

Judy Hendryx

From: Nicsneider@aol.com
Sent: Friday, September 24, 1999 2:38 PM
To: judy@cnr.colostate.edu
Cc: mark@cnr.colostate.edu
Subject: X-site

Hi Judy

Thanks so much for your support and encouragement. I'm really glad that other researchers are so supportive of my future involvement with LTER. Mark also spoke to Bill about the idea.

We did clip the Croos-site plots this year. I will send you those coordinates from Mark's computer. There were 8 or 10 plots on each block (8 blocks).

Also for GZTX clipping sites 7, 5a and 5b needed additional clipped plots. This is because these sites also have the Rodent Exclosures (labeled ROUN). Dan Milchunas wanted seven plots clipped within each ROUN and then two additional plots clipped in each grazing treatment of 7, 5A and 5B. (UNUN, GZUN, UNGZ, GZGZ).

The problem: We did not install additional cages in the grazed treatments to clip two additional plots.

The Solution: We clipped two 1/4 m² circles under two random cages in the grazed treatments (GZGZ and UNGZ). This gave use two additional plots. (2+2+1+1=6)

In 7, some cages were smaller and we could not fit two circle under the cages. So, we clipped 1 1/2 circles under two cages. This gave us three plots. Then a larger cage had two circles clipped, giving us two plots. Then the last plot was clipped as one circle under one cage. (3+2+1 = 6)

In the ungrazed treatments (UNUN and GZUN), we just randomly chose six coordinates, because there were no cages to keep the cattle out.

This may sound confusing. I hope it makes sense. When I give you the check off sheet I will also make a note as to what is going on and how we labeled it all on the bags.

Feel free to call me out at the site if you want talk about it.

Thanks Again,
Nicole

1999 GZTX Clipped Plots:
Site(s): 5A AND 5B

5A GZTX Treatment	Plot Number	Coordinate	Plot Type	5B GZTX Treatment	Plot Number	Coordinate	Plot Type
UNUN	1	56, 8	NPP	UNUN	1	60, 09	NPP
UNUN	2	61, 25	NPP	UNUN	2	61, 34	NPP
UNUN	3	27, 10	NPP	UNUN	3	60, 39	NPP
UNUN	4	50, 29	NPP	UNUN	4	60, 29	NPP
UNUN	5	56, 15	NPP	UNUN	5	61, 17	NPP
UNUN	6	27, 03	NPP	UNUN	6	60, 14	NPP
GZUN	1	48, 28	NPP	GZUN	1	48, 28	NPP
GZUN	2	28, 54	NPP	GZUN	2	28, 54	NPP
GZUN	3	03, 31	NPP	GZUN	3	03, 31	NPP
GZUN	4	29, 33	NPP	GZUN	4	29, 33	NPP
GZUN	5	50, 20	NPP	GZUN	5	50, 20	NPP
GZUN	6	35, 30	NPP	GZUN	6	35, 30	NPP
UNGZ	1	62, 28	NPP	UNGZ	1-1	28, 31-1	NPP
UNGZ	2	56, 12	NPP	UNGZ	1-2	28, 31-2	NPP
UNGZ	3-1	19, 25-1	NPP	UNGZ	2-1	33, 36-1	NPP
UNGZ	3-2	19, 25-2	NPP	UNGZ	2-1	33, 36-2	NPP
UNGZ	4-1	16, 10-1	NPP	UNGZ	3	22, 03	NPP
UNGZ	4-2	16, 10-2	NPP	UNGZ	4	10, 16	NPP
UNGZ	1	58, 28	UTIL	UNGZ	1-1	32, 31-1	UTIL
UNGZ	2	60, 12	UTIL	UNGZ	1-2	32, 31-2	UTIL
UNGZ	3-1	23, 25-1	UTIL	UNGZ	2-1	37, 36-1	UTIL
UNGZ	3-2	23, 25-2	UTIL	UNGZ	2-2	37, 36-2	UTIL
UNGZ	4-1	20, 10-1	UTIL	UNGZ	3	26, 03	UTIL
UNGZ	4-2	20, 10-2	UTIL	UNGZ	4	14, 16	UTIL
GZGZ	1 -1	28, 51-1	NPP	GZGZ	1 -1	28, 51-1	NPP
GZGZ	1-2	28, 51-2	NPP	GZGZ	1-2	28, 51-2	NPP
GZGZ	2	20, 32	NPP	GZGZ	2	29, 30	NPP
GZGZ	3	52, 57	NPP	GZGZ	3-1	52, 57-1	NPP
GZGZ	4-1	19, 49-1	NPP	GZGZ	3-2	52, 57-2	NPP
GZGZ	4-2	19, 49-2	NPP	GZGZ	4	19, 49	NPP
GZGZ	1-1	32, 51-1	UTIL	GZGZ	1-1	32, 51-1	UTIL
GZGZ	1-2	32, 51-2	UTIL	GZGZ	1-2	32, 51-2	UTIL
GZGZ	2	24, 32	UTIL	GZGZ	2	33, 30	UTIL
GZGZ	3	56, 57	UTIL	GZGZ	3-1	52, 53-1	UTIL
GZGZ	4-1	23, 49-1	UTIL	GZGZ	3-2	52, 53-2	UTIL
GZGZ	4-2	23, 49-2	UTIL	GZGZ	4	23, 49	UTIL
ROUN	1	06, 29	NPP	ROUN	1	06, 29	NPP
ROUN	2	23, 21	NPP	ROUN	2	23, 21	NPP
ROUN	3	09, 17	NPP	ROUN	3	09, 17	NPP
ROUN	4	11, 07	NPP	ROUN	4	11, 07	NPP
ROUN	5	15, 26	NPP	ROUN	5	15, 26	NPP
ROUN	6	19, 21	NPP	ROUN	6	19, 21	NPP
ROUN	7	03, 21	NPP	ROUN	7	03, 21	NPP

