

# 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>                |                       |
| s5421:                   |                 |                             |              |                  |                           |                       |
| Aquinas                  | ---             | 700                         | 600          | 500              | Thurber needlegrass       | 20                    |
|                          |                 |                             |              |                  | Wyoming big sagebrush     | 20                    |
|                          |                 |                             |              |                  | Antelope bitterbrush      | 10                    |
|                          |                 |                             |              |                  | Indian ricegrass          | 10                    |
|                          |                 |                             |              |                  | Basin wildrye             | 5                     |
|                          |                 |                             |              |                  | Douglas rabbitbrush       | 5                     |
|                          |                 |                             |              |                  | Other annual forbs        | 5                     |
|                          |                 |                             |              |                  | Other perennial forbs     | 5                     |
|                          |                 |                             |              |                  | Other perennial grasses   | 5                     |
|                          |                 |                             |              |                  | Other shrubs              | 5                     |
|                          |                 |                             |              |                  | Western juniper           | 5                     |
| Galeppi                  | ---             | 900                         | 700          | 600              | Thurber needlegrass       | 20                    |
|                          |                 |                             |              |                  | Wyoming big sagebrush     | 20                    |
|                          |                 |                             |              |                  | Antelope bitterbrush      | 10                    |
|                          |                 |                             |              |                  | Basin wildrye             | 10                    |
|                          |                 |                             |              |                  | Other perennial grasses   | 10                    |
|                          |                 |                             |              |                  | Other perennial forbs     | 5                     |
|                          |                 |                             |              |                  | Anderson peachbrush       | 1                     |
|                          |                 |                             |              |                  | Green ephedra             | 1                     |
|                          |                 |                             |              |                  | Indian ricegrass          | 1                     |

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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>               |
| s5421:                      |                 |                             |                |                     |                           |                          |
| Galeppi                     | ---             | 900                         | 700            | 600                 | Thurber needlegrass       | 20                       |
|                             |                 |                             |                |                     | Wyoming big sagebrush     | 20                       |
|                             |                 |                             |                |                     | Antelope bitterbrush      | 10                       |
|                             |                 |                             |                |                     | Basin wildrye             | 10                       |
|                             |                 |                             |                |                     | Other perennial grasses   | 10                       |
|                             |                 |                             |                |                     | Other perennial forbs     | 5                        |
|                             |                 |                             |                |                     | Anderson peachbrush       | 1                        |
|                             |                 |                             |                |                     | Green ephedra             | 1                        |
|                             |                 |                             |                |                     | Indian ricegrass          | 1                        |
| Galeppi                     | ---             | 900                         | 600            | 500                 | Thurber needlegrass       | 20                       |
|                             |                 |                             |                |                     | Wyoming big sagebrush     | 20                       |
|                             |                 |                             |                |                     | Bluebunch wheatgrass      | 10                       |
|                             |                 |                             |                |                     | Antelope bitterbrush      | 5                        |
|                             |                 |                             |                |                     | Basin wildrye             | 5                        |
|                             |                 |                             |                |                     | Douglas rabbitbrush       | 5                        |
|                             |                 |                             |                |                     | Indian ricegrass          | 5                        |
| Calpine                     | ---             | 1,000                       | 800            | 600                 | Needleandthread           | 20                       |
|                             |                 |                             |                |                     | Antelope bitterbrush      | 15                       |
|                             |                 |                             |                |                     | Big sagebrush             | 10                       |
|                             |                 |                             |                |                     | Indian ricegrass          | 10                       |
|                             |                 |                             |                |                     | Desert needlegrass        | 5                        |
|                             |                 |                             |                |                     | Thurber needlegrass       | 5                        |