

Table 1 Suppl. As speciation in roots and shoots of two rice genotypes. All values are mean of triplicates $\pm$ SD. Different letters indicate significant differences among As treatments in a particular rice cultivar (DMRT, $P \leq 0.05$). BDL - below the detection limit, DMA - dimethylarsinic acid, MMA - monomethylarsonic acid.

Cultivars		Treatments	Arsenate [mg kg ⁻¹ (f.m.)]	Arsenite [mg kg ⁻¹ (f.m.)]	DMA [mg kg ⁻¹ (f.m.)]	MMA [mg kg ⁻¹ (f.m.)]
IET-19226 (LAARG)	roots	10 μ M As ^V	5.08 $\pm$ 0.25 ^b	3.10 $\pm$ 0.21 ^a	BDL	BDL
		50 μ M As ^V	14.47 $\pm$ 1.07 ^a	9.75 $\pm$ 0.56 ^c	0.003 $\pm$ 0.0002	BDL
		10 μ M As ^{III}	2.96 $\pm$ 0.18 ^a	4.84 $\pm$ 1.24 ^a	BDL	BDL
		25 μ M As ^{III}	6.05 $\pm$ 0.45 ^c	8.94 $\pm$ 1.19 ^b	0.001 $\pm$ 0.0001	BDL
BRG-12 (HAARG)	roots	10 μ M As ^V	30.71 $\pm$ 4.05 ^b	22.63 $\pm$ 2.19 ^a	BDL	BDL
		50 μ M As ^V	91.37 $\pm$ 8.75 ^a	79.86 $\pm$ 5.62 ^c	0.054 $\pm$ 0.008	BDL
		10 μ M As ^{III}	20.62 $\pm$ 2.08 ^a	23.16 $\pm$ 2.42 ^a	BDL	BDL
		25 μ M As ^{III}	41.91 $\pm$ 3.76 ^c	53.09 $\pm$ 4.43 ^b	0.017 $\pm$ 0.003	BDL
IET-19226 (LAARG)	shoots	10 μ M As ^V	2.13 $\pm$ 0.23 ^b	1.74 $\pm$ 0.17 ^a	BDL	BDL
		50 μ M As ^V	8.25 $\pm$ 1.16 ^a	5.12 $\pm$ 0.95 ^b	BDL	BDL
		10 μ M As ^{III}	1.83 $\pm$ 0.11 ^a	2.37 $\pm$ 0.74 ^a	BDL	BDL
		25 μ M As ^{III}	3.93 $\pm$ 0.28 ^c	5.38 $\pm$ 0.81 ^b	BDL	BDL
BRG-12 (HAARG)	shoots	10 μ M As ^V	13.77 $\pm$ 1.38	11.21 $\pm$ 1.60 ^a	BDL	BDL
		50 μ M As ^V	39.75 $\pm$ 5.25 ^d	34.46 $\pm$ 2.94 ^c	0.008 $\pm$ 0.0005	BDL
		10 μ M As ^{III}	11.14 $\pm$ 1.82 ^a	14.81 $\pm$ 2.18 ^a	BDL	BDL
		25 μ M As ^{III}	22.05 $\pm$ 2.05 ^c	25.99 $\pm$ 2.95 ^b	0.003 $\pm$ 0.0001	BDL

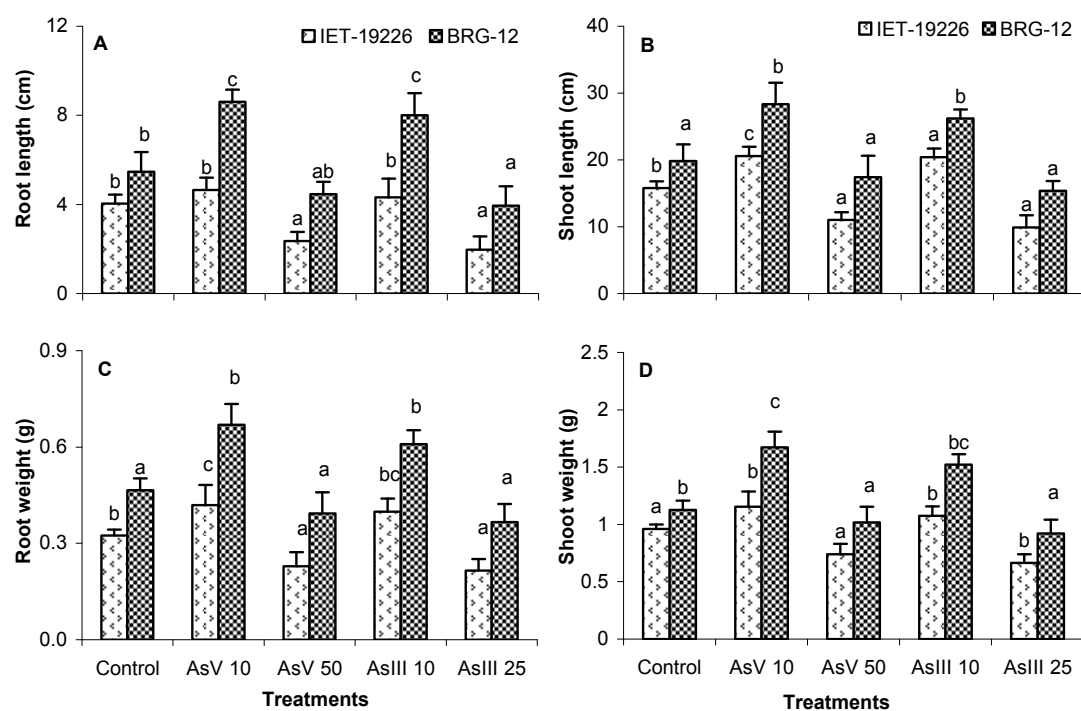


Fig. 1 Suppl. Effects of As^V and As^{III} on root-length (A), shoot-length (B), root mass (C), and shoot mass (D). All values are mean of triplicates $\pm$ SD. Different letters indicate significant different values among As treatments in a particular rice cultivar (DMRT, $P \leq 0.05$).