

## Summary of data available for Nash's Field experiment (plots K-S)

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- **Plot type** "all" means 4 treatments: spr.mol, ins.pel, spr.pel and ins.mol (see codes in table PLOTTYPE below)
- **Plot** "all" means 8 plots: k, l, m, n, p, q, r, s. if **Plot.type** is given then means ins.mol (k, l), spr.mol (m,q), spr.pel (s,r), ins.pel (n,p)
- **Fencing** "all" means 2 treatments: fenced and rabbit (unfenced)
- **Lime** "all" means 2 treatments: limed and unlimed
- **Herbicide** "all" means 3 treatments: control (no herbicide), min.grass (grass species removed with herbicide), min.herb (herb species removed with herbicide)
- **Nutrients** "all" means 12 treatments: no.nutr, plus.k, plus.mg, plus.n, plus.p, plus.pk, min.pk, min.k, min.mg, min.p, min.n, all.nutr (see codes in table MINTREAT below)
- Whether or not measures of bare soil cover, dead organic material biomass or cover and bryophyte biomass or cover was measure is included in columns "**bare**", "**dom**" and "**bryo**" respectively.
- **Data type**: biomass and cover mean aboveground dry biomass or percentage cover of each plant species present in a 2x2 m plot respectively. Species means presence of species in a 2x2m plot. Total biomass means dry or wet aboveground biomass of all species combined in plot.

Please refer to the metadata file for this experiment for details on treatments and data collection. File: NashKS\_metadata.pdf

Year	Plot.type	Plot	Fencing	Lime	Herbicide	Nutrients	bare	dom	bryo	Data type	# sampled plot units (2 x 2m)
1992	all	all	fenced	all	all	all.nutr, no.nutr	no	no	no	biomass	96
1993	all	all	all	all	control	all	no	no	no	biomass	384
1994	all	all	all	all	control	all	no	yes	no	biomass	384
1994	all	all	all	all	min.grass	all	no	yes	no	biomass	384
1994	ins.mol	k	fenced	limed	min.herb	all.nutr, min.n, min.pk, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	7
1994	ins.mol	k	fenced	unlimed	min.herb	all.nutr, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	6
1994	ins.mol	k	rabbit	limed	min.herb	all.nutr, min.n, min.p, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	7
1994	ins.mol	k	rabbit	unlimed	min.herb	all.nutr, min.n, no.nutr, plus.k, plus.n	no	yes	no	biomass	5
1994	ins.mol	l	fenced	limed	min.herb	all.nutr, min.k, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	7
1994	ins.mol	l	fenced	unlimed	min.herb	all.nutr, min.n, min.p, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	7
1994	ins.mol	l	rabbit	limed	min.herb	all.nutr, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	6
1994	ins.mol	l	rabbit	unlimed	min.herb	all.nutr, min.mg,	no	yes	no	biomass	6

						min.n, no.nutr, plus.k, plus.n					
1994	ins.pel	n	fenced	limed	min.herb	all	no	yes	no	biomass	12
1994	ins.pel	n	fenced	unlimed	min.herb	all	no	yes	no	biomass	12
1994	ins.pel	n	rabbit	limed	min.herb	all.nutr, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	6
1994	ins.pel	n	rabbit	unlimed	min.herb	all.nutr, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	6
1994	ins.pel	p	fenced	limed	min.herb	all.nutr, min.k, min.n, min.p, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	8
1994	ins.pel	p	fenced	unlimed	min.herb	all.nutr, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	6
1994	ins.pel	p	rabbit	limed	min.herb	all.nutr, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	6
1994	ins.pel	p	rabbit	unlimed	min.herb	all.nutr, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	6
1994	spr.mol	m	fenced	limed	min.herb	all	no	yes	no	biomass	12
1994	spr.mol	m	fenced	unlimed	min.herb	all	no	yes	no	biomass	12
1994	spr.mol	m	rabbit	limed	min.herb	all.nutr, min.mg, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	7
1994	spr.mol	m	rabbit	unlimed	min.herb	all.nutr, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	6
1994	spr.mol	q	fenced	limed	min.herb	all.nutr, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	6
1994	spr.mol	q	fenced	unlimed	min.herb	all.nutr, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	6
1994	spr.mol	q	rabbit	limed	min.herb	all.nutr, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	6
1994	spr.mol	q	rabbit	unlimed	min.herb	all.nutr, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	6
1994	spr.pel	r	fenced	limed	min.herb	all.nutr, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	6
1994	spr.pel	r	fenced	unlimed	min.herb	all.nutr, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	6
1994	spr.pel	r	rabbit	limed	min.herb	all.nutr, min.k, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	7
1994	spr.pel	r	rabbit	unlimed	min.herb	all.nutr, min.k, min.n, no.nutr, plus.n, plus.p	no	yes	no	biomass	6
1994	spr.pel	s	fenced	limed	min.herb	all.nutr, min.n, no.nutr, plus.k,	no	yes	no	biomass	6

