

Table S1. Concentrations and contents of Fe, Zn, Cu, Mn, Mo, Ni, Ca, Mg, K and S in panicles, non-flag leaves, flag leaves, stems/sheaths and roots collected from rice plants at panicle exertion (PE), grain filling (GF), and full maturity (FM) stages.

Organ	Element	Concentration (µg/g DW)			Content (µg/plant)		
		PE	GF	FM	PE	GF	FM
Panicles	Fe	24.65 ± 0.85b	28.21 ± 0.47a	20.78 ± 0.86c	17.49 ± 0.32c	75.32 ± 12.11b	136.56 ± 11.54a
	Zn	42.77 ± 1.43a	42.92 ± 1.01a	40.41 ± 1.15a	30.34 ± 0.68c	113.32 ± 16.08b	261.66 ± 17.67a
	Cu	6.09 ± 0.28b	7.09 ± 0.31a	6.99 ± 0.10a	4.32 ± 0.16b	18.78 ± 2.98ab	53.95 ± 8.86a
	Mn	29.49 ± 1.87b	48.54 ± 2.59a	30.46 ± 2.46b	20.87 ± 1.45b	127.83 ± 17.87a	179.04 ± 18.38a
	Mo	0.92 ± 0.02a	0.76 ± 0.04b	0.77 ± 0.03b	0.66 ± 0.005b	1.99 ± 0.29b	4.92 ± 0.33a
	Ni	0.46 ± 0.03c	1.00 ± 0.04a	0.63 ± 0.02b	0.33 ± 0.02b	2.67 ± 0.44a	4.07 ± 0.35a
	Ca*	0.58 ± 0.03a	0.89 ± 0.08a	0.57 ± 0.06a	0.41 ± 0.02b	2.40 ± 0.50ab	4.19 ± 0.77a
	Mg*	1.31 ± 0.06a	1.45 ± 0.06a	1.31 ± 0.03a	0.93 ± 0.02b	3.34 ± 0.57b	8.44 ± 0.64a
	K*	9.50 ± 0.21a	8.47 ± 0.18a	7.23 ± 0.31b	6.76 ± 0.16b	22.83 ± 4.05b	46.47 ± 4.03a
	S*	1.48 ± 0.03a	1.35 ± 0.03b	1.28 ± 0.02b	1.05 ± 0.007c	3.58 ± 0.57b	8.14 ± 0.48a
Non-flag leaves	Fe	69.40 ± 0.70c	88.47 ± 1.30a	78.45 ± 1.12b	137.04 ± 20.20b	231.14 ± 19.48a	236.27 ± 10.61a
	Zn	18.73 ± 1.32b	24.17 ± 0.98a	21.24 ± 0.70ab	37.75 ± 8.72b	64.18 ± 7.31a	64.74 ± 4.39a
	Cu	9.76 ± 0.26b	13.59 ± 0.40a	14.86 ± 0.37a	19.21 ± 2.83b	35.37 ± 2.97a	44.79 ± 2.21a
	Mn	65.97 ± 1.80b	134.18 ± 4.65a	125.67 ± 5.12a	129.90 ± 17.74b	340.34 ± 17.92a	383.05 ± 28.09a
	Mo	7.24 ± 0.13a	7.52 ± 0.25a	7.64 ± 0.14a	14.19 ± 1.69b	19.35 ± 1.40a	22.80 ± 0.95a
	Ni	0.53 ± 0.05c	1.34 ± 0.09a	1.06 ± 0.06b	1.08 ± 0.29b	3.63 ± 0.58a	3.24 ± 0.30a
	Ca*	10.36 ± 0.29b	12.18 ± 0.28a	13.00 ± 0.28a	20.24 ± 2.17b	31.29 ± 1.95a	38.58 ± 1.54a
	Mg*	5.49 ± 0.09b	5.65 ± 0.08b	6.32 ± 0.14a	10.82 ± 1.53b	14.40 ± 0.56b	19.03 ± 0.79a
	K*	17.58 ± 0.35b	27.42 ± 0.17a	28.96 ± 0.96a	34.88 ± 5.77b	70.68 ± 4.19a	87.03 ± 5.00a
	S*	4.00 ± 0.10b	4.23 ± 0.05ab	4.56 ± 0.13a	7.94 ± 1.33b	10.97 ± 0.79ab	13.55 ± 0.52a
Flag leaves	Fe	51.90 ± 0.96b	83.08 ± 1.85a	85.49 ± 1.95a	23.38 ± 2.50b	39.53 ± 5.92ab	61.15 ± 4.91a
	Zn	24.34 ± 2.69a	22.31 ± 1.14a	26.65 ± 0.80a	10.77 ± 0.71b	10.47 ± 1.30b	19.29 ± 1.05a
	Cu	8.52 ± 0.25b	12.35 ± 0.25a	13.56 ± 0.39a	3.83 ± 0.36b	5.84 ± 0.78b	9.68 ± 0.83a
	Mn	21.12 ± 0.95b	113.94 ± 8.28a	94.00 ± 5.94a	9.46 ± 0.79b	52.75 ± 4.78a	66.97 ± 7.09a
	Mo	2.72 ± 0.12b	4.52 ± 0.21a	4.38 ± 0.16a	1.24 ± 0.21b	2.18 ± 0.39ab	3.14 ± 0.29a
	Ni	0.30 ± 0.006b	0.65 ± 0.02a	0.71 ± 0.03a	0.14 ± 0.02c	0.31 ± 0.04b	0.51 ± 0.03a
	Ca*	3.87 ± 0.22c	9.85 ± 0.29b	13.79 ± 0.50a	1.76 ± 0.27b	4.70 ± 0.70b	9.82 ± 0.77a

