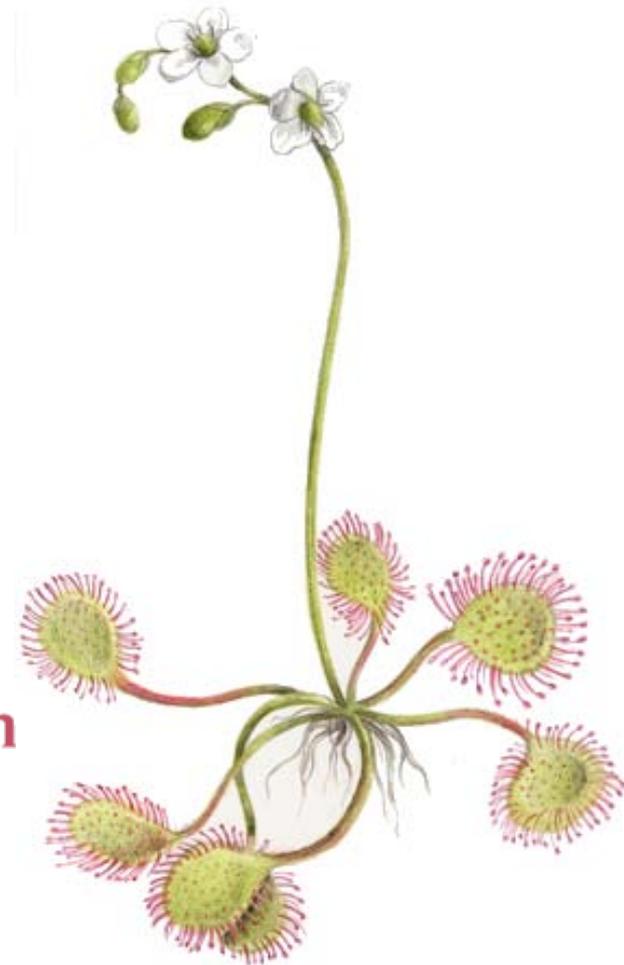
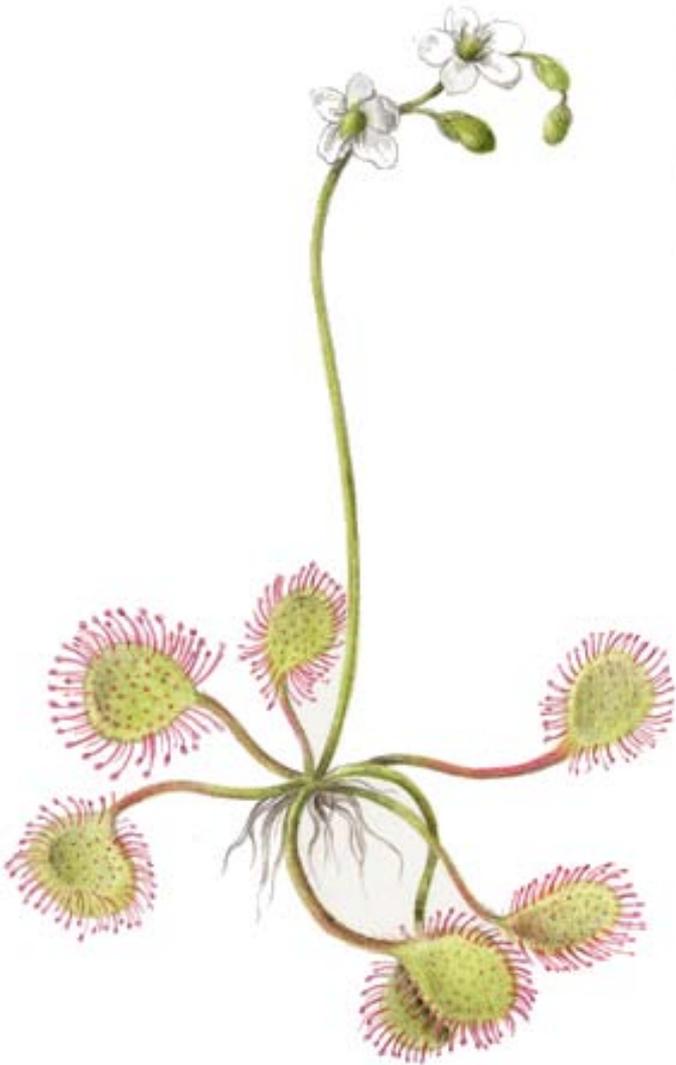


Changes in leaf colour of the carnivorous plant
Drosera rotundifolia due to nitrogen deposition: a
novel indicator of above-ground interactions and
N deposition?

Jonathan Millett
George Foot



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Brita Svensson (Uppsala University)

