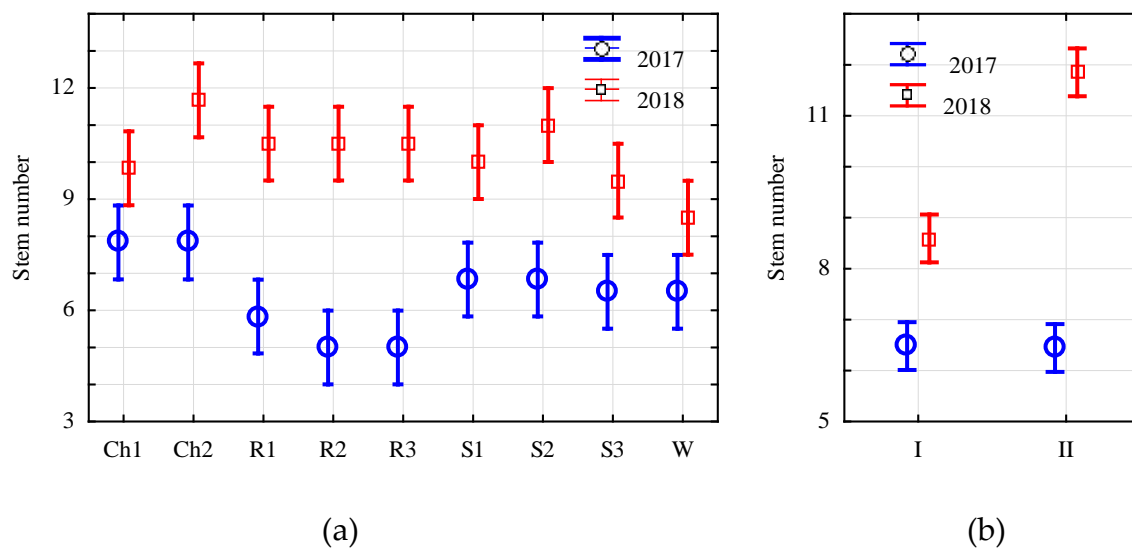


# Impact of Plant Growth Regulators to Development of the Second Generation Energy Crop *Miscanthus × giganteus* Produced Two Years in Marginal Post-Military Soil

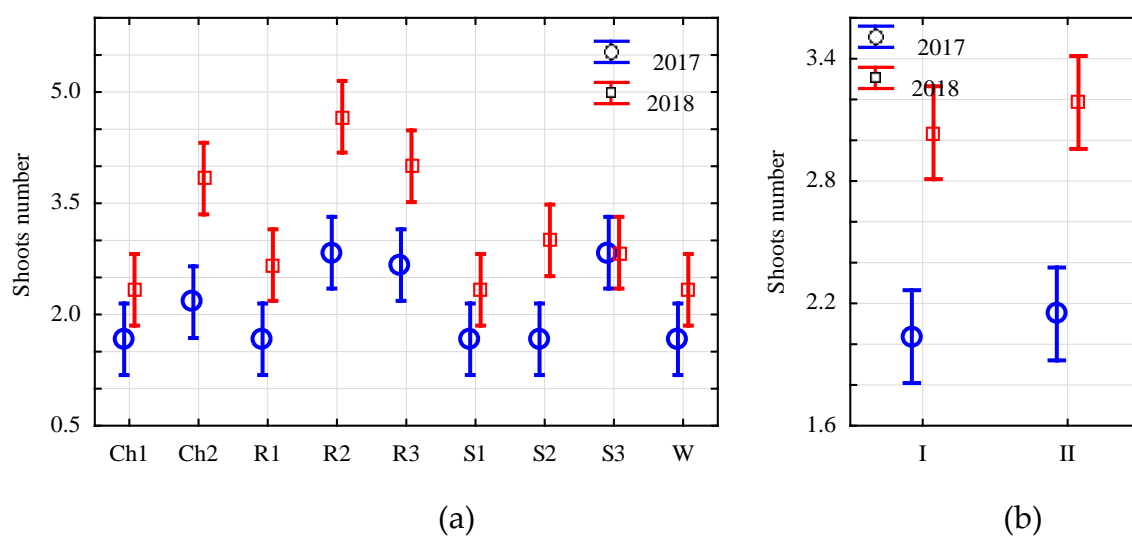
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Table S1. Descriptive statistics of morphometric traits of *Miscanthus*.

