

Figure 17. Differences in soil NO<sub>3</sub>-N in 2014 (a,b,c,d) and 2015 (e,f,g,h) where SLICE procedure was used to determine the effect of rye crop management. \*, \*\*, \*\*\* Indicate significance at p<0.05, 0.01, and 0.001, respectively.

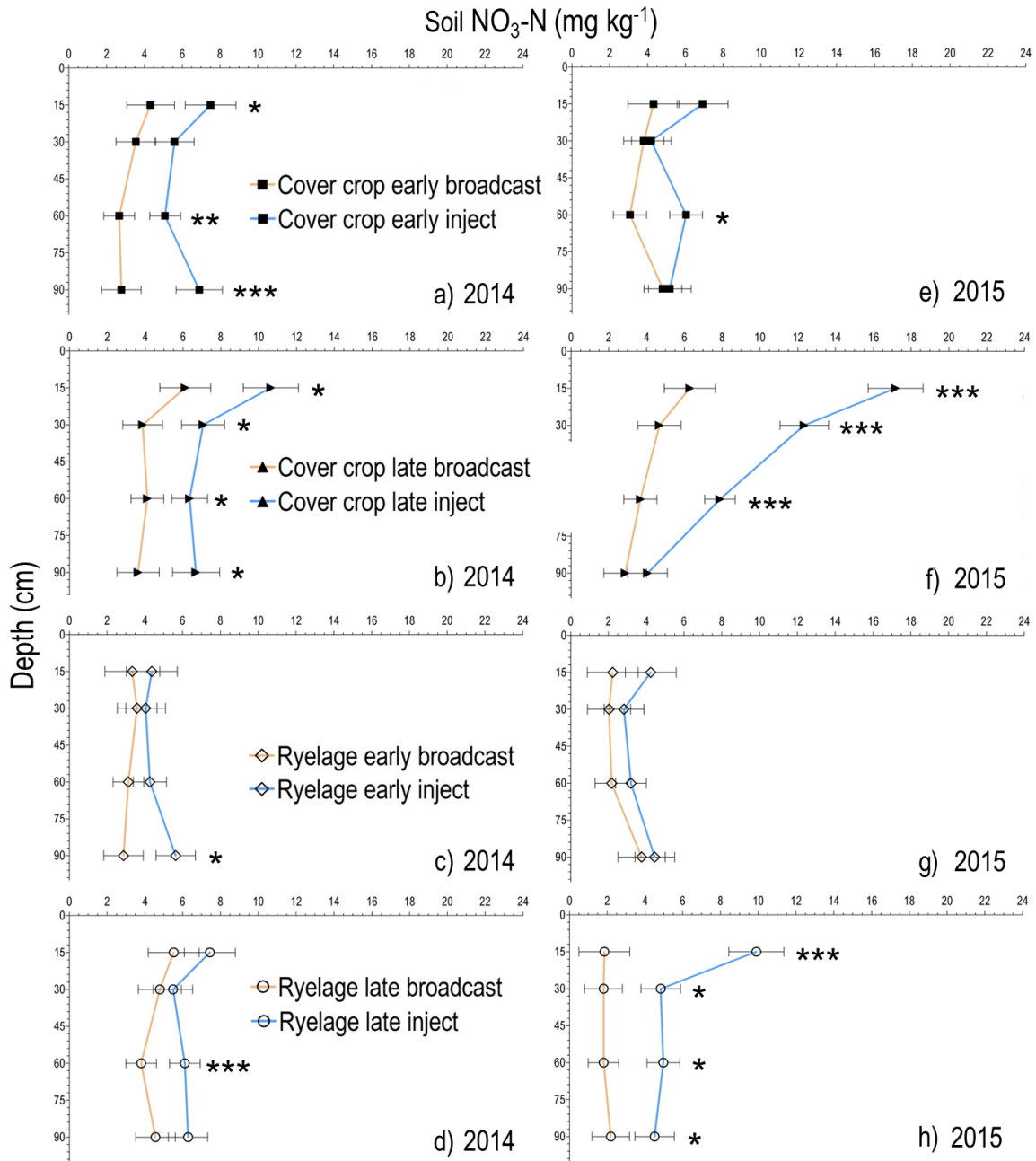


Figure 18. Differences in soil  $\text{NO}_3\text{-N}$  in 2014 (a,b,c,d) and 2015 (e,f,g,h) where SLICE procedure was used to determine the effect of manure application method. \*, \*\*, \*\*\* Indicate significance at  $p < 0.05$ , 0.01, and 0.001, respectively.