Note: Plot numbers and coordinates with -1 or -2 are from when two clipped plots were taken from under one cage location. UTIL plot numbers and coordinates correspond with the caged NPP plot numbers and coordinates.

1999 GZTX Clipped Plots:

Site(s): 07C

NOTE: Plot numbers and coordinates with -1 or -2 are from when two clipped plots were taken from under one cage location. UTIL plot numbers and coordinates correspond with the caged NPP plot numbers and coordinates. For GZGZ (Plot 4-2), two full plots could not be clipped under one cage. So, 1 1/2 plot were clipped under cages locations Plot 1 (28, 51) and Plot 4 (19, 49). (Plot 4-2 = (19, 49) 1/2-1 and (28, 51) 1/2-2). Two Util plots were clipped adjacent to Plot 4-1 (19, 49) NPP. (Plot 4-1 (23,49)-1 Util and Plot 4-2 (23,49)-2 Util).

07C GZTX Treatment	Plot Number	Coordinate	Plot Type	
UNUN	1	09, 60	NPP	
UNUN	2	34, 61	NPP	
UNUN	3	39, 60	NPP	
UNUN	4	29, 60	NPP	
UNUN	5	17, 61	NPP	
UNUN	6	14, 60	NPP	
GZUN	1	48, 28	NPP	
GZUN	2	28, 54	NPP	
GZUN	3	03, 31	NPP	
GZUN	4	29, 33	NPP	
GZUN	5	50, 20	NPP	
GZUN	6	35, 30	NPP	
UNGZ	1-1	08, 32-1	NPP	
UNGZ	1-2	08, 32-2	NPP	
UNGZ	2	11, 30	NPP	
UNGZ	3	14, 37	NPP	
UNGZ	4-1	12, 49-1	NPP	
UNGZ	4-2	12, 49-2	NPP	
UNGZ	1-1	12, 32-1	UTIL	
UNGZ	1-2	12, 32-2	UTIL	
UNGZ	2	15, 30	UTIL	
UNGZ	3	18, 37	UTIL	
UNGZ	4-1	16, 49-1	UTIL	
UNGZ	4-2	16, 49-2	UTIL	
GZGZ	1	28, 51	NPP	
GZGZ	2-1	29, 30-1	NPP	
GZGZ	2-2	29, 30-2	NPP	
GZGZ	3	52, 57	NPP	sample bag was found with other samples in 5 a or b
GZGZ	4-1	19, 49-1	NPP	
GZGZ	4-2	(19, 49)1/2 -1	NPP	clipped material combined in one bag
GZGZ	4-2	(28, 51)1/2 -2	NPP	
GZGZ	1	32, 51	UTIL	
GZGZ	2-1	33, 30-1	UTIL	
GZGZ	2-2	33, 30-2	UTIL	
GZGZ	3	56, 57	UTIL	
GZGZ	4-1	23, 49-1	UTIL	
GZGZ	4-2	23, 49-2	UTIL	
ROUN	1	06, 29	NPP	
ROUN	2	23, 21	NPP	
ROUN	3	09, 17	NPP	
ROUN	4	11, 07	NPP	
ROUN	5	15, 26	NPP	
ROUN	6	19, 21	NPP	
ROUN	7	03, 21	NPP	

