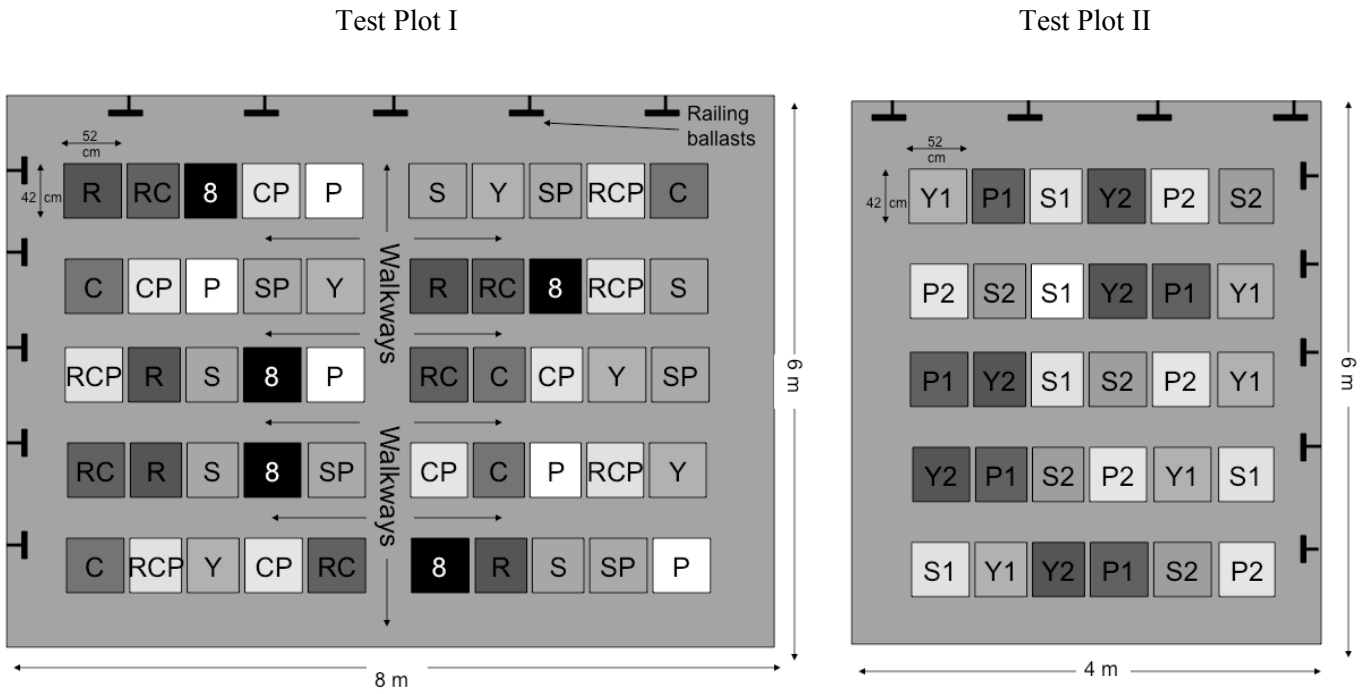


Figure 1. Bourne roof test plots I & II, 80 (52cm x 42cm) trays arranged in a randomized block design.

Where: C = Clay Pellets, 8 = Carbon8 Pellets, S = Superlite, R = Red Brick, Y = Yellow brick & P = Paper Ash Pellets

