

Variable	Summary
Run	Block (experimental feller buncher soil disturbance transect)
Passes	Number of passes performed by the feller buncher
Replicate	Replicate number of paired track/intertrack samples
Treatment	Track=feller buncher track; I=intertrack (between the feller buncher tracks)
Penetrometer.1	Soil surface penetration resistance (kg / mm ²); 1st replicate reading
Penetrometer.2	Soil surface penetration resistance (kg / mm ²); 2st replicate reading
Penetrometer.3	Soil surface penetration resistance (kg / mm ²); 3rd replicate reading
Torvane	Soil surface shear strength (kg / cm ²)
Litter.Depth	Litter depth (cm)
Trench.Depth	Depth of nearest indentation formed by the feller buncher tracks (cm)
Grass.Cover	Grass cover (%)
Shrub.Cover	Shrub cover (%)
Forb.Cover	Forb cover (%)
Moss.Cover	Moss cover (%)
Lichen.Cover	Lichen cover (%)
Pine.Litter.Cover	Pine litter cover (%)
Spruce.Litter.Cover	Spruce litter cover (%)
Forb.Litter.Cover	Forb litter cover (%)
Thatch.Cover	Thatch (senesced grass) cover (%)
Moss.Litter.Cover	Moss litter cover (%)
Bare.Ground.Cover	Bare ground cover (%)
Woody.Debris.Cover	Woody debris (mulch/slash) cover (%)
Sticks.Cover	Sticks cover (%)
Scat.Cover	Scat cover (%)
Bulk.Density.2-6	Soil dry bulk density of the 2-6 cm interval (g / cm ³)
Bulk.Density.9-13	Soil dry bulk density of the 9-13 cm interval (g / cm ³)
Bulk.Density.16-20	Soil dry bulk density of the 16-20 cm interval (g / cm ³)
Bulk.Density.23-27	Soil dry bulk density of the 23-27 cm interval (g / cm ³)
cp1.Bacterivores	Abundance of cp1 bacterivore nematodes (nematodes / g dry soil)
cp2.Bacterivores	Abundance of cp2 bacterivore nematodes (nematodes / g dry soil)
cp3.Bacterivores	Abundance of cp3 bacterivore nematodes (nematodes / g dry soil)
cp2.Plant.Associates	Abundance of cp2 plant associate nematodes (nematodes / g dry soil)
Herbivores	Abundance of herbivore nematodes (nematodes / g dry soil)
cp2.Fungivores	Abundance of cp2 fungivore nematodes (nematodes / g dry soil)
cp4.Bacterivores	Abundance of cp4 bacterivore nematodes (nematodes / g dry soil)
cp4.Predators	Abundance of cp4 predator nematodes (nematodes / g dry soil)
Dorylaimida	Abundance of nematodes in the order Dorylaimida (cp4 and cp5 omnivores, predators, and fungivores) (nematodes / g dry soil)
Total.Maturity.Indicators	Total abundance of maturity indicator nematodes (cp3, cp4, and cp5) (nematodes / g dry soil)
Total.Nematodes	Total abundance of nematodes (nematodes / g dry soil)

Run	Passes	Replicate	Treatment	Penetrometer.1	Penetrometer.2	Penetrometer.3	Torvane	Litter.Depth	Yench.Depth	Grass.Cover	Shrub.Cover	Forb.Cover	Moss.Cover	lichen.Cover	Litter.Cover	Litter.Cover	Litter.Cover	Thatch.Cover	Litter.Cover	round.Cover	Debris.Cover	Sticks.Cover	Scat.Cover	1.Density	2.Density	2.6	Density.9-13	unity.16-20	unity.23-27	Bacteriocytes	Bacteriocytes	Bacteriocytes	st.Associates	Herbivores	2.Fungivores	Bacteriocytes	p4.Predators	Dorylaimida	iv.Indicators	1.Nematodes