GZTX CLIPPED PLOTS

Year: 1999

Site(s): 19

[illegible]

GZTX CLIPPED PLOTS

Year: 1999

Site(s): 24, 11

[illegible]

1999 GZTX Clipped Plots:

Site 5A

Note: This is a record which shows **field labeling** for the 1999 GZTX Clipped Plots for Site 5A and corresponding **lab labeling** for the same plots.

Key for Treatment labels:

Field	Lab	Definition
GZGZ	GG	Grazed/Grazed
GZUG	GU	Grazed/Ungrazed
ROUN	RU	Rodent Ungrazed
UNGZ	UG	Ungrazed/Grazed
UNUN	UU	Ungrazed/Ungrazed

FIELD LABELING				LAB LABELING			
Treatment	Plot #	(X,Y)	Plot Type	Treatment	Plot #	(X,Y)	Plot Type
GZGZ	1-1	28,51-1	NPP	GG	1	28,51	NPP
GZGZ	2	20,32	NPP	GG	2	20,32	NPP
GZGZ	3	52,57	NPP	GG	3	52,57	NPP
GZGZ	4-1	19,49-1	NPP	GG	4	19,49	NPP
GZGZ	1-2	28,51-2	NPP	GG	5	28,52	NPP
GZGZ	4-2	19,49-2	NPP	GG	6	19,50	NPP
GZGZ	1-1	32,51-1	UTIL	GG	1	32,51	UTIL
GZGZ	2	24,32	UTIL	GG	2	24,32	UTIL
GZGZ	3	56,57	UTIL	GG	3	56,57	UTIL
GZGZ	4-1	23,49-1	UTIL	GG	4	23,49	UTIL
GZGZ	1-2	32,51-2	UTIL	GG	5	32,52	UTIL
GZGZ	4-2	23,49-2	UTIL	GG	6	23,50	UTIL
GZUN	1	48,28	NPP	GU	1	48,28	NPP
GZUN	2	28,54	NPP	GU	2	28,54	NPP
GZUN	3	03,31	NPP	GU	3	03,31	NPP
GZUN	4	29,33	NPP	GU	4	29,33	NPP
GZUN	5	50,20	NPP	GU	5	50,20	NPP
GZUN	6	35,30	NPP	GU	6	35,30	NPP
ROUN	1	06,29	NPP	RU	1	06,29	NPP
ROUN	2	23,21	NPP	RU	2	23,21	NPP
ROUN	3	09,17	NPP	RU	3	09,17	NPP
ROUN	4	11,07	NPP	RU	4	11,07	NPP
ROUN	5	15,26	NPP	RU	5	15,26	NPP
ROUN	6	19,21	NPP	RU	6	19,21	NPP
ROUN	7	03,21	NPP	RU	7	03,21	NPP

1999 GZTX Clipped Plots:**Site 5A**

Note: This is a record which shows **field labeling** for the 1999 GZTX Clipped Plots for Site 5A and corresponding **lab labeling** for the same plots.