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British Ecological Society





Increasing aboveground interactions

Precise indicator of N deposition



nd

Sweden

Norway

Finland

Oslo

Stockholm

Helsinki

Tallinn

Estonia

Baltic Sea

Latvia

North Sea

Denmark

Lithuania

Vilnius

Minsk

Belarus

United Kingdom

Ireland

London

Netherlands

Hamburg

Berlin

Poland

Belgium

Germany

Prague

Czech Rep

Krakow

Lviv

Slovakia

Uk

Celtic Sea

Paris

Munich

Austria

Hungary

France

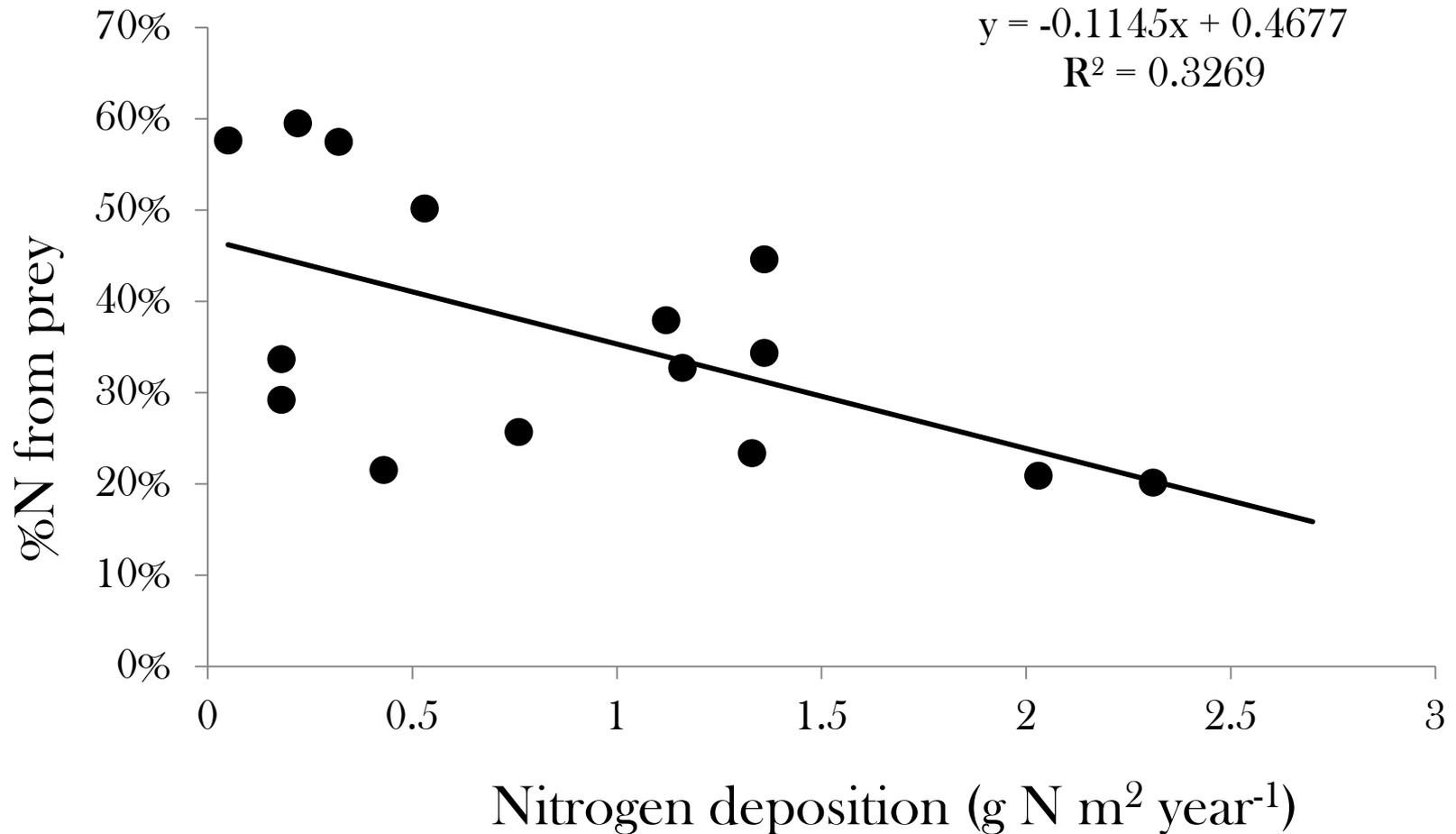
Zurich

Moldova



Higher N deposition \rightarrow less reliance on prey N

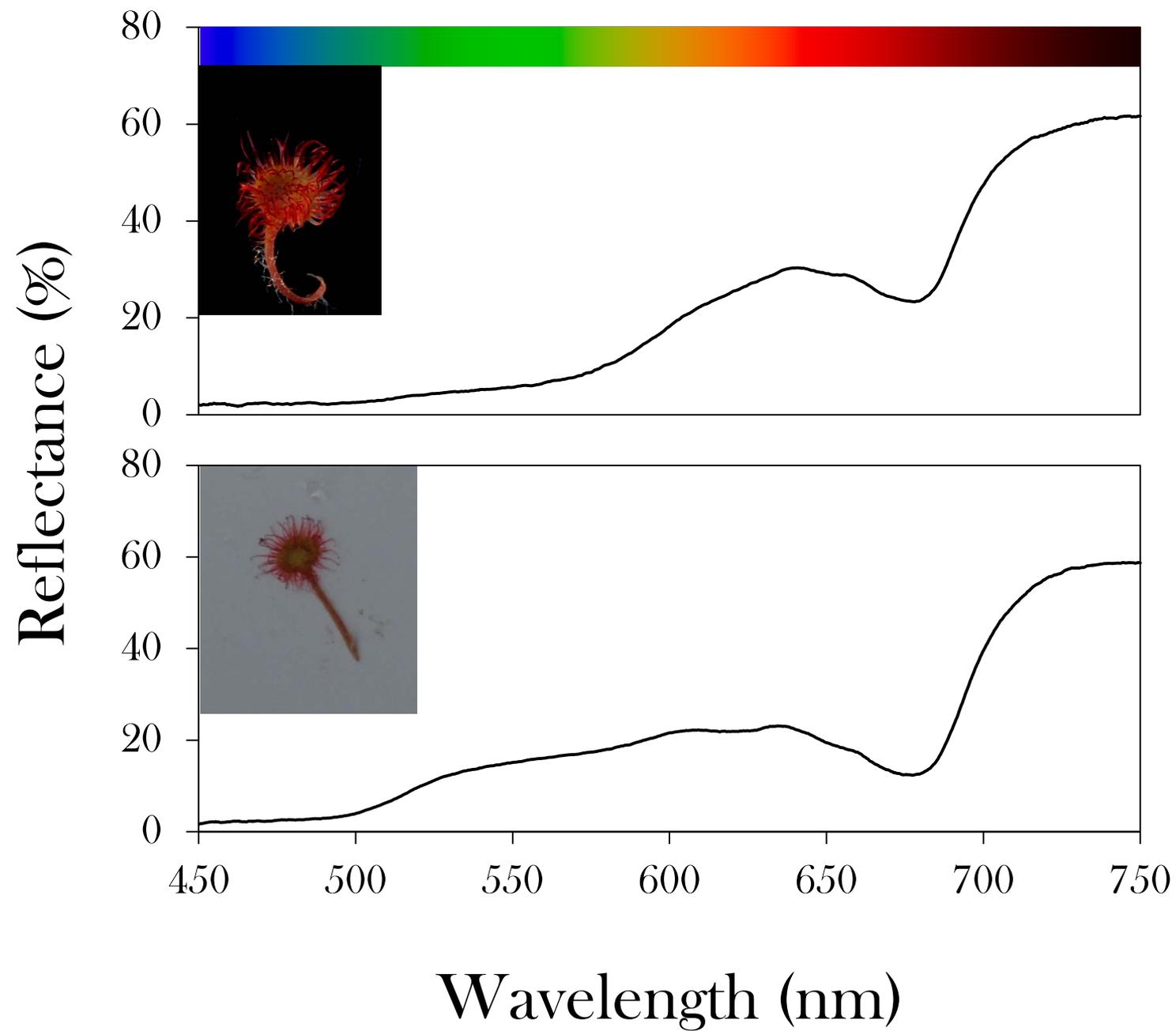
Prey N is a less important N source for carnivorous plants in higher N sites



