

Table S5. Multivariable analysis of late-harvest biomarkers of kidney injury by hydration among sugarcane workers, stratified by job

Variable	NGAL [ln(μ g/g)]		IL-18 [ln(ng/g)]		NAG [ln(U/g)]	
	Relative Mean	(95% CI)	Relative Mean	(95% CI)	Relative Mean	(95% CI)
Cane cutter						
Water consumption (L)	0.99	(0.88, 1.11)	1.01	(0.87, 1.18)	1.01	(0.92, 1.10)
Electrolyte solution consumption (n) ^a	0.77	(0.61, 0.98)	1.09	(0.80, 1.47)	0.84	(0.70, 1.01)
Seeder						
Water consumption (L)	0.92	(0.73, 1.15)	0.98	(0.83, 1.17)	1.00	(0.79, 1.26)
Electrolyte solution consumption (n)	1.10	(0.82, 1.49)	0.94	(0.75, 1.17)	0.94	(0.69, 1.28)
Seed cutter						
Water consumption (L)	1.02	(0.77, 1.36)	1.07	(0.76, 1.51)	1.25	(0.91, 1.72)
Electrolyte solution consumption (n)	0.92	(0.67, 1.29)	0.69	(0.46, 1.04)	0.67	(0.44, 1.02)
Agrichemical applicator						
Water consumption (L)	1.19	(0.89, 1.59)	0.93	(0.72, 1.21)	0.89	(0.75, 1.05)
Electrolyte solution consumption (n)	0.93	(0.70, 1.22)	1.24	(0.96, 1.60)	0.98	(0.85, 1.14)
Irrigator						
Water consumption (L)	0.97	(0.81, 1.15)	1.03	(0.87, 1.23)	1.02	(0.84, 1.23)
Electrolyte solution consumption (n)	1.05	(0.85, 1.28)	1.00	(0.81, 1.23)	1.14	(0.92, 1.42)
Driver						
Water consumption (L)	0.97	(0.82, 1.14)	1.16	(0.93, 1.44)	1.08	(0.92, 1.28)
Electrolyte solution consumption (n)	1.06	(0.84, 1.34)	1.00	(0.74, 1.35)	1.09	(0.86, 1.38)
Factory worker						
Water consumption (L)	1.13	(0.91, 1.41)	1.03	(0.85, 1.24)	1.02	(0.87, 1.20)
Electrolyte solution consumption (n)	1.12	(0.93, 1.35)	1.09	(0.93, 1.27)	1.05	(0.91, 1.21)

Note: Relative mean (e^{β}) represents the fold-change in biomarker per unit increase of consumption. Model parameters include water, electrolyte solution, sex, age, years worked, and pre-harvest biomarker value.

Abbreviations: NGAL, neutrophil gelatinase-associated lipocalin; IL-18, interleukin-18; NAG, N-acetyl-D-glucosaminidase.

^a Each packet (n) is 100mL.