

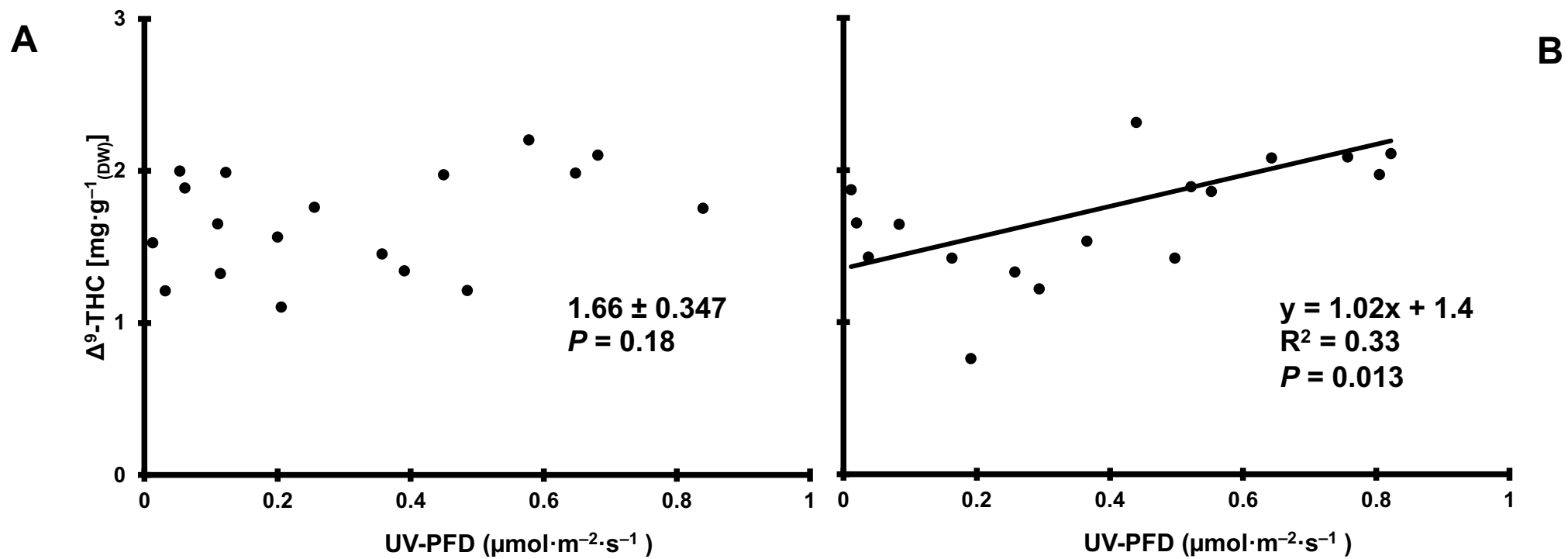


Figure S1. The response of Δ^9 -tetrahydrocannabinol (Δ^9 -THC) in 'Low Tide' (**A**) and 'Breaking Wave' (**B**) to UV-PFD.

