

PASTURE CALCULATION WORKSHEET
Sarah Flack Consulting
www.sarahflackconsulting.com

1	Type of livestock (example: sheep, dairy cows, heifers)	
2	Number of animals in group	
3	Estimated total daily dry matter requirement per animal	
4	If supplemental feed is fed, how much dry matter per animal is fed from hay, silage, grain or other non-pasture feeds?	
5	Dry matter to be provided from pasture per animal (total intake required less non-pasture feed fed) Line 3 – line 4 = If nothing other than pasture is fed, line 5 and line 3 will be the same	
6	Calculated total dry matter intake for Group Line 2 x line 5 =	
7	Estimated forage dry matter available per acre	
8	Calculated paddock size required for 24 hours (required amount divided by total available per acre) Line 6/line 7 =	
9	Planned occupancy period (how many days is the herd left in the paddock?)	
10	Calculate paddock size needed for full planned occupancy period. Line 8 x line 9 =	

		May	June	July	Aug	Sept	Oct
11	Estimated pasture recovery period						
12	Calculate number of paddocks needed (Line 11/ line 9) + 1 =						
13	Calculated total number of acres needed for the grazing rotation Line 10 x line 12 =						

Do you have enough land?
If not, what is your plan to avoid rotating back to paddocks that are not fully recovered?!

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1	Type of livestock (example: sheep, dairy cows, heifers)	<i>Dairy Cows</i>
2	Number of animals in group	<i>50 cows</i>
3	Estimated total daily dry matter requirement per animal	<i>45 lbs</i>
4	If supplemental feed is fed, how much dry matter per animal is fed from hay, silage, grain or other non-pasture feeds?	<i>15 lbs</i>
5	Dry matter to be provided from pasture per animal (total intake required less non-pasture feed fed) Line 3 – line 4 = If nothing other than pasture is fed, line 5 and line 3 will be the same	<i>30 lbs</i>
6	Calculated total dry matter intake for Group Line 2 x line 5 =	<i>1500 lbs</i>
7	Estimated forage dry matter available per acre	<i>1200 lbs per acre</i>
8	Calculated paddock size required for 24 hours (required amount divided by total available per acre) Line 6/line 7 =	<i>1.25 acres</i>
9	Planned occupancy period (how many days is the herd left in the paddock?)	<i>2 days</i>
10	Calculate paddock size needed for full planned occupancy period. Line 8 x line 9 =	<i>2.5 acres</i>

		May	June	July	Aug	Sept	Oct
11	Estimated pasture recovery period	<i>21 days</i>	<i>26 days</i>	<i>30 days</i>	<i>35 days</i>	<i>38 days</i>	<i>45 days</i>
12	Calculate number of paddocks needed (Line 11/ line 9) + 1 =	12	14	16	19	20	24
13	Calculated total number of acres needed for the grazing rotation Line 10 x line 12 =	30	35	40	47.5	50	60

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