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Concentration of phenolic compounds is increased in lettuce grown under high light intensity and elevated CO₂

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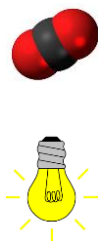
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Ambient CO₂
(400 $\mu\text{mol}\cdot\text{mol}^{-1}$)
+
Light intensity
(400 PAR)



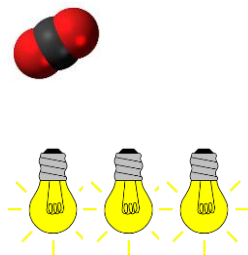
Blonde of Paris Batavia (Acyanic-green)



Oak leaf (Anthocyanic-red)

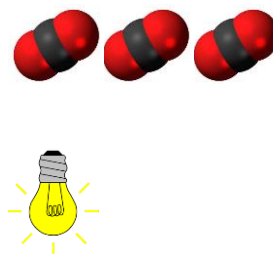


Ambient CO₂
(400 $\mu\text{mol}\cdot\text{mol}^{-1}$)
+
High light intensity
(700 PAR)



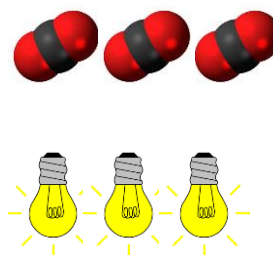
Oxidative stress

Elevated CO₂
(700 $\mu\text{mol}\cdot\text{mol}^{-1}$)
+
Light intensity
(400 PAR)

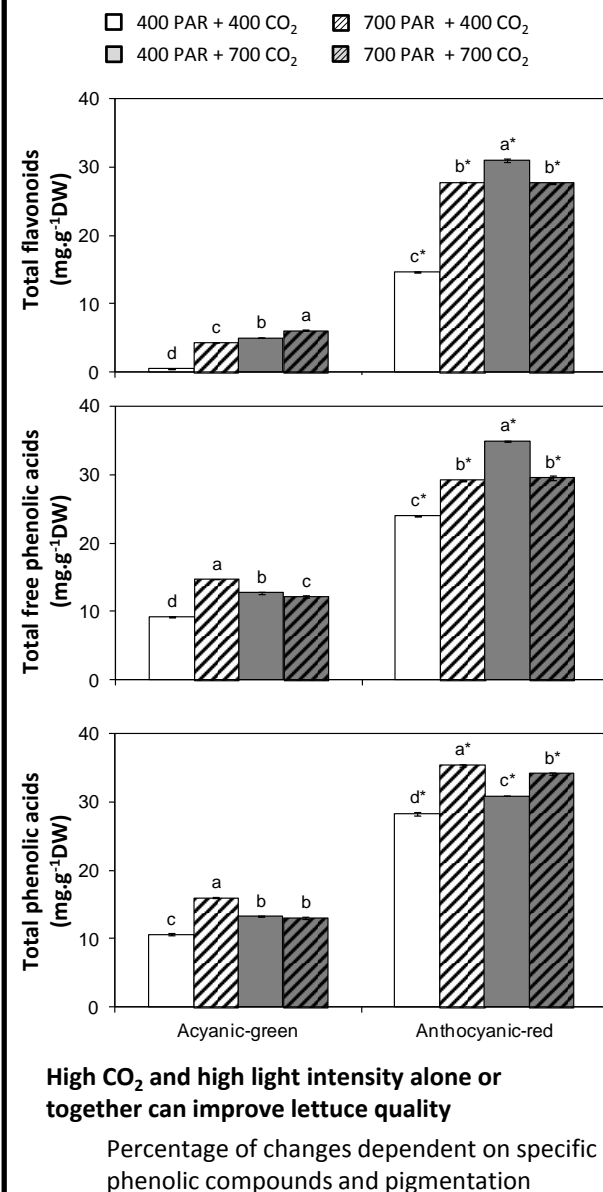


Extra carbohydrates

Elevated CO₂
(700 $\mu\text{mol}\cdot\text{mol}^{-1}$)
+
High light intensity
(700 PAR)



Lower oxidative stress



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