Approximate Gestation Periods					
Service Date	Mare (340)	Cow (285)	Ewe (148)	Doe (151)	Sow (114)
1-Jan	6-Dec	12-Oct	28-May	31-May	30-Mar
1-Feb	6-Jan	12-Nov	28-Jun	1-Jul	25-May
1-Mar	4-Feb	11-Dec	27-Jul	30-Jul	23-Jun
1-Apr	7-Mar	11-Jan	27-Aug	30-Aug	24-Jul
1-May	6-Apr	10-Feb	26-Sep	29-Sep	23-Aug
1-Jun	7-May	13-Mar	27-Oct	30-Oct	23-Sep
1-Jul	6-Jun	12-Apr	26-Nov	29-Nov	23-Oct
1-Aug	7-Jul	13-May	27-Dec	30-Dec	23-Nov
1-Sep	7-Aug	13-Jun	27-Jan	30-Jan	24-Dec
1-Oct	6-Sep	13-Jul	26-Feb	1-Mar	23-Jan
1-Nov	7-Oct	13-Aug	29-Mar	1-Apr	23-Feb
1-Dec	6-Nov	12-Sep	28-Apr	1-May	25-Mar

Horses: 340 days
(48 weeks, 4 days)
Cattle: 285 days
(40 weeks, 5 days)
Sheep: 148 days
(21weeks, 1 day)
Goats: 151 days
(21 weeks, 4 days)
Swine: 114 days
(16 weeks, 2 days)

Normal Rectal Temperatures	°F	°C
Horse - Mare	100.0	37.8
Horse - Stallion	99.7	37.6
Cow - Beef	101.0	38.3
Cow - Dairy	101.5	38.6
Sheep	102.3	39.1
Goat	102.3	39.1
Pig	102.5	39.2

Forage Testing

Determining forage values and supplement requirements can only be done accurately if the forage composition is known. Excessive nitrate concentrations can cause reduced production or livestock death.

Contact your county extension agent to learn more about forage testing. A relatively small investment in testing can generate large savings in feed costs or prevent death loss.

Nitrate Toxicity in Forages (dry matter basis)

Level	% (DM)	ppm	Comments
Safe	< 0.25	< 2,500	Generally considered safe
Caution	0.25 – 0.50	2,500 – 5,000	Generally safe when fed with a balanced ration. For pregnant animals, limit to half of total dry ration.
Danger	0.50 – 1.50	5,000 – 15,000	Limit to no more than 25% of ration.
Toxic	> 1.50	> 15,000	Do not use in free-choice feeding programs.

from Forage Crop Pocket Guide, Potash & Phosphate Institute

Average Nutrient Content of Byproduct Feeds

Byproduct[1]	DM	TDN	CP	Ca	P
	% (Dry Matter basis) %				
Brewers grains	92	64	26	0.33	0.55
Citrus pulp	91	82	6	1.50	0.11
Corn gluten feed	90	83	25	0.36	0.82
Corn gluten meal	91	84	46	0.16	0.51
Corn grain	88	90	10	0.02	0.35
Cotton gin trash	91	44	7	0.65	0.12
Cottonseed hulls	91	42	4	0.15	0.09
Cottonseed meal	92	75	49	0.20	1.10
Cottonseed	92	92	23	0.16	0.70
Distiller grains[2]	94	86	23	0.11	0.43
Molasses (sugarcane)[3]	75	72	5	1.00	0.11
Peanut hulls	91	22	7	0.26	0.07
Peanut skins	92	65	17	0.26	0.07
Feathermeal	93	70	91	0.28	0.72
Rice bran (with germ)	91	70	14	0.08	1.70
Soybean hulls	91	76	12	0.53	0.18
Soybean meal	90	87	49	0.29	0.71
Wheat middlings[4]	89	69	18	0.17	1.00

[1] Values derived from multiple sources and vary depending on factors including year, season, processing, storage, handling, and contamination. Commodity feeds do not have guaranteed nutrient analyses. Storage and handling costs may offset savings from replacement of commercial feeds or supplement.
[2] Without solubles added.
[3] Black strap, > 79° brix. Includes no additives.
[4] Flour byproduct, < 9.5% fiber.

from **http://edis.ifas.ufl.edu/AN142**

Approximate Pounds Hay Required for Feeding Livestock

Type	lbs/animal/day
Cows, dry pregnant	15-20
Cows, with calves	25-28
Replacement heifers	10-12
Bred yearling heifers	18-23
Herd bulls	28-30
Stocker steers	10-14
Horse	24-30
Sheep	3-6
Goat	2-5

Total lbs/day **X** day fed **X** number of animals **=** total lbs needed
Total lbs needed ÷ 2000 **=** tons needed

from Forage Crop Pocket Guide, Potash & Phosphate Institute