

# Rangeland Productivity and Plant Composition

United States

[Only the soils that support rangeland vegetation suitable for grazing are rated. This report shows only the major soils in each map unit]

| Map symbol and soil name | Ecological site | Total dry-weight production |              |                  | Characteristic vegetation  | Rangeland composition                                    |
|--------------------------|-----------------|-----------------------------|--------------|------------------|--|--|
|                          |                 | Favorable year              | Normal year  | Unfavorable year |  |  |
|                          |                 | <i>Lb/ac</i>                | <i>Lb/ac</i> | <i>Lb/ac</i>     |  | <i>Pct</i>   |
| s5508:                   |                 |                             |              |                  |  |  |
| Mclvey                   | ---             | 1,200                       | 900          | 600              | Idaho fescue<br>Bluebunch wheatgrass<br>Mountain big sagebrush<br>Antelope bitterbrush<br>Arrowleaf balsamroot<br>Basin wildrye<br>Tapertip hawksbeard<br>Thurber needlegrass  | 35<br>15<br>15<br>10<br>5<br>5<br>5<br>5                 |
| Akler                    | ---             | 800                         | 600          | 400              | Bluebunch wheatgrass<br>Low sagebrush<br>Thurber needlegrass<br>Antelope bitterbrush<br>Balsamroot<br>Bluegrass<br>Webber ricegrass  | 30<br>20<br>20<br>5<br>5<br>5<br>5                       |
| Arcia                    | ---             | 1,200                       | 900          | 600              | Idaho fescue<br>Bluebunch wheatgrass<br>Arrowleaf balsamroot<br>Basin wildrye<br>Other shrubs<br>Antelope bitterbrush<br>Mountain big sagebrush<br>Nevada bluegrass<br>Snowberry<br>Tapertip hawksbeard<br>Thurber needlegrass | 30<br>15<br>10<br>10<br>10<br>5<br>5<br>5<br>5<br>5<br>5 |

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|-----------------------------|-----------------|-----------------------------|----------------|---------------------|---------------------------|--------------------------|
|                             |                 | Favorable<br>year           | Normal<br>year | Unfavorable<br>year |                           |                          |
|                             |                 | <i>Lb/ac</i>                | <i>Lb/ac</i>   | <i>Lb/ac</i>        |                           | <i>Pct</i>               |
| s5508:                      |                 |                             |                |                     |                           |                          |
| Lerrow                      | ---             | 1,300                       | 900            | 600                 | Idaho fescue              | 30                       |
|                             |                 |                             |                |                     | Bluebunch wheatgrass      | 25                       |
|                             |                 |                             |                |                     | Basin big sagebrush       | 10                       |
|                             |                 |                             |                |                     | Arrowleaf balsamroot      | 5                        |
|                             |                 |                             |                |                     | Tapertip hawksbeard       | 5                        |
| Loncan                      | ---             | 1,200                       | 900            | 600                 | Bluebunch wheatgrass      | 25                       |
|                             |                 |                             |                |                     | Idaho fescue              | 20                       |
|                             |                 |                             |                |                     | Antelope bitterbrush      | 10                       |
|                             |                 |                             |                |                     | Mountain big sagebrush    | 10                       |
|                             |                 |                             |                |                     | Thurber needlegrass       | 10                       |
|                             |                 |                             |                |                     | Basin wildrye             | 5                        |
|                             |                 |                             |                |                     | Serviceberry              | 5                        |
| Cleavage                    | ---             | 350                         | 250            | 150                 | Idaho fescue              | 15                       |
|                             |                 |                             |                |                     | Low sagebrush             | 15                       |
|                             |                 |                             |                |                     | Black sagebrush           | 10                       |
|                             |                 |                             |                |                     | Bluegrass                 | 10                       |
|                             |                 |                             |                |                     | Webber ricegrass          | 10                       |
|                             |                 |                             |                |                     | Bluebunch wheatgrass      | 5                        |
|                             |                 |                             |                |                     | Bottlebrush squirreltail  | 5                        |
|                             |                 |                             |                |                     | Douglas rabbitbrush       | 5                        |
|                             |                 |                             |                |                     | Phlox                     | 5                        |
|                             |                 |                             |                |                     | Sandwort                  | 5                        |

