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Use of competitive crops to reduce *Cirsium arvense*

Ilse A. Rasmussen

Formerly employed at
Aarhus University

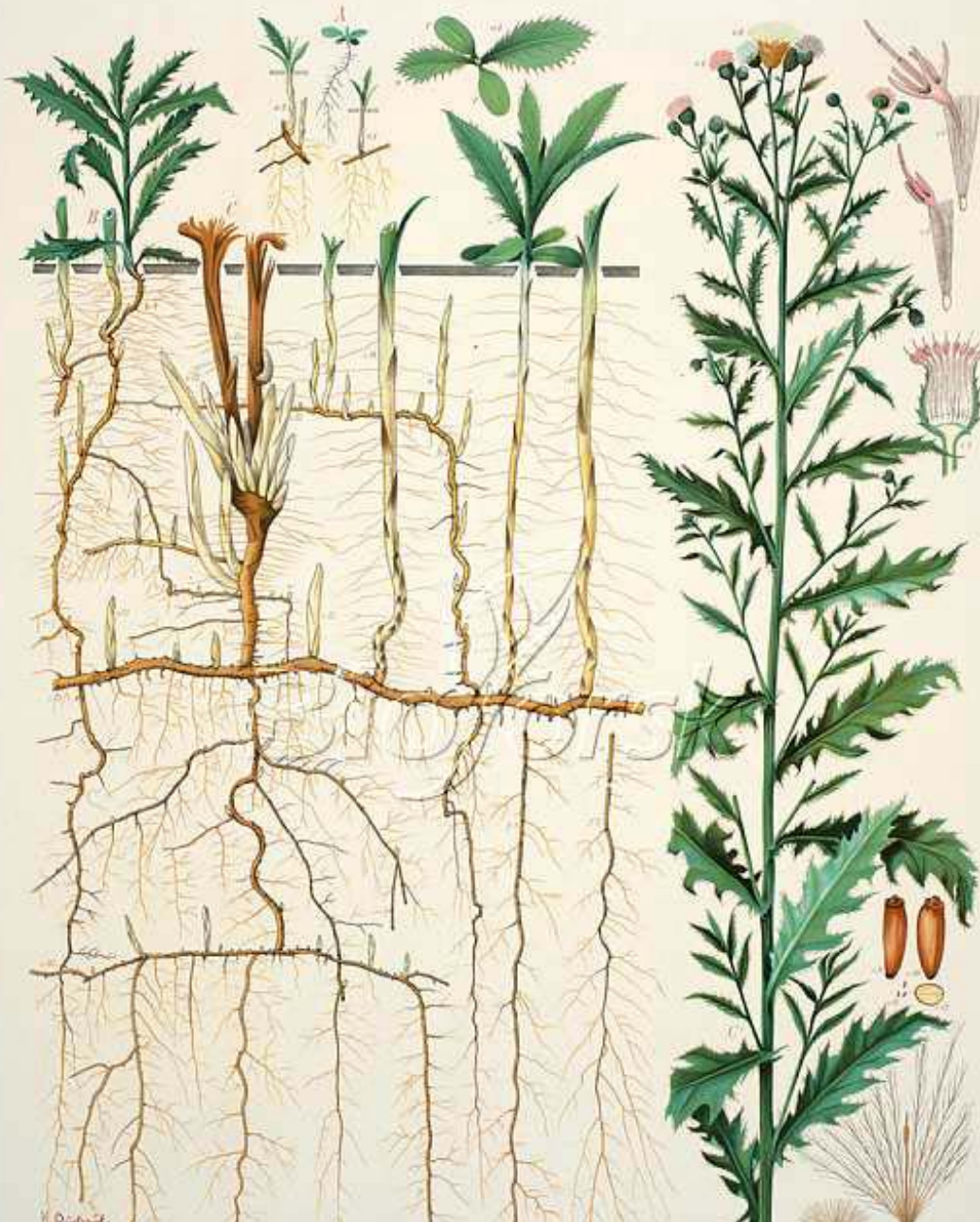
All photos courtesy of:

Henning C. Thomsen, Eugene Driessen, Bo Melander
Aarhus University

Cirsium arvense
Ilse A. Rasmussen

30th September, 2011

Cirsium arvense



From the weed garden of prof. Korsmo
(<http://foto.bioforsk.no/fotoweb/ugras/UK/Index.fwx>)