Key for Treatment labels:

Field	Lab	Definition
GZGZ	GG	Grazed/Grazed
GZUG	GU	Grazed/Ungrazed
ROUN	RU	Rodent Ungrazed
UNGZ	UG	Ungrazed/Grazed
UNUN	UU	Ungrazed/Ungrazed

FIELD LABELING				LAB LABELING			
Treatment	Plot #	(X, Y)	Plot Type	Treatment	Plot #	(X,Y)	Plot Type
UNGZ	1	62,28	NPP	UG	1	62,28	NPP
UNGZ	2	56,12	NPP	UG	2	56,12	NPP
UNGZ	3-1	19,25-1	NPP	UG	3	19,25	NPP
UNGZ	4-1	16,10-1	NPP	UG	4	16,10	NPP
UNGZ	3-2	19,25-2	NPP	UG	5	19,26	NPP
UNGZ	4-2	16,10-2	NPP	UG	6	16,11	NPP
UNGZ	1	58,28	UTIL	UG	1	58,28	UTIL
UNGZ	2	60,12	UTIL	UG	2	60,12	UTIL
UNGZ	3-1	23,25-1	UTIL	UG	3	23,25	UTIL
UNGZ	4-1	20,10-1	UTIL	UG	4	20,10	UTIL
UNGZ	3-2	23,25-2	UTIL	UG	5	23,26	UTIL
UNGZ	4-2	20,10-2	UTIL	UG	6	20,11	UTIL
UNUN	1	56,08	NPP	UU	1	56,08	NPP
UNUN	2	61,25	NPP	UU	2	61,25	NPP
UNUN	3	27,10	NPP	UU	3	27,10	NPP
UNUN	4	50,29	NPP	UU	4	50,29	NPP
UNUN	5	56,15	NPP	UU	5	56,15	NPP
UNUN	6	27,03	NPP	UU	6	27,03	NPP

1999 GZTX Clipped Plots:

Site 5B

Note: This is a record which shows **field labeling** for the 1999 GZTX Clipped Plots for Site 5B and corresponding **lab labeling** for the same plots.

Key for Treatment labels:

Field	Lab	Definition
GZGZ	GG	Grazed/Grazed
GZUG	GU	Grazed/Ungrazed
ROUN	RU	Rodent Ungrazed
UNGZ	UG	Ungrazed/Grazed
UNUN	UU	Ungrazed/Ungrazed

+ Found on Biomass list & Revised

FIELD LABELING				LAB LABELING			
Treatment	Plot #	(X,Y)	Plot Type	Treatment	Plot #	(X,Y)	Plot Type
GZGZ	✓ 1-1	28,51-1	NPP	GG	✓ 1	28,51	NPP
GZGZ	✓ 2	29,30	NPP	GG	✓ 2	29,30	NPP
GZGZ	✓ 3-1	52,57-1	NPP	GG	✓ 3	52,57	NPP
GZGZ	✓ 4	19,49	NPP	GG	✓ 4	19,49	NPP
GZGZ	✓ 1-2	28,51-2	NPP	GG	✓ 5	28,52	NPP
GZGZ	✓ 3-2	52,57-2	NPP	GG	✓ 6	52,58	NPP
GZGZ	✓ 1-1	32,51-1	UTIL	GG	✓ 1	32,51	UTIL
GZGZ	✓ 2	33,30	UTIL	GG	✓ 2	33,30	UTIL
GZGZ	✓ 3-1	52,53-1	UTIL	GG	✓ 3	52,53	UTIL
GZGZ	✓ 4	23,49	UTIL	GG	✓ 4	23,49	UTIL
GZGZ	✓ 1-2	32,51-2	UTIL	GG	✓ 5	32,52	UTIL
GZGZ	✓ 3-2	52,53-2	UTIL	GG	✓ 6	52,54	UTIL
GZUN	✓ 1	48,28	NPP	GU	✓ 1	48,28	NPP
GZUN	✓ 2	28,54	NPP	GU	✓ 2	28,54	NPP
GZUN	✓ 3	03,31	NPP	GU	✓ 3	03,31	NPP
GZUN	✓ 4	29,33	NPP	GU	✓ 4	29,33	NPP
GZUN	✓ 5	50,20	NPP	GU	✓ 5	50,20	NPP
GZUN	✓ 6	35,30	NPP	GU	✓ 6	35,30	NPP
ROUN	✓ 1	06,29	NPP	RU	✓ 1	06,29	NPP
ROUN	✓ 2	23,21	NPP	RU	✓ 2	23,21	NPP
ROUN	✓ 3	09,17	NPP	RU	✓ 3	09,17	NPP
ROUN	✓ 4	11,07	NPP	RU	✓ 4	11,07	NPP
ROUN	✓ 5	15,26	NPP	RU	✓ 5	15,26	NPP
ROUN	✓ 6	19,21	NPP	RU	✓ 6	19,21	NPP
ROUN	✓ 7	03,21	NPP	RU	✓ 7	03,21	NPP