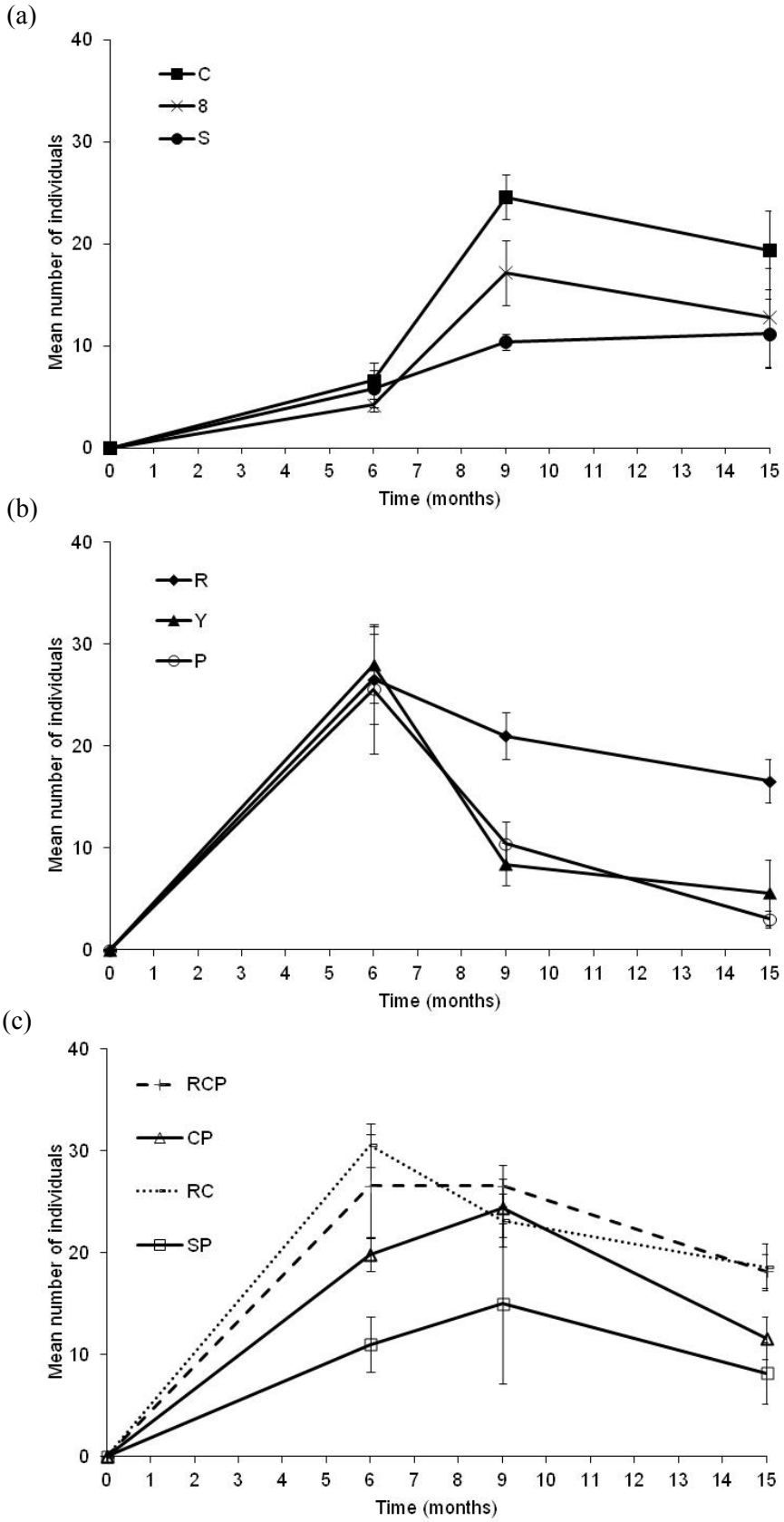
