

Tuning of the amount of Se in rice grain (*Oryza Sativa*) at varying of the nature of the irrigation method: development of an ICP-MS analytical protocol, validation and application on 26 different rice genotypes.

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Supplementary material

Table 1S. Fertilization and herbicide treatments performed on fields object of the experiment. CF, continuous flooding irrigation, SA, saturation irrigation, SP, sprinkler irrigation.

CF and SA	Treatments
Pre-sowing fertilization	First year of the experiment: N ₂ , 135 kg ha ⁻¹ ; P ₂ O ₅ , 92 kg ha ⁻¹ ; K ₂ O, 50 kg ha ⁻¹ Second year of the experiment: N ₂ , 63 kg ha ⁻¹ ; P ₂ O ₅ , 92 kg ha ⁻¹ ; K ₂ O, 50 kg ha ⁻¹
Pre-emergent weed treatment	Both years of the experiment: <i>Pendimethalin</i> [®] , 1,320 g ha ⁻¹
Post-emergent weed treatment	First year of the experiment: Penoxsulam, 43.8 g ha ⁻¹ , Triclopyr, 133.2 g ha ⁻¹ and <i>MCPA</i> [®] , 376 g ha ⁻¹ Second year of the experiment: <i>Cinosulfuron</i> [®] , 80 g ha ⁻¹
Coverage fertilization	First year of the experiment: three treatments, 36 kg ha ⁻¹ of N ₂ each Second year of the experiment: three treatments, 45 kg ha ⁻¹ of N ₂ each
SP	Treatments
Pre-sowing fertilization	First year of the experiment: N ₂ , 105 kg ha ⁻¹ ; P ₂ O ₅ , 92 kg ha ⁻¹ ; K ₂ O, 50 kg ha ⁻¹ Second year of the experiment: N ₂ , 63 kg ha ⁻¹ ; P ₂ O ₅ , 92 kg ha ⁻¹ ; K ₂ O, 50 kg ha ⁻¹
Pre-emergent weed treatment	First year of the experiment: <i>Pendimethalin</i> [®] , 1,500 g ha ⁻¹ Second year of the experiment: <i>Pendimethalin</i> [®] , 1,650 g ha ⁻¹
Post-emergent weed treatment	First year of the experiment: <i>none</i> Second year of the experiment: <i>MCPA</i> [®] , 784 g ha ⁻¹
Coverage fertilization	Both years of the experiment: three treatments, 30 kg ha ⁻¹ of N ₂ each

MCPA: 4-chloro-o-tolyloxyacetic acid; (4-chloro-2-methylphenoxy)acetic acid.