

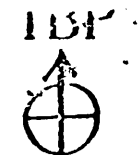
June 3

Oct 21 / 1985

NRRL-53 NATURAL RESOURCE ECOLOGY LABORATORY - COLORADO STATE UNIVERSITY - PHONE (303) 491-5642 - FORT COLLINS, COLORADO 80523



| Data Type | Site | Treatment | Transect or Replicate | Date | | | Initials | Deep Tube | Probe Number | Tube Number | Soil Count | 15 or 180 | 30 or 210 | 45 or 240 | 60 or 270 | 75 or 300 | 90 | 120 | 150 | Count Time (min) |
|-----------------------------|------|-----------|-----------------------|------|-------|-------|----------|-----------|--------------|-------------|------------|-----------|-----------|-----------|-----------|-----------|-------|-------|-------|------------------|
| | | | | Day | Month | Year | | | | | | cm | cm | cm | cm | cm | cm | cm | cm | |
| 1-2 | 3-4 | 5 | 6 | 7-8 | 9-10 | 11-12 | 13-15 | 16 | 17-18 | 19-20 | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | 51-55 | 56-60 | 61-65 | 66-70 |
| 53 | 11 | D | 1 | 17 | 06 | 85 | DLH | June 17 | ESA | 3 | 40944 | - | 16007 | 21479 | 18012 | 14905 | 11968 | 12643 | 18839 | 1 |
| | | | | | | | | June 17 | ESA | 2 | 41162 | - | 12338 | 15036 | 13635 | 11258 | 10008 | 11631 | - | 1 |
| | | | | | | | | June 17 | ESA | 1 | 41213 | - | 11927 | 19213 | 22175 | 17248 | 13327 | 17300 | - | 1 |
| Data Type | | | | | | | | | | | | | | | | | | | | |
| 53 Neutron probe soil water | | | | | | | | | | | | | | | | | | | | |
| Site | | | | | | | | | | | | | | | | | | | | |
| 11 Pawnee | | | | | | | | | | | | | | | | | | | | |
| Treatment | | | | | | | | | | | | | | | | | | | | |
| 1 Ungrazed | | | | | | | | | | | | | | | | | | | | |
| 2 Lightly grazed | | | | | | | | | | | | | | | | | | | | |
| 3 Moderately grazed | | | | | | | | | | | | | | | | | | | | |
| 4 Heavily grazed | | | | | | | | | | | | | | | | | | | | |
| 5 Grazed 69, Ungrazed 70 | | | | | | | | | | | | | | | | | | | | |
| A Diet light | | | | | | | | | | | | | | | | | | | | |
| B Diet moderate | | | | | | | | | | | | | | | | | | | | |
| C Diet heavy | | | | | | | | | | | | | | | | | | | | |
| D ESA - O | | | | | | | | | | | | | | | | | | | | |
| E ESA - W | | | | | | | | | | | | | | | | | | | | |
| F ESA - N | | | | | | | | | | | | | | | | | | | | |
| G ESA - WH | | | | | | | | | | | | | | | | | | | | |
| H Lynn Lake | | | | | | | | | | | | | | | | | | | | |
| J Winter grazed | | | | | | | | | | | | | | | | | | | | |
| Deep Tube Code | | | | | | | | | | | | | | | | | | | | |
| 0 Regular tube | | | | | | | | | | | | | | | | | | | | |
| 1 Deep tube | | | | | | | | | | | | | | | | | | | | |



