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Artikel: The impact of draining, burning and fertilizer treatments on the nutrient status of floating "Typha" mats in a freshwater marsh = Der Einfluss der Drainage, kontrolliertem Abbrennen und Düngung auf die Nährstoffverhältnisse in schwimmenden "Typha"-Beständen
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APPENDICES

Legend to the appendices 1-23

Fertilizer treatments:

- C = no fertilizer added
- N = nitrogen added (200 kg/ha)
- P = phosphorus added (200 kg/ha)
- L = lime added (625 kg/ha)
- NPL = nitrogen, phosphorus and lime added at above rates

Significance testing:

Tested were the pairwise comparisons listed below: if two of the means compared share the same letter they are not significantly different at $P<0.05$. Compared were (see Table below):

- The two draining means (A) (all burning and fertilizer treatments combined; $n = 50$);
- the two burning means (B) (all draining and fertilizer treatments combined; $n = 50$);
- the two burning means within a single draining regime (C and D, respectively) (all fertilizer treatments combined; $n = 25$);
- any two fertilizer treatment means (E) (all draining and burning treatments combined; $n = 20$);
- any two fertilizer treatment means within a single draining treatment (F and G, respectively) (the two burning treatments combined; $n = 10$);
- any two fertilizer treatment means within a single burning treatment (H and I, respectively) (the two draining treatments combined; $n = 10$);
- any two fertilizer treatment means within a single draining x burning regime (K, L, M and N, respectively).

Sample sizes and pairwise comparisons tested. Numbers indicate the sample sizes on which means are based on, letters in parentheses the treatments for which pairwise comparisons were made. (For experimental design see Chapter 3.1)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	100 ¹	20 (E)	20 (E)	20 (E)	20 (E)	20 (E)
Undrained	50 ² (A)	10 (F)	10 (F)	10 (F)	10 (F)	10 (F)
Drained	50 ² (A)	10 (G)	10 (G)	10 (G)	10 (G)	10 (G)
Unburned	50 ² (B)	10 (H)	10 (H)	10 (H)	10 (H)	10 (H)
Burned	50 ² (B)	10 (I)	10 (I)	10 (I)	10 (I)	10 (I)
Undrained-unburned	25 ³ (C)	5 (K)	5 (K)	5 (K)	5 (K)	5 (K)
Undrained-burned	25 ³ (C)	5 (L)	5 (L)	5 (L)	5 (L)	5 (L)
Drained-unburned	25 ³ (D)	5 (M)	5 (M)	5 (M)	5 (M)	5 (M)
Drained-burned	25 ³ (D)	5 (N)	5 (N)	5 (N)	5 (N)	5 (N)

In appendices 39 and 40 the indices 1) = 40, 2) = 20, 3) = 10

Appendix 1. Start of shoot emergence (days after May 15)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	5.5	-	-	-	-	-
Undrained	0.0 a	-	-	-	-	-
Drained	11.0 b	-	-	-	-	-
Unburned	5.5	Shoot emergence started before burning and fertilizer treatments were applied				
Burned	-					
Undrained-unburned	0.0	-	-	-	-	-
Undrained-burned	-	-	-	-	-	-
Drained-unburned	11.0	-	-	-	-	-
Drained-burned	-	-	-	-	-	-

Appendix 2. Shoot density on June 12 (shoots per square meter)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	5.7	-	-	-	-	-
Undrained	8.2 a	-	-	-	-	-
Drained	3.2 b	-	-	-	-	-
Unburned	4.4 a	Fertilizer had not yet				
Burned	7.0 b	been applied by June 12				
Undrained-unburned	7.4 a	-	-	-	-	-
Undrained-burned	9.0 a	-	-	-	-	-
Drained-unburned	1.4 a	-	-	-	-	-
Drained-burned	7.0 b	-	-	-	-	-