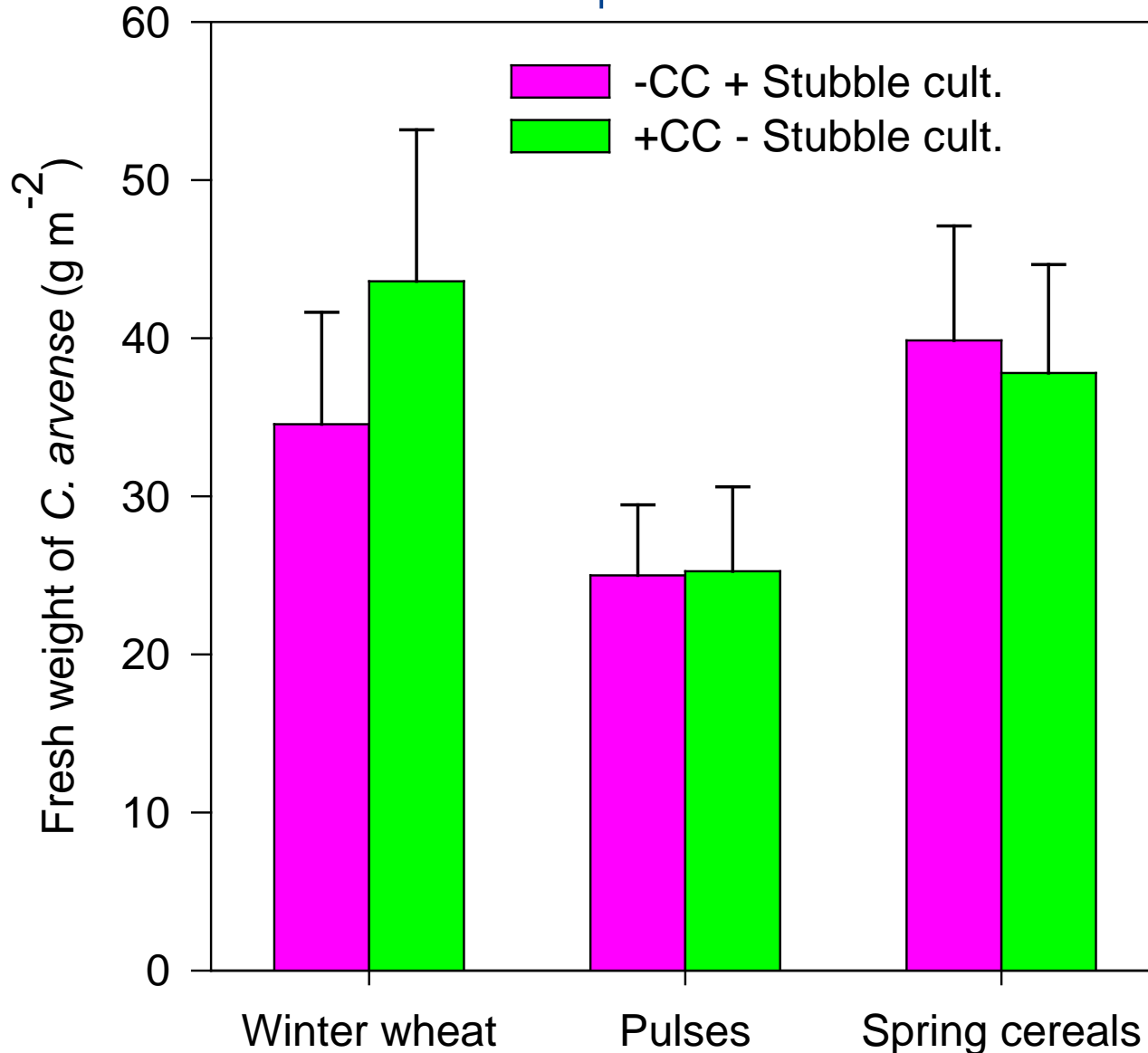


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