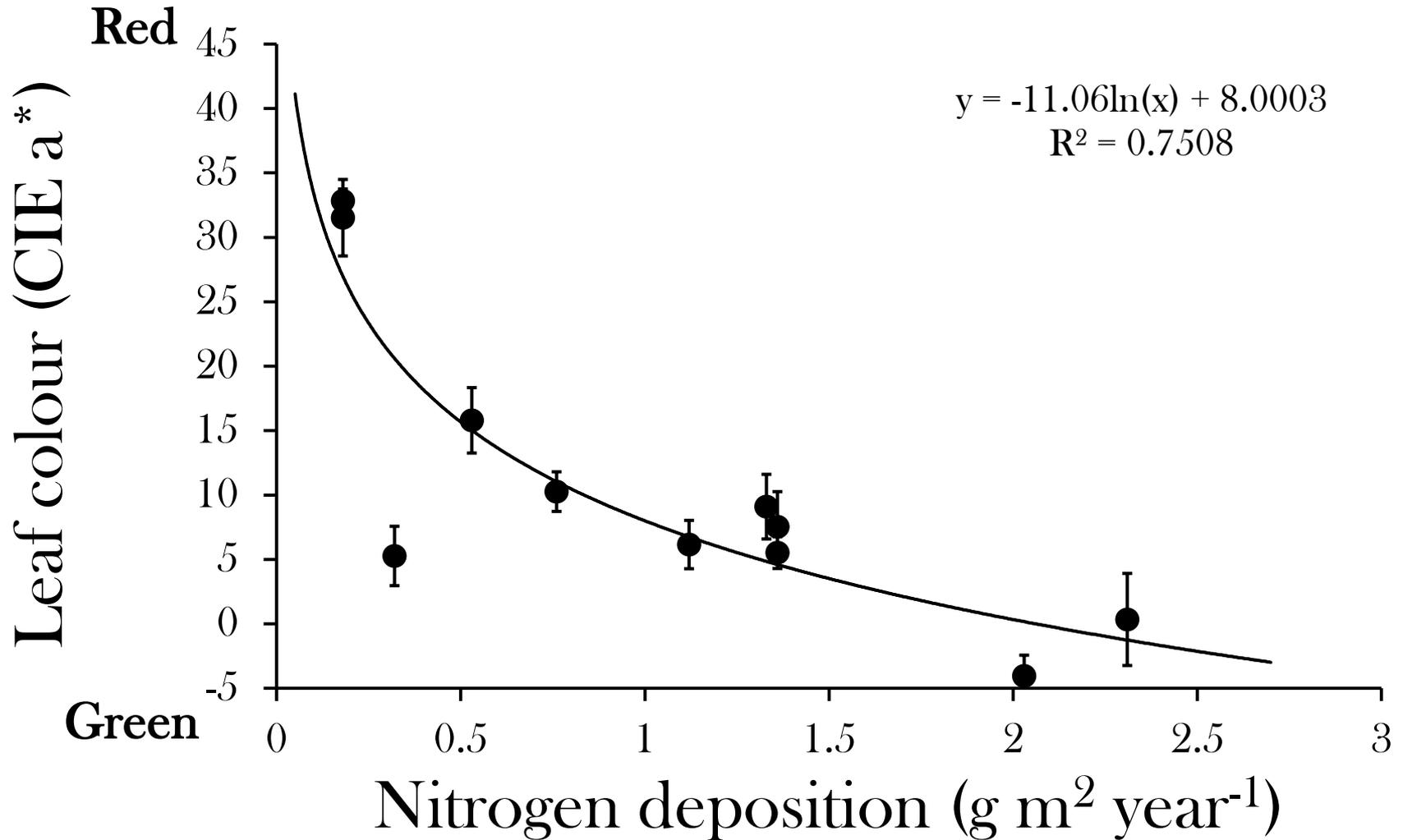
Leaf colour







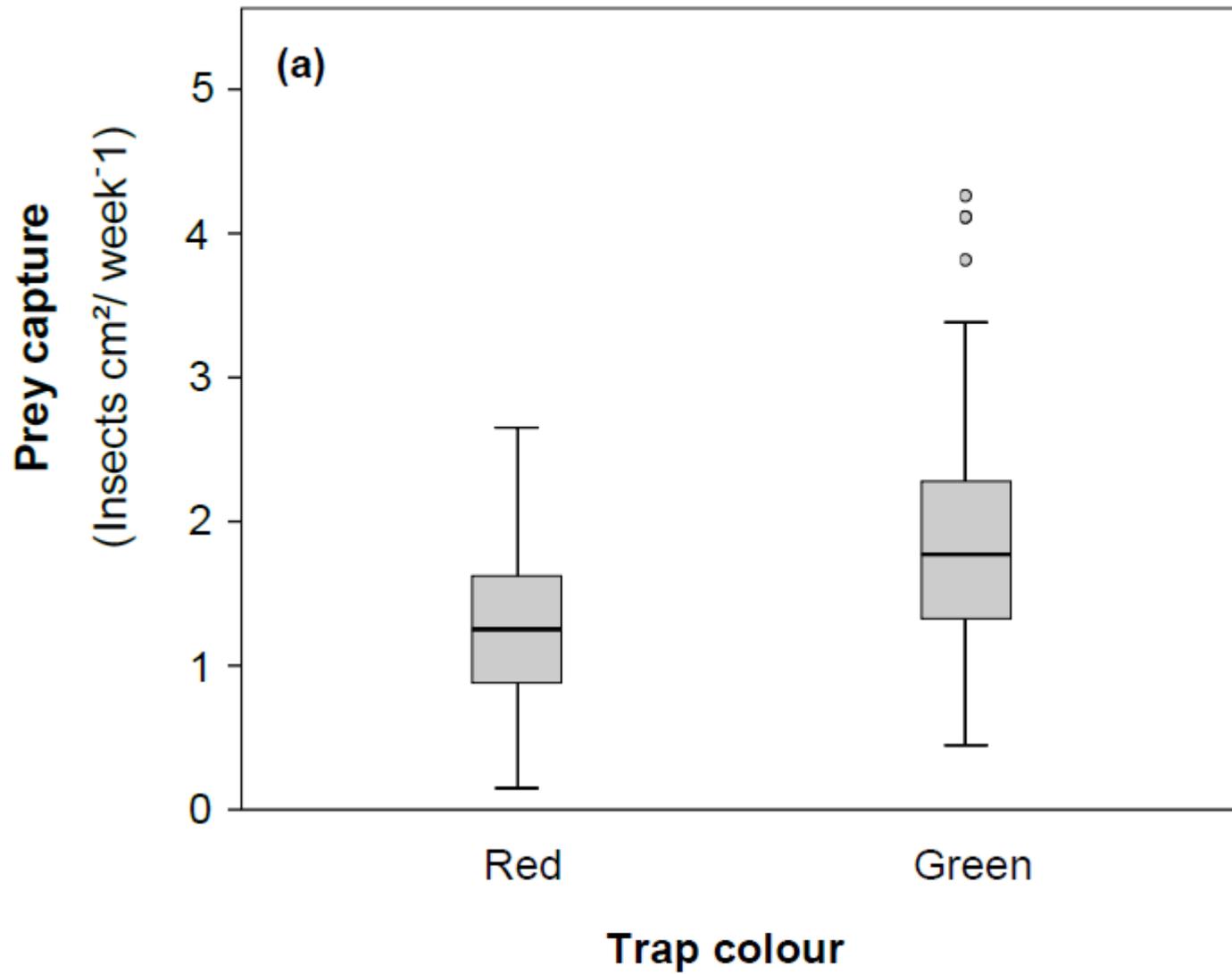
N deposition = greener leaves



