

6 Locations
 5A 11
 5B 19
 7C 24

Treatments
 GZ/GZ = GG
 GZ/UG = GU
 UG/GZ = UG
 UG/UG = UU
 RZ/UG = RU

Trace Amt = .01

Lter. 2002
 Gztx NPP

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Util or

	1 Date	2 Loc	3 Trtmt	4 Plot	5 X	6 Y	7 Non-Util	8 Spr.	9 Wt.	Notes
1	80602	11	GG	1C	47	33	Util	TAPA	0.01	
2								LICH	0.03	
3								ARFR	0.26	
4								ARLO	0.42	
5								SPCO	0.29	
6								BOGR	1.84	
7										
8	80602	11	GG	2C	43	28	NPP	BOGR	1.06	*
9								AGSM	0.12	
10								CAHE	0.07	
11										
12	80602	11	GG	1C	51	33	NPP	OPPO	7.02	←
13								AGSM	0.91	
14								BUDA	0.11	
15								BOGR	1.73	
16								CAHE	0.42	
17										
18	80602	11	GG	3C	29	32	UTIL	BOGR	0.70	**
19								AGSM	0.04	
20								CAHE	0.44	
21										
22										
23										
24										
25										
*26	Note on plot bag says "Really Dead Plot"									
27										
**28	Note on plot bag says "Lots of Bare Ground"									
29										
30										
31										

EFFICIENCY LINE® 22-206

	1 Date	2 Loc	3 Trmt	4 Plot	5 X	6 Y	7 Util/ Non Util	8 Spec.	9 WT.	Notes
1	80602	11	GG	4C	27	51	NPP	Buda	2.00	★
2								Asox	.35	
3								spco	.02	
4								Aqsm	.83	
5								cahe	.74	
6								Bogr	1.51	
7								Arto	.85	
8	80602	11	GG	3C	31	32	NPP	Bogr	1.88	
9								Buda	1.10	
10								Aqsm	.35	
11								cahe	2.42	
12	80602	11	GG	2C	39	28	Util	Spco	.38	★★
13								Buda	.04	
14								Bogr	.25	
15								Aqsm	.61	
16								cahe	.27	
17	80602	11	GG	4C	23	51	UTIC	Lichen	.10	★★★
18								Arlo	.45	
19								Aqsm	.36	
20								Bogr	.72	
21	80602	11	GV	4C	13	32	NPP	Bogr	2.89	
22								CIUN	1.61	
23								Buda	.13	
24								Aqsm	.38	
25								Spco	.05	
26								Arfr	.61	
27										
28	★-Note: lots of litter in this plot									
29	★★-Bag says: Really dead + Dead cactus									
30	★★★ Note: Plot veg. mostly dead or dormant.									
31										

[illegible]

	1 Date	2 Location	3 trtmt	4 Plot	5 X	6 Y	7 Util/orn	8 Spec.	9 wt.	Notes
1	8/6/02	11	UU	2C	1	16	NPP	Bogr	1.01	
2								DE spp.	.41	
3								Agsm	1.56	
4								cahe	.97	
5	8/7/02	19	GU	4c	3	2	NPP	Bogr	3.43	
6								oppo	10.36	
7								lichen	1.70	
8								spr	1.45	
9								cahe	.06	
10								GACO	.41	
11								STCO	.71	
12	8/7/02	19	GU	1c	10	24	NPP	BOGR	3.64	
13								spr	1.91	
14								LYJU	.18	
15								SPCO	.52	
16								STCO	.05	
17	8/7/02	19	GU	2C	24	5	NPP	OPPO	49.66	←
18								STCO	2.89	
19								Buda	.09	
20								lichen	.09	
21								Bogr	.39	
22	8/7/02	19	GU	3C	22	12	NPP	oppo		
23								lichen	.44	
24								cahe	.75	
25								Saib	.34	
26								Bogr	.69	
27								SPCO	1.01	
28								STCO	.54	
29	7/31/02	24	UG	1C	19	38	UTIL	OPPO		
30								BOGR	2.15	
31								cahe	.42	

[illegible]

	1 Date	2 LOC	3 Trtmt	4 Plot	5 X	6 Y	7 Util/hor	8 SPEC.	9 Wt.	notes
1	7/31/02	24	UG	4C	7	20	util	BOGR	2.37	
2								ASOX	.03	
3								GUSA	.30	
4								AGSM	.06	
5								PIOP	.04	
6	8/06/02	11	UG	1C	8	7	NPP	CAHE	0.02	
7								SPCO	0.50	
8								ARFR	bag empty	
9								BOGR	2.17	
10	8/6/02	11	UG	4C	41	22	NPP	SPCO	0.43	
11								CAHE	0.45	
12								SPCR	0.02	
13								BOGR	2.15	
14	8/6/02	11	UG	2C	32	22	util	OPPO	8.64	
15								CAHE	1.16	
16								AGSM	0.18	
17								STCO	0.02	
18								SPCO	1.13	
19								BOGR	1.28	
20	8/6/02	11	UG	3C	15	15	NPP	SPCO	1.01	
21								OCEO	0.26	
22								CAHE	0.09	
23								ARLO	2.95	
24								BOGR	1.35	
25	8/6/02	11	UG	4C	37	*22?	util	CAHE	0.48	*
26								SPCO	0.07	
27								OE SP.	0.49	
28								BOGR	0.60	
29								AGSM	0.31	
30								ASOX	0.03	
31								ARLO	1.36	