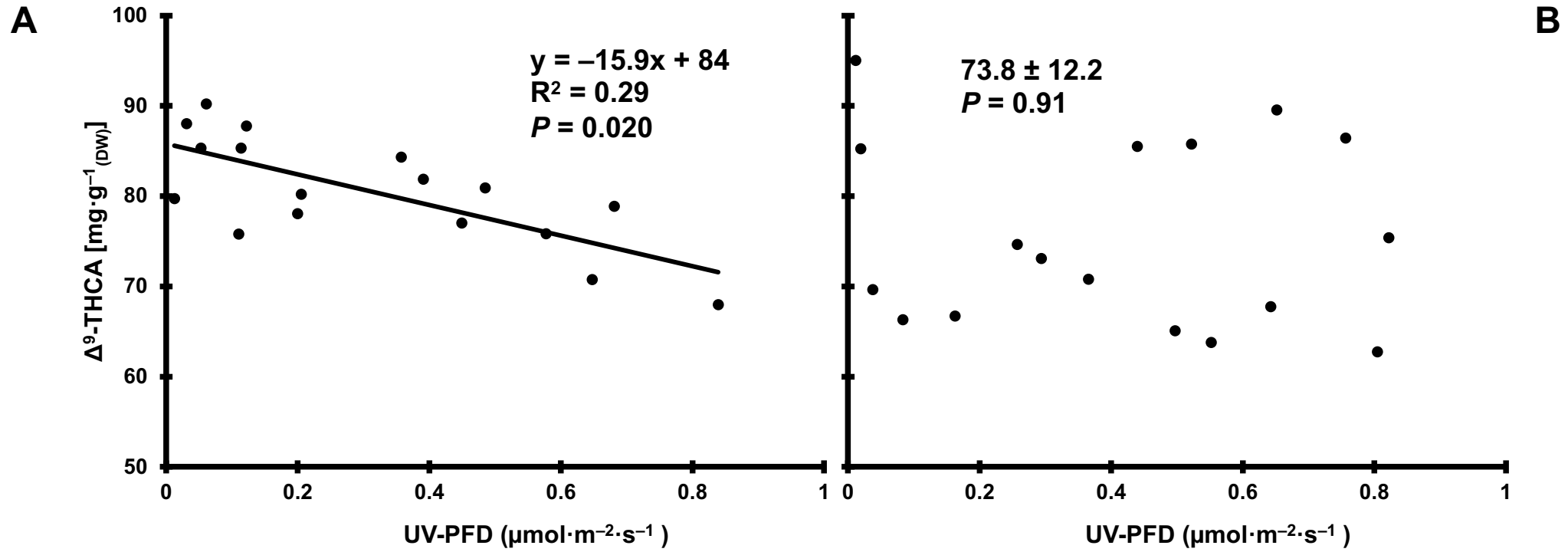


Figure S2. The response of Δ^9 -tetrahydrocannabinolic acid (Δ^9 -THCA) in 'Low Tide' (**A**) and 'Breaking Wave' (**B**) to UV-PFD.

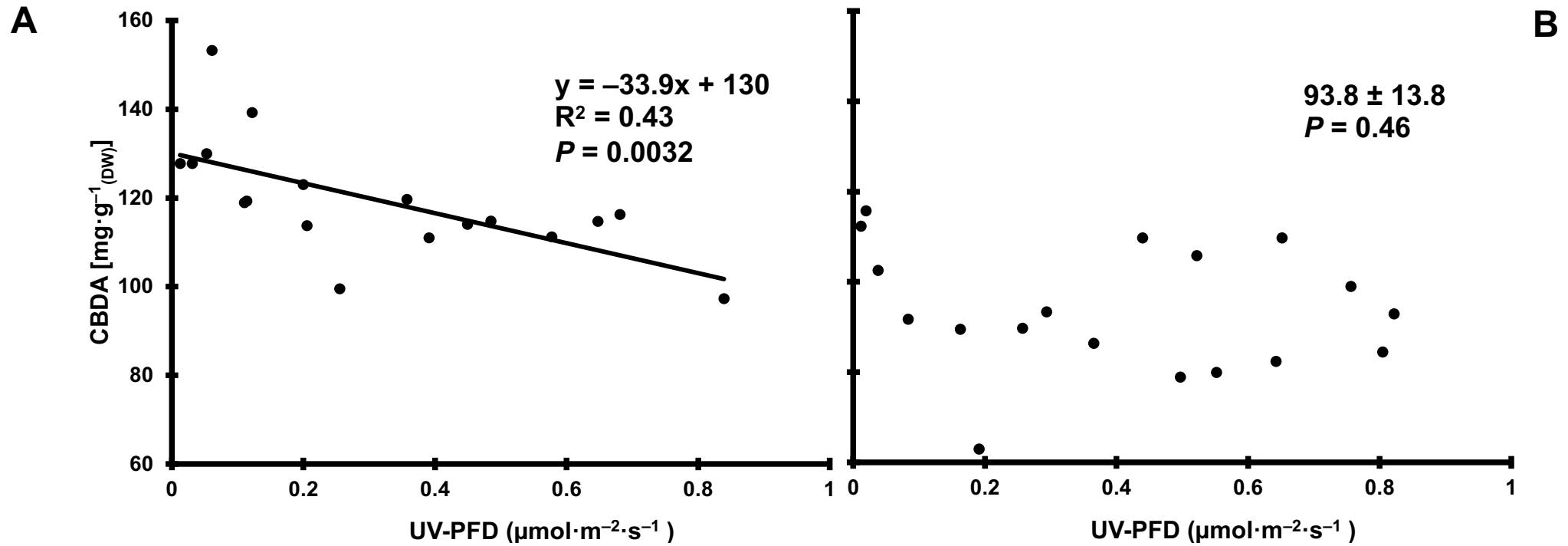


Figure S3. The response of cannabidiolic acid (CBDA) in ‘Low Tide’ **(A)** and ‘Breaking Wave’ **(B)** to UV-PFD.

