

compiled by  
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19. Relative yields per plot in grams green weight of different legumes grown on soils of varying amounts of salinity.

| Legume             | Green Yield<br>Control | Yield in Per Cent of Control |             |           |
|--------------------|------------------------|------------------------------|-------------|-----------|
|                    |                        | Low Salt                     | Medium Salt | High Salt |
| Soil salinity ppm. | 300                    | 1000                         | 1250        | 1500      |
| Birdsfoot trefoil  | 17,722                 | 58.3                         | 44.1        | 35.3      |
| Big trefoil        | 11,707                 | 33.0                         | 16.2        | 2.7       |
| Red clover         | 15,590                 | 28.4                         | 7.0         | 1.7       |
| Alsike clover      | 16,867                 | 32.0                         | 10.8        | 2.9       |
| Ladino clover      | 15,114                 | 15.9                         | 1.4         | 0.4       |
| Strawberry clover  | 6,726                  | 39.1                         | 19.3        | 6.1       |

Ayers, Alvin D. Salt tolerance of birdsfoot trefoil. Jour. Amer. Soc. Agron. 40:331-334, 1948.

20. Response of Kentucky bluegrass seedlings to various numbers and heights of clippings as evidenced by herbage yields.

| Number of Clippings | Height of clippings<br>inches | Ave. total yield<br>of tops, grams |
|---------------------|-------------------------------|------------------------------------|
| 8                   | $\frac{1}{2}$                 | 4.7                                |
| 1                   | $\frac{1}{2}$                 | 11.5                               |
| 8                   | $1\frac{1}{2}$                | 6.1                                |
| 1                   | $1\frac{1}{2}$                | 14.4                               |

Graber, L. F. and H. W. Ream. Growth of bluegrass with various defoliations and abundant nitrogen supply. Jour. Amer. Soc. Agron. 23:938-944. 1931

21. Total yield and protein yield of pastures cut at various periods during the season.

| Frequency of Cutting | Air-dry Yield<br>pounds | Ave. Protein<br>Content, Percent | Total Protein<br>yield, pounds |
|----------------------|-------------------------|----------------------------------|--------------------------------|
| Every 7 days         | 111                     | 15.58                            | 17.4                           |
| Every 10 days        | 113                     | 14.84                            | 16.8                           |
| Every 20 days        | 115                     | 14.43                            | 16.6                           |
| Every 30 days        | 138                     | 12.67                            | 17.9                           |
| Once a year          | 197                     | 8.25                             | 16.3                           |

Ellett, W. B. and L. Carrier. The effect of frequent clipping on total yield and composition of grasses. Jour. Amer. Soc. Agron. 7:85-87. 1915