Site 5B

Note: This is a record which shows **field labeling** for the 1999 GZTX Clipped Plots for Site 5B and corresponding **lab labeling** for the same plots.

Key for Treatment labels:

Field	Lab	Definition
GZGZ	GG	Grazed/Grazed
GZUG	GU	Grazed/Ungrazed
ROUN	RU	Rodent Ungrazed
UNGZ	UG	Ungrazed/Grazed
UNUN	UU	Ungrazed/Ungrazed

- Means - found on original handwritten weight list for "546".

FIELD LABELING				LAB LABELING			
Treatment	Plot #	(X, Y)	Plot Type	Treatment	Plot #	(X,Y)	Plot Type
UNGZ	1-1	28,31-1	NPP	UG	1	28,31	NPP
UNGZ	2-1	33,36-1	NPP	UG	2	33,36	NPP
UNGZ	3	22,03	NPP	UG	3	22,03	NPP
UNGZ	4	10,16	NPP	UG	4	10,16	NPP
UNGZ	1-2	28,31-2	NPP	UG	5	28,32	NPP
UNGZ	2-2	33,36-2	NPP	UG	6	33,37	NPP
UNGZ	1-1	32,31-1	UTIL	UG	1	32,31	UTIL
UNGZ	2-1	37,36-1	UTIL	UG	2	37,36	UTIL
UNGZ	3	26,03	UTIL	UG	3	26,03	UTIL
UNGZ	4	14,16	UTIL	UG	4	14,16	UTIL
UNGZ	1-2	32,31-2	UTIL	UG	5	32,32	UTIL
UNGZ	2-2	37,36-2	UTIL	UG	6	37,37	UTIL
UNUN	1	60,09	NPP	UU	1	60,09	NPP
UNUN	2	61,34	NPP	UU	2	61,34	NPP
UNUN	3	60,39	NPP	UU	3	60,39	NPP
UNUN	4	60,29	NPP	UU	4	60,29	NPP
UNUN	5	61,17	NPP	UU	5	61,17	NPP
UNUN	6	60,14	NPP	UU	6	60,14	NPP

1999 GZTX Clipped Plots:

Site 7

Note: This is a record which shows **field labeling** for the 1999 GZTX Clipped Plots for Site 7 and corresponding **lab labeling** for the same plots.

Key for Treatment labels:

Field	Lab	Definition
GZGZ	GG	Grazed/Grazed
GZUG	GU	Grazed/Ungrazed
ROUN	RU	Rodent Ungrazed
UNGZ	UG	Ungrazed/Grazed
UNUN	UU	Ungrazed/Ungrazed