*-can't tell if y plot is 22 or 28

ut. l. cr

	1 Date	2 Loc	3 Trmt	4 Plot	5 X	6 Y	7 run until	8 Spec.	9 Wt.	Notes
1	8/6/02	11	UG	2C	36	22	NAP	CAHE	0.14	
2								AGSM	0.15	
3								MILI	0.08	
4								BOGR	1.41	
5	8/6/02	11	UG	3C	11	15	util	CAHE	0.98	
6								SPCO	0.63	
7								AGSM	0.29	
8								BOGR	0.39	
9	8/6/02	11	UG	1C	4	7		EREF	5.44	
10	8/6/02	11	UG	1C	4	7	util	BOGR	0.26	*
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
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* - Only 1 sample for the entire plot (BOGR)

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EFFICIENCY LINE® 22-206

	1	2	3	4	5	6	7	8	9	
1	80102	GZTX	GZGZ	24	46	9	43	OPPO		UTIL
2								ARLO	0.09	
3								BOGR	2.14	
4								CAHE	0.44	
5								LICHEN	2.55	
6								SPCO	0.43	
7	80102	GZTX	GZGZ	24	36	7	56	LICHEN	5.09	UTIL
8								CAHE	0.09	
9								MELT	0.09	
10								GUSA	0.43	
11								BOGR	0.52	
12								BUDA	1.11	
13	80102	GZTX	GZGZ	24	16	9	60	OPPO		NPA
14								BOGR	3.74	
15								LICHEN	0.13	
16								CAHE	0.23	
17								SPCO	0.54	
18	8/07/02	GZTX	UNGZ	19	36	13	25	OPPO		NPA
19								SPCO	0.07	
20								CAHE	0.05	
21								BOGR	2.90	
22								STCO	2.35	
23	8/07/02	GZTX	UNGZ	19	46	10	27	OPPO	20.05	NPA
24								BOGR	3.46	
25								CAHE	0.72	
26								MELT	0.09	
27								STCO	2.59	
28								PSFE	0.70	
29								SPCO	0.03	
30	8/07/02	GZTX	UNGZ	19	26	18	33	BOGR	2.38	UTIL
31								CAHE	0.74	

Cont...

Cont

[illegible]

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PJ.

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	1 Date	2 Loc.	3 Trmt.	4 Plot	5 X	6 Y	7 Util NPP	8 Species	9 Wt	Notes
1	7/31/02	24	GU	2C	20	44	NPP	BOGR	3.02	
2								GUSA	1.23	
3								PIAP PIAP	0.53	
4								BUDA	0.07	
5								Lichen	1.59	
6								AGSM	0.65	
7								OPPO	38.82	
8	7/31/02	24	uu	1C	23	14	NPP	BUDA	1.57	
9								Lichen	1.45	
10								BOGR	1.38	
11	7/31/02	24	uu	4C	14	19	NPP	PIOP	0.18	
12								BUDA	0.17	
13								Lichen	0.25	
14								CAHE	0.19	
15								BOGR	4.82	
16	7/31/02	24	GU	1C	6	14	NPP	SPCO	0.10	
17								OPPO	4.19	
18								QRLO	0.09	
19								BOGR	4.61	
20								STCO	1.32	
21	7/31/02	24	uu	2C	21?	42	NPP	BOGR	2.64	*
22								BUDA	0.03	
23								OPPO	0.01	Trace amt.
24								Lichen	0.26	
25								SPCO	0.12	
26										
27										
28	* - can't tell if x plot should be 2 or 21									
29										
30										
31										

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EFFICIENCY LINE 22-206



	1 Date	2 Loc.	3 Trmt.	4 Plot	5 x	6 y	7 Wt. NPP	8 Species	9 wt.	Notes
1	8/7/02	19	uu	4C	8	28	NPP	OPPO	13.45	
2								unkn Forb	0.96	*
3								BOGR	3.04	
4								SPCO	0.19	
5								STCO	2.87	
6	8/7/02	19	uu	3C	5	19	NPP	SPCR	1.09	
7								STCO	2.21	
8								BOGR	0.59	
9								SPCO	0.64	
10								CAHE	0.20	
11								OPPO	25.30	
12	8/7/02	19	uu	1C	14	7	NPP	LYJU	2.76	
13								CAHE	3.42	
14								SPCO	0.96	
15	8/7/02	19	uu	2C	10	21	NPP	OPPO	2.03	
16								STCO	0.57	
17								SPCO	0.81	
18								CAHE	0.39	
19								BOGR	1.68	
20	8/7/02	19	GG	3C	20	47	Wt.1	SPCO	0.46	
21								SPCR	0.28	
22								BOGR	1.88	
23								OPPO	21.07	
24										
25										
26										
27										
28	* - bag says sample is unknown Forb									
29										
30										
31										

