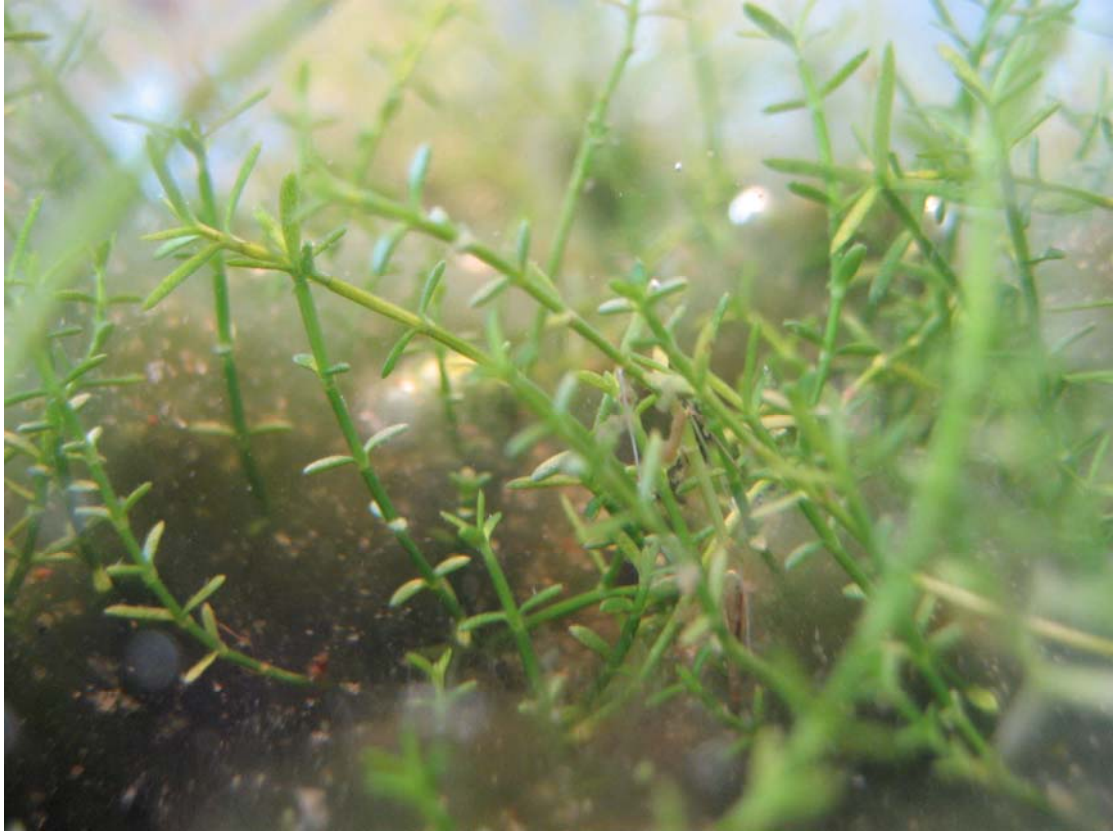


## Accessory Publication

**Table S1. ANOVA table showing the statistical results for CAM activity, acidity build-up in the night and for photosynthesis measured at different light levels**

For CAM activity, ‘light’ and ‘CO<sub>2</sub>’ refer to the conditions under growth (see Table 1 for details), while ‘CAM type’ refers to ambient CAM or potential CAM. With respect to acidity build-up, the short-term effect of variable light intensities during the day (‘light during day’) and different CO<sub>2</sub> concentrations in the night (‘CO<sub>2</sub> at night’) was tested. Since photosynthesis was measured at irradiances equal to those prevailing under growth, the results for photosynthesis were divided into high and low light. For photosynthesis, ‘time’ refers to the time at which the measurement was carried out and ‘CO<sub>2</sub> measure’ refers to the CO<sub>2</sub> concentration at which photosynthesis was measured. ‘CO<sub>2</sub>’ refers to the CO<sub>2</sub> concentration during the growth experiment. Statistical significance is designated: <sup>NS</sup>, not significant; \*P<0.05; \*\*P<0.01 and \*\*\*P<0.001

	Parameter	d.f.	F-ratio	P-values	
<b>CAM activity</b>	Light	1	241.0	0.0000***	
	CO <sub>2</sub>	1	33.4	0.0000***	
	CAM type	1	58.0	0.0000***	
	<i>Interactions</i>				
	Light × CO <sub>2</sub>	1	29.3	0.0000***	
	Light × CAM type	1	5.5	0.0249*	
	CO <sub>2</sub> × CAM type	1	6.3	0.0171*	
	Light × CO <sub>2</sub> × CAM type		0.8	0.3728 <sup>NS</sup>	
<b>Acidity build-up</b>	Light during day	2	4.5	0.0267*	
	CO <sub>2</sub> at night	1	92.1	0.0000***	
	<i>Interactions</i>				
	Light during day × CO <sub>2</sub> at night	2	4.9	0.0194*	
<b>Photosynthesis – high light</b>	Time	7	2.1	0.0449*	
	CO <sub>2</sub> measure	3	773.8	0.0000***	
	CO <sub>2</sub>	1	93.6	0.0000***	
	<i>Interactions</i>				
	Time × CO <sub>2</sub> measure	21	1.1	0.3118 <sup>NS</sup>	
	Time × CO <sub>2</sub>	7	1.8	0.0909 <sup>NS</sup>	
	CO <sub>2</sub> measure × CO <sub>2</sub>	3	1.9	0.1954 <sup>NS</sup>	
	Time × CO <sub>2</sub> measure × CO <sub>2</sub>	21	0.8	0.7762 <sup>NS</sup>	
<b>Photosynthesis – low light</b>	Time	7	8.9	0.0000***	
	CO <sub>2</sub> measure	3	354.0	0.0000***	
	CO <sub>2</sub>	1	19.6	0.0000***	
	<i>Interactions</i>				
	Time × CO <sub>2</sub> measure	21	1.4	0.1140 <sup>NS</sup>	
	Time × CO <sub>2</sub>	7	3.1	0.0054**	
	CO <sub>2</sub> measure × CO <sub>2</sub>	3	4.7	0.0038**	
	Time × CO <sub>2</sub> measure × CO <sub>2</sub>	21	1.0	0.5298 <sup>NS</sup>	



**Fig. S1.** Shoots of the invasive plant, *Crassula helmsii* (New Zealand Pigmyweed).