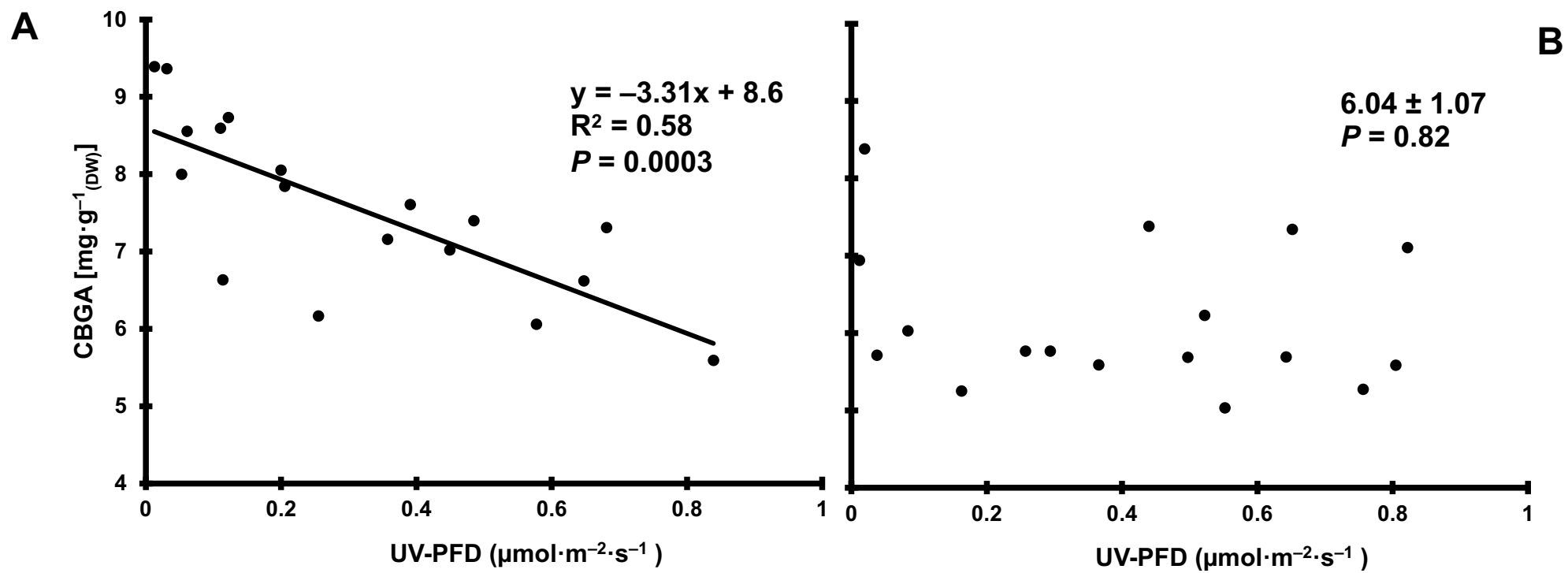


Figure S4. The response of cannabigerolic acid (CBGA) in 'Low Tide' (**A**) and 'Breaking Wave' (**B**) to UV-PFD.