Red colour is to attract insect prey

Red colour is to prevent photo damage

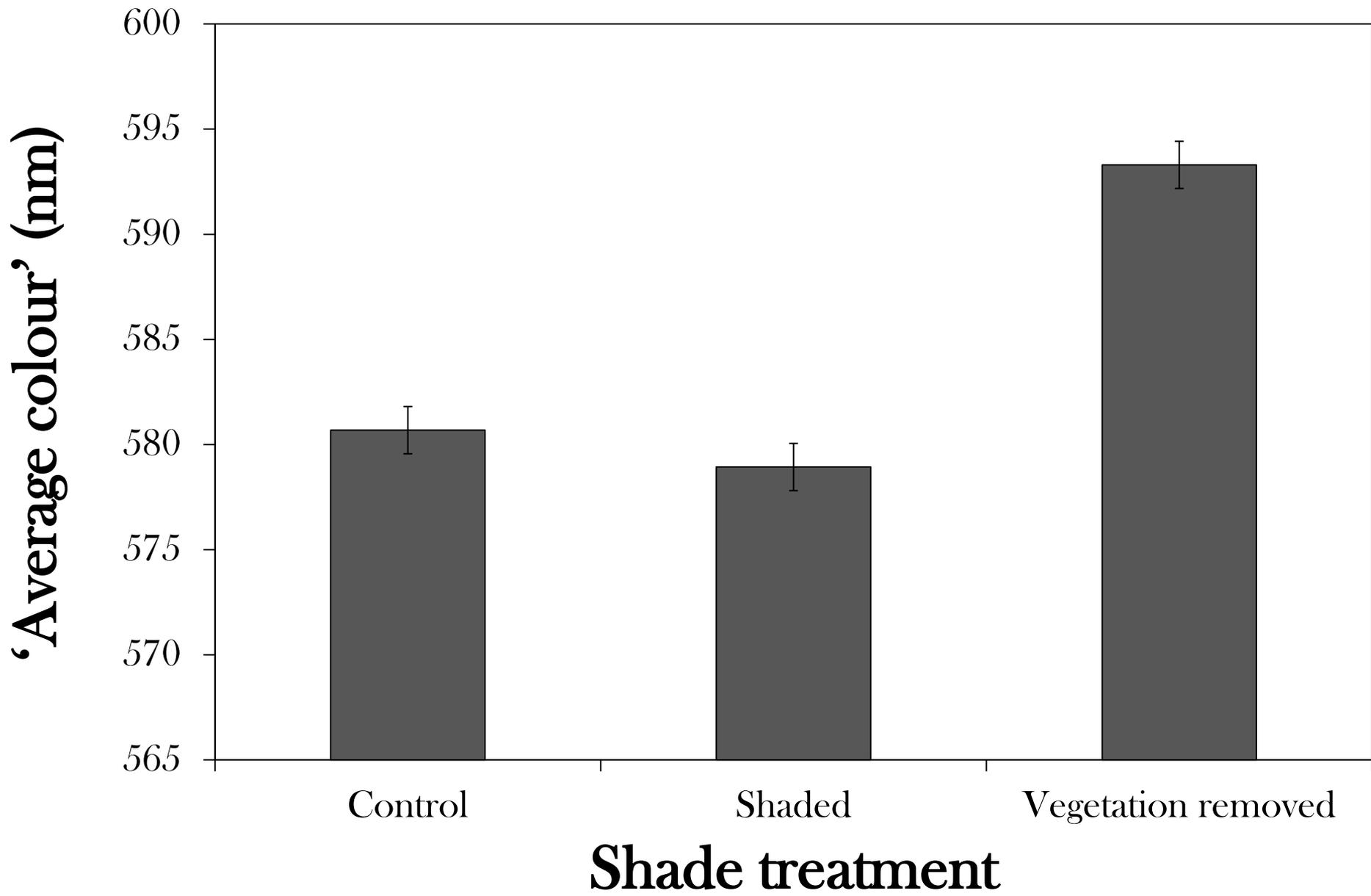


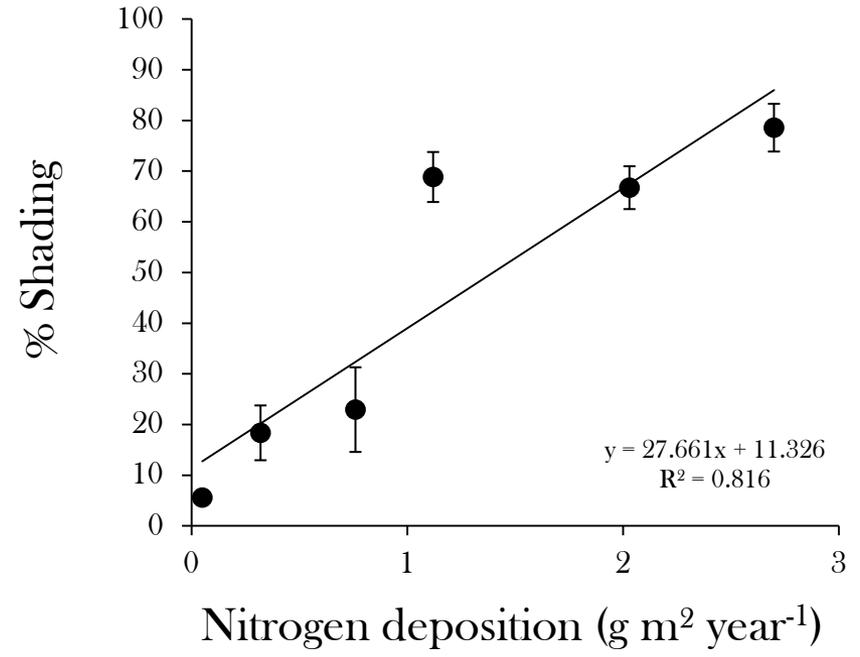
