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Enhancing Organic Selenium Forms in Alfalfa Forage through Inorganic Selenium Foliar Application: Insights from Laboratory and Field Studies Using X-ray Spectroscopy.

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Supplementary Table S2. Effect of foliar selenium application on leaf unit transpiration rate (TRN), stomatal conductance (gs) and leaf chlorophyll index (SPAD) in alfalfa plants under different Se treatments in controlled conditions.

			TRN (mmol H_2O m^{-2} s^{-1})	gs (mmol m^{-2} s^{-1})	SPAD
CONTROL		**(-) BIO**	0.84 ± 0.13 a	33.60 ± 6.58 a	58.22 ± 9.80 a
		(+) BIO	1.30 ± 0.46 a,b,c	54.40 ± 20.12 a,b	54.26 ± 5.40 a
Se(VI)	**45 g ha^{-1}**	**(-) BIO**	2.03 ± 0.17 d,e	99.75 ± 9.00 c,d,e	51.58 ± 18.27 a
		(+) BIO	1.00 ± 0.37 a,b	47.00 ± 17.78 a,b	58.73 ± 11.67 a
	90 g ha^{-1}	**(-) BIO**	1.24 ± 0.29 a,b,c	54.40 ± 12.07 a,b	54.96 ± 11.18 a
		(+) BIO	1.24 ± 0.21 a,b,c	50.60 ± 9.29 a,b	56.78 ± 13.19 a
Se(IV)	**45 g ha^{-1}**	**(-) BIO**	2.80 ± 0.32 f	141.25 ± 22.01 f	43.68 ± 7.02 a
		(+) BIO	2.05 ± 0.60 d,e	100.50 ± 29.17 c,d,e	54.10 ± 4.32 a
	90 g ha^{-1}	**(-) BIO**	2.54 ± 0.29 e,f	133.20 ± 14.34 e,f	49.44 ± 14.32 a
		(+) BIO	2.76 ± 0.53 f	117.24 ± 62.95 d,e,f	55.96 ± 9.76 a
Se(Mix)	**45 g ha^{-1}**	**(-) BIO**	1.73 ± 1.09 c,d	86.50 ± 55.75 b,c,d	59.20 ± 10.16 a
		(+) BIO	0.88 ± 0.50 a,b	38.25 ± 23.13 a	52.30 ± 8.51 a
	90 g ha^{-1}	**(-) BIO**	1.16 ± 0.30 a,b,c	47.40 ± 13.05 a,b	56.54 ± 15.17 a
		(+) BIO	1.50 ± 0.64 b,c,d	61.25 ± 26.47 a,b,c	50.65 ± 7.51 a

Note. -BIO: without biostimulant, +BIO: with biostimulant (BIOFORGE® 600 mL ha^{-1}), Se(Mix): Se(VI)/Se(IV) (1:1). The results are expressed as the mean (n = 5) ± SE. Means not sharing any letter are significantly different by the LSD test at the $P < 0.05$ level of significance.