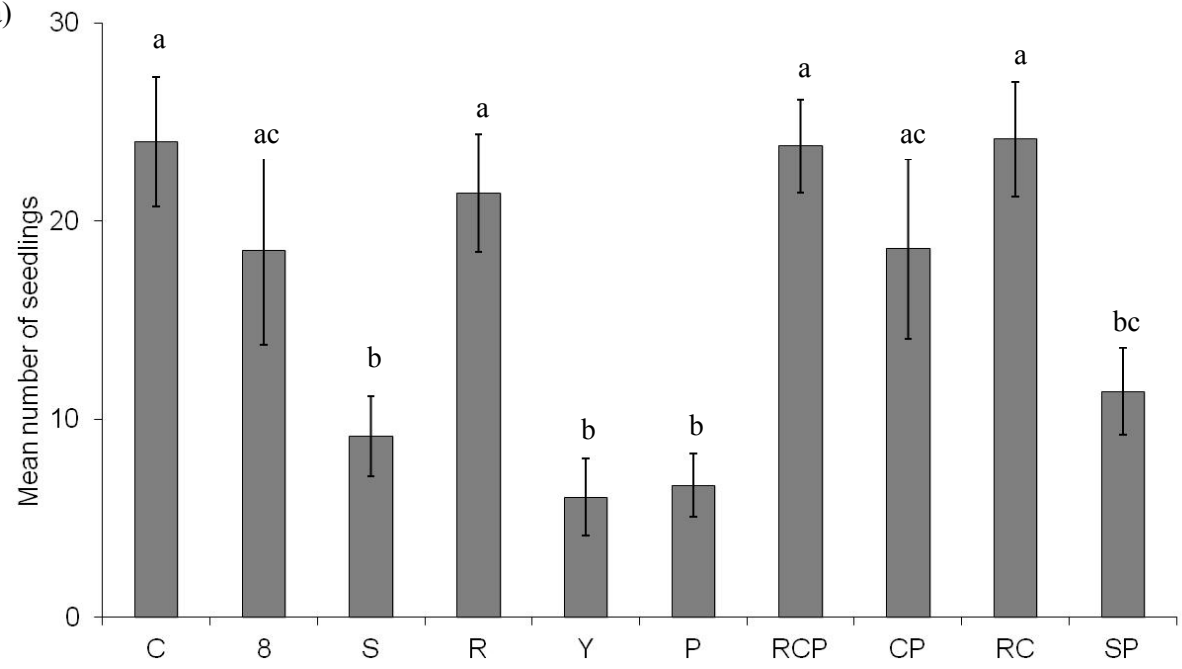


