

Figure 2. Nitrogen content in accumulated biomass of cover crops planted in August 2011 and terminated in May 2012. Different letters indicate significantly different species richness levels based on Tukey's HSD at a 95% confidence level.

WK = winter kill
WH = winter hardy
NF = N fixing
NS = N scavenging

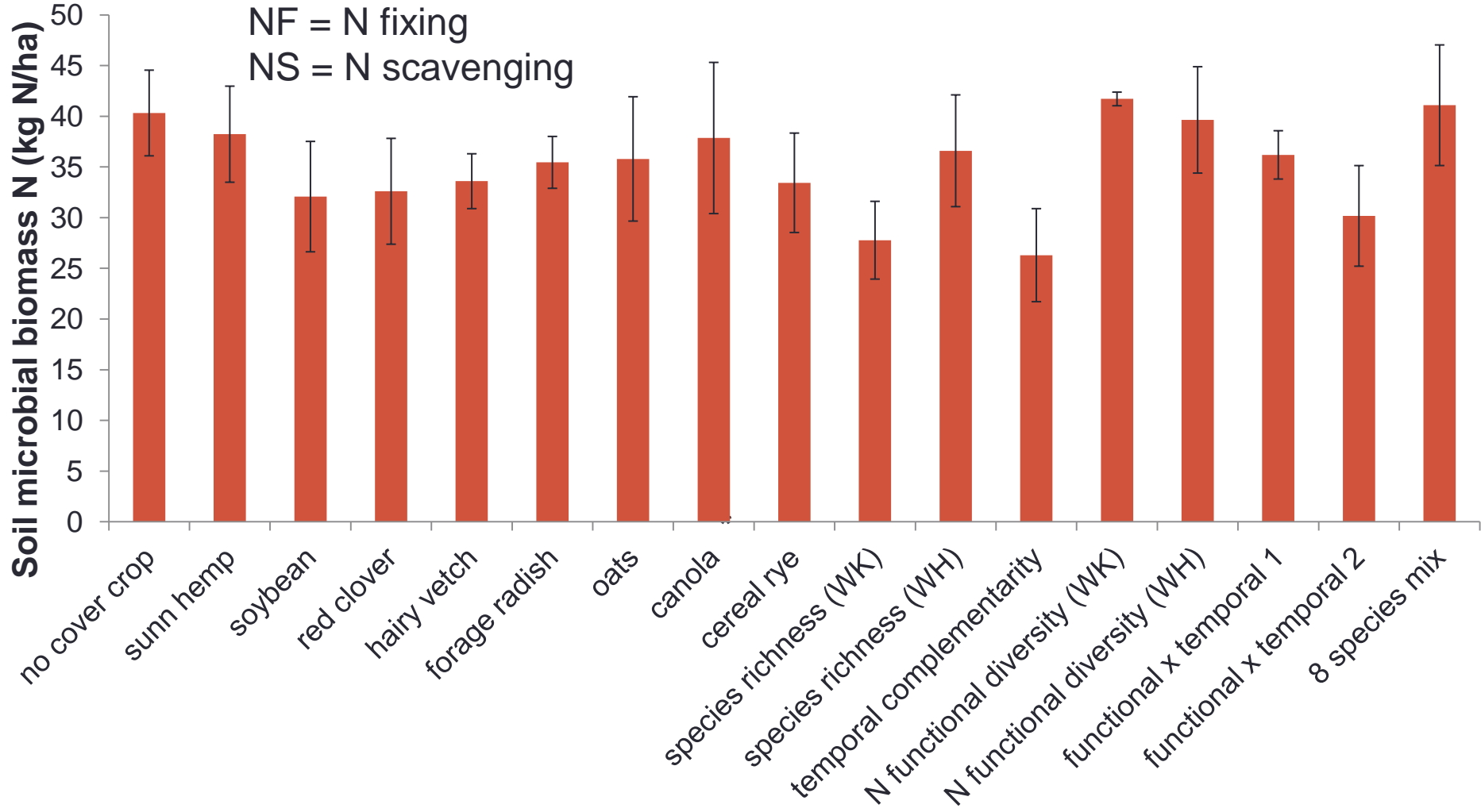


Figure 3. Soil microbial biomass nitrogen in May 2012 prior to termination of cover crops planted in August 2011. No significant differences were detected between cover crop treatments. Error bars represent +/- one standard error of the mean.