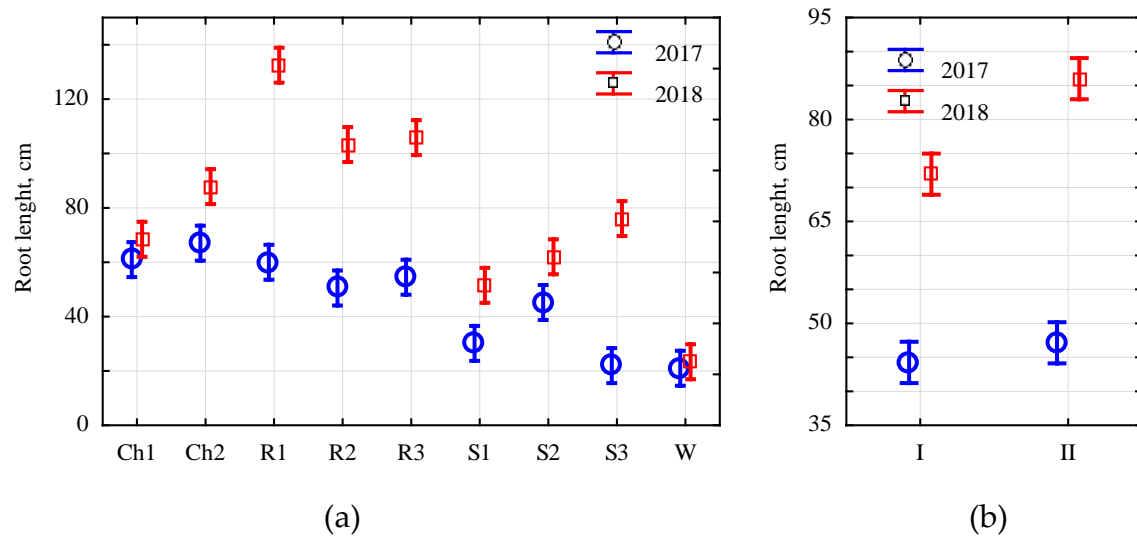
Year	Soil	Effect	Number of Stems	Number of Shoots	Length of Roots, cm	Length of Stems, cm	Biomass (wet), g	Biomass (dry), g
2017	I	Ch1	7.67±0.33	1.67±0.33	60.00±1.73	92.00±8.66	65.78±5.06	21.69±2.89
2017	I	Ch2	7.67±0.33	1.67±0.33	70.00±6.35	96.67±8.99	68.90±5.17	23.48±3.06
2017	I	R1	5.67±0.33	1.67±0.33	57.00±5.20	81.00±11.55	55.01±4.04	19.16±1.63
2017	I	R2	5.00±0.58	3.00±0.58	49.00±6.93	60.00±5.20	49.58±3.84	15.62±1.93
2017	I	R3	5.00±0.58	2.67±0.33	54.00±4.62	59.00±6.93	47.40±3.69	11.69±1.42
2017	I	S1	7.00±0.58	1.67±0.33	29.00±4.62	70.00±4.62	42.20±3.46	10.18±1.35
2017	I	S2	7.00±1.15	1.67±0.33	39.33±3.38	74.00±5.03	57.50±3.58	17.77±1.84
2017	I	S3	6.67±0.88	2.67±0.33	20.00±2.31	70.00±5.77	51.63±3.94	15.04±1.54
2017	I	W	6.67±0.33	1.67±0.33	20.00±1.15	65.00±7.51	42.55±4.16	12.14±2.77
2017	II	Ch1	8.00±1.15	1.67±0.33	62.00±7.51	96.00±7.51	73.80±5.31	22.48±2.06
2017	II	Ch2	8.00±1.15	2.67±0.33	64.00±5.29	98.00±10.39	78.59±6.19	25.87±4.57
2017	II	R1	6.00±0.58	1.67±0.33	63.00±3.46	83.00±6.93	62.93±1.67	18.86±1.38
2017	II	R2	5.00±0.58	2.67±0.33	52.00±8.66	67.00±4.62	50.07±5.37	14.99±1.67
2017	II	R3	5.00±0.58	2.67±0.33	55.00±8.08	61.00±4.62	55.60±9.06	14.14±1.96
2017	II	S1	6.67±0.88	1.67±0.33	31.33±3.84	74.00±2.89	53.33±3.62	14.72±1.01
2017	II	S2	6.67±0.33	1.67±0.33	51.00±1.15	83.00±3.46	60.40±1.15	19.25±0.22
2017	II	S3	6.33±0.67	3.00±0.00	24.00±2.89	68.00±7.51	55.37±5.98	13.89±1.24
2017	II	W	6.33±0.33	1.67±0.33	22.00±3.46	67.00±5.77	40.10±7.39	9.91±3.08
2018	I	Ch1	8.00±0.58	2.00±0.00	66.00±1.73	98.00±9.61	59.75±3.46	15.86±2.66
2018	I	Ch2	10.33±0.67	4.00±0.00	80.00±7.51	124.00±10.39	75.71±4.27	27.66±2.84
2018	I	R1	9.00±0.58	2.67±0.33	124.00±3.46	102.00±6.93	63.48±4.49	19.64±2.76
2018	I	R2	8.00±0.58	4.33±0.33	91.60±2.31	109.00±3.46	62.17±2.49	21.34±1.43
2018	I	R3	9.00±0.58	3.67±0.88	102.00±1.73	106.00±5.77	64.60±8.54	21.76±1.95
2018	I	S1	9.00±0.58	2.00±0.00	40.00±2.31	105.00±4.62	57.70±4.03	20.51±2.00
2018	I	S2	9.00±1.15	3.67±0.33	53.00±3.46	141.00±3.46	86.59±3.04	38.56±2.07
2018	I	S3	8.00±0.58	2.67±0.33	68.10±6.93	99.00±5.20	61.32±6.19	19.98±2.46
2018	I	W	7.00±0.58	2.33±0.33	23.00±1.21	71.00±7.51	52.41±2.77	14.61±2.37
2018	II	Ch1	11.67±0.33	2.67±0.33	70.90±2.63	126.00±7.51	74.32±1.04	17.55±1.53
2018	II	Ch2	13.00±1.15	3.67±0.33	95.70±7.97	128.00±10.39	90.14±3.91	26.37±1.20
2018	II	R1	12.00±1.15	2.67±0.33	141.00±4.85	105.00±4.00	77.98±2.37	19.34±1.02
2018	II	R2	13.00±0.58	5.00±0.00	115.00±3.12	97.00±4.62	73.59±7.19	16.62±3.67
2018	II	R3	12.00±0.58	4.33±0.33	109.70±3.93	91.00±4.62	57.60±1.73	8.13±1.16
2018	II	S1	11.00±1.00	2.67±0.33	63.00±2.94	104.00±2.89	60.11±4.20	13.55±1.97
2018	II	S2	13.00±1.15	2.33±0.33	71.00±1.73	113.00±3.46	74.84±3.40	22.30±1.75
2018	II	S3	11.00±0.58	3.00±0.00	84.00±3.87	98.00±7.51	62.65±6.17	10.63±1.94
2018	II	W	10.00±0.58	2.33±0.33	23.80±1.90	97.00±5.77	47.60±3.61	7.78±1.16