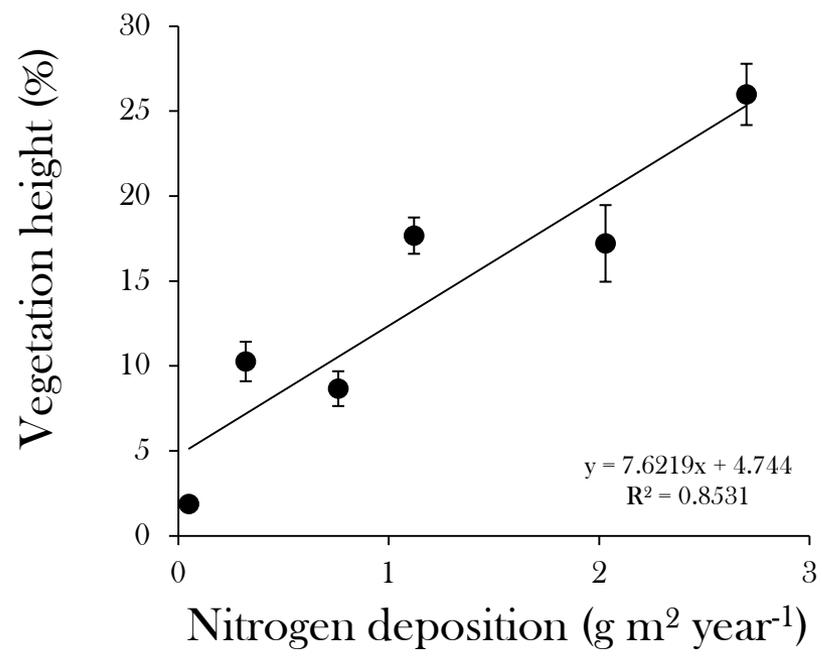
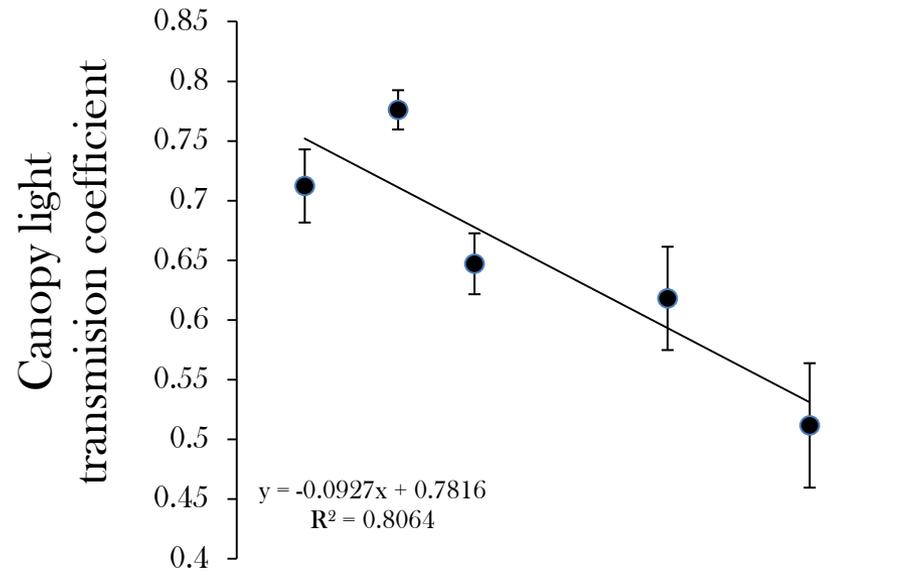
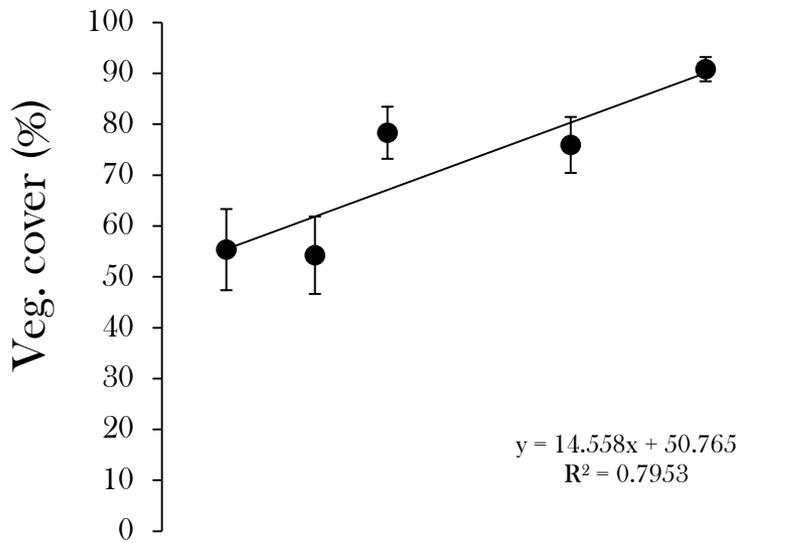