contin. →



	1 Date	2 Loc.	3 Trmt	4 Plot	5 X	6 Y	7 utl non	8 species	9 wt.	Notes
1	8/7/02	19	GG	1C	5	3	utl	OPPO	99.80	
2								SPCO	1.40	
3								BUDA	0.18	
4								BOGR	3.11	
5								SPCR	1.20	
6								STCO	0.49	
7	8/7/02	19	GG	2C	26	26	NPP	AGSM	0.37	
8								SPCO	0.20	
9								BOGR	2.36	
10	8/7/02	19	GG	4C	2	11	NPP	STCO	3.92	
11								SPCR	2.51	
12								SPCO	0.53	
13								BOGR	3.86	
14	8/7/02	19	GG	3C	24	47	NPP	SPCR	0.82	
15								SPCO	2.02	
16								BOGR	4.30	
17	8/7/02	19	GG	1C	9	3	NPP	SPCO	0.95	
18								STCO	6.20	
19								BOGR	1.18	
20	8/7/02	19	GG	4C	6	11	utl	SPCR	6.22	
21								SPCO	0.23	
22								STCO	0.50	
23								BOGR	6.54	
24	8/7/02	19	GG	2C	22	26	utl	SPCR	0.30	
25								BOGR	1.09	
26								SPCO	0.60	
27										
28										
29	8/1/02	24	GG	1C	5	60	utl	SPCO	.27	
30								Buda	.59	
31								Boqr	1.28	

EFFICIENCY LINE® 22-206

Lter 2002
GZ + X NPP

Lter 2002
GZ + X NPP

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util or

[illegible]

Lter 2002
 GEX NPP

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util or

[illegible]

Later 2002
GZTX NPP

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until

[illegible]

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[illegible]

Lter 2002
GZTX NPP

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EFFICIENCY LINE® 22-206



	1 Date	2 Loc	3 Trmt	4 Plot	5 X	6 Y	7 ^{or} Nonthl	8 Spec	9 Wt	Notes
1	80202	7C	UU	4C	21	4	NPP	Bogr	7.57	
2								Gusa	0.03	
3								Cahe	0.07	
4								Buda	0.60	
5								SpcO	0.81	
6								Arlo	0.88	
7	80202	7C	UU	9C	19	18	NPP	SpcO	0.09	
8								Spcr	0.13	
9								Arlo	1.15	
10								Bogr	6.52	
11	80202	7C	UU	1C	22	25	NPP	Bogr	7.05	
12								Cahe	0.56	
13								SpcO	1.56	
14	80202	7C	UU	3C	18	24	NPP	Arfr	0.11	
15								Stco	0.39	
16								SpcO	0.92	
17								Cahe	2.92	
18								Bogr	1.03	
19	80202	7C	UU	5C	22	40	NPP	Cahe	0.57	
20								SpcO	1.08	
21								Stco	1.27	
22								Bogr	6.89	
23	80202	7C	UU	8C	15	20	NPP	Bogr	4.62	
24								SpcO	0.02	
25								Gusa	0.16	
26								SpcO	1.13	
27	80202	7C	UU	7C	23	9	NPP	Sihy	0.54	
28								SpcO	0.43	
29								Bogr	4.58	
30								Gusa	5.18	
31										

SCPA
Letters
reversed
on
sample
env.
(9th)

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GZTX NPP

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util

AMRAD EFFICIENCY LINE® 22-206

	1 Date	2 Loc	3 Trtmt	4 Plot	5 X	6 Y	7 Non Util	8 Spec	9 Wt	Notes
1	80202	7c	uu	2c	3	39	NPP	Bogr	3.38	
2								Spc0	1.42	
3								Stco	1.47	
4								Arlo	1.70	
5								Cahe	1.14	
6	80202	7c	uu	6c	15	2	NPP	Bogr	6.30	
7								Arlo	3.04	
8	80202	7c	uu	10c	18	6	NPP	Bogr	6.47	
9								Buda	0.03	
10								Liju	0.11	"Liju"
11								Arlo	0.67	
12								Cahe	0.01	Trace Amt
13								Spc0	0.39	
14	80202	7c	RU	7c	2	27	NPP	Cahe	0.16	
15								Buda	0.36	
16								Spc0	0.63	
17								Sihy	1.18	
18								Coca	1.94	
19								Bogr	5.77	
20								Eref	8.06	
21	73102	5A	GU	3c	10	14	NPP	Bogr	7.30	OPPO 3.97
22								Spc0	1.36	
23								Cahe	0.32	
24	73102	5A	GU	1c	20	27	NPP	Spc0	0.04	OPPO 0.66
25								Lichen	1.90	
26								Bogr	5.33	
27	73102	5A	GU	9c	21	39	NPP	Bogr	6.75	
28								Spc0	0.71	
29								AgSm	1.04	
30								Lichen	0.56	
31								OPPO	0.29	+

