Supplementary data

Short-term agronomic and economic responses to the adoption of cover crops in corn rotation in the Brazilian dryland

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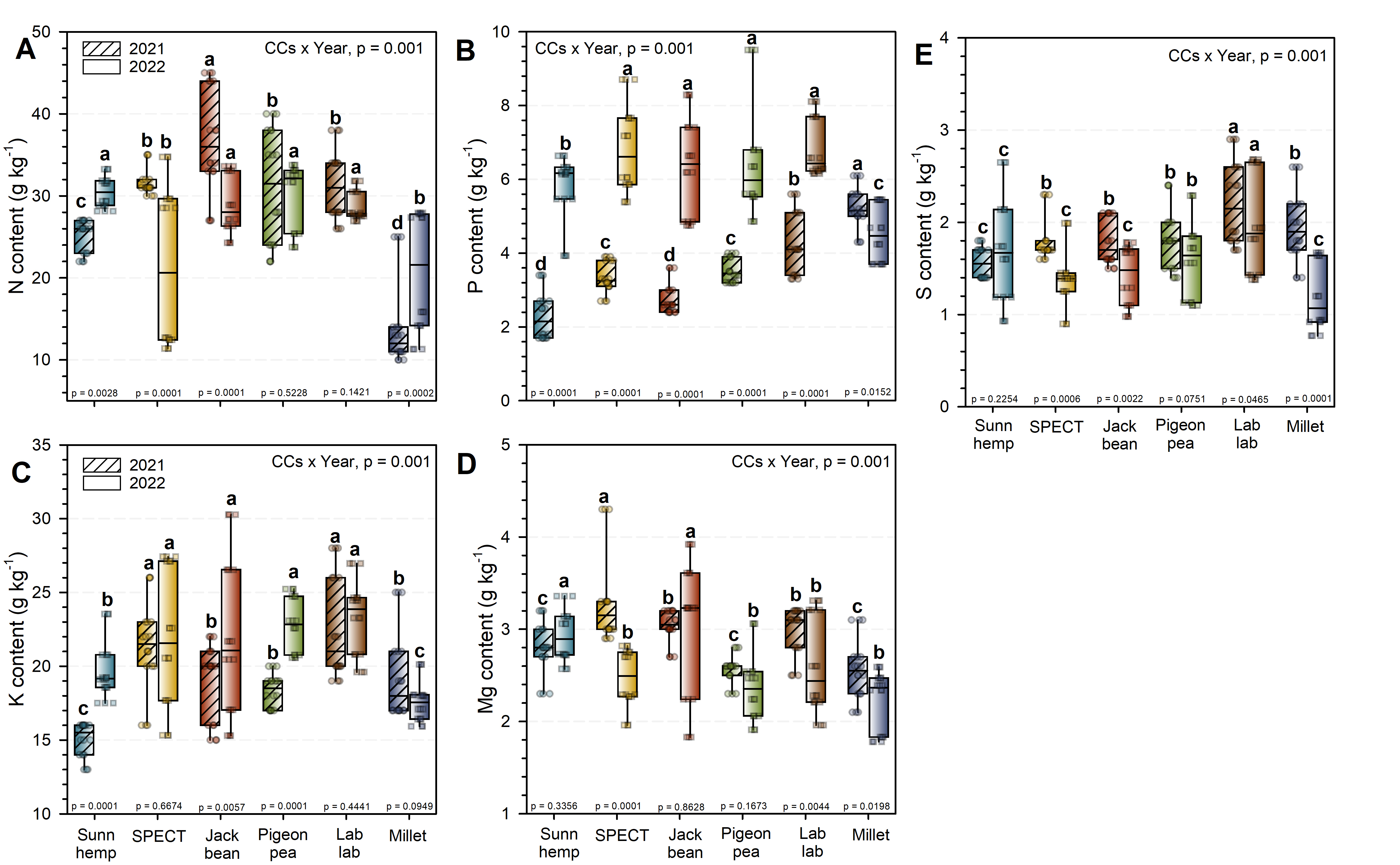
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**M&M - Change in yield**