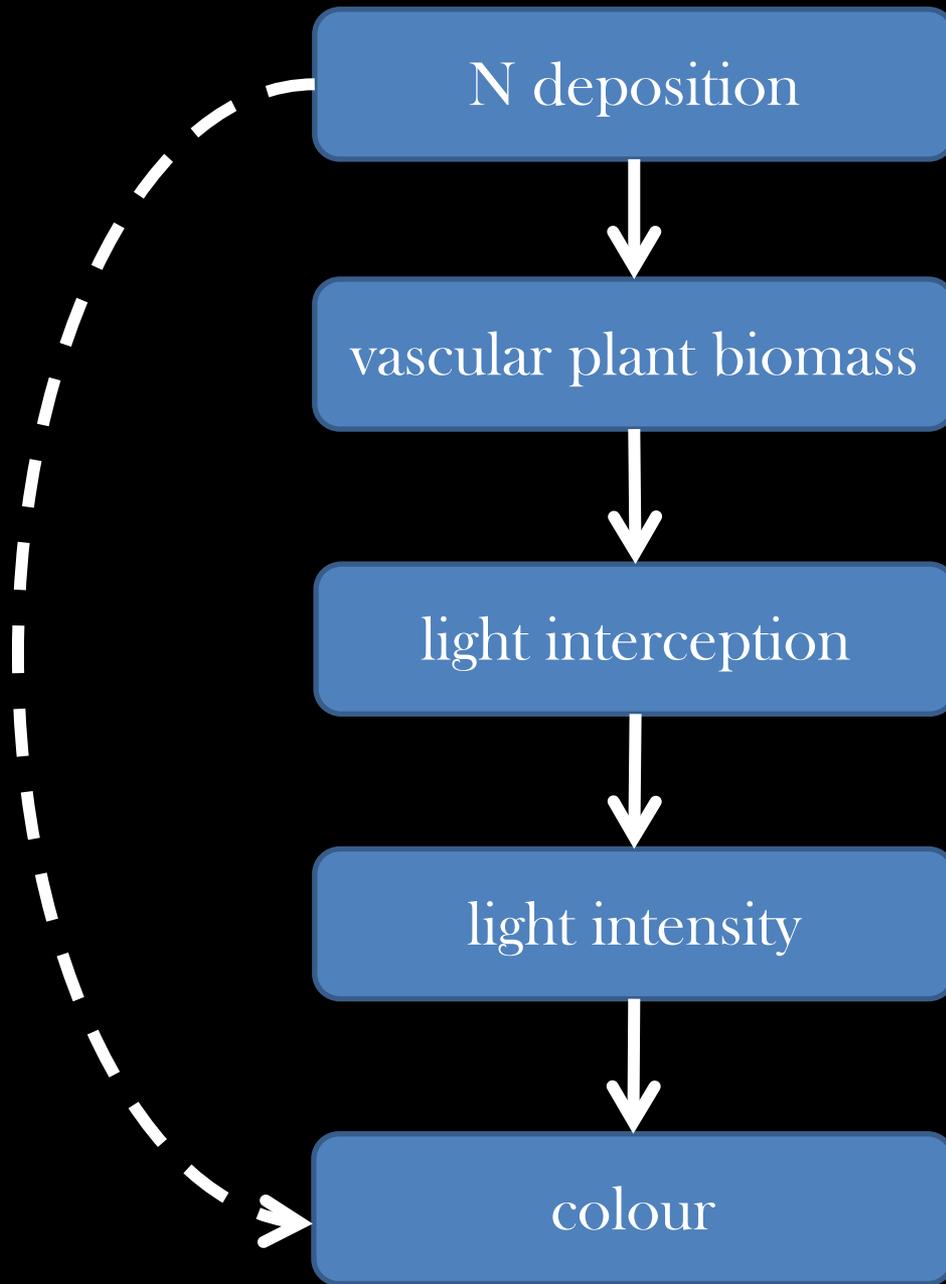


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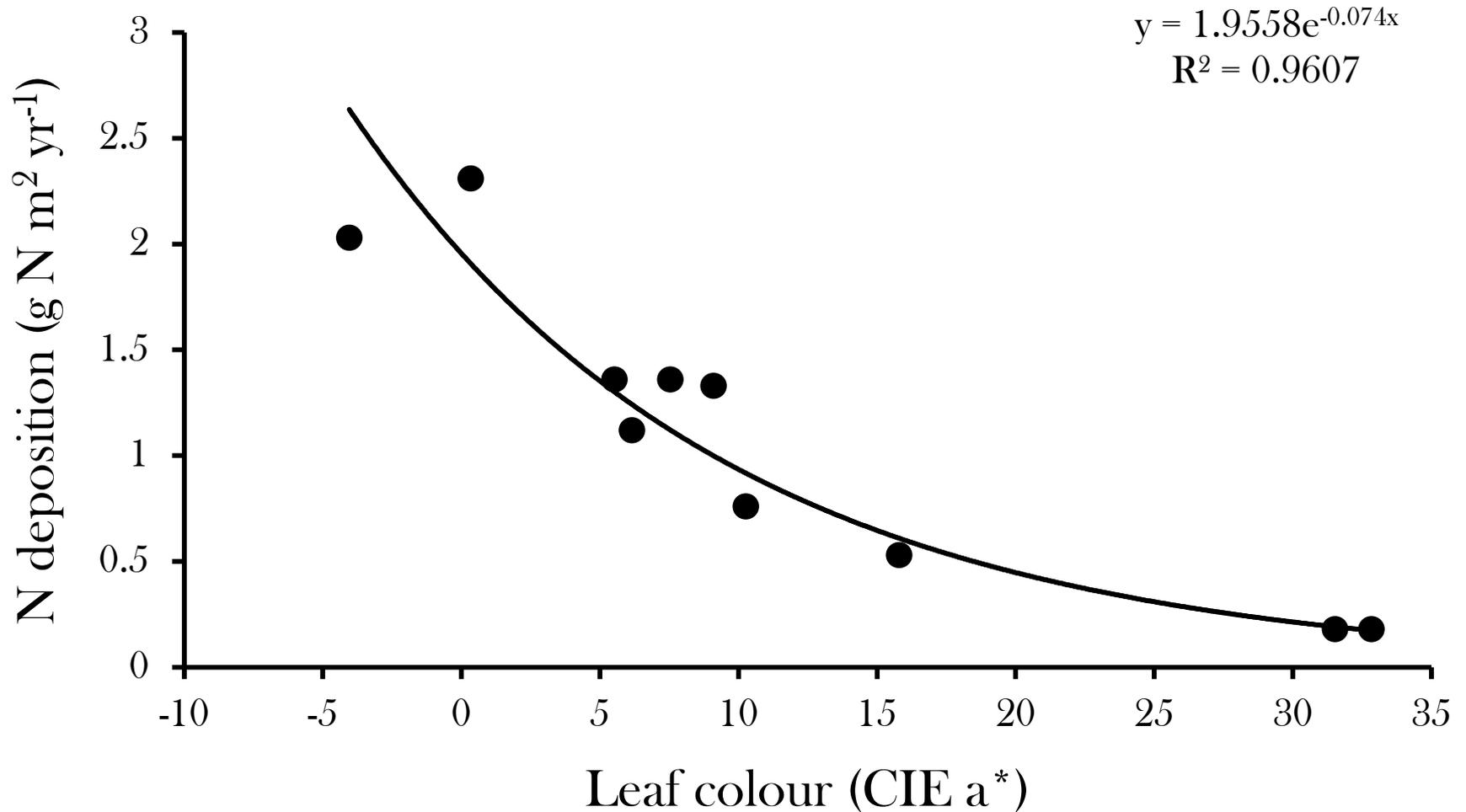








Leaf colour as indicator of N deposition?