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EFFICIENCY LINE® 22-206



	¹ Date	² Loc	³ Ttmt	⁴ Plot	⁵ X	⁶ Y	⁷ Util NonUtil	⁸ Spec	⁹ Wt	Notes
1	73102	5A	GU	10C	22	32	NPP	Lichen	0.92	
2								SpcO	0.07	
3								mili	0.04	
4								Bogr	4.81	
5	73102	5A	GU	7C	3	40	NPP	Bogr	5.17	
6								Lichen	0.21	
7								SpcO	0.09	
8	73102	5A	GU	8C	6	42	NPP	SpcO	0.57	
9								Lichen	3.96	
10								Bogr	4.96	
11	73102	5A	GU	4C	23	41	NPP	SpcO	1.48	
12								Bogr	3.39	
13								Lichen	8.32	
14	73102	5A	GU	2C	25	23	NPP	Bogr	4.71	
15								Arlo	0.63	
16	73102	5A	GU	5C	2	43	NPP	Bogr	8.12	
17								SpcO	0.89	
18								Lichen	1.66	
19	73102	5A	GU	6C	23	35	NPP	mili	0.03	*
20								Agsm	1.02	*
21								SpcO	0.27	*
22								Bogr	4.12	*
23	73102	5A	UG	6C	34	20	Util	SpcO	0.16	
24								Agsm	0.06	
25								Cahe	0.41	
26								Cela	1.46	
27								Bogr	3.91	
28										
29										
30										
31										

* Plot on edge of gopher disturbance

Letter 2002
GETX NPP

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EFFICIENCY LINE® 22-206



	1	2	3	4	5	6	7	8	9	
1	8010Z	SA	GG	HC	16	27	NPP	OPPO	1.45	*
2								BOGR	4.26	
3								CAHE	0.30	
4								SIHY	0.48	
5								AGSM	0.02	
6								SPCO	0.18	
7	8010Z	SA	GG	10C	25	50	NPP	BOGR	7.49	
8								CAHE	0.02	
9	8010Z	SA	GG	3C	55	47	NPP	LITCHEN PACH	1.28	
10								SPCO	0.57	
11								BOGR	4.02	
12								CAHE	0.97	
13	8010Z	SA	GG	1C	24	47	Util	BOGR	4.55	
14								SPCO	0.27	
15								CAHE	0.37	
16								LITCHEN PACH	0.51	
17	8010Z	SA	GG	10C	21	50	Util	BOGR	6.98	
18								LITCHEN PACH	1.62	
19								SPCO	0.74	
20								CAHE	0.73	
21	8010Z	SA	GG	1C	28	47	NPP	BOGR	8.45	
22								LITCHEN PACH	2.45	
23								SPCO	0.68	
24	8010Z	SA	GG	5C	59	41	NPP	SPCO	1.68	
25								SPCR	0.35	
26								AGSM	0.49	
27								CHVI	10.19	
28								BOGR	4.96	
29	8010Z	SA	GG	5C	55	41	Util	BOGR	4.22	
30								AGSM	0.18	
31								SPCO	1.67	

CHUT 2.74

After 2002
G = TX NPP

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gopher
distur-
bance

EFFICIENCY LINE® 22-206



	1	2	3	4	5	6	7	8	9	
1	8010Z	SA	CG	ZC	15	43	UTIL	BOGR	4.34	
2								LECHEN PACH	2.68	
3								LAHE	0.07	
4								CELA	1.20	
5								SPCO	0.24	
6	8010Z	SA	CG	ZC	19	43	NPP	BOGR	4.44	
7								LAHE	0.59	
8								LECHEN PACH	4.70	
9								SPCO	1.93	
10	8010Z	SA	CG	6C	17	17	UTIL	BOGR	6.86	
11								ASOX	0.15	
12								LECHEN PACH	5.40	
13								LAHE	0.31	
14								SPCO	0.21	
15	8010Z	SA	CG	9C	12	46	UTIL	BOGR	7.27	
16								CELA	1.26	
17								LECHEN PACH	2.10	
18	7310Z	SA	UU	7C	18	6	NPP	BOGR	10.96	
19								SPCO	0.21	
20	7310Z	SA	UU	8C	15	7	NPP	LAHE	0.10	
21								BOGR	9.78	
22								SPCO	1.12	
23	7310Z	SA	UU	1C	2	10	NPP	BOGR	6.77	
24								ASOX	0.05	
25								SPCO	0.20	
26	7310Z	SA	UU	4C	14	37	NPP	BOGR	8.58	
27								SPCO	0.18	
28	7310Z	SA	UU	ZC	9	9	NPP	BOGR	7.71	
29								MILE	0.09	
30								ASOX	0.08	
31								SPCO	0.11	