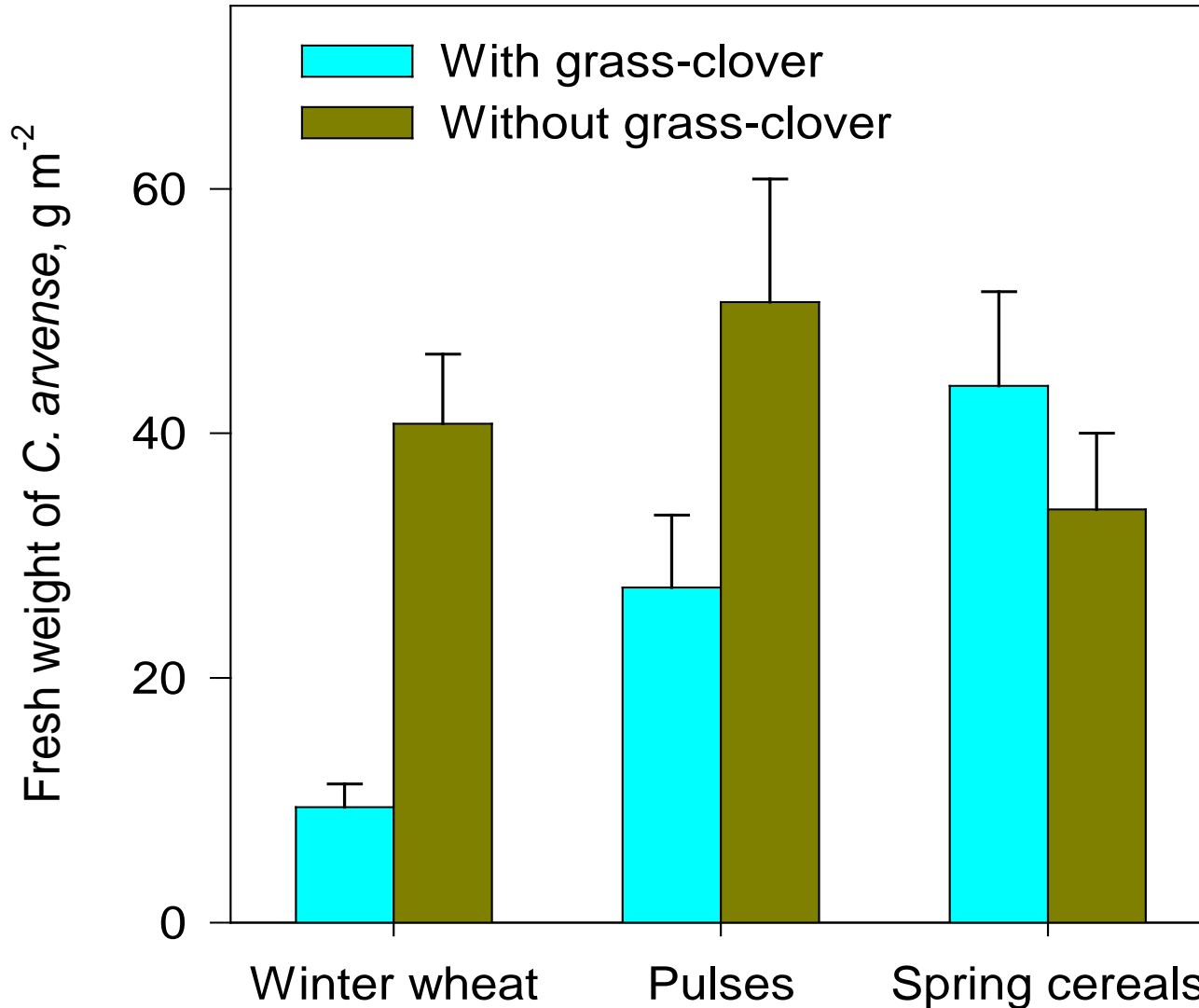
Biomass of *C. arvense* in different crops with and without catch crops/stubble cultivation



