

Supplementary Table S2. Effects of N form on N-metabolizing enzyme activity in drip-irrigated rice leaves.

Year	Cultivar	Nitrogen forms	HS			20 DAH		
			GS (U·g ⁻¹)	GDH (U·g ⁻¹)	NR (μg/(U·g ⁻¹))	GS (U·g ⁻¹)	GDH (U·g ⁻¹)	NR (μg/(U·g ⁻¹))
2020	T-43	CK	22.70 ± 3.78 c	206.86 ± 16.50 c	21.65 ± 2.74 b	16.69 ± 0.56 c	169.35 ± 34.08 c	17.22 ± 0.86 c
		Urea	36.31 ± 0.48 b	353.70 ± 32.63 b	39.06 ± 3.10 a	28.13 ± 4.00 b	305.47 ± 55.69 b	26.94 ± 0.56 b
		NH ₄ ⁺	49.22 ± 4.73 a	469.45 ± 44.55 a	42.80 ± 0.91 a	41.22 ± 4.23 a	394.43 ± 50.05 a	34.33 ± 0.50 a
		NO ₃ ⁻	34.60 ± 1.46 b	336.55 ± 59.67 b	38.43 ± 5.35 a	30.46 ± 1.37 b	285.1 ± 40.97 b	27.05 ± 1.59 b
	LX-3	CK	18.11 ± 3.44 c	191.85 ± 21.41 b	19.09 ± 1.35 b	16.71 ± 3.16 c	153.59 ± 26.74 c	14.05 ± 0.95 c
		Urea	32.10 ± 2.12 b	316.18 ± 58.97 a	35.89 ± 3.46 a	27.63 ± 1.89 b	297.96 ± 62.38 b	23.48 ± 0.83 b
		NH ₄ ⁺	44.62 ± 5.17 a	413.72 ± 52.08 a	39.42 ± 3.40 a	35.84 ± 0.68 a	401.71 ± 50.6 a	29.66 ± 1.35 a
2021	T-43	NO ₃ ⁻	33.04 ± 3.67 b	342.98 ± 68.69 a	37.08 ± 3.38 a	31.06 ± 2.07 b	315.11 ± 47.58 ab	25.43 ± 3.00 b
		CK	18.59 ± 0.95 c	198.29 ± 12.17 c	18.15 ± 1.65 c	15.45 ± 0.43 c	159.7 ± 32.21 c	15.97 ± 1.75 c
		Urea	35.72 ± 4.03 b	320.47 ± 67.01 b	35.42 ± 2.21 b	25.8 ± 3.08 b	280.81 ± 6.69 b	27.05 ± 1.67 b
		NH ₄ ⁺	51.42 ± 2.17 a	454.45 ± 46.52 a	41.98 ± 1.26 a	44.61 ± 4.38 a	389.07 ± 51.45 a	33.81 ± 6.39 a
	LX-3	NO ₃ ⁻	35.14 ± 0.45 b	330.87 ± 23.33 b	35.32 ± 1.74 b	29.04 ± 0.72 b	278.67 ± 29.88 b	25.17 ± 1.65 b
		CK	18.23 ± 1.65 b	195.07 ± 60.36 c	18.05 ± 2.20 c	17.17 ± 3.43 c	155.41 ± 26.97 c	13.99 ± 1.43 c
		Urea	31.86 ± 1.80 a	308.68 ± 44.67 b	33.65 ± 2.14 b	25.18 ± 2.54 b	265.81 ± 63.2 b	21.38 ± 1.57 b
		NH ₄ ⁺	42.93 ± 4.83 a	396.25 ± 35.11 a	36.77 ± 2.34 a	32.93 ± 0.94 a	378.35 ± 53.55 a	31.53 ± 1.35 a
		NO ₃ ⁻	34.76 ± 0.01 a	329.05 ± 24.13 b	35.26 ± 1.65 b	31.17 ± 1.32 a	278.78 ± 66.07 ab	24.65 ± 2.45 b
<i>p</i> Value								
Cultivar (C)			**	ns	**	*	ns	**
Nitrogen forms (N)			**	**	**	**	**	**
C × N			ns	ns	ns	**	ns	ns

HS, heading stage; 20 DAH, 20 days after heading. Different letters indicate that the values for the same cultivar are significantly different within the same year ($p = 0.05$). * and ** indicate significance at the $p = 0.05$ and 0.01 levels, respectively, and NS indicates nonsignificance at the $p = 0.05$ level.