

EXAMPLE:

Supplementing Period		Stage of Production	Intake	Ibs. Needed/Cow	Ibs. Needed/Herd	Ibs. of Forage Available	Days of Forage	Choice of Supplement	Ibs./hd/d	Cost \$/hd/d	Total Ibs. of Supp. Needed	Total Cost
Beginning of Feeding Period	End of Feeding Period	Stage of production of the cow	Predicted As-Fed Intake	Predicted Intake + 20% for Waste	Ibs. Needed/Cow x Number of Cows	Number of Bales x Bale Weight	Ibs. of Forage Available + Ibs. Needed/Herd	Cheapest Supplement or Best Fitting Supplement	As-Fed Ibs. of Supplement Required per cow per day	Supplement Cost per Cow per Day	(Ibs./hd/d x Number of Cows) x Days of Forage	(Cost/hd/d x Number of Cows) x Days of Forage

Forage Option #1) Prairie Mix

Supplementing Period Start	Supplementing Period End	Stage of Production	Intake	Ibs. Needed/Cow	Ibs. Needed/Herd	Ibs. of Forage Available	Days of Forage	Choice of Supplement	Ibs./hd/d	Cost \$/hd/d	Total Ibs. of Supp. Needed	Total Cost
1/1/2019	3/1/2019	Last Trimester	29.7	35.64	1782	50,000	28.1	Gluten	0.24	\$0.03	336	\$42.00

- A.) Predicted As-Fed Intake from Forage Supplementation Program
- B.) 29.7 pounds As-Fed Intake x 1.20 = 35.64 pounds needed per cow per day
- C.) 35.64 pounds per cow per day x 50 cows = 1782 pounds needed for herd per day
- D.) 50 bales x 1000 pounds per bale = 50,000 pound of hay available
- E.) 50,000 pounds of hay ÷ 1782 pounds of hay needed for the herd per day = 28.1 day of a
- F.) Using the Program, which supplement is the cheapest (highlighted in orange)?
- G.) The program will give the supplementation Ibs. required of the supplement you pick "As-Fed Ibs. Req."
- H.) The program will give the supplementation cost for the supplement you pick "Supp. Cost \$/hd/d"
- I.) 0.24 Ibs./hd/d x 50 cows x 28 days of forage
- J.) \$0.03/hd/d x 50 cows x 28 Days of Forage

Forage Option #1) Stockpiled Native Range

Supplementing Period Start	Supplementing Period End	Stage of Production	Intake	Ibs. Needed/Cow	Ibs. Needed/Herd	Ibs. of Hay Available	Days of Forage	Choice of Supplement	Ibs./hd/d	Cost \$/hd/d	Total Ibs. of Supp. Needed	Total Cost
11/15/2019	12/15/2019	Mid-Gestation	-	-	-	-	30	37%	0.49	*0.08	735	*120

Forage Option #2) Pickens Pasture

Supplementing Period Start	Supplementing Period End	Stage of Production	Intake	Ibs. Needed/Cow	Ibs. Needed/Herd	Ibs. of Hay Available	Days of Forage	Choice of Supplement	Ibs./hd/d	Cost \$/hd/d	Total Ibs. of Supp. Needed	Total Cost
12/16/19	1/20/20	Late Gest	26.18	31.42	1571	55,000	35	Loan	3.18	*0.34	5565	*595

Forage Option #3) Central Pasture

Supplementing Period Start	Supplementing Period End	Stage of Production	Intake	Ibs. Needed/Cow	Ibs. Needed/Herd	Ibs. of Hay Available	Days of Forage	Choice of Supplement	Ibs./hd/d	Cost \$/hd/d	Total Ibs. of Supp. Needed	Total Cost
1/21/20	2/28/20	Late Gest.	29.66	35.6	1780	75,000	42	-	-	-	-	-

Forage Option #4)

Supplementing Period Start	Supplementing Period End	Stage of Production	Intake	Ibs. Needed/Cow	Ibs. Needed/Herd	Ibs. of Hay Available	Days of Forage	Choice of Supplement	Ibs./hd/d	Cost \$/hd/d	Total Ibs. of Supp. Needed	Total Cost
3/1/20	3/1/20	Lact.	33.75	40.5	2025	150,000	74	37%	0.65	*0.11	1950	*330

Total Supplementation Cost

**\*1045-**

will only use lbs days of forage

- Feeding 207 bales the way you used to do would cost \$3677.50. (24,300 lbs.)