Supplementary table to the article “Whole-plant mineral partitioning during the reproductive development of rice (*Oryza sativa* L.)”, by Raul A. Sperotto, Marta W. Vasconcelos, Michael A. Grusak, and Janette P. Fett. *Spanish Journal of Agricultural Research* Vol. 15, No. 2, June 2017 (<https://doi.org/10.5424/sjar/2017152-10332>)

	Mg*	2.15 ± 0.20c	3.90 ± 0.18b	4.85 ± 0.19a	0.97 ± 0.12b	1.82 ± 0.19b	3.48 ± 0.31a
	K*	13.24 ± 0.69b	17.35 ± 0.97a	17.24 ± 0.58a	6.06 ± 1.07b	8.12 ± 0.96b	12.60 ± 0.97a
	S*	3.35 ± 0.13b	4.26 ± 0.06a	4.82 ± 0.13a	1.50 ± 0.13b	2.02 ± 0.27b	3.49 ± 0.18a
Stems/ Sheaths	Fe	19.74 ± 1.32c	42.15 ± 1.58a	33.62 ± 0.91b	97.81 ± 14.59b	276.47 ± 39.27a	300.84 ± 18.27a
	Zn	20.27 ± 0.91b	43.17 ± 2.80a	46.15 ± 1.74a	100.62 ± 11.75c	272.23 ± 9.54b	409.62 ± 21.64a
	Cu	5.04 ± 0.15c	7.96 ± 0.26b	8.78 ± 0.15a	24.87 ± 2.03c	51.16 ± 4.22b	78.57 ± 4.52a
	Mn	17.99 ± 0.79c	37.98 ± 2.37a	32.02 ± 0.94b	88.57 ± 8.04b	240.23 ± 9.65a	268.62 ± 15.16a
	Mo	1.67 ± 0.05b	1.74 ± 0.08b	2.27 ± 0.07a	8.25 ± 0.73b	11.08 ± 0.60b	20.33 ± 1.29a
	Ni	0.30 ± 0.03c	1.49 ± 0.11a	0.82 ± 0.02b	1.47 ± 0.22b	9.99 ± 2.05ab	7.26 ± 0.37a
	Ca*	0.87 ± 0.06b	1.03 ± 0.04ab	1.19 ± 0.05a	4.27 ± 0.56b	6.62 ± 0.53b	10.00 ± 0.74a
	Mg*	1.99 ± 0.09b	2.27 ± 0.12ab	2.56 ± 0.06a	9.80 ± 1.00b	14.48 ± 0.99b	24.10 ± 1.29a
	K*	18.96 ± 0.46b	30.00 ± 0.75a	28.84 ± 0.69a	93.66 ± 8.44c	193.24 ± 16.46b	256.11 ± 9.02a
	S*	1.73 ± 0.04b	1.87 ± 0.04ab	2.10 ± 0.07a	8.54 ± 0.79b	12.10 ± 1.09b	18.65 ± 0.82a
Roots	Fe	1,142.05 ± 113.89a	620.66 ± 36.09b	803.81 ± 47.97b	392.76 ± 82.36b	402.90 ± 46.69b	831.02 ± 61.99a
	Zn	72.44 ± 4.26b	107.23 ± 7.87a	69.18 ± 4.16b	24.67 ± 4.19b	75.07 ± 5.72a	71.14 ± 4.90a
	Cu	40.51 ± 3.37b	149.02 ± 13.69a	60.70 ± 4.12b	13.85 ± 2.66c	94.70 ± 5.22a	62.27 ± 4.43b
	Mn	32.47 ± 5.34a	18.35 ± 0.88b	22.21 ± 1.16b	14.19 ± 2.56b	11.80 ± 0.86b	22.84 ± 1.40a
	Mo	8.32 ± 0.26a	6.66 ± 0.51b	7.27 ± 0.14ab	2.80 ± 0.34b	4.26 ± 0.28b	7.98 ± 0.48a
	Ni	1.18 ± 0.06c	3.62 ± 0.26a	2.46 ± 0.19b	0.40 ± 0.06b	2.31 ± 0.11a	2.52 ± 0.16a
	Ca*	40.71 ± 2.46a	2.54 ± 0.09b	34.45 ± 2.47a	13.88 ± 2.39b	1.64 ± 0.11c	35.64 ± 2.96a
	Mg*	1.17 ± 0.29ab	0.92 ± 0.03b	1.50 ± 0.07a	0.39 ± 0.03b	0.60 ± 0.06b	1.64 ± 0.07a
	K*	24.01 ± 0.67b	24.67 ± 1.10ab	32.88 ± 1.47a	8.04 ± 0.78b	15.88 ± 1.14b	36.80 ± 2.03a
	S*	5.32 ± 0.18a	4.95 ± 0.19a	5.45 ± 0.24a	1.79 ± 0.23c	3.21 ± 0.30b	6.06 ± 0.30a

Data are mean ± standard error. $n = 3$ for the PE stage, $n = 4$ for the GF stage and $n = 8$ for the FM stage. *Concentrations and contents of Ca, Mg, K and S are presented as mg/g DW and mg/plant, respectively. Mean values (between reproductive stages) indicated by different letters are different by the Tukey HSD test ($p \leq 0.05$). DW = dry weight.