Appendix 3. Shoot density on June 19 (shoots per square meter)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	17.9	16.0 a	17.2 a	15.5 a	21.0 a	19.8 a
Undrained	21.3 a	21.3 a	19.6 a	17.6 a	25.8 a	22.1 a
Drained	14.5 b	10.7 a	14.8 a	13.4 a	16.2 a	17.6 a
Unburned	18.0 a	16.5 a	16.9 a	14.5 a	23.8 a	18.6 a
Burned	17.8 a	15.5 a	17.6 a	16.5 a	18.2 a	21.0 a
Undrained-unburned	20.2 a	21.3 a	19.3 a	14.5 a	26.9 a	19.3 a
Undrained-burned	22.3 a	21.3 a	20.0 a	20.7 a	24.8 a	24.8 a
Drained-unburned	15.8 a	11.7 a	14.5 a	14.5 a	20.7 a	17.9 a
Drained-burned	13.2 a	9.6 a	15.1 a	12.4 a	11.7 a	17.2 a

Appendix 4. Shoot density on June 19 in percent of final shoot density

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	63.9	63.3 a	57.5 a	57.4 a	71.6 a	69.7 a
Undrained	69.9 a	79.7 ab	58.6 b	59.0 b	82.5 a	69.8 ab
Drained	57.9 b	46.9 a	56.5 a	55.8 a	60.8 a	69.5 a
Unburned	67.2 a	67.0 a	59.3 a	64.8 a	81.7 a	63.0 a
Burned	60.7 a	59.6 a	55.8 a	50.0 a	61.5 a	76.4 a
Undrained-unburned	69.4 a	75.7 ab	57.9 b	61.1 ab	85.4 a	66.8 ab
Undrained-burned	70.4 a	83.8 a	59.2 a	56.9 a	79.5 a	72.9 a
Drained-unburned	65.0 a	58.2 a	60.7 a	68.6 a	78.1 a	59.2 a
Drained-burned	50.9 a	35.5 a	52.3 ab	43.0 ab	43.6 ab	79.8 b

Appendix 5. Final shoot density (shoots per square meter)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	28.6	25.4 a	31.1 a	28.7 a	29.0 a	28.8 a
Undrained	31.3 a	27.4 a	34.8 a	31.0 a	31.0 a	32.6 a
Drained	25.8 a	23.3 a	27.4 a	26.4 a	27.0 a	25.1 a
Unburned	27.0 a	25.6 a	28.2 a	23.0 a	28.2 a	29.9 a
Burned	30.0 a	25.2 a	33.9 a	34.3 a	29.8 a	27.7 a
Undrained-unburned	29.6 a	29.0 a	33.7 a	24.6 a	30.6 a	30.0 a
Undrained-burned	33.1 a	25.9 a	35.8 a	37.3 a	31.4 a	35.2 a
Drained-unburned	24.4 a	22.2 a	22.7 a	21.5 a	25.7 a	29.9 a
Drained-burned	27.3 a	24.5 a	32.1 a	31.3 a	28.2 a	20.2 a

Appendix 6. Shoot height on June 19 (cm)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	44.3	42.4 a	42.4 a	45.2 a	46.6 a	44.7 a
Undrained	57.7 a	56.7 a	55.7 a	57.2 a	61.4 a	57.4 a
Drained	30.8 b	28.2 a	29.1 a	33.2 a	31.9 a	32.0 a
Unburned	53.1 a	52.6 a	52.4 a	53.7 a	54.0 a	53.0 a
Burned	35.4 b	32.3 a	32.4 a	36.7 a	39.3 a	36.4 a
Undrained-unburned	68.1 a	68.4 a	68.0 a	67.2 a	70.3 a	66.4 a
Undrained-burned	47.3 b	45.1 a	43.4 a	47.2 a	52.4 a	48.3 a
Drained-unburned	38.2 a	36.9 a	36.8 a	40.2 a	37.7 a	39.5 a
Drained-burned	23.5 b	19.5 a	21.3 a	26.1 a	26.1 a	24.5 a