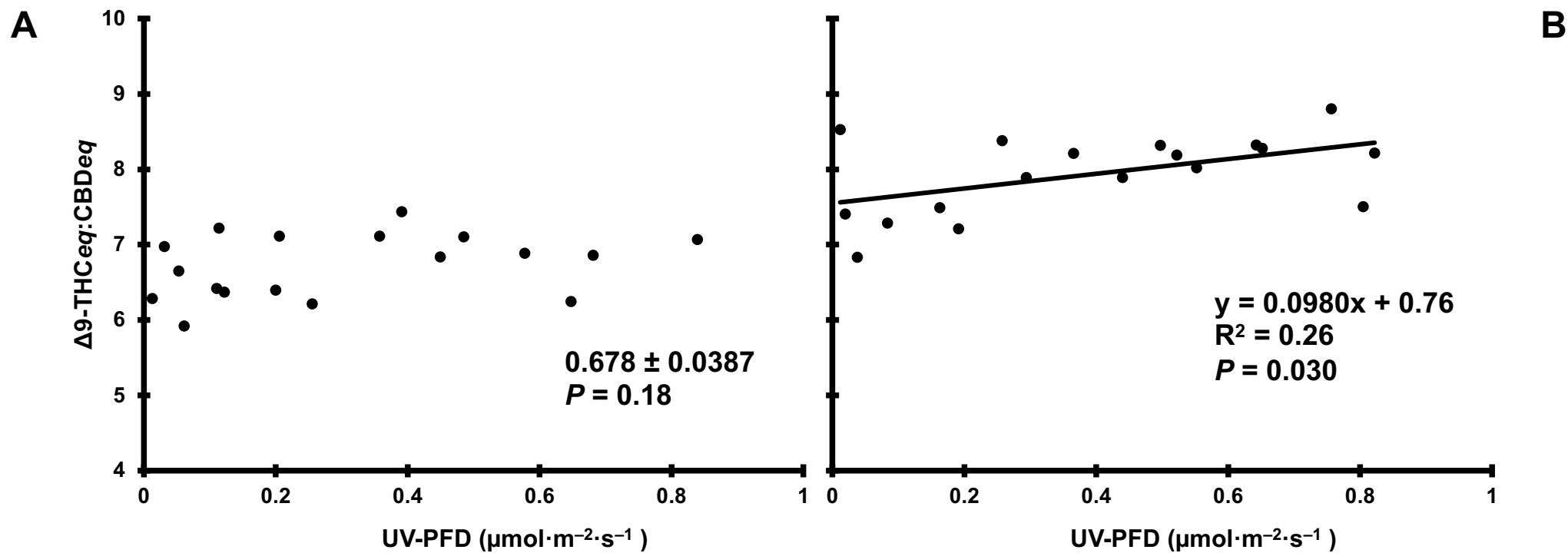


Figure S5. The response of the ratio of total equivalent Δ^9 -tetrahydrocannabinol to total equivalent cannabidiol ($\Delta^9\text{-THCeq:CBDeq}$) in 'Low Tide' (**A**) and 'Breaking Wave' (**B**) to UV-PFD.

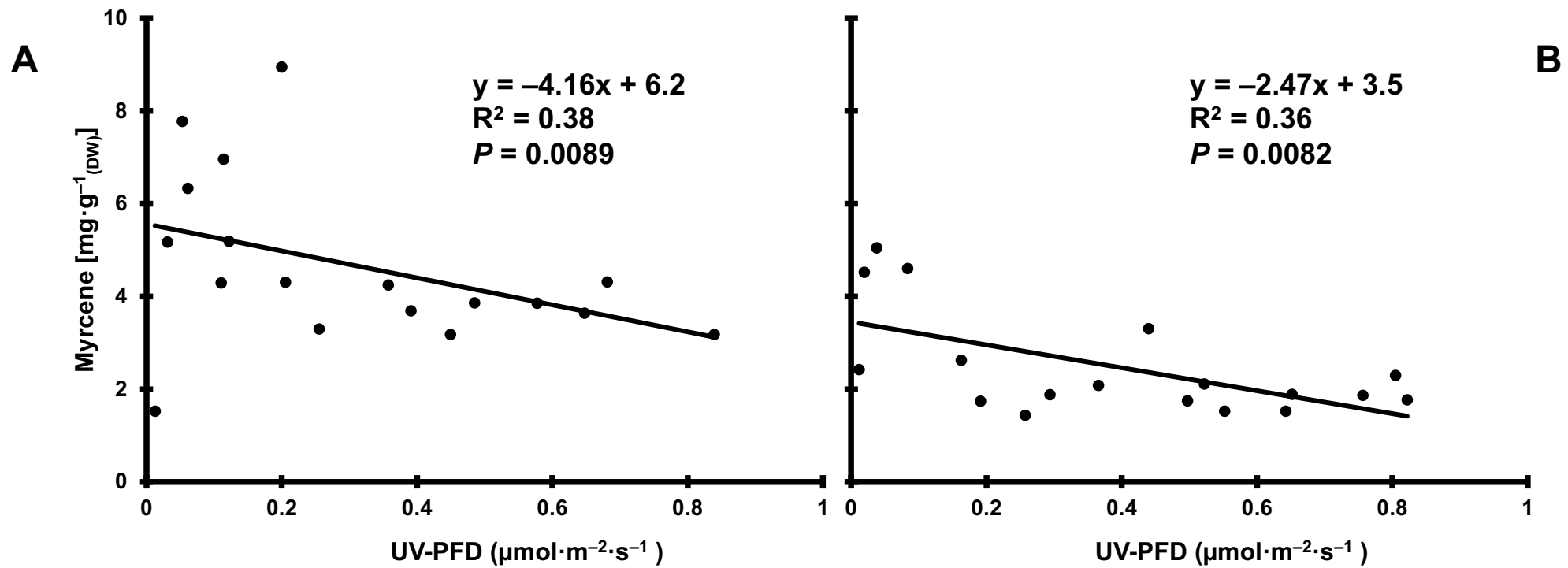


Figure S6. The response of myrcene in 'Low Tide' (**A**) and 'Breaking Wave' (**B**) to UV-PFD.