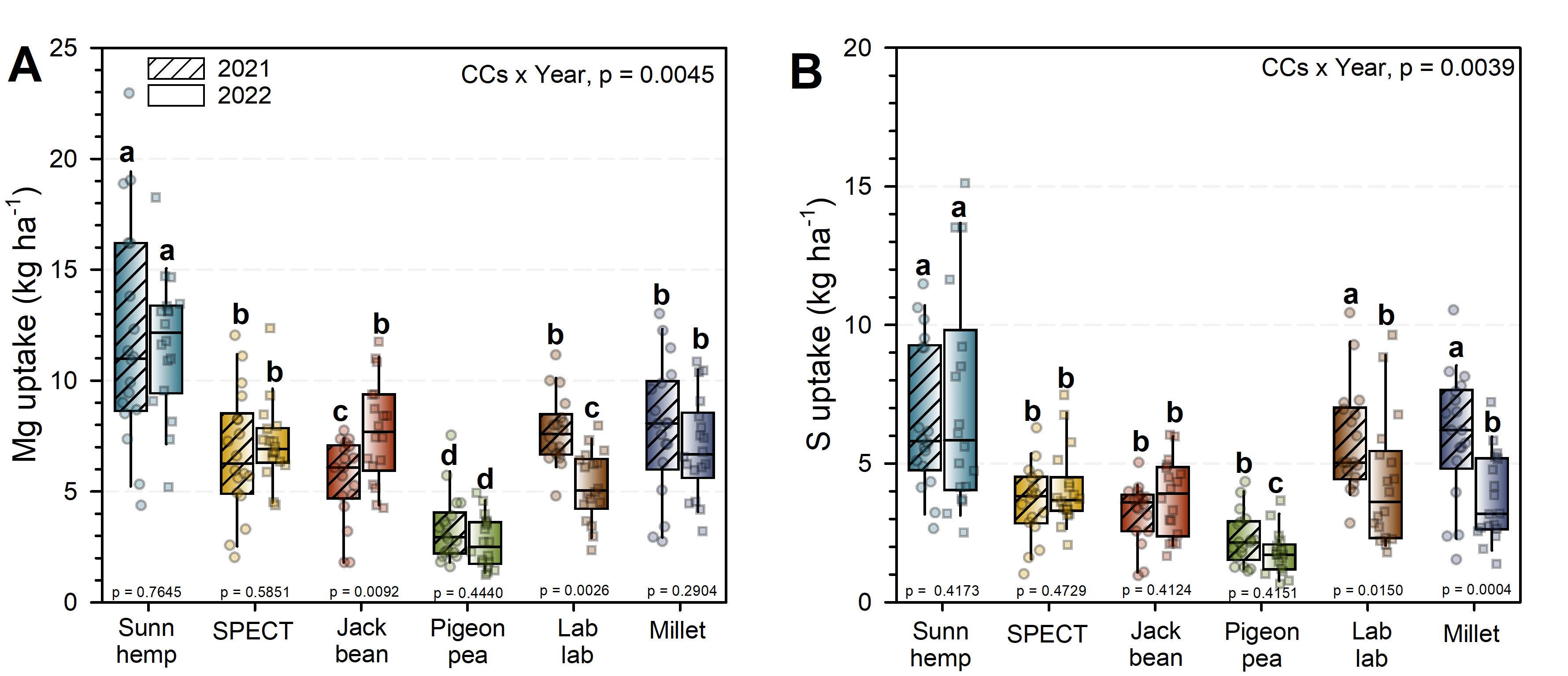
The changes in yield promoted by the CCs were estimated by the effect sizes [1]. The sizes of natural log-transformed effects (LRRi) were calculated with equation 1.

Where Yield CCs and Yield fallow represent the yields with the cover plant and fallow, respectively. For ease of interpretation, the mean logarithmic response ratio and confidence limits were transformed to percentage with equation 2.

