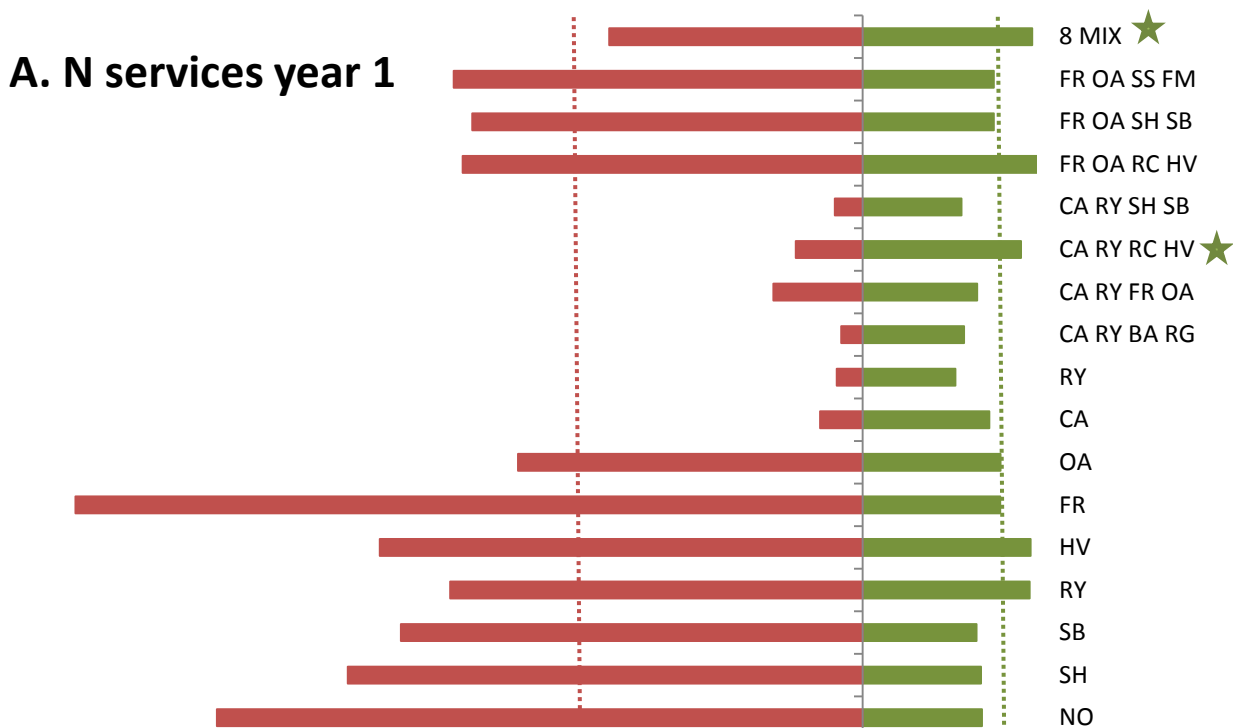


A. N services year 1



A. N services year 2

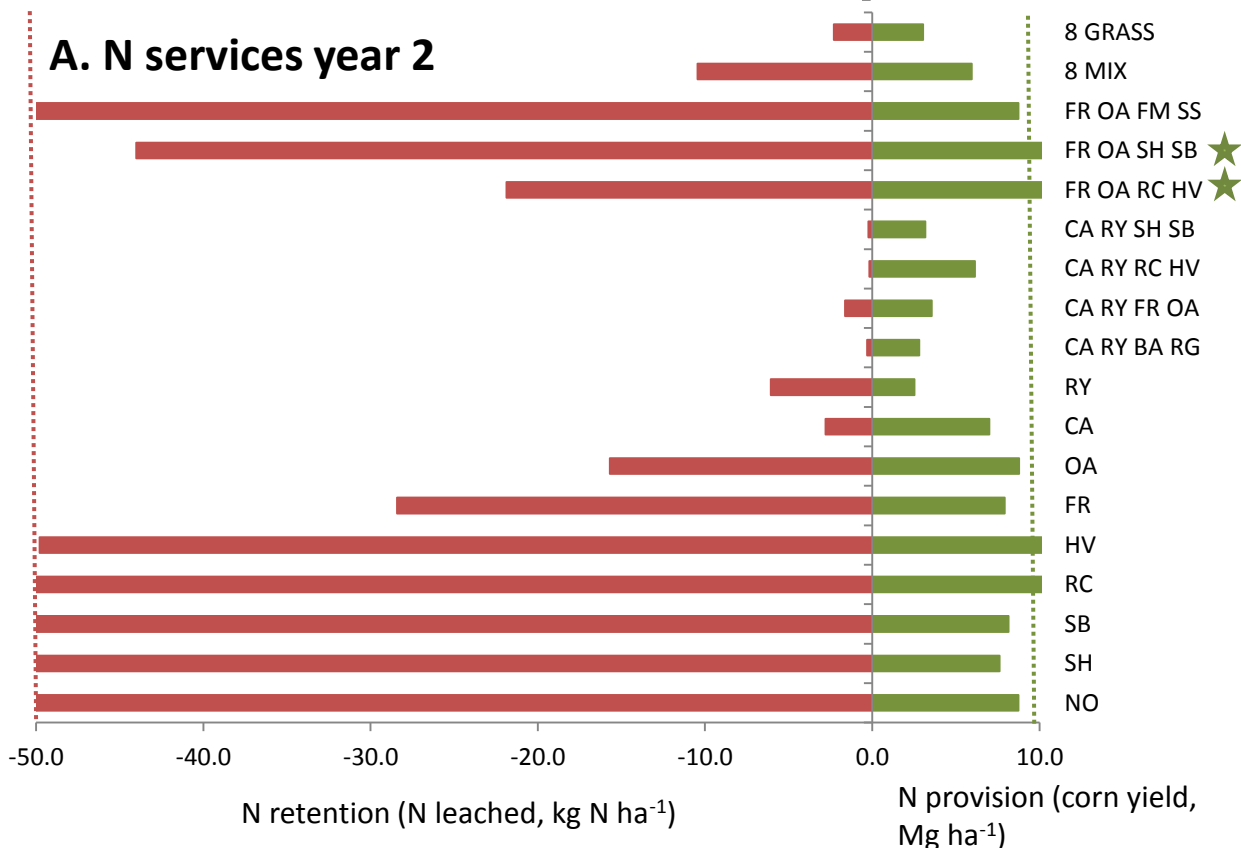


Figure 7. Nitrogen services of N retention (indicated by the quantity of N leached, red bars) and N provision (indicated by yield, green bars) provided by cover crops. Dashed lines indicate threshold values for desired service provision. The leaching threshold is less than 50% of N lost compared to the control within in a given year. The yield threshold is the average yield in Pennsylvania for the given year. Treatments marked with a star are those that achieved both adequate N retention and N provision in a single year.