

# 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>     |                           |                       |
| s5429:                   |                 |                             |              |                  |                           |                       |
| Soonahbe                 | ---             | 1,300                       | 1,000        | 600              | Bluebunch wheatgrass      | 25                    |
|                          |                 |                             |              |                  | Basin big sagebrush       | 20                    |
|                          |                 |                             |              |                  | Idaho fescue              | 15                    |
|                          |                 |                             |              |                  | Bluegrass                 | 10                    |
|                          |                 |                             |              |                  | Antelope bitterbrush      | 5                     |
|                          |                 |                             |              |                  | Arrowleaf balsamroot      | 5                     |
|                          |                 |                             |              |                  | Other perennial forbs     | 5                     |
|                          |                 |                             |              |                  | Other perennial grasses   | 5                     |
|                          |                 |                             |              |                  | Other shrubs              | 5                     |
|                          |                 |                             |              |                  | Tapertip hawksbeard       | 5                     |
| Thacker                  | ---             | 1,300                       | 1,000        | 600              | Idaho fescue              | 25                    |
|                          |                 |                             |              |                  | Basin big sagebrush       | 20                    |
|                          |                 |                             |              |                  | Bluebunch wheatgrass      | 10                    |
|                          |                 |                             |              |                  | Antelope bitterbrush      | 5                     |
|                          |                 |                             |              |                  | Arrowleaf balsamroot      | 5                     |
|                          |                 |                             |              |                  | Downy rabbitbrush         | 5                     |
|                          |                 |                             |              |                  | Lupine                    | 5                     |
|                          |                 |                             |              |                  | Nevada bluegrass          | 5                     |
|                          |                 |                             |              |                  | Other perennial forbs     | 5                     |
|                          |                 |                             |              |                  | Other perennial grasses   | 5                     |
|                          |                 |                             |              |                  | Other shrubs              | 5                     |
|                          |                 |                             |              |                  | Tapertip hawksbeard       | 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>        |                           |                          |
| s5429:                      |                 |                             |                |                     |                           |                          |
| Thacker                     | ---             | 1,300                       | 1,000          | 600                 | Idaho fescue              | 25                       |
|                             |                 |                             |                |                     | Basin big sagebrush       | 20                       |
|                             |                 |                             |                |                     | Bluebunch wheatgrass      | 10                       |
|                             |                 |                             |                |                     | Antelope bitterbrush      | 5                        |
|                             |                 |                             |                |                     | Arrowleaf balsamroot      | 5                        |
|                             |                 |                             |                |                     | Downy rabbitbrush         | 5                        |
|                             |                 |                             |                |                     | Lupine                    | 5                        |
|                             |                 |                             |                |                     | Nevada bluegrass          | 5                        |
|                             |                 |                             |                |                     | Other perennial forbs     | 5                        |
|                             |                 |                             |                |                     | Other perennial grasses   | 5                        |
|                             |                 |                             |                |                     | Other shrubs              | 5                        |
|                             |                 |                             |                |                     | Tapertip hawksbeard       | 5                        |
| Paynecreek                  | ---             | 1,300                       | 900            | 600                 | Bluebunch wheatgrass      | 25                       |
|                             |                 |                             |                |                     | Basin big sagebrush       | 20                       |
|                             |                 |                             |                |                     | Idaho fescue              | 15                       |
|                             |                 |                             |                |                     | Bluegrass                 | 10                       |
|                             |                 |                             |                |                     | Arrowleaf balsamroot      | 5                        |
|                             |                 |                             |                |                     | Basin wildrye             | 5                        |
|                             |                 |                             |                |                     | Other perennial forbs     | 5                        |
|                             |                 |                             |                |                     | Other perennial grasses   | 5                        |
|                             |                 |                             |                |                     | Rabbitbrush               | 5                        |
|                             |                 |                             |                |                     | Tapertip hawksbeard       | 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>        |                           |                          |
| s5429:                      |                 |                             |                |                     |                           | <i>Pct</i>               |
| Paynecreek                  | ---             | 1,300                       | 900            | 600                 | Bluebunch wheatgrass      | 25                       |
|                             |                 |                             |                |                     | Basin big sagebrush       | 20                       |
|                             |                 |                             |                |                     | Idaho fescue              | 15                       |
|                             |                 |                             |                |                     | Bluegrass                 | 10                       |
|                             |                 |                             |                |                     | Arrowleaf balsamroot      | 5                        |
|                             |                 |                             |                |                     | Basin wildrye             | 5                        |
|                             |                 |                             |                |                     | Other perennial forbs     | 5                        |
|                             |                 |                             |                |                     | Other perennial grasses   | 5                        |
|                             |                 |                             |                |                     | Rabbitbrush               | 5                        |
|                             |                 |                             |                |                     | Tapertip hawksbeard       | 5                        |
| Paynecreek                  | ---             | 1,300                       | 900            | 600                 | Bluebunch wheatgrass      | 25                       |
|                             |                 |                             |                |                     | Basin big sagebrush       | 20                       |
|                             |                 |                             |                |                     | Idaho fescue              | 15                       |
|                             |                 |                             |                |                     | Bluegrass                 | 10                       |
|                             |                 |                             |                |                     | Arrowleaf balsamroot      | 5                        |
|                             |                 |                             |                |                     | Basin wildrye             | 5                        |
|                             |                 |                             |                |                     | Other perennial forbs     | 5                        |
|                             |                 |                             |                |                     | Other perennial grasses   | 5                        |
|                             |                 |                             |                |                     | Rabbitbrush               | 5                        |
|                             |                 |                             |                |                     | Tapertip hawksbeard       | 5                        |

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| Map symbol<br>and soil name | Ecological site | Total dry-weight production |                |                     | Characteristic vegetation   | Rangeland<br>composition                           |
|-----------------------------|-----------------|-----------------------------|----------------|---------------------|---|--|
|                             |                 | Favorable<br>year           | Normal<br>year | Unfavorable<br>year |   |  |
|                             |                 | <i>Lb/ac</i>                | <i>Lb/ac</i>   | <i>Lb/ac</i>        |   | <i>Pct</i>   |
| s5429:<br>Soonahbe          | ---             | 1,300                       | 1,000          | 600                 | Bluebunch wheatgrass<br>Basin big sagebrush<br>Idaho fescue<br>Bluegrass<br>Antelope bitterbrush<br>Arrowleaf balsamroot<br>Other perennial forbs<br>Other perennial grasses<br>Other shrubs<br>Tapertip hawksbeard | 25<br>20<br>15<br>10<br>5<br>5<br>5<br>5<br>5<br>5 |