1	1	R1	I	1.5	0.6	0.85	NA	6	NA	50	0	0	0	0	0	0	0	0	60	0	0	0	0	NA	0.84	1.15	0.89	0.00	4.13	9.92	3.03	14.60	0.83	1.93	0.00	21.77	33.61	56.21		
1	1	R1	T	2.45	1.1	2.25	1.5	5	4	30	0	1	0	0	0	0	0	0	70	0	0	0	0	0	0.91	1.07	1.03	1.20	0.00	12.63	16.24	4.06	22.94	5.41	0.00	0.00	18.95	35.19	90.24	
1	1	R2	I	1.5	0.75	1.5	2	7	NA	80	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0.92	0.95	1.10	1.05	0.00	18.85	22.85	29.71	16.00	4.57	0.57	0.00	22.28	45.70	114.83	
1	1	R2	T	0	0	1.55	1.5	4	9	20	0	0	0	0	0	0	0	30	30	0	0	25	0	0	0.97	1.15	1.08	1.05	0.00	13.46	9.42	12.45	11.44	14.13	0.34	0.00	9.42	19.18	70.65	
1	1	R3	I	2.1	1.1	4.15	3	0	NA	20	0	1	10	4.15	5	0	11	0	2	5	0	80	0	5	0	0.88	1.05	0.99	1.05	0.00	4.03	9.57	8.70	20.89	4.35	0.87	0.00	13.35	23.79	62.67
1	1	R3	T	0.7	1.25	0.5	1	0	6	0	0	0	0	0	0	0	15	0	10	0	95	0	5	0	1.03	1.11	1.11	1.26	0.00	2.76	3.67	9.18	8.72	0.46	0.15	0.00	7.35	11.17	32.30	
1	3	R1	I	1.7	0.95	5	1.5	1.5	NA	5	0	0	0	20	10	0	30	0	10	0	20	0	10	0	0.93	0.93	0.75	0.99	0.00	5.93	24.49	0.26	1.55	0.00	0.00	6.44	12.37	51.55		
1	3	R1	T	1.65	2.95	1.1	1.5	3	3	0	0	0	2	20	2	0	40	0	0	0	40	0	0	0	0	0.95	1.06	1.00	1.04	5.50	36.28	20.92	25.32	2.20	1.10	1.10	0.00	23.67	45.69	110.10
1	3	R2	I	2.35	1.55	2.15	2	1	NA	5	0	5	60	0	0	0	10	0	10	0	20	0	0	0	0	0.95	0.94	0.88	0.88	0.00	1.34	14.69	19.37	1.56	2.00	0.00	0.00	6.01	20.70	44.97
1	3	R2	T	0	0.75	1.15	2	2	5	0	0	0	70	5	0	0	0	5	0	30	0	0	0	0	0	0.96	0.99	1.07	1.11	0.00	4.34	4.90	6.30	0.28	4.90	0.00	0.00	7.00	11.89	27.71
1	3	R3	I	1.75	5	2.45	1	3	NA	45	0	2	5	0	0	0	5	0	55	0	0	0	0	0	0	1.00	0.88	1.05	0.93	0.00	5.55	22.19	18.62	11.09	2.38	1.19	0.00	19.02	42.39	80.03
1	3	R3	T	1.15	1.4	0.85	1	3.5	7	10	0	2	20	0	0	0	0	0	30	0	60	0	0	0	0	0.99	0.93	1.08	1.08	0.00	11.88	18.53	31.36	4.28	3.33	1.90	0.00	20.91	41.34	92.19
1	9	R1	I	0.9	1.05	1.05	1.5	0	NA	20	0	5	20	0	0	0	0	0	0	0	70	0	0	0	0	1.00	1.00	0.78	0.97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1	9	R1	T	1.15	2.95	2.2	1.5	4.5	4	25	0	10	0	0	0	0	0	0	60	0	0	0	0	0	0	0.95	1.12	1.06	1.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1	9	R2	I	0.8	4.2	3.5	0.5	3	NA	45	5	0	0	10	0	0	0	0	60	0	0	0	0	0	0	1.00	1.08	0.91	0.82	0.00	9.20	12.48	14.78	7.55	0.66	0.33	0.00	21.02	33.83	66.02
1	9	R2	T	1.2	5	2.85	1	0.5	8.5	10	0	5	10	0	0	0	0	0	30	0	70	0	0	0	0	0.95	0.97	0.96	1.04	0.26	1.58	5.81	16.89	12.93	3.17	0.00	0.00	13.20	19.01	53.85
1	9	R3	I	3.4	1.5	1	1.5	10	NA	90	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0.99	1.00	0.94	1.00	0.00	5.62	5.19	46.27	16.43	3.03	0.86	0.00	12.54	18.60	89.95
1	9	R3	T	3.3	0.85	2.45	1.5	1.2	5	15	0	0	0	0	0	0	0	0	85	0	5	0	5	0	0	1.06	1.09	1.00	1.09	16.78	8.73	4.36	8.39	14.43	6.04	0.34	0.00	11.08	15.78	70.15