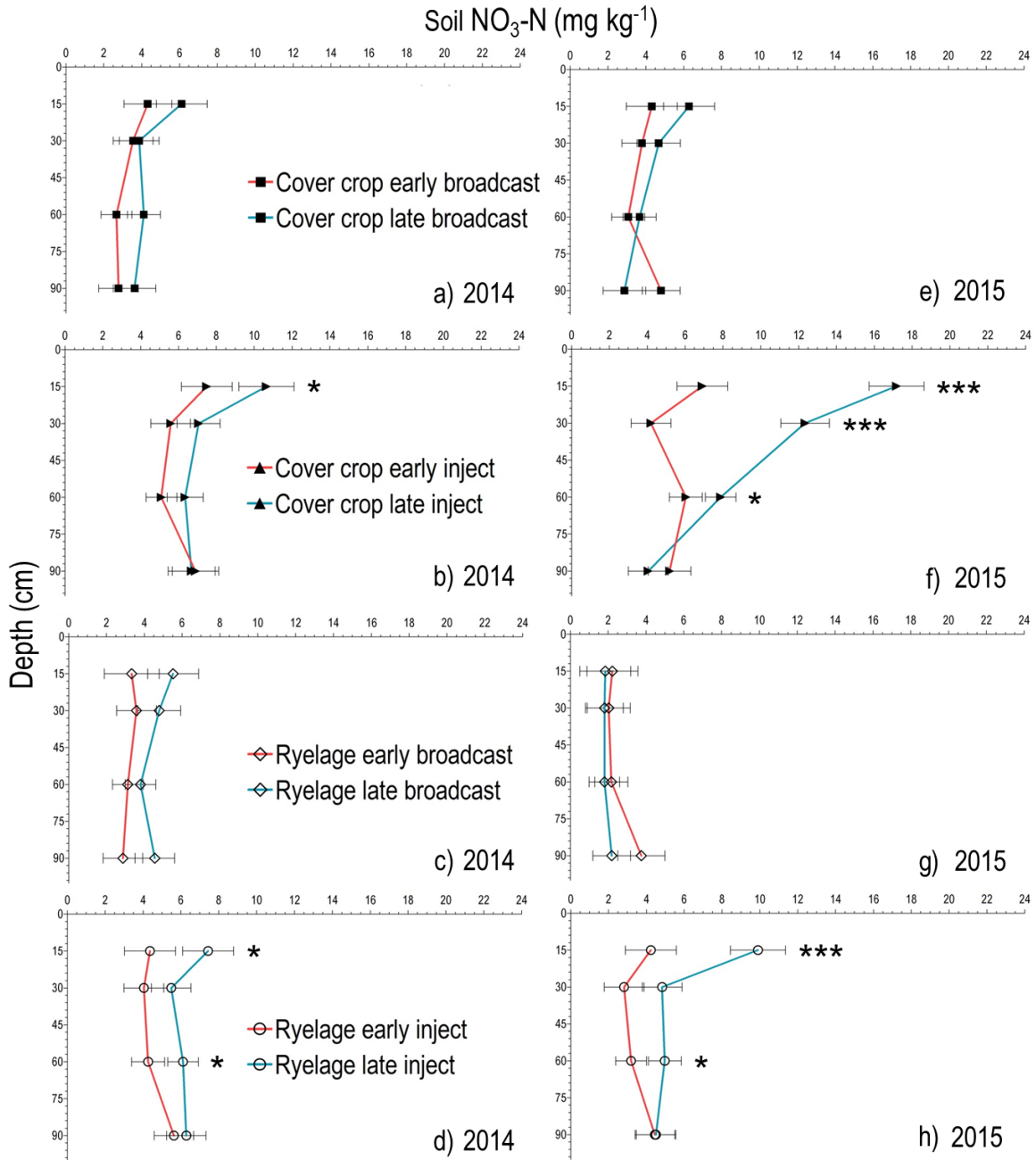


Figure 19. Differences in soil NO<sub>3</sub>-N in 2014 (a,b,c,d) and 2015 (e,f,g,h) where SLICE procedure was used to determine the effect manure application time. \*, \*\*, \*\*\* Indicate significance at p<0.05, 0.01, and 0.001, respectively.