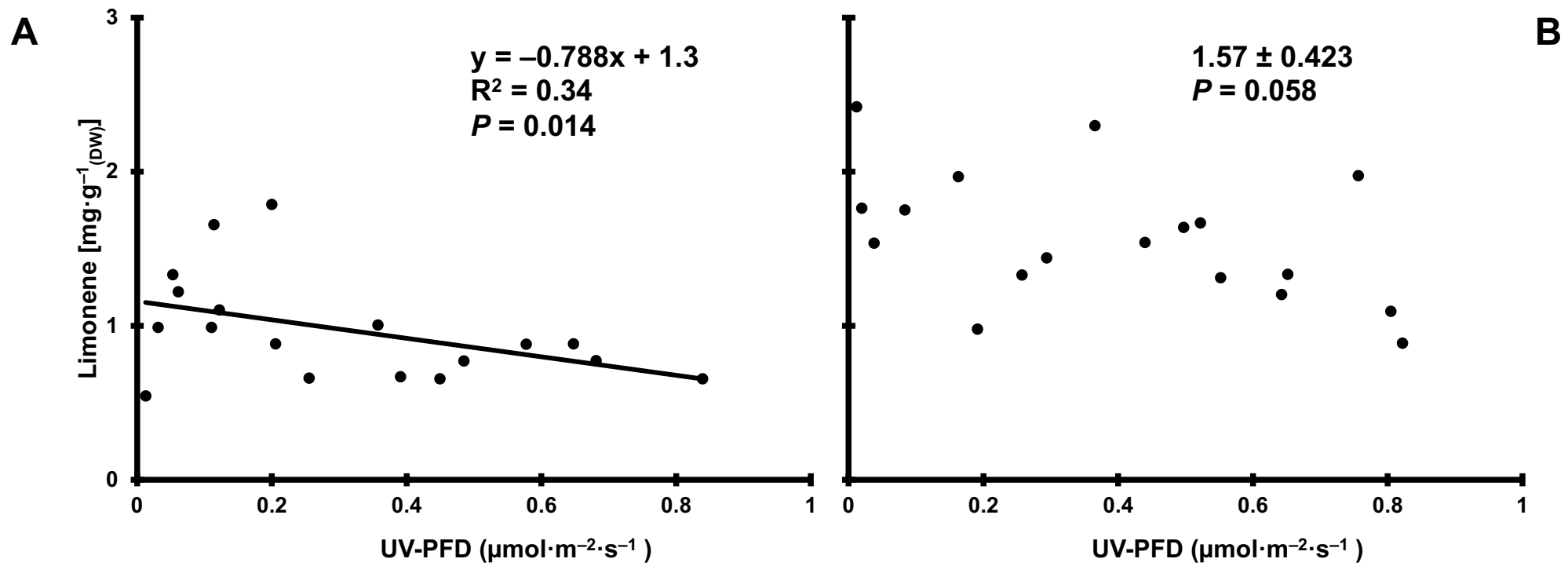


Figure S7. The response of limonene in ‘Low Tide’ (**A**) and ‘Breaking Wave’ (**B**) to UV-PFD.

