Table S1. Detail data of plant growth, root morphology and nutrient uptake under different flow rates in this study

Flow Rate	Number	Fresh Weight (g/Plant)			Leaf Area (cm²/Plant)	Dry Weight (g/Plant)			Root Length (cm/Plant)	Root Surface Area (cm²/Plant)	N Contents (mg/g) (DW)		N Uptake (mg/Plant)
		Shoots	Roots	Whole Plant		Shoots	Roots	Whole Plant			Shoots	Roots	
0	0-1	9.199	1.700	10.899	179.717	0.582	0.110	0.692	1724.385	207.512	51.433	49.984	35.330
	0-2	9.432	1.657	11.088	187.100	0.599	0.109	0.707	1834.965	210.124	53.956	55.032	38.427
	0-3	9.613	1.332	10.944	188.007	0.609	0.098	0.708	1850.836	207.162	48.488	58.170	35.395
2	2-1	9.422	1.422	10.844	193.037	0.593	0.105	0.698	1858.583	196.405	63.475	56.197	43.070
	2-2	9.411	1.729	11.140	202.553	0.560	0.121	0.681	2229.657	229.044	70.005	54.955	45.797
	2-3	9.272	1.243	10.515	204.693	0.577	0.092	0.669	1895.256	195.703	65.950	52.931	43.015
4	4-1	9.756	1.500	11.256	206.220	0.639	0.115	0.754	2313.981	229.785	57.399	53.544	43.160
	4-2	10.556	1.544	12.100	210.033	0.671	0.113	0.784	2013.787	211.859	64.803	53.885	49.345
	4-3	10.078	1.602	11.680	195.847	0.627	0.113	0.740	2087.506	226.726	59.285	63.442	44.328
6	6-1	10.925	1.966	12.890	221.400	0.684	0.125	0.809	2322.813	240.233	64.417	58.979	51.471
	6-2	10.736	1.757	12.492	213.277	0.681	0.113	0.794	2594.588	271.943	62.220	61.987	49.128
	6-3	10.375	1.072	11.447	204.367	0.716	0.102	0.818	2089.919	213.458	57.595	63.240	47.792
8	8-1	9.380	1.406	10.786	185.217	0.643	0.110	0.753	1888.985	189.054	54.151	49.492	40.101
	8-2	9.189	1.242	10.431	197.463	0.681	0.098	0.779	1368.572	150.319	57.675	50.667	44.286
	8-3	8.775	1.196	9.971	183.213	0.618	0.092	0.710	1428.189	138.888	55.560	49.830	38.932