2	1	R1	I	1.5	2.2	1.5	NA	3	NA	20	0	0	10	10	40	0	0	50	0	0	0	0	0	0	1.04	1.05	0.93	1.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	1	R1	T	1.15	0.9	0.75	1	3	3	10	0	5	0	3	35	0	0	35	0	30	0	0	0	0	0	0.86	1.08	1.07	1.13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2	1	R2	I	2.65	1.8	2.5	1.5	3	NA	8	0	3	0	10	40	0	0	25	0	15	2	0	0	0	1.01	0.95	0.95	1.01	0.00	7.28	1.88	13.38	5.87	2.58	0.00	0.70	15.25	17.84	46.94	
2	1	R2	T	0.75	2.65	3.5	1	7	9	22	0	0	0	0	10	0	0	60	0	5	0	0	0	0	1.06	0.89	1.01	0.88	0.00	2.94	0.93	5.57	7.88	0.46	0.46	0.00	12.37	13.76	30.61	
2	1	R3	I	0.7	0.7	2.25	1.5	0	NA	30	0	0	5	2	15	0	0	25	0	40	0	0	0	0	0	0.86	0.99	0.97	0.90	0.00	11.70	19.95	3.72	0.27	1.06	0.00	14.36	16.49	52.13	
2	1	R3	T	1.3	1.25	1.2	1	1.5	6	15	0	10	5	8	20	0	0	30	0	10	0	0	0	0	0	0.99	1.07	1.10	1.09	0.19	1.48	0.19	14.26	4.26	3.52	0.00	0.00	12.22	12.41	36.11
2	3	R1	I	1.3	2.65	2.6	2	2.5	NA	0	0	5	35	10	15	15	0	35	0	0	0	0	0	0	0.91	1.10	0.89	0.99	0.00	5.74	2.23	13.40	6.70	0.00	0.32	0.00	35.09	37.64	63.49	
2	3	R1	T	0.6	0	0	1	0	3	0	0	0	0	1	15	0	10	0	6	65	0	4	0	0	0	0.90	1.09	1.10	1.16	0.31	5.22	0.94	7.21	1.25	1.57	0.73	0.00	5.01	6.69	22.25
2	3	R2	I	1.75	0	1.25	1	0	6	5	2.25	0	0	10	15	0	0	15	15	0	0	20	0	0	0	1.08	1.03	1.01	1.20	0.00	6.12	4.40	23.24	2.20	0.73	0.00	13.21	17.62	49.91	
2	3	R2	T	1.75	0	1.25	1	0	6	5	2.25	0	0	10	15	0	0	15	15	0	0	20	0	0	0	NA	0.99	0.81	1.07	0.00	6.14	18.41	6.90	0.00	4.86	1.53	0.00	11.25	31.19	49.09
2	3	R3	I	1.7	2.45	2.25	1.5	1	NA	2	0	10	40	0	20	5	0	20	0	10	0	0	0	0	0	1.09	1.03	0.96	1.06	0.00	1.99	3.31	10.26	6.46	1.66	0.50	0.00	9.93	13.74	34.11
2	3	R3	T	0.9	2.3	0.9	0.5	1	6	0	0	10	0	30	0	0	0	20	0	50	0	0	5	2	0	1.19	1.06	1.13	0.90	0.00	6.82	20.78	11.17	0.31	3.10	3.72	0.00	14.89	39.40	60.80
2	9	R1	I	2.3	3.85	0.1	2.5	3	NA	0	0	0	0	20	80	0	0	0	0	0	0	0	0	0	0	0.87	1.37	0.92	0.96	0.86	30.49	6.87	10.31	5.15	13.31	1.72	0.00	23.19	31.78	91.90
2	9	R1	T	0	0	0.55	0.5	3.5	2	0	0	0	0	0	10	20	0	0	80	0	10	0	10	0	0	1.08	1.11	1.13	1.11	0.00	14.96	4.44	49.72	15.40	3.96	1.32	0.00	9.24	11.00	95.04
2	9	R2	I	2.55	1.75	3	5	NA	0	0	0	70	0	5	5	0	90	0	0	0	0	5	0	0	0	0.75	1.05	0.75	1.02	0.00	52.87	8.89	14.82	0.00	0.49	7.41	0.00	14.82	31.13	99.31
2	9	R2	T	0	0	0.9	1.5	1	2	0	0	0	5	10	10	0	0	5	0	90	50	0	0	0	0	0.81	1.13	1.20	1.16	0.43	3.46	1.59	5.48	0.29	2.88	0.29	0.00	4.18	6.06	18.60
2	9	R3	I	1.3	2	4.65	1.5	3	NA	2	0	0	90	5	30	10	0	0	0	0	0	0	0	0	0	0.85	1.02	0.88	0.97	0.00	3.73	3.20	12.45	1.07	1.78	0.71	0.00	6.94	10.85	29.87
2	9	R3	T	0.75	1.1	0.8	0.5	0	9	0	0	5	5	0	10	0	0	0	0	90	0	0	0	0	0	1.15	1.21	1.27	1.27	0.07	1.66	0.69	3.80	1.18	2.63	0.07	0.07	3.74	4.57	13.91
3	1	R1	I	4.45	2.2	0.75	2.5	0.5	NA	10	0	10	20	20	0	10	10	10	20	0	0	0	0	0	0	1.13	0.99	0.92	0.99	0.00	9.81	27.09	15.88	6.54	1.40	2.80	0.00	36.43	66.33	99.96
3	1	R1	T	1.75	4.1	1.1	1.5	1.5	4	0	0	0	20	0	30	0	0	0	0	40	20	0	0	0	0	0.77	1.15	0.84	1.01	0.00	13.04	19.56	17.23	14.90	2.33	0.47	0.00	35.86	55.89	102.39
3	1	R2	I	5	4.7	2.65	1.5	2	NA	20	0	0	0	0	60	0	0	10	10	0	15	0	0	0	0	0.69	0.97	0.57	0.87	0.00	5.37	18.00	17.68	0.32	1.26	0.32	0.00	19.26	37.57	63.20
3	1	R2	T	5	5	5	3	0	4	0	0	5	40	5	30	0	0	0																						