From Rasmussen

et al. 2005

C. arvense biomass on sandy loam in different crop types in two rotations



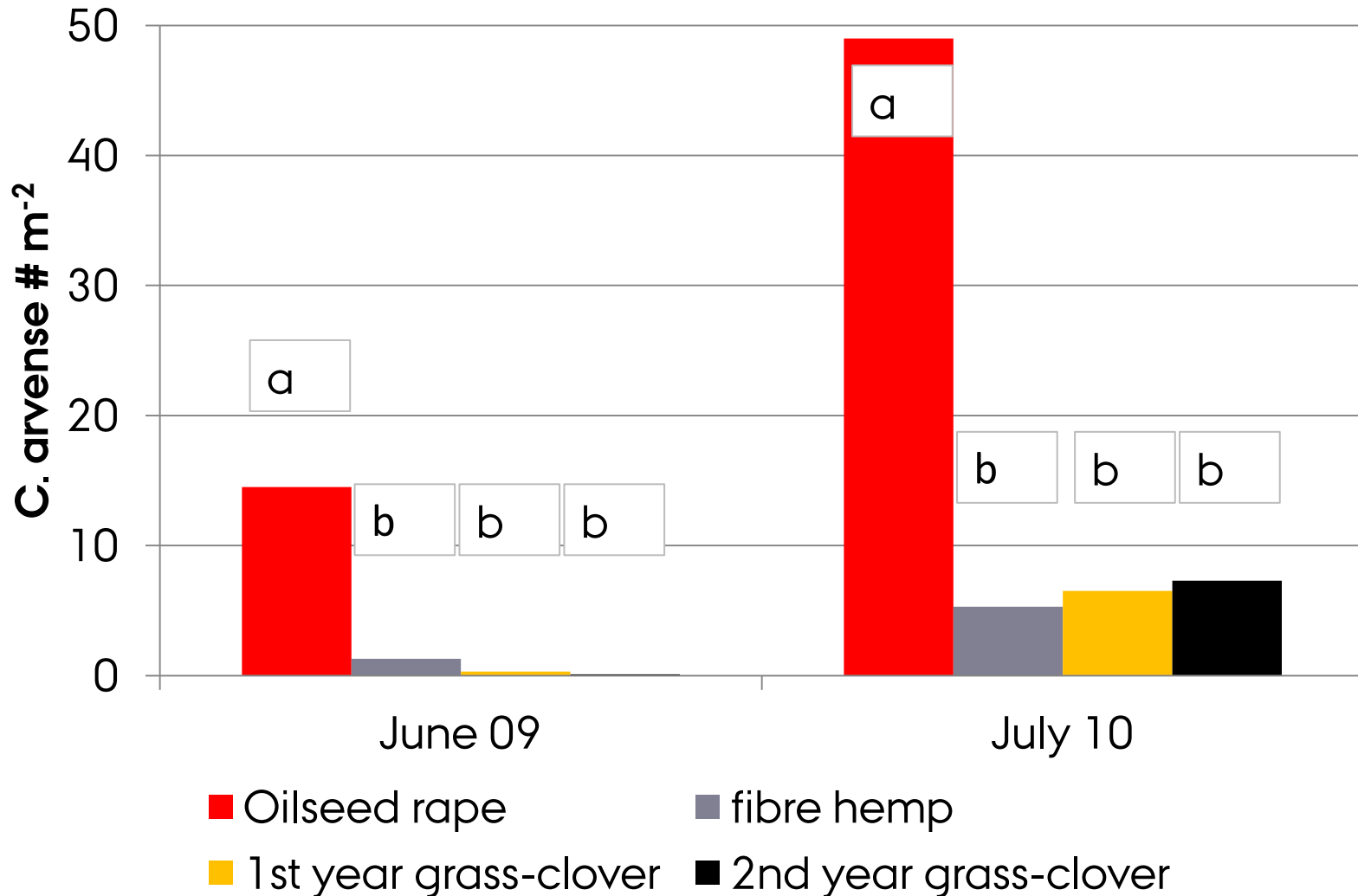
Crop rotation in experiment

Year	Field 1	Field 2	Field 3	Field 4
2004	Sugar beets	S. barley	Grass-clover	W. wheat + catch crop
2005	S. barley	Grass-clover	Potatoes	S. oats + catch crop
2006	Grass-clover	Potatoes	W. wheat + catch crop	S. barley
2007	Potatoes	W. wheat + catch crop	S. barley	Grass-clover
2008	W. wheat + catch crop	S. barley	Grass-clover	Potatoes
2009	W. oilseed rape	Grass-clover	Grass-clover	Hemp
2010	S. barley	S. barley	S. barley	S. barley