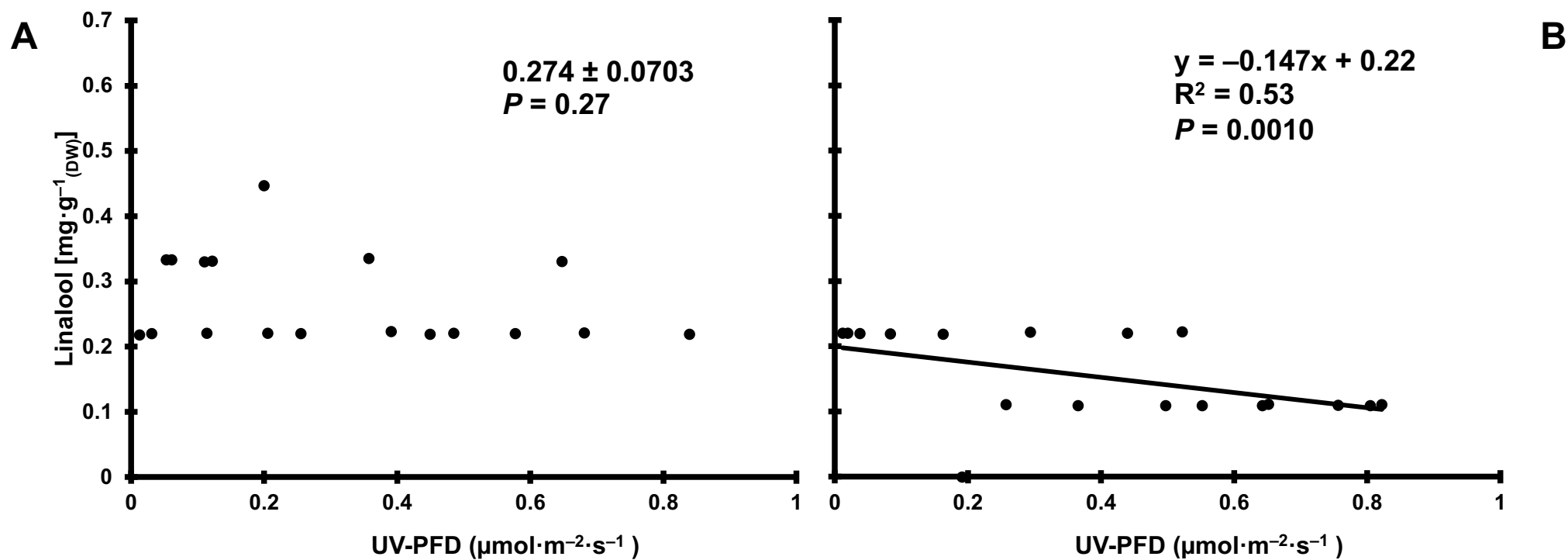


Figure S8. The response of linalool in ‘Low Tide’ **(A)** and ‘Breaking Wave’ **(B)** to UV-PFD.

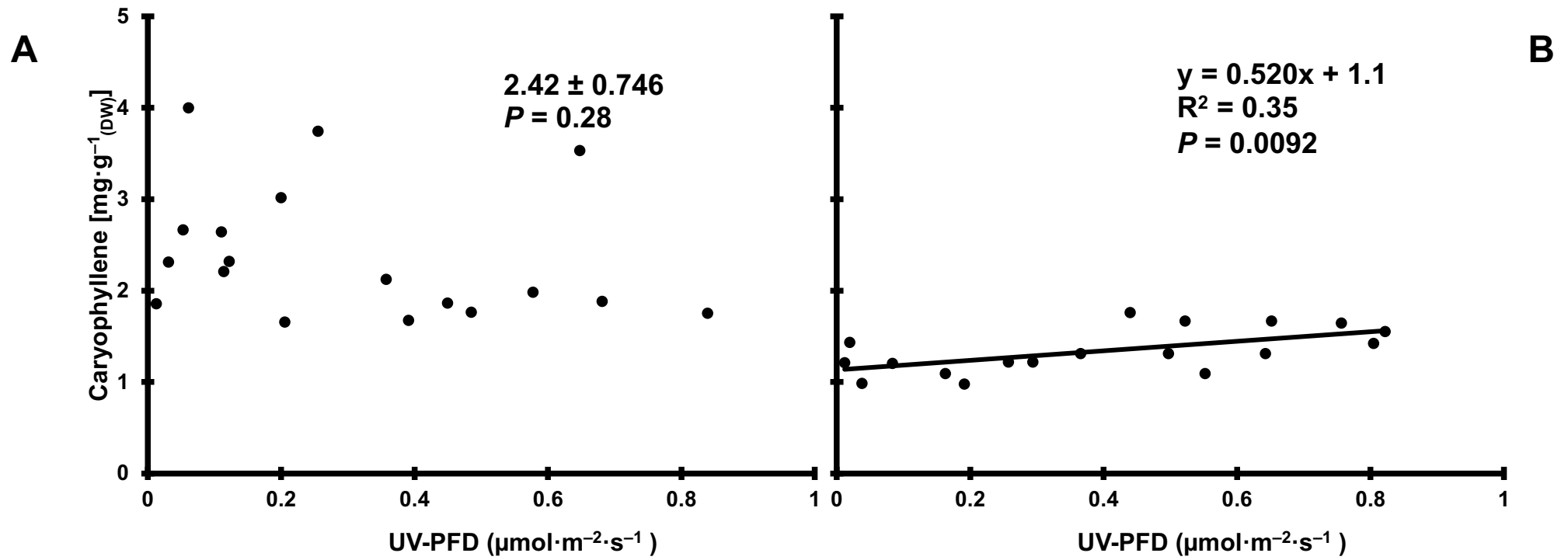


Figure S9. The response of caryophyllene in ‘Low Tide’ **(A)** and ‘Breaking Wave’ **(B)** to UV-PFD.

