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Supplement of

Oxygen isotope fractionation during N₂O production by soil denitrification

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Appendix 1

Table.A1 Detailed scheme of the applied treatments and the incubations carried out. Each treatment included 3 replications. Last column shows where the results of particular treatments are presented in the manuscript and which symbols are used for different treatments.

	WFPS	nitrate	water	inhibition	soil	temp.	results showed in:				
							Table1	Fig2	Fig3	Fig4	Fig5
Exp 1.1b incubation 1 (25.- 26.02.2013)	80	Chile Saltpeter	light	C ₂ H ₂	loamy sand	22	x	▲	▲	▲	} mean
	80	synthetic	light	C ₂ H ₂	loamy sand	22		▲	△		
	80	Chile Saltpeter	heavy	C ₂ H ₂	loamy sand	22	x	▲	▲	▲	
	80	synthetic	heavy	C ₂ H ₂	loamy sand	22		▲	△		
	80	Chile Saltpeter	heavy	-	loamy sand	22	x	×			
	80	synthetic	heavy	-	loamy sand	22		×			
	80	¹⁵ N labelled	heavy	C ₂ H ₂	loamy sand	22					
	80	¹⁵ N labelled	heavy	-	loamy sand	22					
Exp 1.1a incubation 2 (11- 12.03.2013)	80	Chile Saltpeter	light	C ₂ H ₂	loamy sand	8	x	△	▲	▲	} mean
	80	synthetic	light	C ₂ H ₂	loamy sand	8		△	△		
	80	Chile Saltpeter	heavy	C ₂ H ₂	loamy sand	8	x	△	▲	▲	
	80	synthetic	heavy	C ₂ H ₂	loamy sand	8		△	△		
	80	Chile Saltpeter	heavy	-	loamy sand	8	x	×			
	80	synthetic	heavy	-	loamy sand	8		×			
	80	¹⁵ N labelled	heavy	C ₂ H ₂	loamy sand	8					
	80	¹⁵ N labelled	heavy	-	loamy sand	8					
Exp 1.1c incubation 2 (11- 12.03.2013)	80	Chile Saltpeter	light	C ₂ H ₂	silt loam	22	x	◆	◆	◆	} mean
	80	synthetic	light	C ₂ H ₂	silt loam	22		◆	◆		
	80	Chile Saltpeter	heavy	C ₂ H ₂	silt loam	22	x	◆	◆	◆	
	80	synthetic	heavy	C ₂ H ₂	silt loam	22		◆	◆		
	80	Chile Saltpeter	heavy	-	silt loam	22	x	×			
	80	synthetic	heavy	-	silt loam	22		×			
	80	¹⁵ N labelled	heavy	C ₂ H ₂	silt loam	22					
	80	¹⁵ N labelled	heavy	-	silt loam	22					
Exp 1.2a incubation 3 (22- 23.08.2013)	80	Chile Saltpeter	light	C ₂ H ₂	loamy sand	22	x	▲	▲	▲	} mean
	80	Chile Saltpeter	light	C ₂ H ₂	loamy sand	22	x	▲	▲	▲	
	80	synthetic	heavy	C ₂ H ₂	loamy sand	22		▲	△		
	65	Chile Saltpeter	light	C ₂ H ₂	loamy sand	22	x	▲	▲	▲	
	65	Chile Saltpeter	light	C ₂ H ₂	loamy sand	22	x	▲	▲	▲	
	65	synthetic	heavy	C ₂ H ₂	loamy sand	22		▲	△		

	50	Chile Saltpeter	light	C ₂ H ₂	loamy sand	22	x	▲	▲	▲
	50	Chile Saltpeter	light	C ₂ H ₂	loamy sand	22	x	▲	▲	▲
	50	synthetic	heavy	C ₂ H ₂	loamy sand	22		▲	△	
	80	¹⁵ N labelled	heavy	-	loamy sand	22				
Exp 1.2b incubation 4 (02- 03.09.2013)	80	Chile Saltpeter	light	C ₂ H ₂	silt loam	22	x	◆	◆	◆
	80	Chile Saltpeter	heavy	C ₂ H ₂	silt loam	22	x	◆	◆	◆
	80	synthetic	heavy	C ₂ H ₂	silt loam	22		◆	◇	
	65	Chile Saltpeter	light	C ₂ H ₂	silt loam	22	x	◆	◆	◆
	65	Chile Saltpeter	heavy	C ₂ H ₂	silt loam	22	x	◆	◆	◆
	65	synthetic	heavy	C ₂ H ₂	silt loam	22		◆	◇	
	50	Chile Saltpeter	light	C ₂ H ₂	silt loam	22	x	◆	◆	◆
	50	Chile Saltpeter	heavy	C ₂ H ₂	silt loam	22	x	◆	◆	◆
	50	synthetic	heavy	C ₂ H ₂	silt loam	22		◆	◇	
	80	¹⁵ N labelled	heavy	-	silt loam	22				

◆ mean