GRASSLAND BIOMASS
U.S. INTERNATIONAL BIOLOGICAL PROGRAM

Check
Probe
Number

FIELD DATA SHEET--NEUTRON PROBE SOIL WATER

| Data Type | Site | Treatment | Transect or Replicate | Date | | | Initials | Deep Tube | Probe Number | Tube Number | Shield Count | 15 or 180 | 30 or 210 | 45 or 240 | 60 or 270 | 75 or 300 | 90 | 120 | 150 | Count Time (min) |
|--|------|-----------|-----------------------|------|-------|-------|----------|-----------|--------------|-------------|--------------|-----------|-----------|-----------|-----------|-----------|-------|-------|-------|------------------|
| | | | | Day | Month | Year | | | | | | cm | cm | cm | cm | cm | cm | cm | cm | |
| 1-2 | 3-4 | 5 | 6 | 7-8 | 9-10 | 11-12 | 13-15 | 16 | 17-18 | 19-20 | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | 51-55 | 56-60 | 61-65 | 66-70 |
| 53 | 11 | D | 1 | 01 | 07 | 85 | DLH | 85 | ESA3 | 40933 | 6082 | 15588 | 20514 | 16131 | 13517 | 11635 | | | | 1 |
| | | | | | | | | 85 | ESA2 | 41288 | 3995 | 12053 | 14358 | 13002 | 10797 | 9825 | | | | 1 |
| | | | | | | | | 85 | ESA1 | 41119 | 3459 | 11838 | 17763 | 20809 | 16235 | 13033 | | | | 1 |
| <p>Data Type</p> <p>53 Neutron probe soil water</p> <p>Site</p> <p>11 Pawnee</p> <p>Treatment</p> <p>1 Ungrazed</p> <p>2 Lightly grazed</p> <p>3 Moderately grazed</p> <p>4 Heavily grazed</p> <p>5 Grazed 69, Ungrazed 70</p> <p>A Diet light</p> <p>B Diet moderate</p> <p>C Diet heavy</p> <p>D ESA - O</p> <p>E ESA - W</p> <p>F ESA - N</p> <p>G ESA - WII</p> <p>H Lynn Lake</p> <p>J Winter grazed</p> <p>Deep Tube Code</p> <p>0 Regular tube</p> <p>1 Deep tube</p> | | | | | | | | | | | | | | | | | | | | |

10 6.5 1.0 1.0 1.0

25 (6.9) 1.2 (4.6) E
(7.2) 1.2 (4.5) W

M 7

GRASSLAND BIOVIE

U.S. INTERNATIONAL BIOLOGICAL PROGRAM

FIELD DATA SHEET--NEUTRON PROBE SOIL WATER

Check
Probe
Number

| Data Type | Site | Treatment | Transect or Replicate | Date | | | Initials | Deep Tube | Probe Number | Tube Number | Shield Count | 15 or 180 | 30 or 210 | 45 or 240 | 60 or 270 | 75 or 300 | 90 | 120 | 150 | Count Time (min) | |
|-----------------------------|------|-----------|-----------------------|------|-------|-------|----------|-----------|--------------|-------------|--------------|-----------|-----------|-----------|-----------|-----------|-------|-------|-------|------------------|--|
| | | | | Day | Month | Year | | | | | | cm | cm | cm | cm | cm | cm | cm | cm | | |
| 1-2 | 3-4 | 5 | 6 | 7-8 | 9-10 | 11-12 | 13-15 | 16 | 17-18 | 19-20 | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | 51-55 | 56-60 | 61-65 | 66-70 | |
| 53 | 11 D | 1 | 15 | 07 | 85 | DLH | July 15 | 3 | 41647 | — | 16190 | 19880 | 15497 | 12796 | 11251 | | | | | | |
| | | | | | | | July 15 | 2 | 40941 | — | 13014 | 14042 | 12479 | 10657 | 9623 | | | | | | |
| | | | | | | | July 15 | 1 | 41056 | — | 12811 | 17388 | 20127 | 16126 | 12556 | | | | | | |
| Data Type | | | | | | | | | | | | | | | | | | | | | |
| 53 Neutron probe soil water | | | | | | | | | | | | | | | | | | | | | |
| 53 11 D 1 29 07 85 DLH | | | | | | | | | | | | | | | | | | | | | |
| Site | | | | | | | | | | | | | | | | | | | | | |
| 11 Pawnee | | | | | | | | | | | | | | | | | | | | | |
| Treatment | | | | | | | | | | | | | | | | | | | | | |
| 53 11 D 1 12 08 85 DLH | | | | | | | | | | | | | | | | | | | | | |
| 1 Ungrazed | | | | | | | | | | | | | | | | | | | | | |
| 2 Lightly grazed | | | | | | | | | | | | | | | | | | | | | |
| 3 Moderately grazed | | | | | | | | | | | | | | | | | | | | | |
| 4 Heavily grazed | | | | | | | | | | | | | | | | | | | | | |
| 5 Grazed 69, Ungrazed 70 | | | | | | | | | | | | | | | | | | | | | |
| A Diet light | | | | | | | | | | | | | | | | | | | | | |
| B Diet moderate | | | | | | | | | | | | | | | | | | | | | |
| C Diet heavy | | | | | | | | | | | | | | | | | | | | | |
| D ESA - 0 | | | | | | | | | | | | | | | | | | | | | |
| E ESA - W | | | | | | | | | | | | | | | | | | | | | |
| F ESA - N | | | | | | | | | | | | | | | | | | | | | |
| G ESA - WH | | | | | | | | | | | | | | | | | | | | | |
| H Lynn Lake | | | | | | | | | | | | | | | | | | | | | |
| J Winter grazed | | | | | | | | | | | | | | | | | | | | | |
| Barry tube Code | | | | | | | | | | | | | | | | | | | | | |
| 0 Regular tube | | | | | | | | | | | | | | | | | | | | | |
| 1 Deep tube | | | | | | | | | | | | | | | | | | | | | |