Appendix 7. Final shoot height (cm)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	140.1	126.9 a	161.1 b	148.6 b	134.0 a	129.8 a
Undrained	147.0 a	135.3 a	163.1 b	152.9 ab	148.2 ab	135.4 a
Drained	133.2 b	118.5 a	159.2 c	144.2 bc	119.9 a	124.2 ab
Unburned	146.4 a	134.8 a	162.5 b	159.1 b	141.2 ab	134.7 a
Burned	133.8 a	119.0 a	159.8 b	138.0 a	126.9 a	125.0 a
Undrained-unburned	151.4 a	142.2 a	160.9 a	161.7 a	154.3 a	137.9 a
Undrained-burned	142.6 a	128.5 a	165.3 b	144.1 ab	142.0 ab	132.9 a
Drained-unburned	141.5 a	127.4 a	164.0 b	156.5 ab	128.0 a	131.4 a
Drained-burned	125.0 a	109.5 a	154.4 b	131.9 ab	111.8 a	117.2 a

Appendix 8. Basal shoot circumference (mm)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	62.9	54.6 a	77.9 b	73.7 b	55.9 a	52.4 a
Undrained	65.6 a	56.1 a	77.8 c	74.7 cb	63.3 ab	55.9 a
Drained	60.3 b	53.2 a	78.1 b	72.7 b	48.5 a	49.0 a
Unburned	64.9 a	57.0 a	76.7 b	80.8 b	57.0 a	53.0 a
Burned	61.0 a	52.2 a	79.2 c	66.7 b	54.8 a	51.9 a
Undrained-unburned	67.4 a	59.8 ab	74.9 bc	80.0 c	65.4 abc	57.0 a
Undrained-burned	63.7 a	52.4 a	80.7 c	69.5 bc	61.3 abc	54.7 ab
Drained-unburned	62.4 a	54.3 a	78.4 b	81.6 b	48.6 a	48.9 a
Drained-burned	58.1 a	52.1 a	77.7 b	63.1 ab	48.3 a	49.0 a

Appendix 9. Number of leaves per shoot

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	8.39	7.74 a	9.63 b	9.02 b	7.97 a	7.60 a
Undrained	8.42 a	7.84 a	9.31 b	8.81 ab	8.33 ab	7.80 a
Drained	8.37 a	7.63 a	9.95 b	9.24 b	7.60 a	7.40 a
Unburned	8.49 a	7.89 a	9.33 b	9.66 b	7.82 a	7.73 a
Burned	8.30 a	7.58 a	9.93 b	8.39 a	8.12 a	7.48 a
Undrained-unburned	8.71 a	8.24 a	9.33 a	9.49 a	8.30 a	8.17 a
Undrained-burned	8.13 a	7.44 a	9.28 b	8.13 ab	8.37 ab	7.43 a
Drained-unburned	8.26 a	7.54 a	9.33 b	9.84 b	7.33 a	7.29 a
Drained-burned	8.47 a	7.72 a	10.59 b	8.65 a	7.87 a	7.52 a

Appendix 10. Length of the assimilation period 0% (days)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	149.8	146.6 a	154.2 b	155.2 b	148.8 ab	143.9 a
Undrained	160.5 a	155.2 a	165.2 b	166.6 b	161.2 ab	154.3 a
Drained	139.0 b	138.1 ab	143.3 ab	143.9 b	136.5 ab	133.4 a
Unburned	155.2 a	153.6 ab	160.9 b	160.6 b	153.5 ab	147.7 a
Burned	144.3 b	139.7 a	147.6 ab	149.9 b	144.2 ab	140.1 a
Undrained-unburned	169.0 a	165.8 ab	173.7 b	176.0 b	168.4 ab	161.2 a
Undrained-burned	152.0 b	144.5 a	156.7 ab	157.1 b	154.0 ab	147.5 ab
Drained-unburned	141.5 a	141.3 a	148.0 a	145.2 a	138.6 a	134.1 a
Drained-burned	136.6 a	134.9 a	138.5 a	142.6 a	134.3 a	132.8 a

