

Scientific Reports Supporting Information

Article title: **Nutrient stoichiometry in winter wheat: Element concentration pattern reflects developmental stage and weather**

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The following Supporting Information is available for this article:

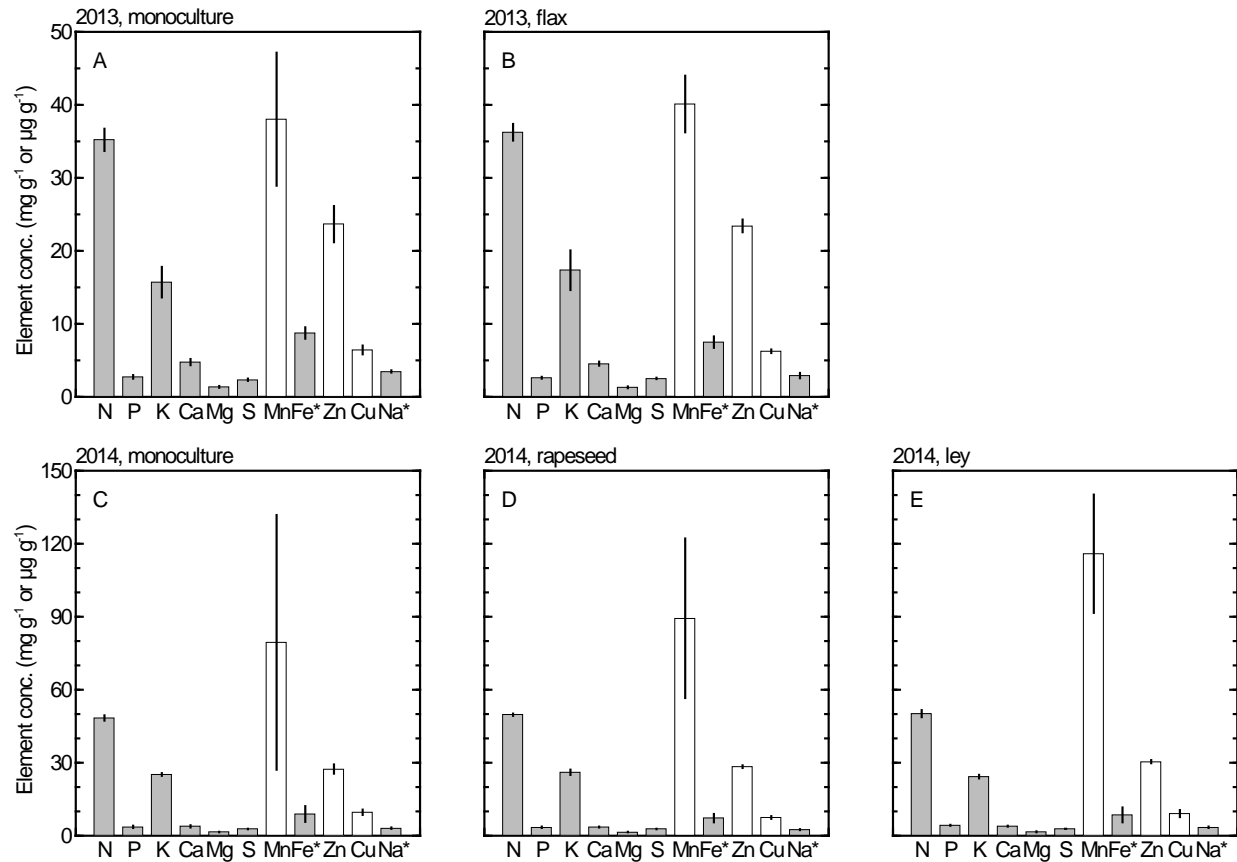


Figure S1. Means (bars) and standard deviations (whiskers) of element concentrations in **above ground biomass** of winter wheat at **BBCH 31** (start of stem elongation in spring) grown in monoculture and with various preceding crops (flax, rape, ley) in 2013 (A, B) and 2014 (C to E) in a long-term field experiment (Säby R4-0009) in Central Sweden. Units are mg g⁻¹ (closed bars) for most of the elements except Mn, Zn and Cu, for which the unit is µg g⁻¹ (open bars); * for Fe and Na means mg g⁻¹ x 10. Note the difference in the y-axis scale between top and bottom rows.