						plus.n, plus.p					
1994	spr.pel	s	fenced	unlimed	min.herb	all.nutr, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	6
1994	spr.pel	s	rabbit	limed	min.herb	all.nutr, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	6
1994	spr.pel	s	rabbit	unlimed	min.herb	all.nutr, min.n, no.nutr, plus.k, plus.n, plus.p	no	yes	no	biomass	6
1995	all	all	all	all	all	all.nutr, no.nutr	no	yes	no	biomass	192
1996	all	all	all	all	all	all.nutr, min.n, no.nutr, plus.n	no	yes	yes	biomass	384
1997	all	all	all	all	all	all	no	yes	no	biomass	1152
1998	all	all	all	all	control	all.nutr, no.nutr	no	yes	yes	biomass	64
1999	all	all	all	unlimed	control	all.nutr, min.k, min.mg, min.n, min.p, no.nutr, plus.k, plus.n, plus.p	no	yes	yes	biomass	144
2000	all	all	all	all	all	all	no	yes	yes	biomass	1152
2000	all	all	all	all	all	all	yes	no	yes	cover	1152
2001	all	all	all	unlimed	all	min.mg, plus.mg	yes	yes	yes	cover	96
2004	all	all	all	unlimed	all	all.nutr, no.nutr, plus.k, plus.n, plus.p, plus.pk	yes	yes	yes	cover	288
2004	all	all	all	unlimed	control	All.nutr, no. nutr, plus.k, plus.n	no	yes	yes	biomass	64
2005	all	all	all	all	all	all	yes	yes	yes	cover	1152
2006	all	all	all	all	all	all	yes	yes	yes	cover	1152
2006	all	all	all	limed	control	all.nutr, plus.k, plus.mg, plus.n, no.nutr, plus.p	no	yes	yes	biomass	96
2006	all	all	all	unlimed	control	all	no	yes	yes	biomass	192
2006	all	all	all	unlimed	min.grass	all.nutr, no nutr	no	yes	yes	biomass	32
2006	all	all	all	unlimed	min.herb	all.nutr, no nutr	no	yes	yes	biomass	32
2007	all	all	all	all	all	all	no	no	no	Soil pH	1152
2008	all	all	all	all	all	all.nutr, no.nutr	yes	yes	yes	cover	192
2012	ins.mol	all	all	all	all	all	no	no	no	cover	288
2012	ins.pel	all	all	all	all	all	no	no	no	cover	288
2012	spr.mol	all	all	all	all	all	no	no	no	cover	288
2012	spr.pel	r	all	all	all	all	no	no	no	cover	144
2012	spr.pel	s	fenced	limed	control	all	no	no	no	cover	12
2012	spr.pel	s	fenced	unlimed	min.herb	all	no	no	no	cover	12
2012	spr.pel	s	rabbit	limed	min.herb	all	no	no	no	cover	12
2012	spr.pel	s	rabbit	unlimed	min.grass	all	no	no	no	cover	12
2013	all	all	all	all	control	all.nutr, no.nutr	no	yes	yes	biomass	64
2018	ins.mol	all	fenced	all	control	all	no	no	no	Species, total biomass	48

2018	ins.mol	all	fenced	all	min.herb	all	no	no	no	Species, total biomass	48
2018	ins.mol	l	rabbit	unlimed	min.grass	all.nutr, no.nutr	no	no	no	total biomass	2
2018	spr.pel	r	fenced	all	control	all	no	no	no	Species, total biomass	24
2018	spr.pel	r	fenced	all	min.herb	all	no	no	no	Species, total biomass	24
2019	all	all	all	all	all	(random)	no	no	no	soil pH	96
2019	all	all	all	all	all	all	yes	no	no	cover	1152
2019	ins.mol	all	fenced	all	all	all.nutr, no.nutr, min.mg	no	no	no	total biomass	36
2019	ins.mol	l	fenced	unlimed	control	plus.k, plus.n, plus.p	no	no	no	total biomass	3
2019	ins.mol	l	rabbit	unlimed	control	all.nutr, no nutr, plus.k, plus.n, plus.p	no	no	no	total biomass	5
2019	spr.pel	r	fenced	all	all	all.nutr, no.nutr, min.mg	no	no	no	total biomass	18
2019	spr.pel	s	fenced	unlimed	control	all.nutr, no.nutr, plus.k, plus.n, plus.p	no	no	no	total biomass	5
2023	ins.pel	all	all	all	all	no.nutr	yes	no	no	cover	12
2023	ins.mol	all	all	all	all	no.nutr	yes	no	no	cover	12

Table PLOTTYPE

Treatment	Code	Plot name
Insecticide spray	spr.mol	m
Insecticide spray	spr.mol	q
Molluscicide pellets	ins.pel	n
Molluscicide pellets	ins.pel	p
Insecticide spray and molluscicide pellets	spr.pel	s
Insecticide spray and molluscicide pellets	spr.pel	r
Nothing applied	ins.mol	l
Nothing applied	ins.mol	k

Table: MINTREAT

Treatment	Code	Minerals applied
No nutrients	no.nutr	none
Plus K	plus.k	K
Plus Mg	plus.mg	Mg
Plus N	plus.n	N
Plus P	plus.p	P
Plus P, K	plus.pk	P, K
Minus P, K	min.pk	N, Mg
Minus K	min.k	N, Mg, P

Minus Mg	min.mg	N, P, K
Minus P	min.p	N, K, Mg
Minus N	min.n	K, Mg, P
All nutrients	all.nutr	N, Mg, P, K