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|                             |                 | Favorable<br>year           | Normal<br>year | Unfavorable<br>year |  |  |
|                             |                 | <i>Lb/ac</i>                | <i>Lb/ac</i>   | <i>Lb/ac</i>        |  | <i>Pct</i>                                 |
| s5508:                      |                 |                             |                |                     |  |  |
| Cleavage                    | ---             | 1,000                       | 700            | 400                 | Idaho fescue<br>Bluebunch wheatgrass<br>Low sagebrush<br>Balsamroot<br>Bluegrass<br>Bottlebrush squirreltail   | 40<br>15<br>15<br>5<br>5<br>5              |
| Eboda                       | ---             | 1,300                       | 900            | 600                 | Idaho fescue<br>Bluebunch wheatgrass<br>Big sagebrush<br>Bluegrass<br>Arrowleaf balsamroot<br>Rabbitbrush<br>Tapertip hawksbeard                     | 35<br>20<br>15<br>10<br>5<br>5<br>5        |
| Leevan                      | ---             | 1,000                       | 700            | 400                 | Idaho fescue<br>Bluebunch wheatgrass<br>Other perennial forbs<br>Low sagebrush<br>Other perennial grasses<br>Other shrubs<br>Balsamroot<br>Bluegrass | 40<br>20<br>20<br>15<br>10<br>10<br>5<br>5 |
| Leevan                      | ---             | 1,000                       | 700            | 400                 | Idaho fescue<br>Bluebunch wheatgrass<br>Low sagebrush<br>Balsamroot<br>Bluegrass   | 40<br>20<br>15<br>5<br>5                   |

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|-----------------------------|-----------------|-----------------------------|----------------|---------------------|--|--|
|                             |                 | Favorable<br>year           | Normal<br>year | Unfavorable<br>year |  |  |
|                             |                 | <i>Lb/ac</i>                | <i>Lb/ac</i>   | <i>Lb/ac</i>        |  | <i>Pct</i>                               |
| s5508:                      |                 |                             |                |                     |  |  |
| Sumine                      | ---             | 1,300                       | 900            | 700                 | Bluebunch wheatgrass<br>Antelope bitterbrush<br>Basin wildrye<br>Mountain big sagebrush<br>Arrowleaf balsamroot<br>Idaho fescue<br>Nevada bluegrass<br>Thurber needlegrass | 40<br>10<br>10<br>10<br>5<br>5<br>5<br>5 |
| Chen                        | ---             | 1,000                       | 800            | 500                 | Idaho fescue<br>Bluebunch wheatgrass<br>Low sagebrush<br>Bluegrass<br>Thurber needlegrass  | 40<br>25<br>15<br>10<br>5                |
| Chen                        | ---             | 1,000                       | 800            | 500                 | Idaho fescue<br>Bluebunch wheatgrass<br>Low sagebrush<br>Bluegrass<br>Antelope bitterbrush<br>Balsamroot   | 30<br>20<br>15<br>10<br>5<br>5           |
| Quarz                       | ---             | 1,300                       | 900            | 700                 | Bluebunch wheatgrass<br>Basin wildrye<br>Mountain big sagebrush<br>Antelope bitterbrush<br>Bluegrass<br>Tapertip hawksbeard<br>Thurber needlegrass                         | 45<br>10<br>10<br>5<br>5<br>5<br>5       |

