

Fig 1: Effect of media type on *BTU* colony diameter under different temperature and water activity ( $A_w$ ) conditions. Bars represent mean colony diameter, and error bars indicate standard deviation. Different letters above bars denote statistically significant differences among media types within each temperature  $\times$   $A_w$  combination, as determined by pairwise ANOVA ( $p < 0.05$ ).

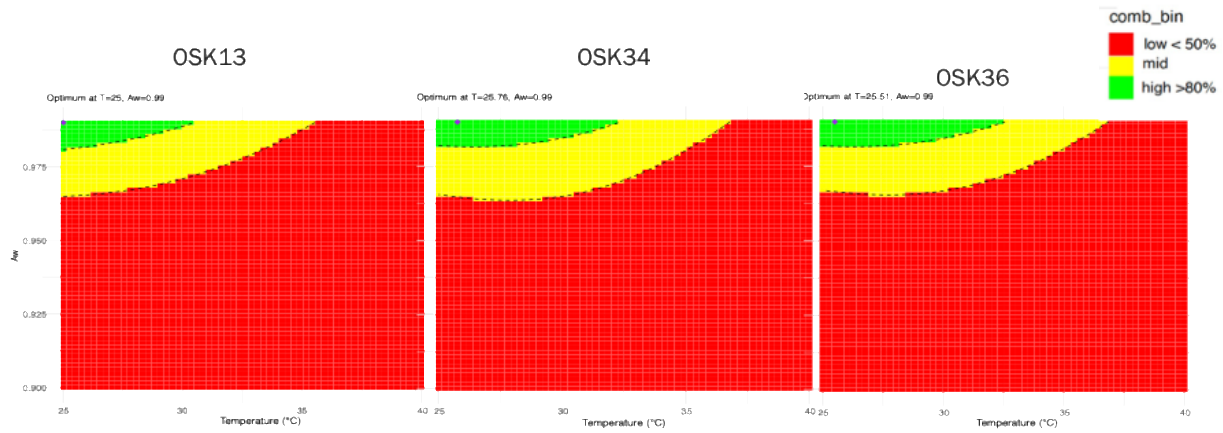


Fig 2: Response surface contour plot of normalized growth + sporulation for Three *Trichoderma* spp.. Green = high growth, yellow = moderate, red = low. Dashed lines show 50% and 80% thresholds; purple diamond = predicted optimum conditions."

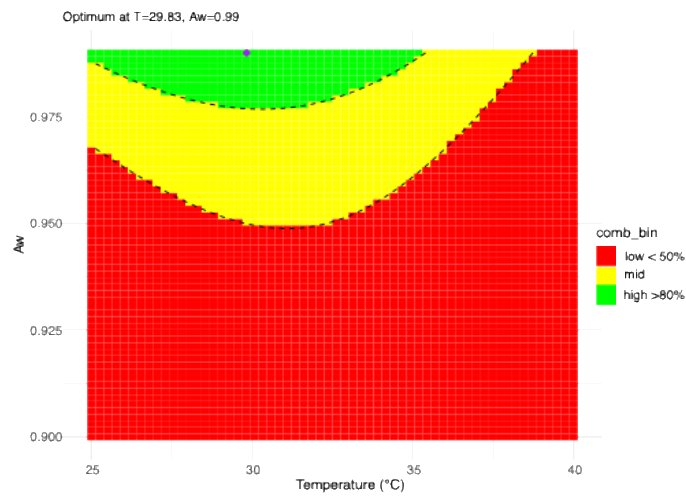


Fig 3: Response surface contour plot of normalized growth + sporulation for Three *Trichoderma* spp.. Green = high growth, yellow = moderate, red = low. Dashed lines show 50% and 80% thresholds; purple diamond = predicted optimum conditions."