Figure 2. Average plant/seedling numbers in each of the 10 treatments in test plot I (described in Table 1*), recorded from three surveys conducted: 6, 9 and 15 months after tray seeding, where (a) numbers increased for 3 single blends, (b) numbers decreased for 3 single blends and (c) for the 4

substrate mixes. Bars represent means ± one standard error. *C = Clay Pellets, 8 = Carbon8 Pellets, S = Superlite, R = Red Brick, Y = Yellow brick & P = Paper Ash Pellets

(a)



(b)

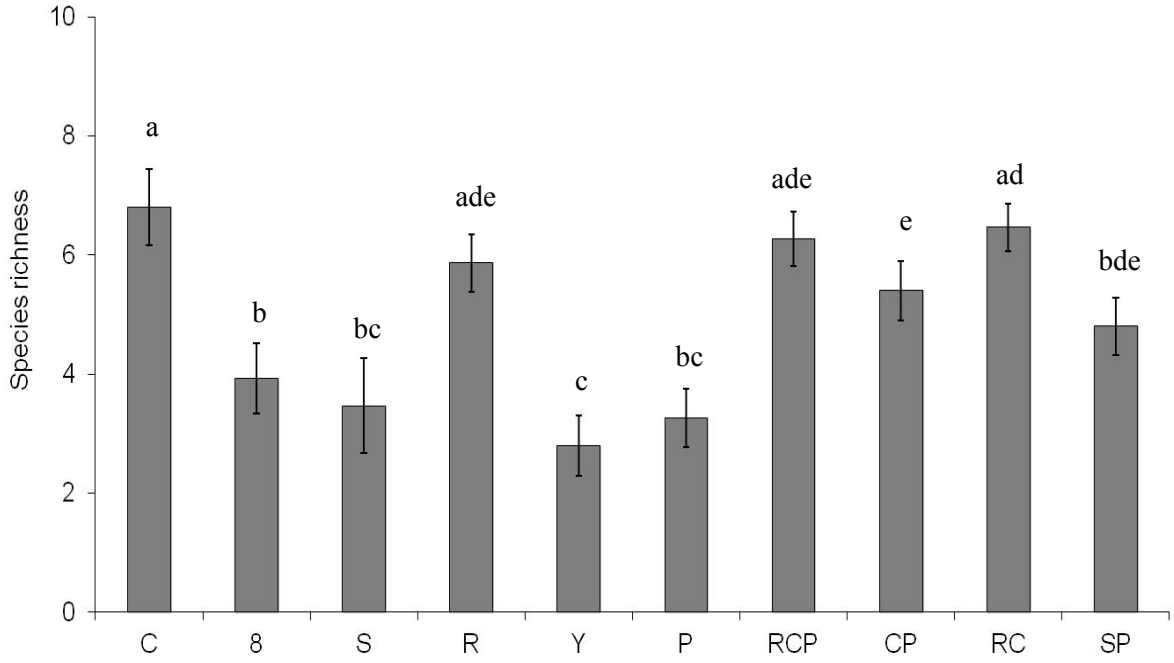


Figure 3. Average (a) plant numbers and (b) species richness in each of the 10 treatments in test plot I (described in Table 1*), at the end of the study (August 2009). Means analysed with ANOVA and differences separated with Tukey HSD. Values not sharing the same letter indicate a significant difference ($P < 0.05$). Bars represent means ± one standard error. *C = Clay Pellets, 8 = Carbon8 Pellets, S = Superlite, R = Red Brick, Y = Yellow brick & P = Paper Ash Pellets

