

# 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 |                           |                       |
|                          |                 | Lb/ac                       | Lb/ac       | Lb/ac            |                           | Pct                   |
| s5790:                   |                 |                             |             |                  |                           |                       |
| Hayeston                 | ---             | 800                         | 600         | 400              | Indian ricegrass          | 25                    |
|                          |                 |                             |             |                  | Wyoming big sagebrush     | 20                    |
|                          |                 |                             |             |                  | Needleandthread           | 15                    |
|                          |                 |                             |             |                  | Bottlebrush squirreltail  | 10                    |
|                          |                 |                             |             |                  | Bluegrass                 | 5                     |
| Perwick                  | ---             | ---                         | ---         | ---              | ---                       | ---                   |
| Puett                    | ---             | ---                         | ---         | ---              | ---                       | ---                   |
| Tulase                   | ---             | 800                         | 600         | 400              | Thurber needlegrass       | 20                    |
|                          |                 |                             |             |                  | Wyoming big sagebrush     | 15                    |
|                          |                 |                             |             |                  | Bluebunch wheatgrass      | 10                    |
|                          |                 |                             |             |                  | Basin wildrye             | 5                     |
|                          |                 |                             |             |                  | Bottlebrush squirreltail  | 5                     |
|                          |                 |                             |             |                  | Downy rabbitbrush         | 5                     |
|                          |                 |                             |             |                  | Indian ricegrass          | 5                     |
|                          |                 |                             |             |                  | Pine bluegrass            | 5                     |
|                          |                 |                             |             |                  | Sandberg bluegrass        | 5                     |
|                          |                 |                             |             |                  | Webber ricegrass          | 5                     |
| Perwick                  | ---             | 200                         | 150         | 100              | Indian ricegrass          | 25                    |
|                          |                 |                             |             |                  | Wyoming big sagebrush     | 25                    |
|                          |                 |                             |             |                  | Black sagebrush           | 10                    |
|                          |                 |                             |             |                  | Bottlebrush squirreltail  | 10                    |
|                          |                 |                             |             |                  | Bluegrass                 | 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>               |
| s5790:                      |                 |                             |                |                     |                           |                          |
| Pineval                     | ---             | 800                         | 600            | 400                 | Thurber needlegrass       | 25                       |
|                             |                 |                             |                |                     | Wyoming big sagebrush     | 15                       |
|                             |                 |                             |                |                     | Basin wildrye             | 10                       |
|                             |                 |                             |                |                     | Bluebunch wheatgrass      | 10                       |
|                             |                 |                             |                |                     | Bluegrass                 | 10                       |
|                             |                 |                             |                |                     | Indian ricegrass          | 5                        |
|                             |                 |                             |                |                     | Webber ricegrass          | 5                        |
| Kodra                       | ---             | 800                         | 600            | 400                 | Thurber needlegrass       | 20                       |
|                             |                 |                             |                |                     | Bluebunch wheatgrass      | 10                       |
|                             |                 |                             |                |                     | Bluegrass                 | 10                       |
|                             |                 |                             |                |                     | Indian ricegrass          | 10                       |
|                             |                 |                             |                |                     | Webber ricegrass          | 10                       |
|                             |                 |                             |                |                     | Wyoming big sagebrush     | 10                       |
|                             |                 |                             |                |                     | Basin wildrye             | 5                        |
|                             |                 |                             |                |                     | Bottlebrush squirreltail  | 5                        |
| Enko                        | ---             | 800                         | 600            | 400                 | Bluebunch wheatgrass      | 20                       |
|                             |                 |                             |                |                     | Indian ricegrass          | 15                       |
|                             |                 |                             |                |                     | Thurber needlegrass       | 15                       |
|                             |                 |                             |                |                     | Wyoming big sagebrush     | 15                       |
|                             |                 |                             |                |                     | Basin wildrye             | 10                       |
|                             |                 |                             |                |                     | Bluegrass                 | 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>                              |
| s5790:                      |                 |                             |                |                     |  |   |
| Puett                       | ---             | 200                         | 150            | 100                 | Indian ricegrass<br>Black sagebrush<br>Wyoming big sagebrush<br>Bottlebrush squirreltail<br>Basin wildrye<br>Downy rabbitbrush<br>Sandberg bluegrass         | 20<br>15<br>15<br>10<br>5<br>5<br>5     |
| Toeja                       | ---             | 1,000                       | 750            | 600                 | Bluebunch wheatgrass<br>Thurber needlegrass<br>Big sagebrush<br>Basin wildrye<br>Tapertip hawksbeard   | 30<br>20<br>15<br>5<br>5                |
| Orovada                     | ---             | 800                         | 600            | 400                 | Bluebunch wheatgrass<br>Thurber needlegrass<br>Big sagebrush<br>Indian ricegrass<br>Basin wildrye<br>Bluegrass<br>Globemallow                                | 30<br>20<br>15<br>10<br>5<br>5<br>5     |
| Bosco                       | ---             | 2,500                       | 1,800          | 1,200               | Basin wildrye<br>Other perennial grasses<br>Basin big sagebrush<br>Lupine<br>Nevada bluegrass<br>Other perennial forbs<br>Other shrubs<br>Rubber rabbitbrush | 50<br>15<br>10<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>                |                          |
| s5790:                      |                 |                             |                |                     |                           |                          |
| Perwick variant             | ---             | 800                         | 600            | 400                 | Thurber needlegrass       | 30                       |
|                             |                 |                             |                |                     | Wyoming big sagebrush     | 20                       |
|                             |                 |                             |                |                     | Bluebunch wheatgrass      | 10                       |
|                             |                 |                             |                |                     | Basin wildrye             | 5                        |
|                             |                 |                             |                |                     | Bluegrass                 | 5                        |
|                             |                 |                             |                |                     | Bottlebrush squirreltail  | 5                        |
|                             |                 |                             |                |                     | Downy rabbitbrush         | 5                        |
|                             |                 |                             |                |                     | Indian ricegrass          | 5                        |
| Simon                       | ---             | 1,000                       | 800            | 600                 | Bluebunch wheatgrass      | 30                       |
|                             |                 |                             |                |                     | Thurber needlegrass       | 15                       |
|                             |                 |                             |                |                     | Basin big sagebrush       | 10                       |
|                             |                 |                             |                |                     | Antelope bitterbrush      | 5                        |
|                             |                 |                             |                |                     | Arrowleaf balsamroot      | 5                        |
|                             |                 |                             |                |                     | Basin wildrye             | 5                        |
|                             |                 |                             |                |                     | Bluegrass                 | 5                        |
|                             |                 |                             |                |                     | Bottlebrush squirreltail  | 5                        |
|                             |                 |                             |                |                     | Other perennial grasses   | 5                        |
|                             |                 |                             |                |                     | Tapertip hawksbeard       | 5                        |
|                             |                 |                             |                |                     | Lupine                    | 3                        |
|                             |                 |                             |                |                     | Other perennial forbs     | 3                        |