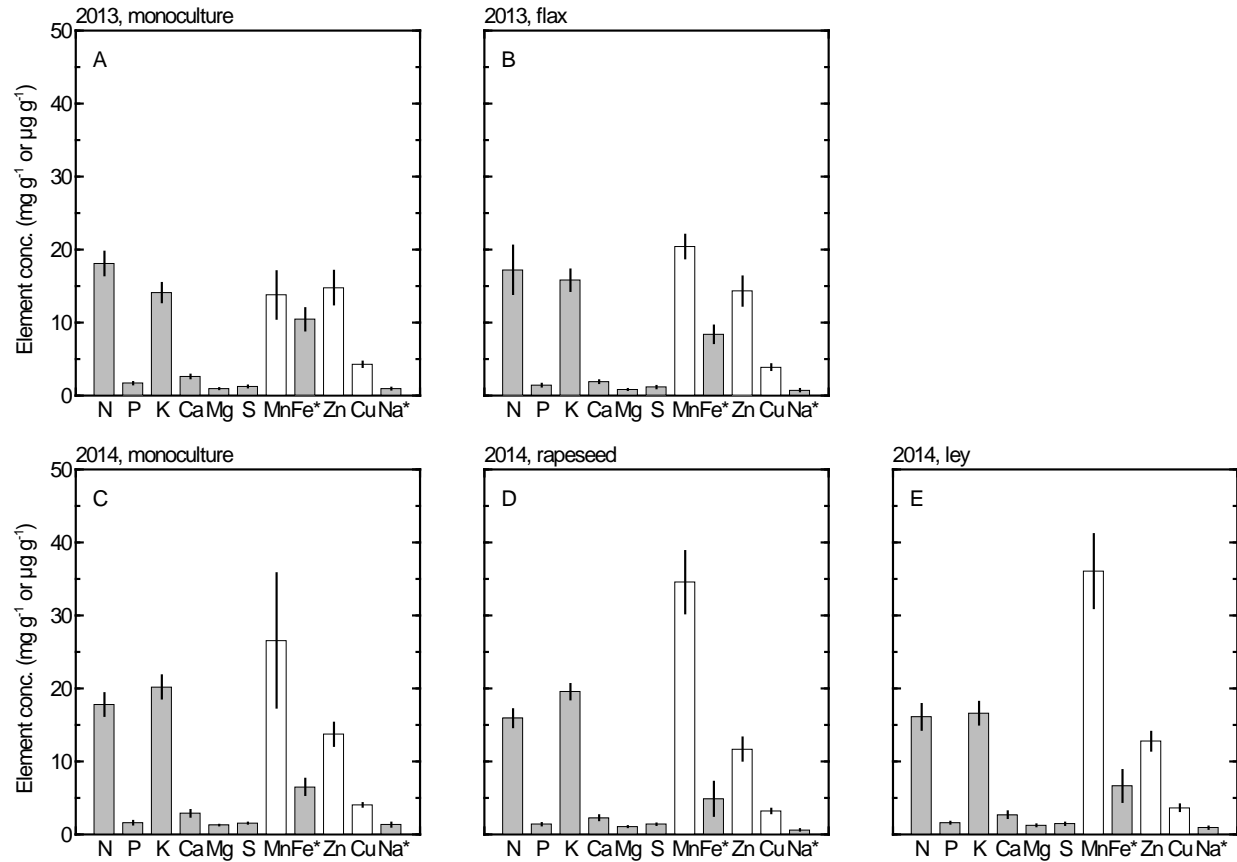


Figure S2. Means (bars) and standard deviations (whiskers) of element concentrations in **above ground biomass** of winter wheat at **BBCH 61** (anthesis) grown in monoculture and with various preceding crops (flax, rape, ley) in 2013 (A, B) and 2014 (C to E) in a long-term field experiment (Säby R4-0009) in Central Sweden. Units are mg g⁻¹ (closed bars) for most of the elements except Mn, Zn and Cu, for which the unit is μg g⁻¹(open bars); * for Fe and Na means mg g⁻¹ x 10.

