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Cover crop effects on nitrogen mineralization and availability in conservation tillage cotton

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The data for cotton biomass, total N, and LAI in Tables 1 and 2 were incorrect. The correct tables are given here.

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Table 1 Mean above-ground biomass, total N accumulated in above-ground biomass, LAI, plant height and number of nodes during the 1997 cotton-growing season following crimson clover and rye cover crops

Cover Crop	DAP ^a	Biomass ^b		Total N ^b		LAI ^b		Height		Nodes	
		Mg ha ⁻¹	kg ha ⁻¹	kg ha ⁻¹	kg ha ⁻¹	m ² m ⁻²	m ² m ⁻²	cm	cm	#	#
		std	std	std	std	std	std	std	std	std	std
Clover	51	0.7	0.2	19.9	6.9	0.7	0.2	43.2	3.4	9.0	1.2
Rye	51	0.8	0.2	26.6	7.5	0.8	0.1	47.9	6.2	10.6	0.6
Clover	59	1.2	0.3	32.7	11.8	1.1	0.3	53.2	6.0	11.6	0.7
Rye	59	1.2	0.4	30.6	11.6	1.2	0.4	58.0	7.3	11.4	1.5
Clover	64	1.9	0.4	54.4	10.9	1.7	0.3	65.7	3.2	13.5	0.8
Rye	64	2.0	0.4	51.8	21.1	1.6	0.3	68.9	8.7	13.4	0.8
Clover	79	4.0	2.8	71.7	46.9	2.6	1.4	84.2	16.4	16.3	1.7
Rye	79	3.8	1.3	59.2	21.9	3.1	1.2	94.2	6.7	17.1	0.8
Clover	85	6.2	2.0	103.0	34.7	3.7	1.0	98.3	8.9	18.4	1.2
Rye	85	6.3	2.9	105.2	79.6	3.1	0.9	100.5	9.1	18.4	1.2
Clover	99	10.5	2.5	134.8	49.9	3.9	1.2	119.0	9.0	21.1	1.8
Rye	99	8.5	4.3	101.1	58.3	3.0	1.4	97.9	18.6	19.6	1.7
Clover	120	21.1	4.6	182.2	73.5	5.3	1.5	124.3	8.2	22.2	1.0
Rye	120	21.1	6.8	146.8	73.9	4.8	1.9	115.1	11.8	21.1	2.0

^a DAP is days after planting.

^b Biomass, Total N, and LAI values are geometric means.

^c Values in parentheses indicate $\pm 95\%$ confidence limits.

* Indicates significant difference between clover and rye values at the same DAP based on T-test at $\alpha \leq 0.10$.

Table 2 Mean above-ground biomass, total N accumulated in above-ground biomass, plant height and number of nodes at three dates during the 1998 cotton-growing season following crimson clover and rye cover crops.

Cover Crop	DAP ^a	Biomass ^b		Total N ^b	Height		Nodes		
		Mg ha ⁻¹	kg ha ⁻¹	kg ha ⁻¹	cm	cm	#	#	
		STD	std	std	std	std	std	std	
Crimson clover	55	4.0	0.9	74.4	20.2	53.5	5.2	14.1	1.2
Rye		4.5	0.7	73.5	17.9	59.5	3.2	15.0	0.7
Crimson clover	77	5.5	1.6	136.3	41.2	75.4	5.4	17.2	3.2
Rye		6.1	1.4	148.9	37.3	75.6	5.3	17.9	2.1
Crimson clover	132	11.3	3.3	213.2	67.5	83.9	10.0	22.5	1.3
Rye		9.4	3.2	157.0	56.5	79.7	5.3	20.7	1.2

^a DAP is days after planting.

^b Biomass, Total N, and LAI values are geometric means.

^c Values in parentheses indicate $\pm 95\%$ confidence limits.

* Indicates significant difference between clover and rye values at the same DAP based on T-test at $\alpha \leq 0.10$.