Appendix 11. Length of the assimilation period 50% (days)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	97.3	95.6 a	97.7 a	103.1 b	95.8 a	94.4 a
Undrained	108.5 a	105.5 a	108.0 a	115.0 b	107.6 a	106.2 a
Drained	86.2 b	85.6 ab	87.5 ab	91.2 b	84.1 a	82.6 a
Unburned	99.3 a	98.1 ab	100.0 ab	103.7 b	97.6 ab	97.1 a
Burned	95.3 b	93.0 a	95.5 a	102.5 b	94.0 a	91.7 a
Undrained-unburned	112.0 a	110.5 a	111.9 a	116.2 a	111.1 a	110.2 a
Undrained-burned	105.0 b	100.6 a	104.1 a	113.8 b	104.0 a	102.3 a
Drained-unburned	86.7 a	85.8 a	88.1 a	91.2 a	84.2 a	84.1 a
Drained-burned	85.7 a	85.5 ab	86.9 ab	91.2 b	84.0 ab	81.1 a

Appendix 12. Start of the assimilation period 0% (days after May 15)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	12.9	-	-	-	-	-
Undrained	9.5 a	-	-	-	-	-
Drained	16.3 b	-	-	-	-	-
Unburned	5.5 a	Assimilation period 0% started before fertilizers were applied				
Burned	20.3 b					
Undrained-unburned	0.0 a	-	-	-	-	-
Undrained-burned	19.0 b	-	-	-	-	-
Drained-unburned	11.0 a	-	-	-	-	-
Drained-burned	21.5 b	-	-	-	-	-

Appendix 13. Start of the assimilation period 50% (days after May 15)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	47.5	46.1 a	51.1 b	47.1 a	47.1 a	46.1 a
Undrained	42.6 a	41.1 a	46.3 a	41.4 a	43.1 a	41.1 a
Drained	52.4 b	51.0 ab	55.9 b	52.8 a	51.1 ab	51.2 ab
Unburned	43.7 a	42.4 ab	46.5 b	44.8 ab	43.6 ab	41.4 a
Burned	51.3 b	49.7 ab	55.6 b	49.4 a	50.7 ab	50.9 ab
Undrained-unburned	38.1 a	36.9 a	39.8 a	39.0 a	39.8 a	35.1 a
Undrained-burned	47.1 b	45.4 ab	52.9 b	43.7 a	46.4 ab	47.0 ab
Drained-unburned	49.4 a	47.9 a	53.3 a	50.6 a	47.3 a	47.7 a
Drained-burned	55.4 b	54.1 a	58.4 a	55.1 a	55.0 a	54.7 a

Appendix 14. Day after May 15 on which shoot height reached 71.1 cm

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	48.8	50.5 a	47.4 a	46.4 b	49.9 a	50.1 a
Undrained	41.8 a	42.8 a	42.0 a	39.2 a	42.0 a	43.0 a
Drained	55.9 b	58.2 a	52.8 a	53.6 a	57.7 a	57.1 a
Unburned	43.4 a	45.0 a	43.1 a	41.6 a	44.0 a	43.4 a
Burned	54.3 b	56.0 a	51.7 a	51.3 a	55.7 a	56.7 a
Undrained-unburned	36.4 a	36.7 a	36.6 a	35.1 a	37.2 a	36.3 a
Undrained-burned	47.2 b	48.9 a	47.4 a	43.3 a	46.8 a	49.6 a
Drained-unburned	50.4 a	53.2 a	49.5 a	48.1 a	50.7 a	50.5 a
Drained-burned	61.3 b	63.1 a	56.0 a	59.2 a	64.6 a	63.8 a

Appendix 15. Duration of senescence 50% (day after the onset of senescence, i.e. Aug. 14, on which yellowing was halfway through)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	53.8	50.6 a	57.8 b	59.2 b	52.0 a	49.5 a
Undrained	60.1 a	55.7 a	63.3 ab	65.4 b	59.7 ab	56.3 a
Drained	47.6 b	45.6 a	52.4 b	53.0 b	44.2 a	42.8 a
Unburned	52.1 a	49.5 ac	55.5 bc	57.5 b	50.2 abc	47.5 a
Burned	55.6 b	51.8 a	60.2 b	60.9 b	53.7 a	51.5 a
Undrained-unburned	59.1 a	56.3 ab	60.6 ab	64.3 b	60.0 ab	54.2 a
Undrained-burned	61.1 a	55.0 a	66.0 ab	66.6 b	59.5 ab	58.3 ab
Drained-unburned	45.0 a	42.7 ab	50.4 b	50.8 b	40.5 a	40.8 a
Drained-burned	50.2 b	48.6 ab	54.3 b	55.3 b	48.0 ab	44.7 a

