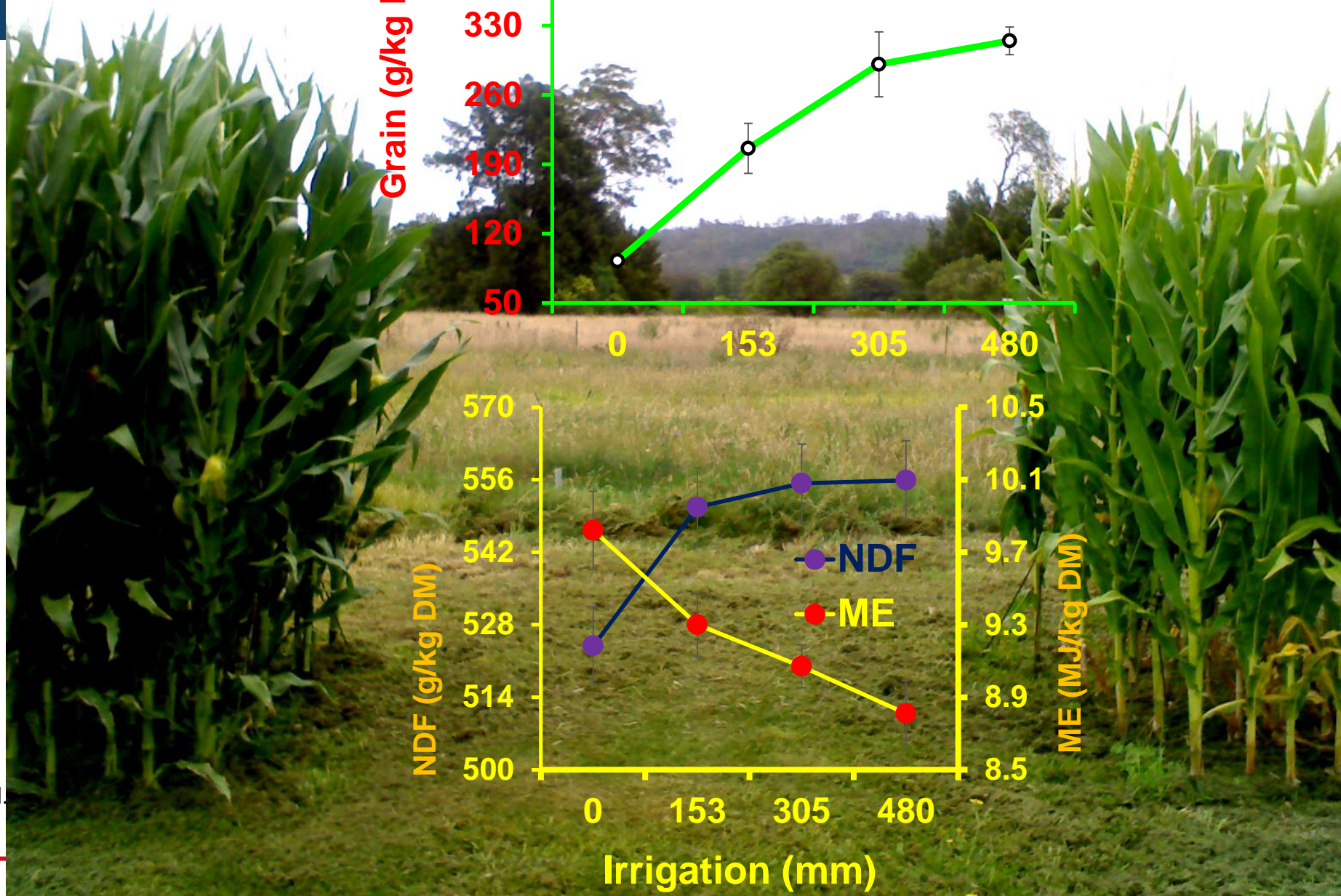
Irrigation increases:

- DM yield 25 t DM/ha
- Grain yield
- Grain proportion

Irrigation reduces:

- Energy

Irrigation increases yield, but reduces energy content



Irrigation reduces CP & WSC but increases ADF & NDF

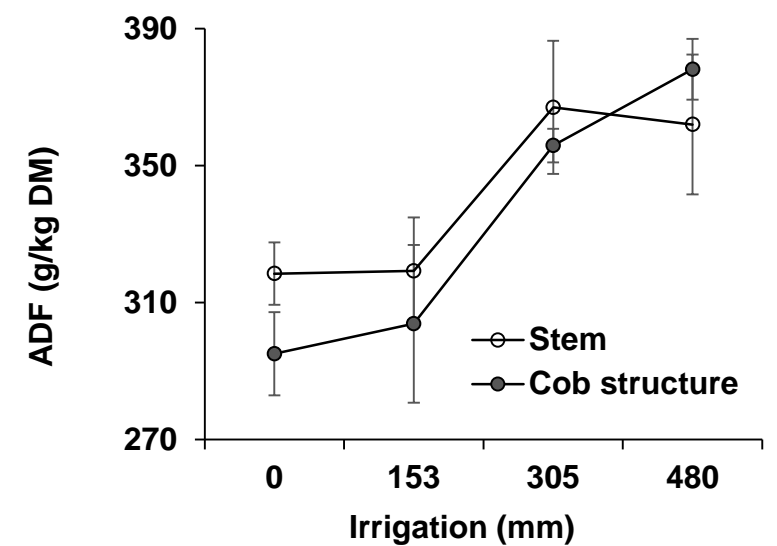
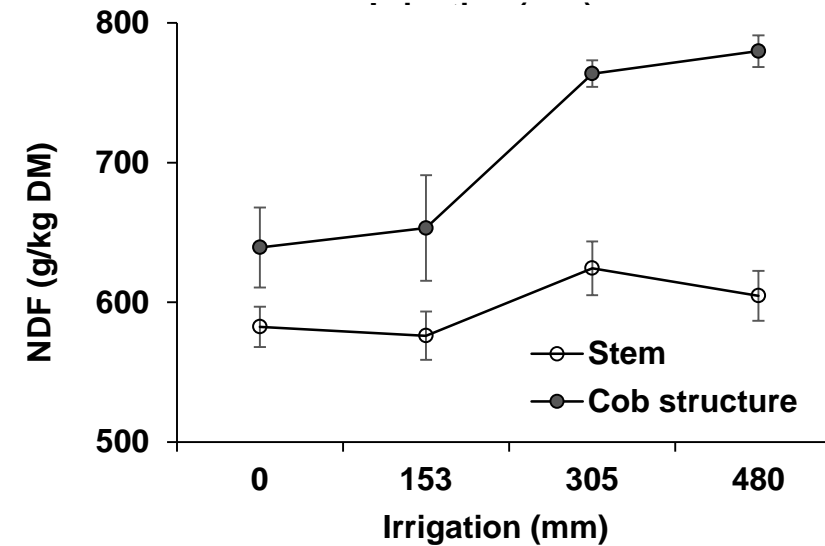
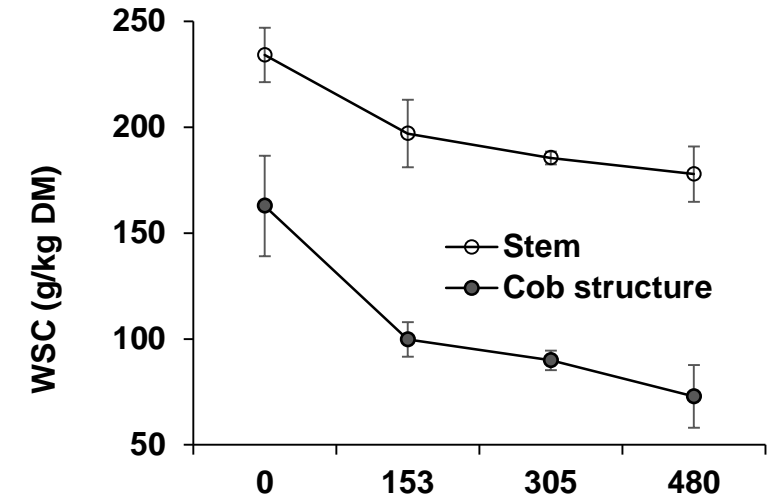
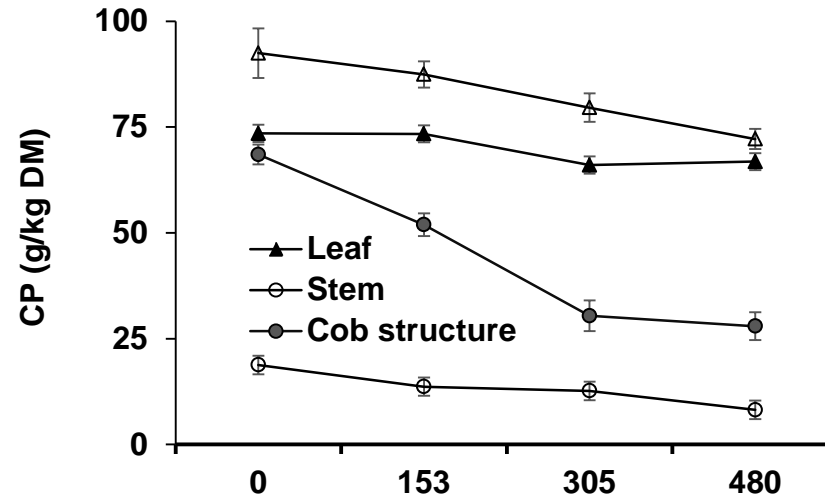