FIELD LABELING				LAB LABELING			
Treatment	Plot #	(X,Y)	Plot Type	Treatment	Plot #	(X,Y)	Plot Type
GZGZ ✓	1	28,51	NPP	GG	✓ 1	28,51	NPP
GZGZ ✓	2-1	29,30-1	NPP	GG	✓ 2	29,30	NPP
GZGZ ✓	3	52,57	NPP	GG	✓ 3	52,57	NPP
GZGZ	4-1	19,49-1	NPP	GG	4	19,49	NPP
GZGZ ✓	2-2	29,30-2	NPP	GG	✓ 5	29,31	NPP
GZGZ ✓	4-2	19,49(1/2)-1	NPP	GG	✓ *6	19,50	NPP(1/2)
GZGZ ✓	4-2	28,51(1/2)-2	NPP	GG	✓ *6	28,52	NPP(1/2)
GZGZ ✓	1	32,51	UTIL	GG ✓	1	32,51	UTIL
GZGZ ✓	2-1	33,30-1	UTIL	GG ✓	2	33,30	UTIL
GZGZ ✓	3	56,57	UTIL	GG ✓	3	56,57	UTIL
GZGZ ✓	4-1	23,49-1	UTIL	GG ✓	4	23,49	UTIL
GZGZ ✓	2-2	33,30-2	UTIL	GG ✓	5	33,31	UTIL
GZGZ ✓	4-2	23,49-2	UTIL	GG ✓	6	23,50	UTIL
GZUN	1	48,28	NPP	GU	1	48,28	NPP
GZUN	2	28,54	NPP	GU	2	28,54	NPP
GZUN	3	03,31	NPP	GU	3	03,31	NPP
GZUN	4	29,33	NPP	GU	4	29,33	NPP
GZUN	5	50,20	NPP	GU	5	50,20	NPP
GZUN	6	35,30	NPP	GU	6	35,30	NPP
ROUN	1	06,29	NPP	RU	1	06,29	NPP
ROUN	2	23,21	NPP	RU	2	23,21	NPP
ROUN	3	09,17	NPP	RU	3	09,17	NPP
ROUN	4	11,07	NPP	RU	4	11,07	NPP
ROUN	5	15,26	NPP	RU	5	15,26	NPP
ROUN	6	19,21	NPP	RU	6	19,21	NPP
ROUN	7	03,21	NPP	RU	7	03,21	NPP

*6 - Clipped material combined in one bag.

1999 GZTX Clipped Plots:**Site 7**

Note: This is a record which shows **field labeling** for the 1999 GZTX Clipped Plots for Site 7 and corresponding **lab labeling** for the same plots.

Key for Treatment labels:

Field	Lab	Definition
GZGZ	GG	Grazed/Grazed
GZUG	GU	Grazed/Ungrazed
ROUN	RU	Rodent Ungrazed
UNGZ	UG	Ungrazed/Grazed
UNUN	UU	Ungrazed/Ungrazed

FIELD LABELING				LAB LABELING			
Treatment	Plot #	(X, Y)	Plot Type	Treatment	Plot #	(X,Y)	Plot Type
UNGZ ✓	1-1	08,32-1	NPP	UG ✓	1	08,32	NPP
UNGZ ✓	2	11,30	NPP	UG ✓	2	11,30	NPP
UNGZ ✓	3	14,37	NPP	UG ✓	3	14,37	NPP
UNGZ ✓	4-1	12,49-1	NPP	UG ✓	4	12,49	NPP
UNGZ ✓	1-2	08,32-2	NPP	UG ✓	5	8,33	NPP
UNGZ ✓	4-2	12,49-2	NPP	UG ✓	6	12,50	NPP
UNGZ ✓	1-1	12,32-1	UTIL	UG ✓	1	12,32	UTIL
UNGZ ✓	2	15,30	UTIL	UG ✓	2	15,30	UTIL
UNGZ ✓	3	18,37	UTIL	UG ✓	3	18,37	UTIL
UNGZ ✓	4-1	16,49-1	UTIL	UG ✓	4	16,49	UTIL
UNGZ ✓	1-2	12,32-2	UTIL	UG ✓	5	12,33	UTIL
UNGZ ✓	4-2	16,49-2	UTIL	UG ✓	6	16,50	UTIL
UNUN	1	09,60	NPP	UU	1	09,60	NPP
UNUN	2	34,61	NPP	UU	2	34,61	NPP
UNUN	3	39,60	NPP	UU	3	39,60	NPP
UNUN	4	29,60	NPP	UU	4	29,60	NPP
UNUN	5	17,61	NPP	UU	5	17,61	NPP
UNUN	6	14,60	NPP	UU	6	14,60	NPP