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GZ Tx NPP

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GETX NPP

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EFFICIENCY LINE® 22-206



	1 Date	2 Loc	3 Trtmt	4 Plot	5 X	6 Y	7 Util	8 Spec	9 Wt	Notes
1	73102	5A	UG	10C	31	23	Util	Bogr	6.91	
2								Agsm	0.48	
3								Cahe	0.04	
4	73102	5A	UG	1C	54	26	Util	SpcO	0.25	
5								Bogr	5.15	
6	73102	5A	UG	3C	14	25	Util	Bogr	4.75	
7								Cahe	1.28	
8								Agsm	0.45	
9	73102	5A	UG	2C	50	13	Util	SpcO	0.31	
10								PiOp	0.18	
11								Bogr	7.49	
12	80102	5A	UG	7C	8	28	NPP	Bogr	12.24	
13								SpcO	0.12	
14								Cahe	0.12	
15								Agsm	0.43	
16	73102	5A	UG	9C	11	28	Util	SpcO	0.15	
17								Bogr	3.62	
18	73102	5A	UG	7C	4	28	Util	Bogr	4.87	
19								AsoX	0.03	
20								Agsm	0.27	
21								Lichen	0.34	
22	80102	5A	UG	1C	58	26	NPP	SpcO	0.12	
23								Agsm	0.93	
24								Bogr	9.09	
25	80102	5A	UG	8C	7	14	Util	Bogr	10.02	
26								SpcO	1.00	
27								Cahe	0.02	
28	80102	5A	UG	6C	38	20	NPP	Agsm	0.26	
29								SpcO	0.05	
30								Cela	0.46	
31								Bogr	6.11	

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EFFICIENCY LINE® 22-206



	1 Date	2 Location	3 Treatment	4 Plot	5 X	6 Y	7 NPP	8 Species	9 Wt.	Notes
1	8/6/2002	7	GG	3C	54	56	NPP	EREF	10.67	← OPPO 10.55
2				4C				Bogr	2.33	
3	80602	7	GG	4C	17	49	NPP	Bogr	3.79	
4								SPCO	.15	
5								EREF	4.45	
6								SPCR	.86	
7	80602	7	GG	3C	23	33	NPP	ARLO	4.52	
8								SPCO	.09	
9								THME	.14	
10								SPCR	1.68	
11								LIIN	.87	
12								ARFR	.59	
13								GAGO	.16	
14								Bogr	5.23	
15	80602	7	GG	2C	5	21	NPP	- - -	6.20	
16								ARLO	.74	
17								SPCO	.49	
18								CAHE	.47	
19								SPCR	.12	
20	80602	7	GG	5C	42	63	NPP	Bogr	5.52	
21								SPCR	.07	
22								cahe	.05	Trace
23	80602	7	GG	10C	53	59	NPP	Bogr	5.79	
24								Arfr	4.65	
25	80602	7	GG	7C	14	52	NPP	Bogr	6.37	
26								SPCR	1.86	
27								CAHE	0.03	
28	80602	7	GG	1C	26	51	NPP	Arlo	.89	
29								Bogr	6.19	
30								Spco	.19	
31	80602	7	GG	6C	11	17	NPP	Bogr	7.70	

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EFFICIENCY LINE® 22-206



	1 Date	2 Location	3 Treatment	4 Plot	5 x	6 y	7 NPP	8 Species	9 Wt.	Notes
1	8/6/02	7	GG	6C	11	17	NPP	SPCR	2.29	
2								ARLO	3.07	
3								SPCO	.51	
4								CAHE	2.21	
5	80602	7	GG	8c	23	54	-NPP	Bogr	4.15	
6								SPCR	.16	
7								SPCO	.28	
8								CAHE	.13	
9	8/5/02	7	GG ^{UG}	1c	35	32	NPP	EREF	20.24	
10								Bogr	4.08	
11								SPCO	.02	Trace
12								CAHE	1.70	
13								SPKR	.70	
14	8/5/02	7	GG ^{UG}	5c	3	38	NPP	Bogr	10.43	
15								LIIN	1.51	
16								ARLO	3.58	
17								CAHE	.88	
18								SPCR	.27	
19								SPCR	1.83	
20	80502	7	<u>UG</u>	4c	26	29	"	Bogr	4.74	OPPO 4.97
21								Agsm	.03	
22								SPCO	1.38	
23	80502	7	UG	8c	9	41	"	Bogr	5.31	OPPO 0.23
24								Cahe	.16	
25								SPCO	.09	
26	8/5/02	7	UG	9c	14	22	"	EREF	5.68	
27								ARLO	2.79	
28								Bogr	4.80	
29								SPCR	2.00	
30								CAHE	.96	
31								GACO	.26	