These should have been on separate forms

E. S. A.

GRASSLAND BIUMIE

U.S. INTERNATIONAL BIOLOGICAL PROGRAM

FIELD DATA SHEET--NEUTRON PROBE SOIL WATER

Check

Probe

Number

| Data Type | Site | Treatment | Transect or Replicate | Date | | | Initials | Deep Tube | Probe Number | Tube Number | Shield Count | 15 or 180 | 30 or 210 | 45 or 240 | 60 or 270 | 75 or 300 | 90 | 120 | 150 | Count Time (min) |
|---|------|-----------|-----------------------|------|-------|-------|----------|-----------|--------------|-------------|--------------|-----------|-----------|-----------|-----------|-----------|-------|-------|-------|------------------|
| | | | | Day | Month | Year | | | | | | cm | cm | cm | cm | cm | cm | cm | cm | |
| 1-2 | 3-4 | 5 | 6 | 7-8 | 9-10 | 11-12 | 13-15 | 16 | 17-18 | 19-20 | 21-25 | 26-30 | 31-35 | 36-40 | 41-45 | 46-50 | 51-55 | 56-60 | 61-65 | 66-70 |
| 53 | 11 | D | 1 | 26 | 08 | 85 | DLH | Aug 26 | ESA 3 | 41577 | — | 15145 | 19649 | 15117 | 12119 | 10854 | | | | 1 |
| | | | | | | | | Aug 26 | ESA 2 | 41495 | — | 11621 | 14106 | 12527 | 10485 | 9366 | | | | 1 |
| | | | | | | | | Aug 26 | ESA 1 | 40890 | — | 10800 | 17147 | 11835 | 13539 | 12362 | | | | 1 |
| Data Type <u>XV</u> 53 Neutron probe soil water N 53 11 D 1 09 09 85 DLH Site <u>XVI</u> 11 Pawnee Treatment <u>XVII</u> 53 11 D 1 23 09 85 DLH 1 Ungrazed 2 Lightly grazed 3 Moderately grazed 4 Heavily grazed 5 Grazed 69, Ungrazed 70 A Diet light B Diet moderate C Diet heavy D ESA - 0 E ESA - W F ESA - N G ESA - WH H Lynn Lake J Winter grazed Tube Code 0 Regular tube 1 Deep tube | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | Sept 9 | ESA 3 | 41910 | — | 15193 | 19489 | 14612 | 11843 | 10420 | | | | 1 |
| | | | | | | | | Sept 9 | ESA 2 | 42467 | — | 11893 | 13938 | 12233 | 10451 | 9445 | | | | 1 |
| | | | | | | | | Sept 9 | ESA 1 | 41634 | — | 10651 | 17281 | 19484 | 15357 | 12328 | | | | 1 |
| | | | | | | | | Sept 23 | ESA 3 | 42604 | — | 15700 | 19592 | 14726 | 11570 | 10446 | | | | 1 |
| | | | | | | | | Sept 23 | ESA 2 | 41970 | — | 12012 | 13923 | 12390 | 10391 | 09349 | | | | 1 |
| | | | | | | | | Sept 23 | ESA 1 | 42441 | — | 11524 | 17267 | 14615 | 15574 | 12049 | | | | 1 |
| | | | | | | | | Oct 21 | ESA 3 | 42351 | — | 22508 | 20625 | 14983 | 11991 | 10293 | | | | 1 |
| | | | | | | | | Oct 21 | ESA 2 | 42028 | — | 17473 | 14663 | 12548 | 10593 | 9396 | | | | 1 |
| | | | | | | | | Oct 21 | ESA 1 | 41834 | — | 19582 | 18804 | 19773 | 15541 | 12184 | | | | 1 |