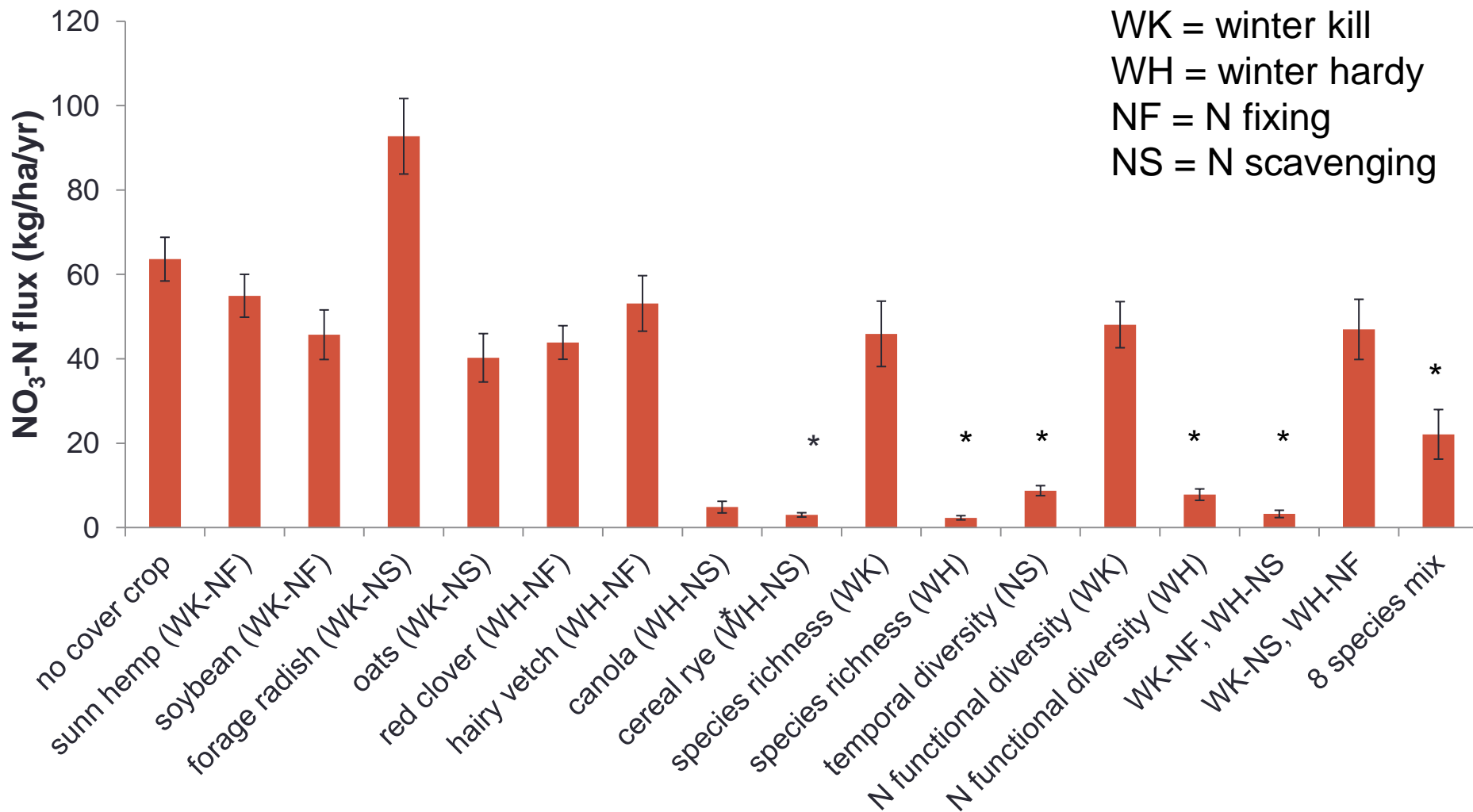


Figure 4. Mean nitrate flux measured from November 2011 through May 2012 under cover crops planted in August 2011 and terminated in May 2012. Treatments marked with an asterisk demonstrated significantly lower rates of flux than the no cover crop control based on Tukey's HSD at 95% confidence level. Error bars represent +/- one standard error of the mean.