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	1 Date	2 Location	3 Treatment	4 Plot	5 x	6 y	7 ^{util} / NPP	8 Species	9 Wt	Notes
1	8/5/02	7c	BGR	9c	14	22	NPP	stco	.41	
2	"	7	(UG)	2c	30	17	"	Bogr	3.83	← OPPO 1.29
3								Arlo	.73	
4								CAHE	.38	
5								SPCO	.87	
6								Lichen	.75	
7	80502	7	UG	6c	7	33	- u -	Bogr	3.20	
8								CAHE	.82	
9								SPCR	.07	
10	80502	7	UG	10	23	30	"	Pste	1.71	
11								CAHE	.86	
12								Bogr	4.63	
13								THTR	.04	
14								SPCO	.82	
15								SPCR	.73	
16	80502	7	UG	3	14	24	"	stco	.23	← OPPO 13.25
17								CAHE	.91	
18								Bogr	5.6	
19	80502	7	UG	7c	7	36	- u -	SPCR	4.86	← OPPO 13.76
20								BOGR	4.28	
21								SPCO	.2	
22	8/29/02	5B	UG	2c	26	57	"	Bogr	4.98	
23								Buda	.51	
24								CAHE	.24	
25								SPCO	1.05	
26	72902	5B	UG	4c	44	55	"	Bogr	3.97	
27								ARFR	.21	
28								CAHE	.65	
29								SPCO	.65	
30	07/30/02	5B	UG	7c	14	52	"	Bogr	6.29	
31								Buda	.12	

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util

EFFICIENCY LINE® 22-206



	1 Date	2 Location	3 treatment	4 plot	5 X	6 Y	7 NPP	8 species	9 Wt	Note
1	07/29/02	5B	GG	6C	7	18	util	BoGR	5.60	← OPPD 0.05
2								SPCO	.11	
3								PiDP	.20	
4								Cahe	.13	
5								ARfR	.03	
6								AGSM	.05	Trace
7								Gaco	.03	
8								Mile	.17	
9								Hasp	.54	
10	72902	5B	GG	8C	19	54	util-	Bogr	2.78	
11								cahe	.46	
12								Buda	.41	
13	72902	5B	GG	1C	22	57	util-	Bogr	3.55	
14								cahe	.1	
15	72902	5B	GG	4C	40	55	util-	Bogr	2.7	
16								Cahe	.6	
17							NPP	SPCO	.28	
18	07/25/02	5B	GZun	5C	11	25	NPP	BOGR	4.89	
19								BUDA	.15	
20								AGSM	.16	
21								SPCO	.53	
22	07/26/02	5B	-GU	9C	5	39	NPP	BOGR	7.05	← OPPD 1.08
23								cahe	.47	
24								Lichen	.09	
25	72602	5B	GU	2C	11	4	NPP	Bogr	6.2	← OPPD 0.87
26								Cahe	.14	
27	72602	5B	GU	10C	9	10	"	Bogr	4.93	
28								Buda	.06	
29								AGSM	.2	
30	72602	5B	GU	6C	21	42	"	BOGR	8.84	
31								CAHE	.04	



	1 Date	2 Location	3 Treatment	4 plot	5 x	6 y	7 ut: // NPP	8 species	9 Wt	Notes
1	26/7/02	5B	GZUN	6C	21	42	NPP	Agsm	.06	
2								SPCO	.12	
3	7/26/02	-5B	-GU	7C	13	4	"	Bogr	5.9	
4								Buda	.13	
5								SPCO	.15	
6								Cahe	.51	
7	72602	5B	GU	4C	18	6	NPP	Bogr	2.11	
8								Buda	2.57	
9								Agsm	was no sample	empty
10								Piop	.53	
11								SPCO	.24	
12	72602	5B	GU	8C	17	36	"	Bogr	6.48	
13								Lichen	.24	
14								Arfr	.8	
15								SPCO	.26	
16	72602	5B	GU	3C	24	41	NPP	Bogr	10.86	
17								Agsm	.22	
18								SPCO	.13	
19								Arfr	.09	
20	72602	5B	GU	1C	24	9	NPP	Bogr	3.16	
21								Buda	2.19	
22								SPCO	.06	
23								EREF	.34	
24								Lich	.03	
25								AGSM	.10	
26	72602	5B	GU	1C	51	29	util	Bogr	4.22	
27								Arfr	1.73	
28								Spca	1.12	NPP
29								Buda	1.3	
30								Graco	.08	
31								Cahe	.54	

	1 Date	2 location	3 treatment	4 plot	5 x	6 y	7 util/NPP	8 species	9 wt	10 Notes	11	12	13
1	7/26/02	5B	G/U	1C	51	29	util	SPCO	.34				
2								SPCR	.07				
3								PIOP	.15				
4	72602	5B	GU	4C	1	19	util	Bogr	2.64				
5								Cahe	.03				
6								AGSM	.23				
7	72602	5B	GU	5C	42	20	"	Bogr	5.66				
8								Cahe	.4				
9								SPCO	.07				
10	72602	5B	GU	2	34	18	util	Bogr	3.51				
11								Cahe	.1				
12								Agsm	.23				
13								SPCO	.22				
14	29/07/02	5B	GU	9C	10	33	util	Bogr	4.66	← OPPO	0.06		
15								Agsm	.35				
16	"	5B	GU	8C	19	54	"	Bogr	2.54				
17								Buda	.68				
18								Cahe	.32				
19								SPCO	.65				
20								Lich	.97				
21	"	5B	GU	7C	10	52	util	Bogr	3.92				
22								Lich	.67				
23								Cahe	.34				
24	"	5B	GU	10C	55	53	"	Bogr	5.38				
25								Buda	.11				
26								Cahe	.67				
27								Lich	1.32				
28	"	5B	GU	6C	1	24	util	Bogr	4.56				
29								Agsm	.09				
30								PIOP	.11				
31	0726102	5B	GU	3	18	33	"	Bogr	4.53				
								Buda	.16				
								Cahe	.19				

