

GRAZING PLANNING CALCULATIONS



1	Type of grazing livestock	Dairy cows
2	Number of grazing livestock	50
3	Average body weight of grazing livestock	1200 pounds
4	Estimated dry matter intake (DMI) as a % of body weight	3%
5	Calculate daily DMI for a single animal (line 3) x (line 4)	36 pounds
6	Calculate DMI for the herd (line 2) x (line 5)	1800 pounds
7	Occupancy period	1 day
8	Estimated available forage dry matter in pounds per acre	1200 pounds
9	Calculate estimated paddock size [(line 6) / (line 8)] x (line 7)	1.5 acres

		May	June	July	August	September	October
10	Estimated paddock recovery period	12	24	30	36	42	60
11	Calculate estimated number of paddocks needed [(line 10)/ (line 7)] + 1	13	25	31	37	43	61
12	Calculate total acres needed for grazing (line 9) x (line 11)	19.5	37.5	46.5	55.5	64.5	91.5

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5	Calculate daily DMI for a single animal (line 3) x (line 4)	
6	Calculate DMI for the herd (line 2) x (line 5)	
7	Occupancy period	
8	Estimated available forage dry matter in pounds per acre	
9	Calculate estimated paddock size [(line 6) / (line 8)] x (line 7)	

		May	June	July	August	September	October
10	Estimated paddock recovery period						
11	Calculate estimated number of paddocks needed [(line 10) / (line 7)] + 1						
12	Calculate total acres needed for grazing (line 9) x (line 11)						