Irrigation reduces:

- Protein
- Soluble CHO

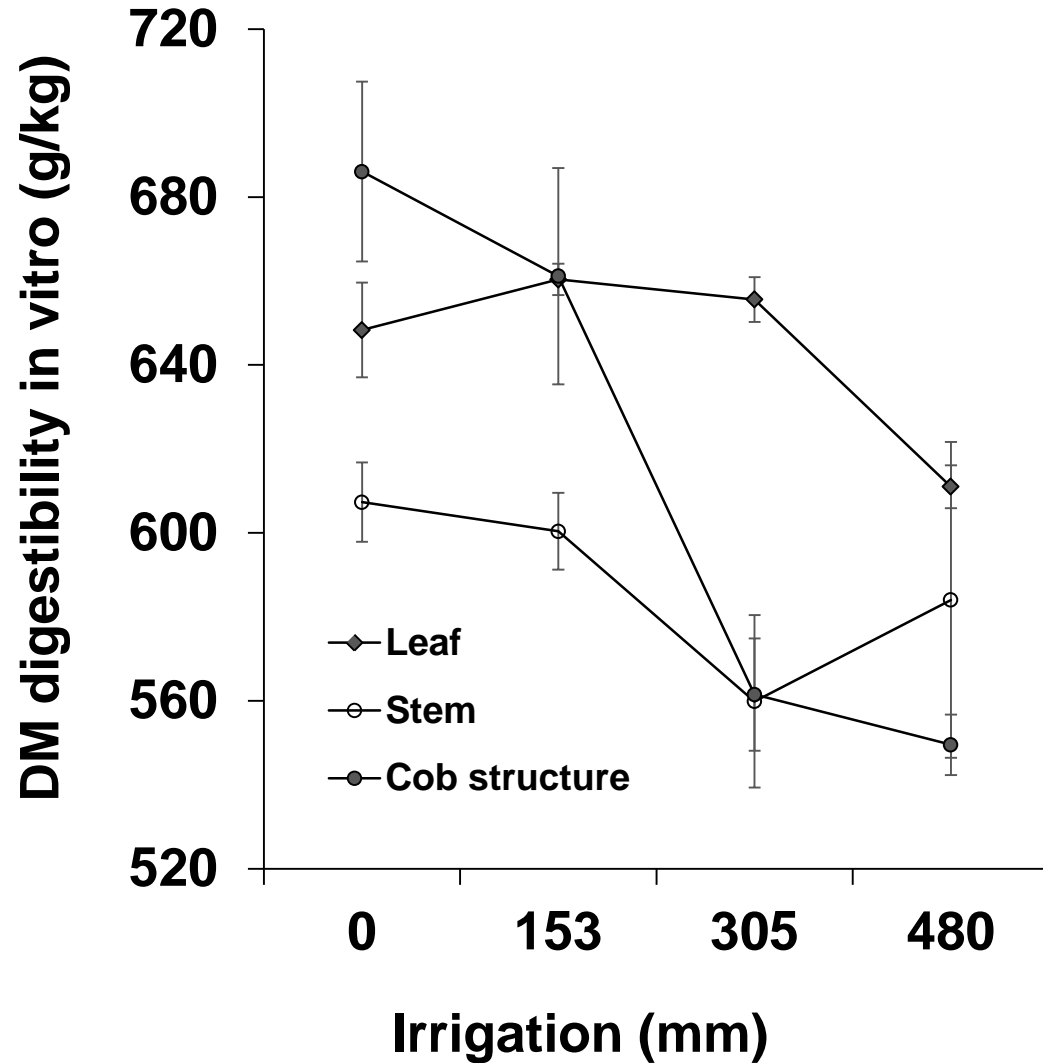
Irrigation increases:

- Fibre





Irrigation reduces digestibility of non-grain fractions



Irrigation reduces:

- Protein and soluble CHO from non-grain fractions

Irrigation increases:

- Fibre in non-grain fractions

Irrigation reduces:

- Digestibility in non-grain fractions