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	1 Date	2 Loc	3 Treatment	4 Plot	5 x	6 y	7 NPP	8 spec	9 wt	10 Notes	11	12	13
1	7/26/02	5B	unun	8C	11	3	NPP	Bogr	4.96				
2								SPEO	.02				
3								AGSM	.07				
4								CaHe	.95				
5	72602	5B	u/u	3C	2	16	NPP	Bogr	5.45				
6								SPEO	.05				
7								AGSM	.27				
8	72602	5B	uu	1C	14	16	NPP	Bogr	3.28	← OPPO	5.74		
9								CaHe	1.9				
10								AGSM	.37				
11								lich	.35				
12	72602	5B	uu	2C	18	8	NPP	BOGR	4.63				
13								SPEO	.1				
14	72602	5B	uu	9C	23	18	"	Bogr	2.78	← OPPO	0.22		
15								SPEO	.07				
16								CaHe	.49				
17								Budla	1.00				
18								Arfr	.07				
19	72602	5B	uu	7C	4	5	NPP	Bogr	3.94				
20								CaHe	.06				
21								AGSM	.05				
22	72602	5B	uu	5C	10	33	"	Bogr	5.20				
23								lich	7.62				
24								Agsm	.12				
25								SPEO	.02				
26	72602	5B	uu	10C	24	14	NPP	Bogr	5.16				
27								CaHe	.69				
28								AGSM	.19				
29	72602	5B	uu	6C	17	25	"	Bogr	4.94				
30								CaHe	1.02				
31								Budla	.16				
								SPEO	.08				

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	1 Date	2 Loc	3 Trtmt	4 Plot	5 X	6 Y	7 Util/NPP	8 Spec	9 Wt	10 Note	11	12	13
1	7/26/02	5P	u/u	4c	22	38	NPP	Bogr	7.05				
2								Cela	2.78				
3								Lich	.27				
4								Cahe	.37				
5	7/29/02	"	GZ	3c	22	33	"	Bogr	6.82				
6								Cahe	.09				
7								Lich	.39				
8								Buda	.37				
9								SPCO	.14				
10								Agsm	.28				
11	"	"	"	1c	55	29	NPP	Bogr	8.29				
12								Agsm	.5				
13								Cahe	.08				
14								SPCO	.76				
15								Buda	.07				
16	"	"	"	10c	59	53	"	Cahe	.40				
17								Lich	2.93				
18								Bogr	6.37				
19	"	"	"	5c	46	20	"	Bogr	3.15				
20								SPCO	.08				
21								Piop	.05	Trace			
22								Cahe	.14				
23								Agsm	.05				
24								Buda	.11				
25	"	"	"	4c	5	19	"	Bogr	5.13				
26								Cahe	.2				
27								Agsm	.53				
28	"	"	"	9c	23	33	"	Lich	1.02				
29								Cahe	.36				
30								SPCO	.29				
31								SCpa	.3				
								Bogr	3.31				

	1 Date	2 Loc	3 Treatment	4 Plot	5 X	6 Y	7 4t:1/NPP	8 Species	9 Wt	10 Note	11	12	13
1	7/29/02	SB	u/u	8C	23	54	NPP	Lich	3.08				
2								Bogr	7.8				
3								Cahe	.57				
4	"	"	"	6C	1	20	"	Bogr	3.48				
5								Cahe	.65				
6								AGSM	.08				
7				2C	39	18	"	Bogr	4.08				
8								spce	.66				
9								Buda	.51				
10								Cahe	2.32				
11								Agsm	.33				
12	"	SB	ungz	7C	14	52	"	Bogr	5.15	←OPPO	1.52		
13								Lich	.07				
14								Cahe	1.56				
15	7/25/02	SB	RU	9C	25	4	NPP	Bogr	5.54				
16								Cahe	.13				
17								SPCO	.51				
18	"	"	"	10C	22	6	NPP	Bogr	6.39				
19								Lich	.71				
20								SPCO	.12				
21								Buda	.06				
22								Cahe	.27				
23	"	"	"	7C	2	27	"	ARFR	.49				
24								Bogr	6.94				
25								Buda	.54				
26								SPCO	.42				
27	"	"	"	3C	18	21	"	Bogr	5.81				
28								SPCO	2.37				
29								ARFR	.05				
30													
31													