Appendix 16. Duration of senescence 100% (day after the onset of senescence, i.e. Aug. 14, on which yellowing was complete)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	71.6	69.0 a	76.3 b	76.9 b	70.6 a	65.4 a
Undrained	79.0 a	73.7 a	83.7 b	85.1 b	79.7 ab	72.8 a
Drained	64.3 b	64.4 ab	68.9 b	68.7 b	61.4 a	58.0 a
Unburned	69.7 a	68.1 a	75.4 b	75.1 b	68.0 a	62.2 a
Burned	73.5 b	70.0 ab	77.2 bc	78.4 c	73.1 abc	68.7 a
Undrained-unburned	78.0 a	74.8 ab	82.7 b	85.0 b	77.5 ab	70.2 a
Undrained-burned	80.0 a	72.5 a	84.7 b	85.1 b	82.0 ab	75.5 ab
Drained-unburned	61.5 a	61.3 ab	68.0 b	65.2 b	58.6 ab	54.1 a
Drained-burned	67.1 a	67.5 ab	69.7 ab	72.3 b	64.2 ab	61.9 a

Appendix 17. Green height in percent of total height on Oct. 3

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	58.3	53.9 a	69.7 b	68.4 b	54.1 a	45.2 a
Undrained	72.6 a	65.4 a	80.8 a	76.8 a	72.5 a	67.4 a
Drained	44.0 b	42.4 ab	58.7 b	60.0 b	35.8 a	23.0 a
Unburned	53.4 a	50.0 ab	63.9 b	64.5 b	48.5 ab	39.9 a
Burned	63.2 b	57.7 ac	75.6 b	72.2 bc	59.7 ac	50.6 a
Undrained-unburned	71.1 a	67.8 a	75.7 a	74.7 a	72.9 a	64.6 a
Undrained-burned	74.0 a	63.0 a	85.8 a	78.9 a	72.0 a	70.3 a
Drained-unburned	35.6 a	32.3 abc	52.1 bc	54.3 c	24.2 ab	15.1 a
Drained-burned	52.3 a	52.4 ab	65.3 b	65.6 b	47.4 ab	31.0 a

Appendix 18. Susceptibility to drought (percent leaf die-back on June 19)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	4.6 a	2.0 a	6.8 b	3.8 ab	7.8 b	2.8 ab
Undrained	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a
Drained	9.2 b	5.6 a	13.6 b	7.3 ab	15.6 b	5.6 ab
Unburned	1.4 a	0.5 a	3.6 a	0.9 a	0.7 a	1.4 a
Burned	7.8 b	3.4 a	10.0 bc	6.4 ab	14.8 c	4.2 ab
Undrained-unburned	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a
Undrained-burned	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a
Drained-unburned	2.9 a	1.1 a	7.3 a	1.8 a	1.5 a	2.8 a
Drained-burned	15.6 a	6.9 a	19.9 bc	12.8 ab	29.7 c	8.4 ab

Appendix 19. Insect damage (percent infested shoots)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	10.57	10.49 a	10.93 a	11.12 a	8.76 a	11.55 a
Undrained	20.34 a	20.14 a	19.86 a	21.65 a	17.51 a	22.53 a
Drained	0.80 b	0.83 a	2.00 a	0.59 a	0.00 a	0.56 a
Unburned	12.57 a	12.70 a	15.46 a	14.11 a	6.70 a	13.86 a
Burned	8.57 b	8.27 a	6.40 a	8.13 a	10.81 a	9.23 a
Undrained-unburned	24.10 a	25.40 a	26.92 a	27.04 a	13.40 a	27.72 a
Undrained-burned	16.58 b	14.88 a	12.80 a	16.26 a	21.62 a	17.34 a
Drained-unburned	1.04 a	0.00 a	4.00 a	1.18 a	0.00 a	0.00 a
Drained-burned	0.56 a	1.66 a	0.00 a	0.00 a	1.12 a	0.00 a

