



### Instructions for Worksheet for Determining Similarity Index

|  |  |
|--|--|
| <b>A. Species name</b>   | Enter the common or scientific name of the plant species.  |
| <b>B. Green wt. pounds</b>   | Enter the fresh clipped weight of each species.  |
| <b>C. Percent dry weight</b>   | Enter the percent air dry weight or oven dry weight as a decimal value.  |
| <b>D. Percent current growth ungrazed</b>                              | Enter the estimated percent (as a decimal value) of the current growth that has not been removed by grazing or harvest.  |
| <b>E. Percent growth curve completed</b>                               | Enter the percent (as a decimal value) of the current years growth for each species that should normally have occurred by the date of this determination.  |
| <b>F. Percent of normal production</b>                                 | Enter an estimation of the current years forage growth in comparison to normal expressed as a percent (as a decimal value) of normal. Example: .9 means the year's production is 90% of normal or 10% below normal. 1.1 is 110% of normal or 10% above normal. |
| <b>G. Reconstruction factor</b>  | This factor is calculated by dividing (C) Percent dry weight by the product obtained by multiplying (D) Percent current growth ungrazed times (E) Percent growth curve completed times (F) Percent of normal production.<br>$(C / D \times E \times F = G)$    |
| <b>H. Reconstructed present weight</b>                                 | This value is calculated by multiplying (B) Green weight in pounds by (G) the Reconstruction factor. $(B \times G = H)$  |
| <b>I. Pounds in reference vegetation state</b>                         | Enter the pounds for each plant species as shown in the appropriate reference vegetation state in the ecological site description.   |
| <b>J. Pounds allowable</b>   | Enter the lesser of (H) Reconstructed present weight or (I) pounds. No more than the pounds in the reference vegetation state plant community may be counted in determining similarity index.  |
| <b>K. Total normal annual production in reference vegetation state</b> | This is the total normal product of all plants shown in the appropriate reference vegetation state plant community description of the ecological site description.   |
| <b>L. Total pounds of allowable present</b>                            | This is the total of all weight shown in column (J). It is all the weight that is allowed to count toward determining similarity index.  |
| <b>M. Similarity index</b>   | This is calculated by dividing (L) Total pounds of allowable present by (K) total Normal annual production and multiplying by 100 to express it as a percent.<br>$(L / K \times 100 = M)$  |