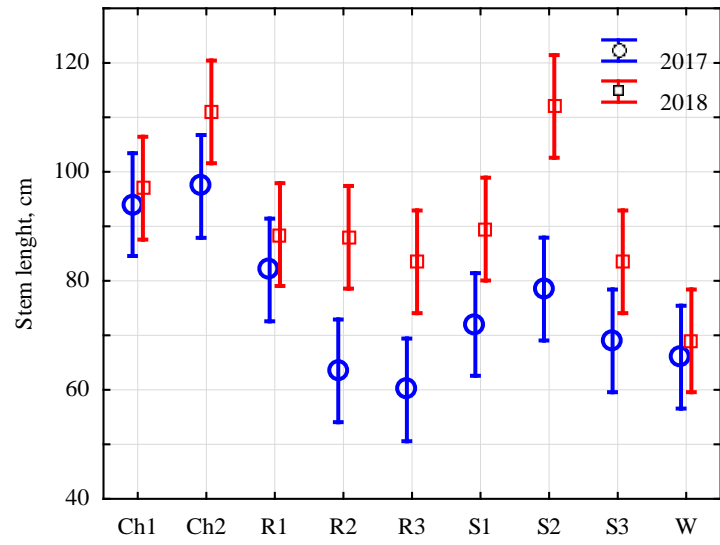
**Figure S1.** The effect of PGRs on stems number (a) and the effect of soil type (b). Squares and circles show least square means. Vertical bars denote 0.95 confidence intervals.



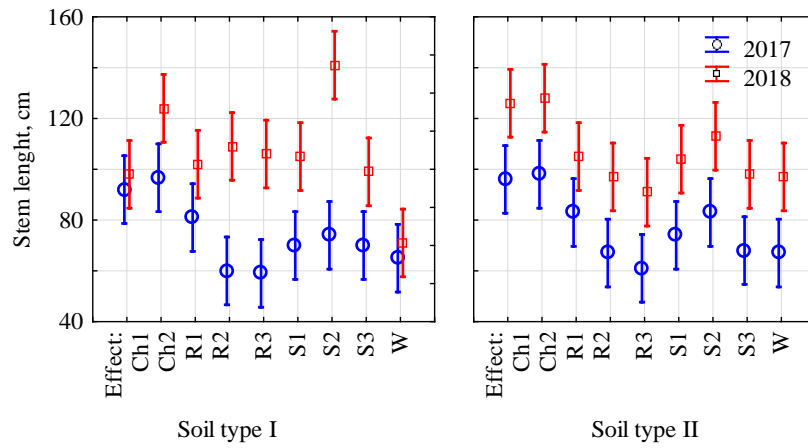
**Figure S2.** The effect of PGRs on shoot number (a) and the effect of soil type (b). Squares and circles show least square means. Vertical bars denote 0.95 confidence intervals.



**Figure S3.** The effect of PGRs on root length (a) and the effect of soil type (b). Squares and circles show least square means. Vertical bars denote 0.95 confidence intervals.



(a)



(b)

**Figure S4.** The effect of PGRs on stem length (a) and the effect of soil type (b). Squares and circles show least square means. Vertical bars denote 0.95 confidence intervals.