**4-H Range Evaluation Contest**

**Ecological Site Description & Plant Production Worksheet, Part IIa**

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| --- | --- | --- | --- | --- | --- |
| **Plant Number** | **Plant Groups & Species Names** | **Desirable (D) or Undesirable (U)** | **Historic Climax Plant Community (HCPC)**  **(lbs/acre)** | **Allowable Production (lbs/acre)** | **Desirable Annual Production**  **(lbs/acre)** |
| ***Grasses/Grasslike*** |
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|  |  | } | } | } |  |
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|  | ***Forbs & Legumes*** |  |  |  |  |
|  |  | } | } | } |  |
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|  |  |  |
|  | ***Woody Plants*** |  |  |  |  |
|  |  | } | } | } |  |
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|  | **Total** |  |  |  |  |

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| **Plant Number** | | | **1** | **2** | | **3** | **4** | **5** | | **6** | | **7** | **8** | | **9** | **10** |
| **Production, lbs/acre** | | |  |  | |  |  |  | |  | |  |  | |  |  |
| **Similarity Index (SI) = (\_\_\_\_\_\_ \_\_\_\_\_Allowable lbs/acre ÷ \_\_\_\_\_\_\_\_\_\_\_HCPC production lbs/acre) \* 100 =\_\_\_\_\_\_\_\_%**  ***Transfer this number to Part II Score Sheet***  **Recommended Stocking Rate Calculation:**   1. **Desirable Annual Production (lbs/ac)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ÷ 4 = Usable Forage \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(lbs/ac)** 2. **Recommended Stocking Rate (ac/auy)**   **10,000 lbs/animal unit year ÷ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­ Usable Forage (lbs/ac) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ac/auy**  ***Transfer this number to Part II Score Sheet*** | | | | | | | | | | | | | | | | |
| **Check** | **Grazing Decisions** | | | | | | | | **Improvement Decisions** | | | | | | | |
| **Ranch Situation:** | | | | | | | | | | | | | | | | |
| **Possible Invasive/Noxious Plants for this site. Use this list for Part III Plot Range Health.** | | | | | | | | | | | | | | | | |
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