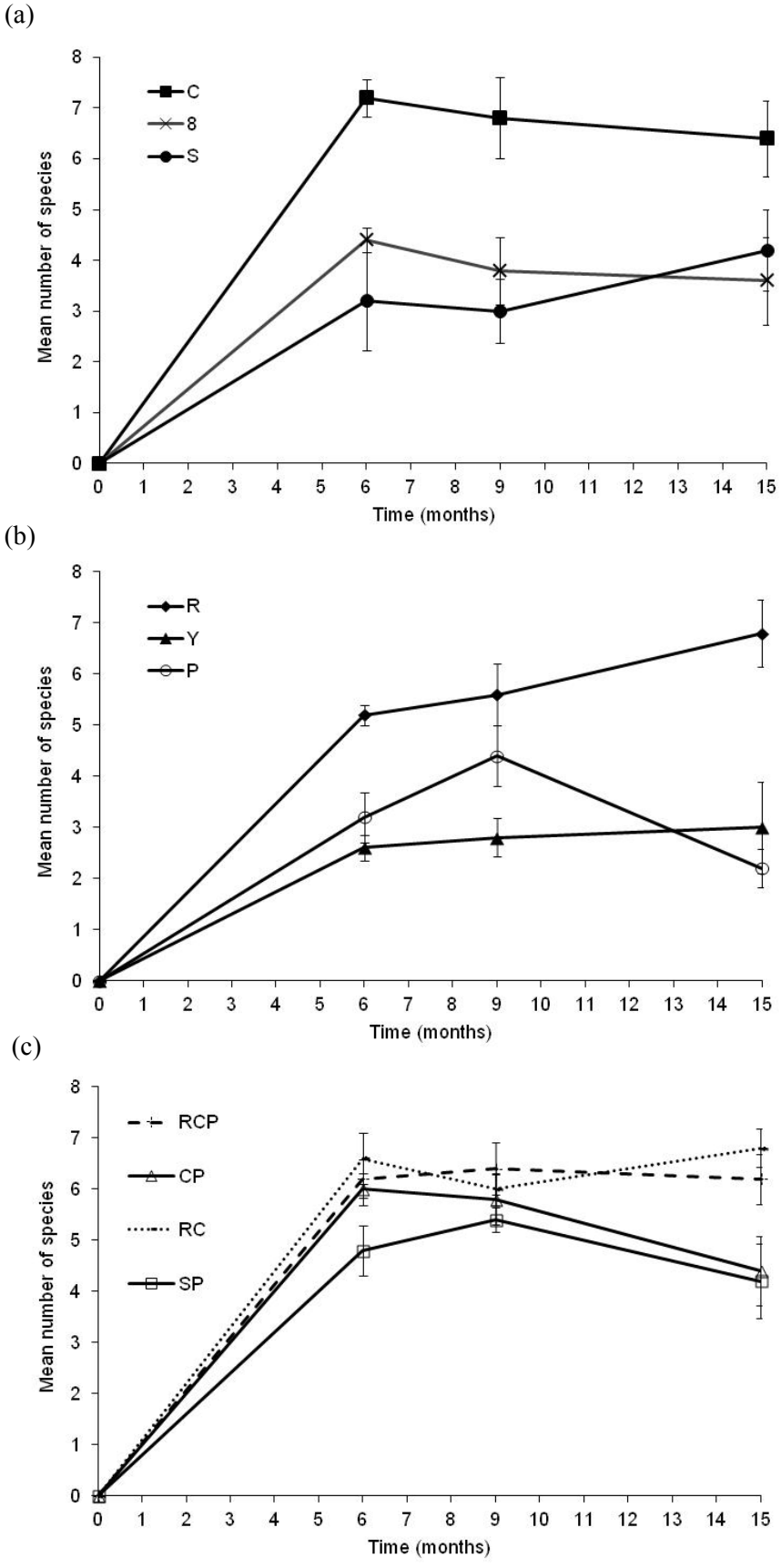


Figure 4. Plant species richness in each of the 10 treatments in test plot I (described in Table 1*), recorded from three surveys conducted: 6, 9 and 15 months after tray seeding, where (a) numbers decreased for 3 single blends, (b) numbers increased for 3 single blends and (c) for the 4 substrate

mixes. Bars represent means ± one standard error. *C = Clay Pellets, 8 = Carbon8 Pellets, S = Superlite, R = Red Brick, Y = Yellow brick & P = Paper Ash Pellets