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|                             |                 | Favorable<br>year           | Normal<br>year | Unfavorable<br>year |  |                                     |
|                             |                 | <i>Lb/ac</i>                | <i>Lb/ac</i>   | <i>Lb/ac</i>        |  | <i>Pct</i>                          |
| s5508:                      |                 |                             |                |                     |  |                                     |
| Quarz                       | ---             | 1,300                       | 900            | 700                 | Bluebunch wheatgrass<br>Antelope bitterbrush<br>Basin wildrye<br>Mountain big sagebrush<br>Bluegrass<br>Tapertip hawksbeard<br>Thurber needlegrass | 40<br>10<br>10<br>10<br>5<br>5<br>5 |
| Tusel                       | ---             | 1,400                       | 1,000          | 700                 | Idaho fescue<br>Bluebunch wheatgrass<br>Mountain big sagebrush<br>Mountain brome<br>Nevada bluegrass<br>Snowberry                                  | 50<br>5<br>5<br>5<br>5<br>5         |
| Welch                       | ---             | 2,500                       | 1,900          | 1,200               | Basin wildrye<br>Basin big sagebrush<br>Nevada bluegrass<br>Mat muhly<br>Rabbitbrush<br>Sedge  | 55<br>15<br>10<br>5<br>5<br>5       |
| Crooked Creek               | ---             | 2,000                       | 1,700          | 1,000               | Tufted hairgrass<br>Alpine timothy<br>Nevada bluegrass<br>Cinquefoil<br>Sedge<br>Sierra clover   | 50<br>10<br>10<br>5<br>5<br>5       |

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|                             |                 | Favorable<br>year           | Normal<br>year | Unfavorable<br>year |                           |                          |
|                             |                 | <i>Lb/ac</i>                | <i>Lb/ac</i>   | <i>Lb/ac</i>        |                           |                          |
| s5508:                      |                 |                             |                |                     |                           |                          |
| Hackwood                    | ---             | 800                         | 600            | 400                 | Antelope bitterbrush      | 5                        |
|                             |                 |                             |                |                     | Bluebunch wheatgrass      | 5                        |
|                             |                 |                             |                |                     | Bulbous oniongrass        | 5                        |
|                             |                 |                             |                |                     | Carrotleaf lomatium       | 5                        |
|                             |                 |                             |                |                     | Columbia needlegrass      | 5                        |
|                             |                 |                             |                |                     | Geranium                  | 5                        |
|                             |                 |                             |                |                     | Horsemint giant hyssop    | 5                        |
|                             |                 |                             |                |                     | Mountain big sagebrush    | 5                        |
|                             |                 |                             |                |                     | Mountain brome            | 5                        |
|                             |                 |                             |                |                     | Nevada bluegrass          | 5                        |
|                             |                 |                             |                |                     | Quaking aspen             | 5                        |
|                             |                 |                             |                |                     | Serviceberry              | 5                        |
|                             |                 |                             |                |                     | Slender wheatgrass        | 5                        |
|                             |                 |                             |                |                     | Snowberry                 | 5                        |
| Hapgood                     | ---             | 2,600                       | 1,800          | 1,400               | Mountain brome            | 15                       |
|                             |                 |                             |                |                     | Idaho fescue              | 10                       |
|                             |                 |                             |                |                     | Quaking aspen             | 10                       |
|                             |                 |                             |                |                     | Slender wheatgrass        | 10                       |
|                             |                 |                             |                |                     | Butterweed                | 5                        |
|                             |                 |                             |                |                     | Common chokecherry        | 5                        |
|                             |                 |                             |                |                     | Geranium                  | 5                        |
|                             |                 |                             |                |                     | Letterman needlegrass     | 5                        |
|                             |                 |                             |                |                     | Melic                     | 5                        |
|                             |                 |                             |                |                     | Snowberry                 | 5                        |

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|                             |                 | Favorable<br>year           | Normal<br>year | Unfavorable<br>year |   |  |
|                             |                 | <i>Lb/ac</i>                | <i>Lb/ac</i>   | <i>Lb/ac</i>        |   | <i>Pct</i>                               |
| s5508:<br>Pernog            | ---             | 900                         | 600            | 400                 | Bluebunch wheatgrass<br>Curlleaf mountainmahogany<br>Pine bluegrass<br>Thurber needlegrass<br>Basin wildrye<br>Bottlebrush squirreltail<br>Indian ricegrass<br>Mountain big sagebrush | 20<br>10<br>10<br>10<br>5<br>5<br>5<br>5 |