

# Plant Production & Calculate Initial Stocking Rate

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# **Estimating Forage Production**

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- 1. Determine sample area**
- 2. Clip, dry, and weigh forage for each plant community within representative areas**
- 3. Estimate the number of acres for each plant community**

# Estimating Forage Production

a	b	c	d	e	f	g	h	i
<b>Pasture or Grazing Area</b>	<b>Ecological Site Plant Community</b>	<b>Acres</b>	<b>Available grass and forb production (lbs/ac)</b>	<b>25% Grass and forb harvest efficiency forage (lbs/ac)</b>	<b>Available palatable shrub production (lbs/ac)</b>	<b>15% Browse harvest efficiency forage (lbs/ac)</b>	<b>Total harvest efficiency forage amount (lbs/ac)</b>	<b>Total ecological site plant community AMUs</b>

# Estimating Forage Production

1. For each ecological site plant community, enter acres (c), available grass and forb production (d), and available palatable shrub production (f).
2. Multiply available grass and forb production (d) by 0.25 to get grass and forb harvest efficiency forage amount (e).
3. Multiply available palatable shrub production (f) by 0.15 to get browse harvest efficiency forage amount (g).
4. Add (e) and (g) to get total harvest efficiency forage amount (h).

# Estimating Forage Production

5. Multiply (h) by acres (c) then divide by 800 lbs/AMU to get the total ecological site plant community AMUs

6. Add the AMUs (i) for all ecological site plant communities to get total ranch AMUs (subtotal by pasture)

7. Divide total AMUs by 12 to get animal units yearlong (AUYL) (subtotal by pasture)

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# THANK YOU

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