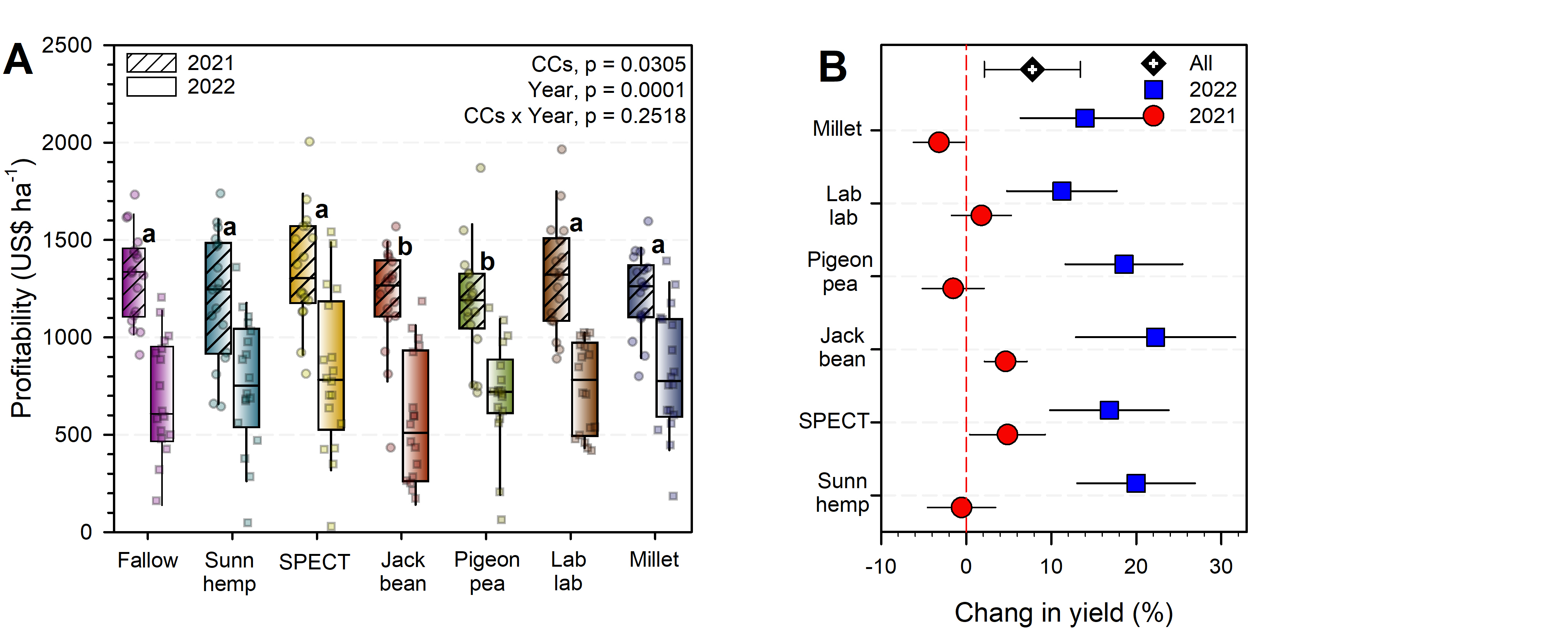
Figures



**Figure S1.** Leaf of N (A), P (B), K (C), Mg (D) and S content (E) of cover crops in two crops on sandy soil in a semiarid region, Brazil. SPECT: Spectabilis; CCs: cover crops. Means fallowed by the same letters between CCs were not differ by Scott-Knott test (p ≤ 0.05). P-value close to the X axis indicates response between years. ns: not significant by F-test (p > 0.05).



**Figure S2.** The Mg (A) and S uptake (B) by cover crops in two harvests on sandy soil in a semiarid region, Brazil. SPECT: Spectabilis; CCs: cover crops. Means fallowed by the same letters between CCs were not differ by Scott-Knott test (p ≤ 0.05). P-value close to the X axis indicates response between years. ns: not significant by F-test (p > 0.05).



**Figure S3.** Profitability (A) and change in yield of corn (B) grown under cover crops in two crops on sandy soil in a semiarid region, Brazil. SPECT: Spectabilis; CCs: cover crops. Means fallowed by the same letters between CCs were not differ by Scott-Knott test (p ≤ 0.05). P-value close to the X axis indicates response between years. ns: not significant by F-test (p > 0.05).