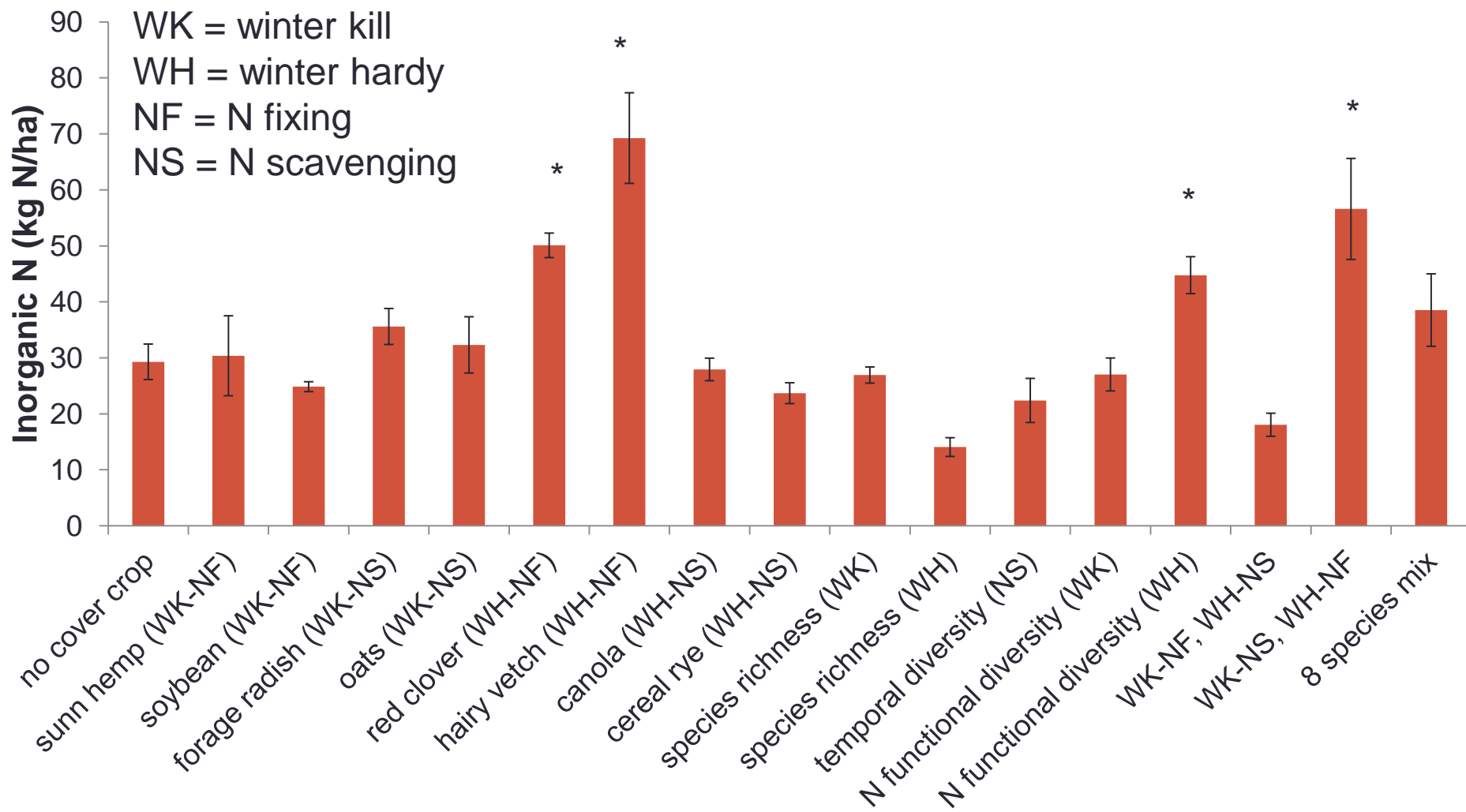


Figure 5. Soil mineral N content on 2 July 2012 in corn. Treatments marked with an asterisk demonstrated significantly higher mineral N content than the no cover crop control based on Tukey's HSD at 95% confidence level. Error bars represent +/- one standard error of the mean.