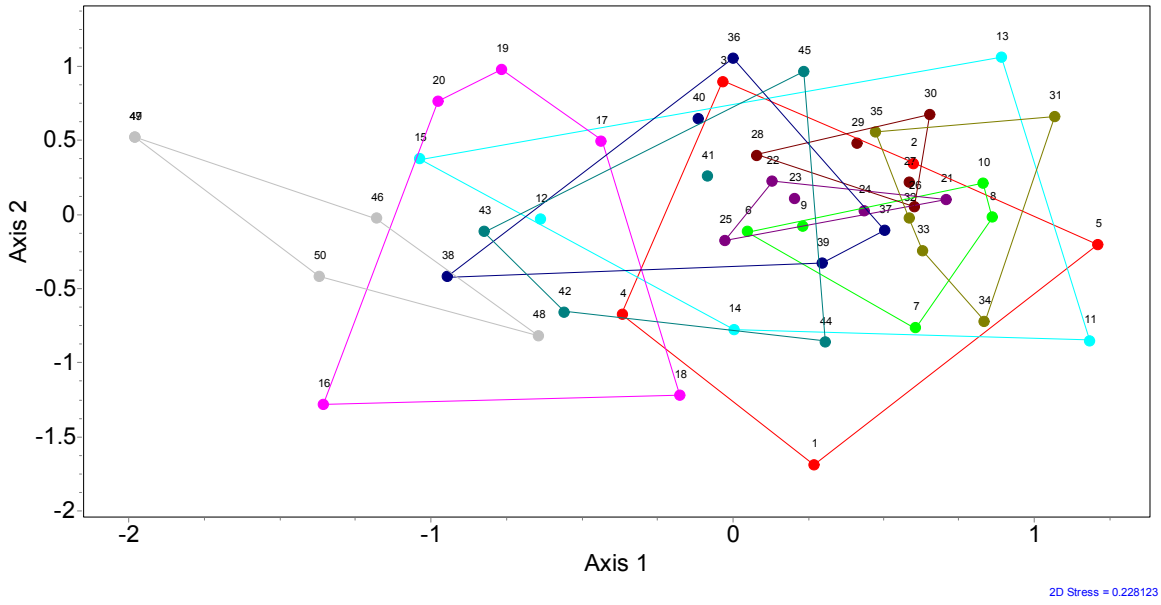


Figure 5. Results of non-metric multidimensional scaling analysis of communities in the different substrates. Key to points: 1-5: Carbon8 pellets; 6-10: clay; 11-15: clay + paper ash; 16-20: paper ash; 21-25: red brick; 26-30: red brick + clay; 31-35: red brick + clay + paper ash; 36-40: Superlite; 41-45: Superlite + paper ash; 46-50: yellow brick.

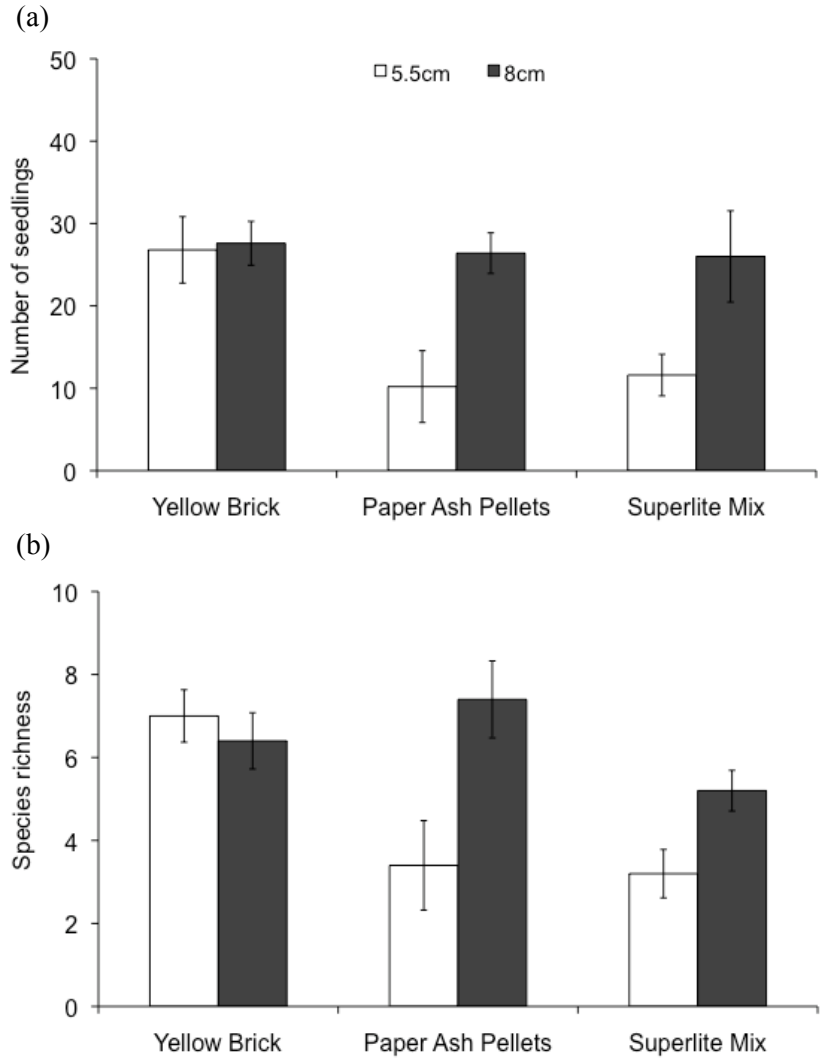


Figure 6. (a) Plant/seedling numbers and (b) species richness, in each of the six treatments in test plot II; including 3 substrates at 2 depths. Bars represent means ± one standard error.