Appendix 20. Typha shoot standing crop on June 19 (g dry wt/m²)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	26.1	24.8 a	24.1 a	21.5 a	34.2 a	25.6 a
Undrained	43.5 a	44.0 a	39.3 a	34.3 a	59.5 a	40.6 a
Drained	8.6 b	5.7 a	8.8 a	8.8 a	8.9 a	10.7 a
Unburned	37.2 a	37.0 a	35.6 a	29.2 a	49.4 a	35.0 a
Burned	14.9 b	12.7 a	12.6 a	13.9 a	19.0 a	16.3 a
Undrained-unburned	60.9 a	65.5 a	57.6 a	44.8 a	83.8 a	53.1 a
Undrained-burned	26.1 b	22.5 a	21.0 a	23.8 a	35.3 a	28.1 a
Drained-unburned	13.5 a	8.5 a	13.5 a	13.6 a	15.1 a	16.9 a
Drained-burned	3.7 b	2.9 a	4.2 a	4.0 a	2.7 a	4.5 a

Appendix 21. Typha shoot standing crop in Oct./Nov. (g dry wt/m²)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	527.4	345.7 a	800.1 b	642.0 b	427.5 a	421.8 a
Undrained	644.6 a	422.7 a	945.1 b	731.6 ab	580.2 ab	543.3 a
Drained	410.2 b	268.7 a	655.1 b	552.3 b	274.8 a	300.3 a
Unburned	548.3 a	353.3 a	839.2 b	636.2 ab	454.6 a	458.5 a
Burned	506.5 a	338.1 a	761.0 b	647.8 b	400.3 a	385.2 a
Undrained-unburned	650.7 a	443.9 a	1005.4 b	669.4 ab	602.4 ab	532.6 a
Undrained-burned	638.4 a	401.4 a	884.9 b	793.9 ab	557.9 ab	554.0 ab
Drained-unburned	445.9 a	262.6 a	673.0 c	603.1 bc	306.8 ab	384.3 ab
Drained-burned	374.5 a	274.7 ab	637.2 c	501.6 bc	242.8 a	216.3 a

**Appendix 22. Standing crop of plants other than Typha in Oct./Nov.
(g dry wt/m²)**

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	30.0	24.2 a	35.8 a	-	-	-
Undrained	50.0 a	43.2 a	56.8 b	-	-	-
Drained	10.0 b	5.2 a	14.8 a	-	-	-
Unburned	49.4 a	41.6 a	57.2 a	No measurements		
Burned	10.6 b	6.8 a	14.4 a	No measurements		
Undrained-unburned	93.2 a	72.8 a	113.6 a	-	-	-
Undrained-burned	6.8 b	13.6 a	0.0 b	-	-	-
Drained-unburned	5.6 a	10.4 a	0.8 a	-	-	-
Drained-burned	14.4 a	0.0 a	28.8 b	-	-	-

Appendix 23. Litter load in Oct./Nov. (g dry wt/m²)

Draining and burning treatments	Mean	Fertilizer treatments				
		C	NPL	N	P	L
Mean	427.7	399.4 a	456.0 a	-	-	-
Undrained	415.4 a	429.6 a	404.8 a	-	-	-
Drained	436.0 a	369.1 a	507.2 a	-	-	-
Unburned	684.9 a	601.2 a	768.6 a	No measurements		
Burned	170.6 b	197.6 a	143.5 a	No measurements		
Undrained-unburned	603.6 a	569.3 a	637.9 a	-	-	-
Undrained-burned	230.8 b	290.0 a	171.6 b	-	-	-
Drained-unburned	766.1 a	633.0 a	899.2 a	-	-	-
Drained-burned	110.3 b	105.2 a	115.4 a	-	-	-