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util

	1 Date	2 Loc	3 Trtmt	4 Plot	5 x	6 y	7 NPP	8 specie	9 wt	10 Notes	11	12	13
1	07/25/02	5B	RU	5C	2	19	NPP	Lich	.25				
2								Bogr	6.53				
3								SPCO	.3				
4								ARFR	1.58				
5	72502	5B	RU	1C	12	24	"	SPCO	.65	← OPPO	7.75g.		
6								Bogr	4.41				
7								Agsm	1.93				
8								PiDP	.05				
9	"	"	"	2C	11	15	"	Lich	1.43				
10								Bogr	5.65				
11								SPCO	.44				
12								Agsm	.06				
13	72502	5B	RU	6C	24	2	"	Bogr	4.62				
14								Lich	.23				
15								Cahe	.87				
16								Ardr	.62				
17	"	"	"	8C	12	3	"	Bogr	4.25	← OPPO	5.10g.		
18								Agsm	.85				
19								Lich	4.77				
20								Gaco	.04				
21								Cahe	.08				
22								SPCO	.11				
23	"	"	"	4C	18	25	"	Bogr	2.48				
24								Agsm	3.8				
25								Buda	1.88				
26								SPCO	2.09				
27								Ardr	.2				
28								Gaco	.04				
29													
30													
31													

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	1 Date	2 Loc	3 Treat	4 Plot	5 v	6 y	7 ^{util} NPP	8 Species	9 wt	Notes
1	07/30/02	5A	Round	1c	12	24	NPP	Bogr	5.36	*OPPO 7.75
2			RU					SPCO	.78	
3								Lich	3.52	
4	"	"	"	8c	12	3	?	Bogr	5.01	
5								Cake	.23	
6								Lich	.93	
7	"	5A	RU	5c	2	19	NPP	Bogr	5.43	
8								Cake	.15	
9								SPCO	3.59	
10	73002	5A	RU	4c	18	25	"	SPCO	155	*OPPO 4.81
11								Bogr	4.98	
12								Cake	.15	
13								Lich	.23	
14	73002	5A	RU	2c	11	15	"	Bogr	3.9	
15								Cake	2.84	
16								Lich	2.11	
17								Cake	.42	
18								SPCO	1.43	
19	73002	5A	RU	7c	2	27	"	Bogr	7.02	*OPPO 2.70
20								Arlo	.83	
21								Cake	.14	
22								Lich	.16	
23								SPCO	.62	
24	73002	5A	RU	10c	22	6	NPP	Bogr	3.15	*OPPO 0.69
25								Cake	.90	
26								SPCO	.57	
27	73002	5A	RU	9c	25	4	?	Bogr	2.77	
28								Cake	.49	
29								SPCO	2.31	
30	73002	5A	RU	6c	24	2	?	Bogr	6.4	
31								SPCO	.76	
								Cake	.38	

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Lter 2002 Gztx NPP - Additional weights

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UTIL

	HARVEST 1 DATE	2 LOC	3 TRTMT	4 PLOT	5 X	6 Y	7 ^{OR} NPP	8 SPEC	9 WT.	NOTES
1	7/30/02	SA	RU	8C	12	13	*	SPCO	.55	* not Marked
2	8/1/02	SA	GG	8C	13	30	NPP	CAHE	.49	
3										
4								SPLO	.71	
5	7/30/02	SB	GG	8C	23	54	NPP	CAHE	.28	
6	8/2/02	7	RU	5C	2	19	NPP	BOGR	6.52	
7								SPCO	.31	
8								BUDA	.19	
9								OCEO	.06	OECO
10								CAHE	.12	letters reversed on envelope (gt)
11								C villosa	4.58	
12	8/2/02	7	RU	6C	24	2	NPP	EREF	10.91	
13								BOGR	.44	
14								SPCO	.31	
15								VIAM	.06	
16								SIHY	2.71	
17	8/2/02	7	RU	8C	12	3	NPP	BOGR	4.08	
18								SPCR	1.16	
19								EREF	9.45	
20								BUDA	.43	
21								AGSM	.06	
22								SPCO	4.20	
23								SIHY	1.37	
24	8/2/02	7	RU	3C	18	21	NPP	BOGR	8.13	
25								SPCO	.98	
26								EREF	5.56	
27								BUDA	1.02	
28								ARLO	1.02	
29	8/2/02	7	RU	2C	11	15	NPP	CAHE	.15	
30								SPCO	1.00	
31								SAIB	.62	
								BOGR	4.28	

	1	2	3	4	5	6	7	8	9	
1	8/2/02	7	RU	1c	12	24	NPP	PIOP	.35	
2								STCO	2.68	
3								SPCO	.04	
4								BUDA	.42	
5								BOGR	4.31	
6	8/2/02	7	RU	9c	25	4	NPP	EREF	3.13	
7								SIHY	.42	
8								BOGR	1.68	
9								SPCR	1.63	
10	8/2/02	7	RU	10c	22	6	NPP	BOGR	5.31	
11								CAHE	.30	
12								SIHY	1.61	
13								BUDA	.18	
14								SPCR	.36	
15								EREF	1.48	
16	8/6/02	7	GG	9c	19	33	UTIL	BOGR/AM	1.80	
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										