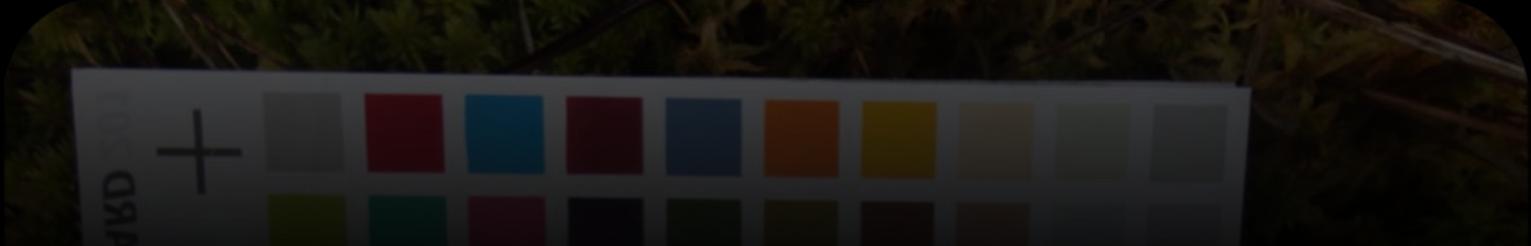


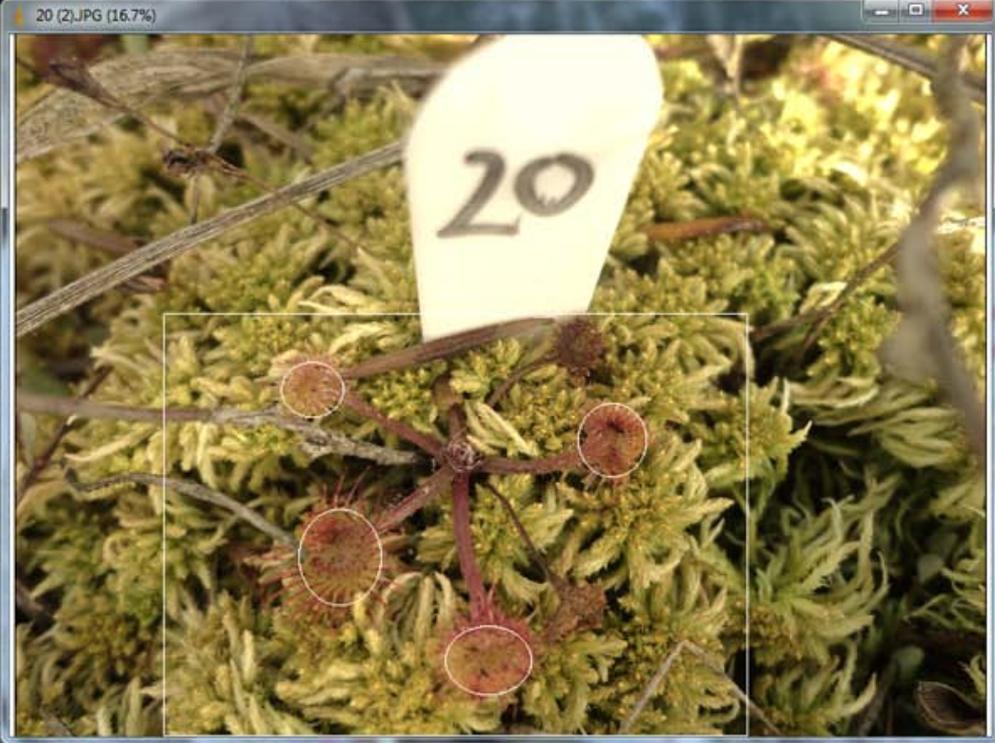
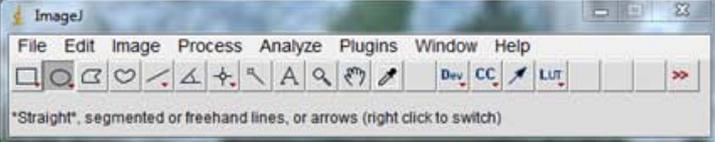


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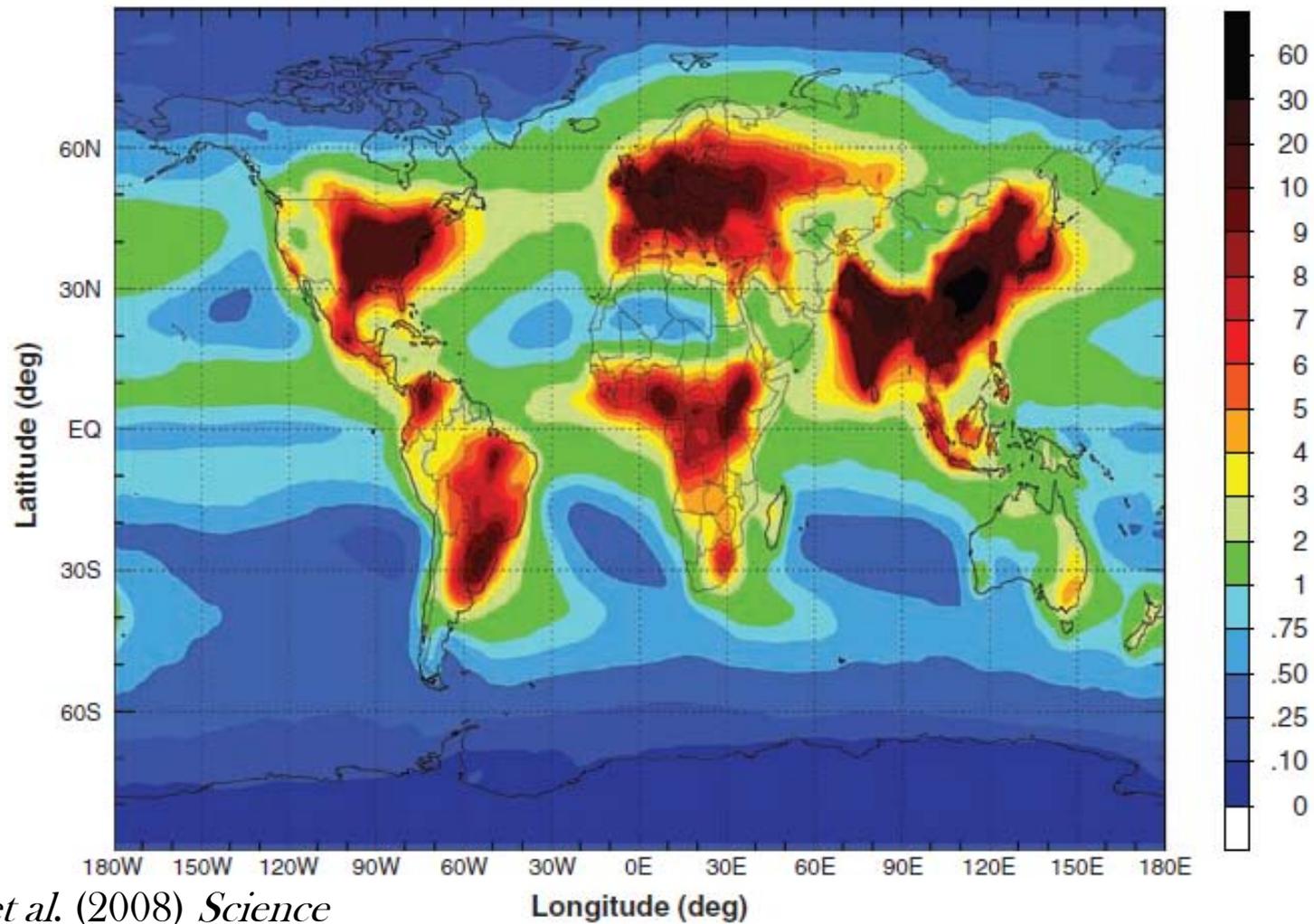
OPCARD 2017

130	120	110	100	90	80	70	60	50	40	30	20	10
1	2	3	4	5	6	7	8	9	10	11	12	13
14	15	16	17	18	19	20	21	22	23	24	25	26
27	28	29	30	31	32	33	34	35	36	37	38	39





N deposition



The End.

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