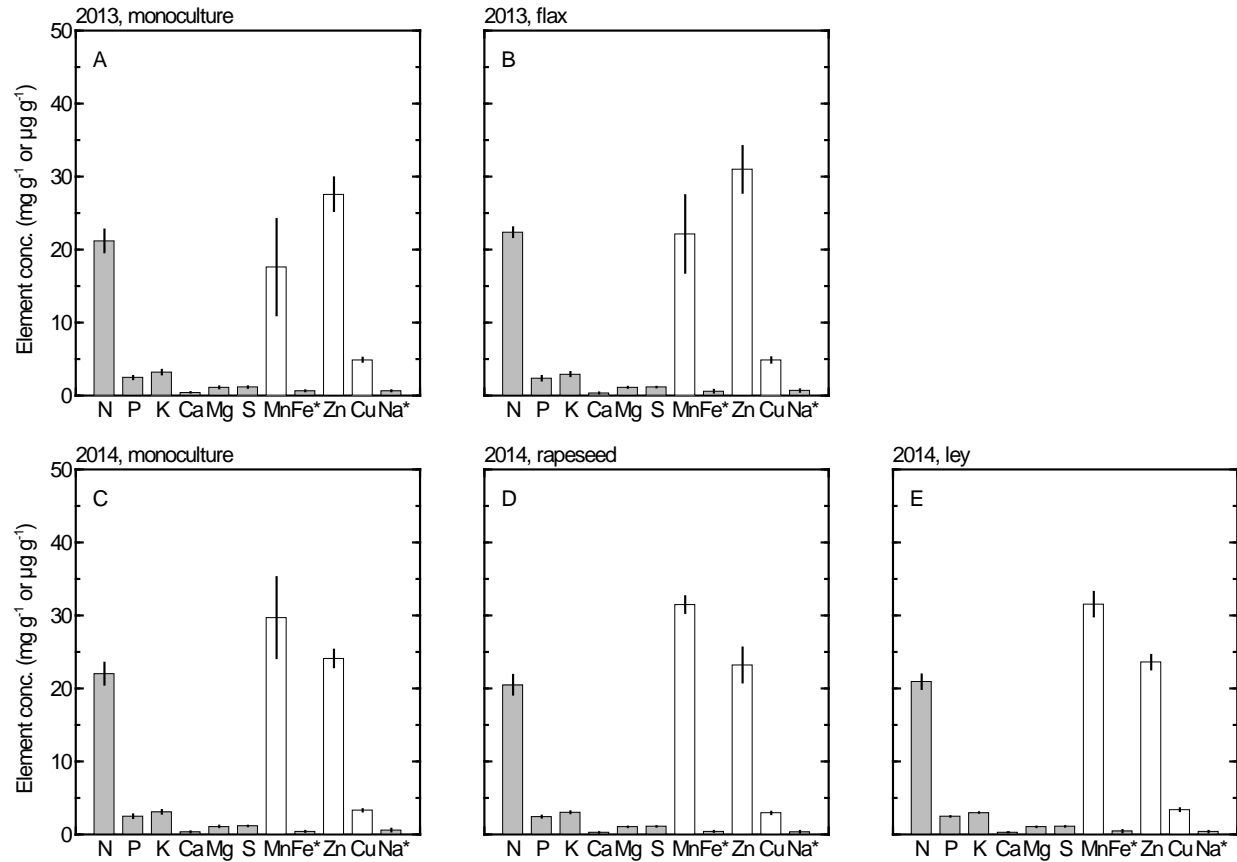


Figure S3. Means (bars) and standard deviations (whiskers) of element concentrations in **grain** yield of winter wheat grown in monoculture and with various preceding crops (flax, rape, ley) in 2013 (A, B) and 2014 (C to E) in a long-term field experiment (Säby R4-0009) in Central Sweden. Units are mg g⁻¹ (closed bars) for most of the elements except Mn, Zn and Cu, for which the unit is µg g⁻¹ (open bars); * for Fe and Na means mg g⁻¹ x 10.