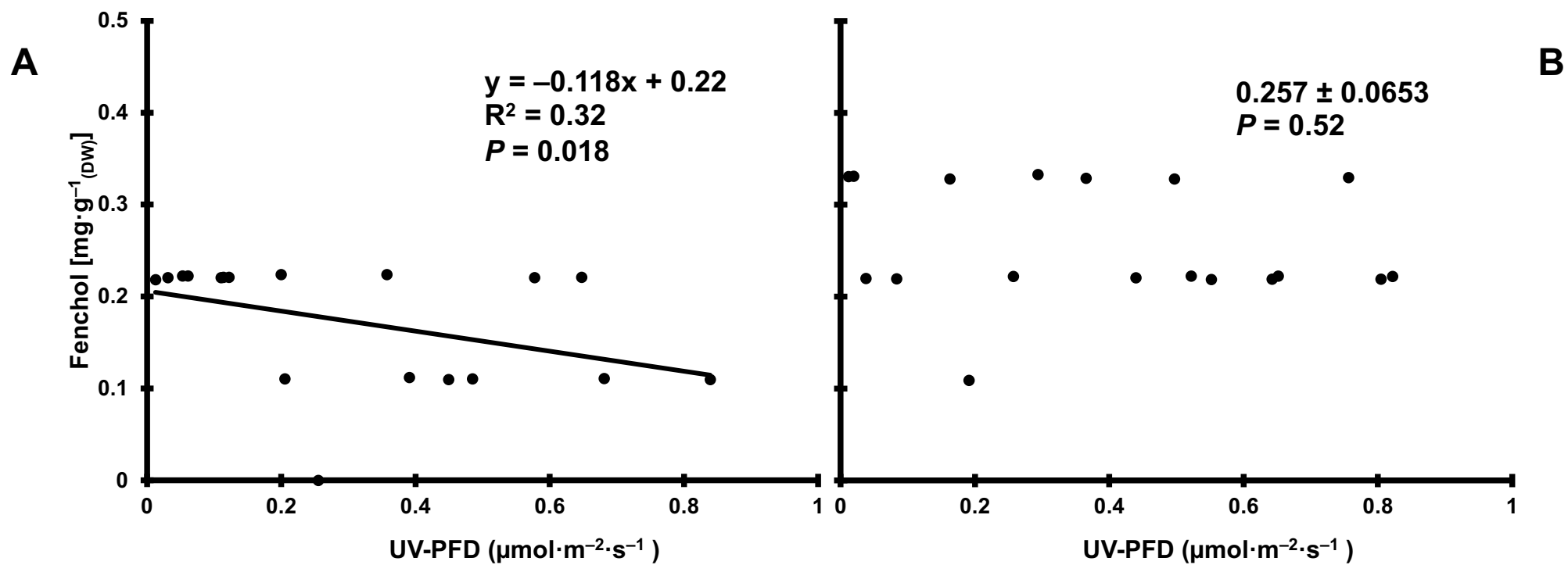


Figure S10. The response of fenchol in 'Low Tide' **(A)** and 'Breaking Wave' **(B)** to UV-PFD.

