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Meeting the challenges for pasture-based dairying

Implications of nutrient management data collected on dairy farms in Wisconsin, USA

J.M. Powell

USDA-ARS, US Dairy Forage Research Center, USA





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Farm size differences in milk production, feed N (FNUE) and feed P (FPUE) use efficiencies, 54 Wisconsin dairy farms

Lactating cows/farm	CP	P	Feed DM	Milk Prod.	FNUE	FPUE
	% feed DM		kg/cow/day		%	%
1-29	16.9	.37 b	21.3	20.0 c	18.2 c	23.5 b
30-49	16.8	.42 ab	23.6	27.4 b	24.2 b	26.6 ab
50-99	17.3	.42 ab	21.8	29.7 b	26.6 b	32.1 ab
100-199	17.5	.40 ab	25.3	33.1 ab	24.3 b	24.4 b
200+	17.6	.45 a	23.0	38.7 a	32.6 a	34.6 a



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Housing type and herd size differences in manure collection, 54 Wisconsin dairy farms

	Manure collected (%)
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<u>Housing type</u>	
Freestall	89 a
Stanchion	66 b
<u>Herd size</u>	
<50 cows	57 c
50-99	76 b
100-199	95 a
200+	100 a



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Manure phosphorus applications to cropland on stanchion and free-stall dairy farms in Wisconsin