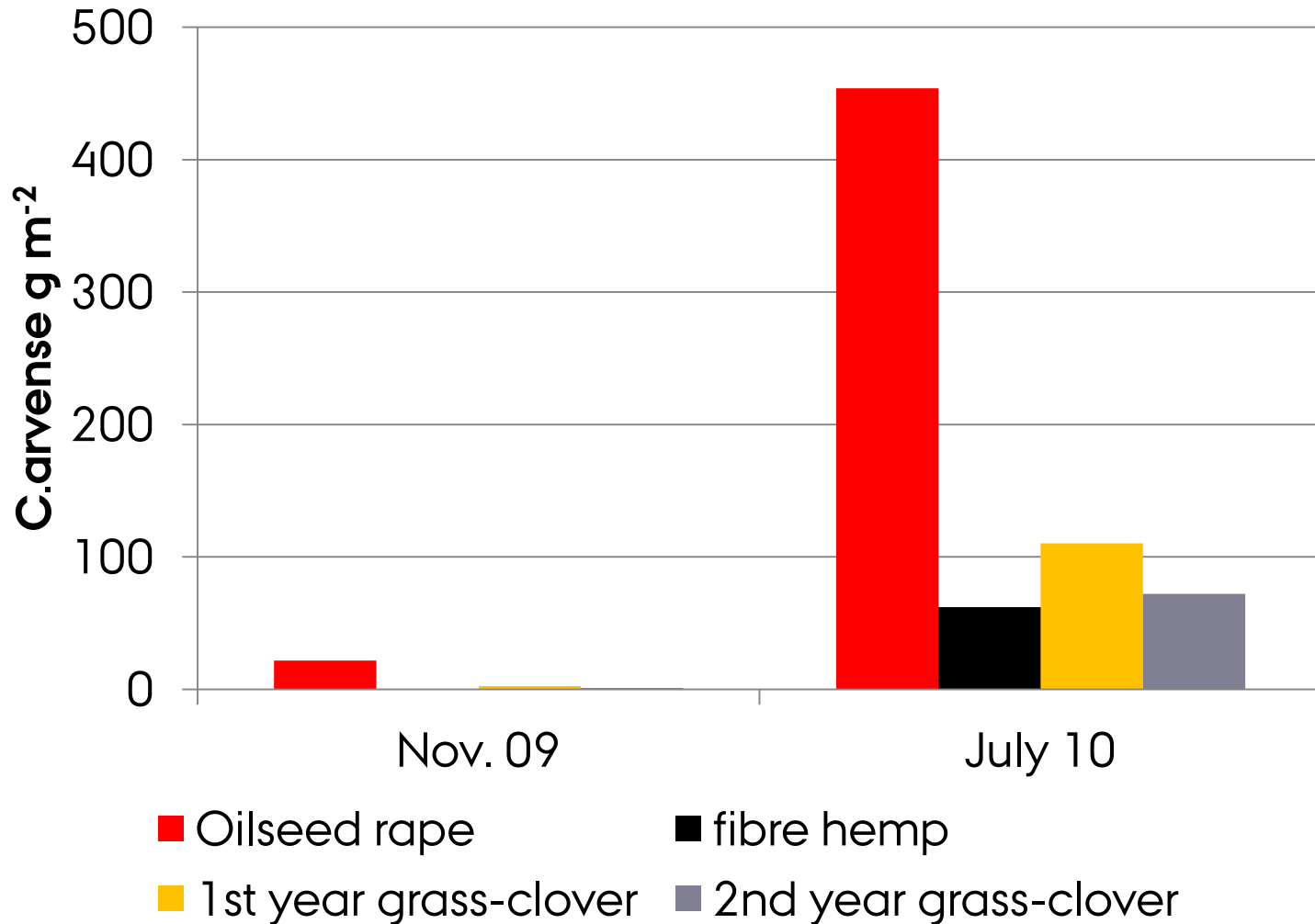




C. arvense number m⁻²



C. arvense biomass g m^{-2}



Can competitive crops be used to reduce Cirsium arvense?

- › Competitive crops should be one of the strategies used in the management
- › A crop that is expected to be competitive, may sometimes not be so
- › The crops shown here are examples, others could be relevant in other situations.

Acknowledgements

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