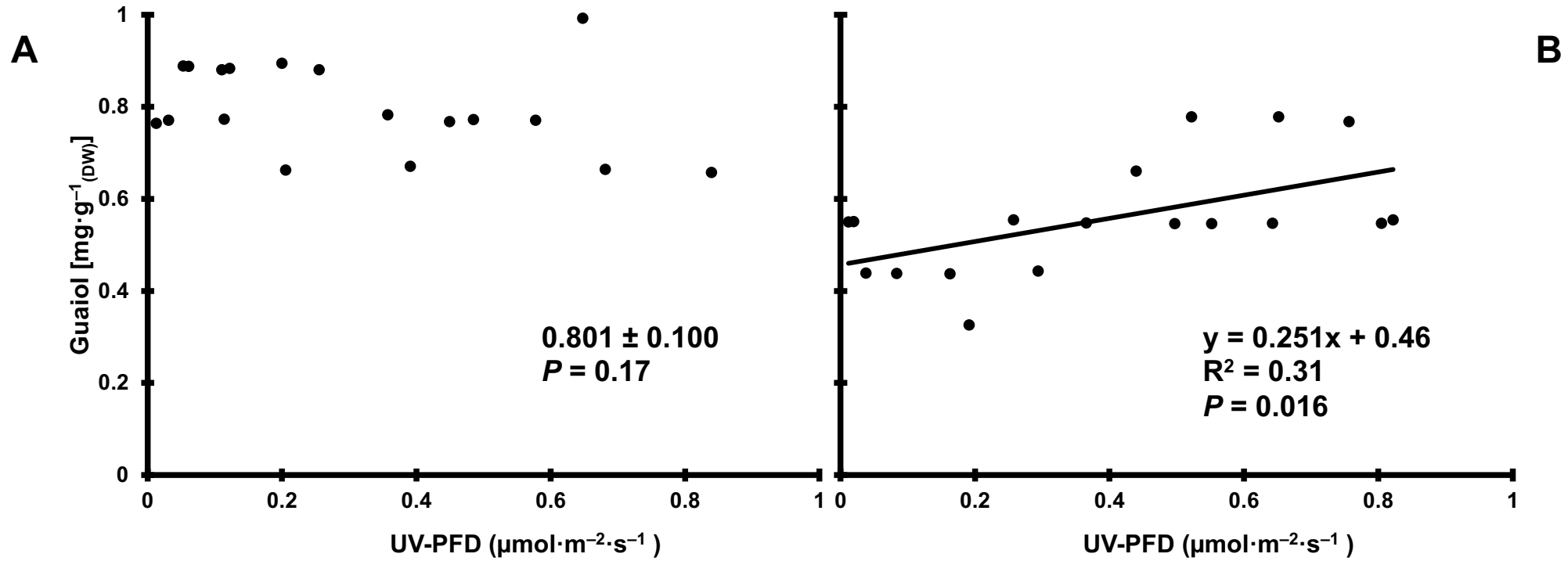


Figure S11. The response of guaicol in ‘Low Tide’ **(A)** and ‘Breaking Wave’ **(B)** to UV-PFD.

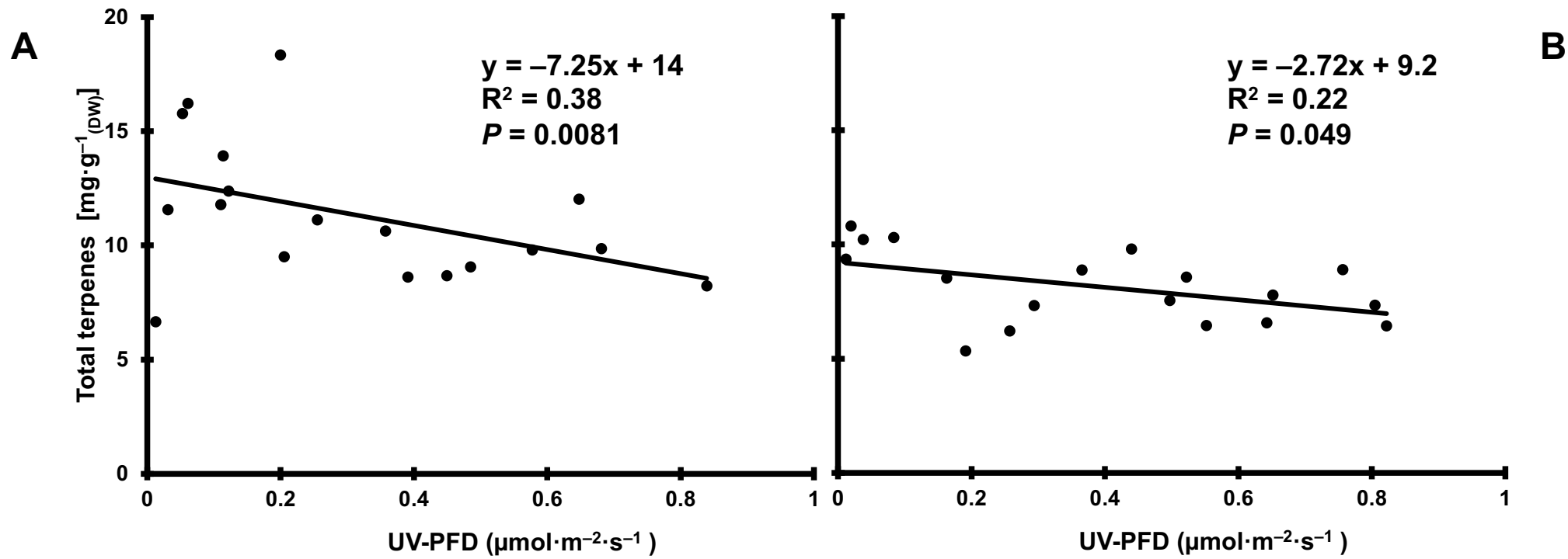


Figure S12. The response of total terpenes in 'Low Tide' (**A**) and 'Breaking Wave' (**B**) to UV-PFD.