

# Dairying and the Environment

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## Crop Nutrient Utilization Rates To be Used for Manure Application Planning

Crop	Yield	N	lb/acre	
			P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O
Corn	80 bu	121	42	77
	100 bu	160	60	120
	150 bu	185	80	215
	180 bu	240	100	240
Corn Silage	16 tons	130	45	102
	32 tons	200	80	245
Soybeans	30	123	32	52
	40	180	45	80
	50	257	48	120
	60	336	65	145
Grain Sorghum	4 tons	250	90	200
Wheat	40 bu	70	30	50
	60 bu	125	50	110
	80 bu	186	54	162
Oats	80 bu	75	35	95
	100 bu	150	55	105
Barley	65 bu	74	32	63
	100 bu	150	55	150
	Alfalfa	4 tons	180	40
	8 tons	450	80	480
Orchardgrass	6 tons	300	100	375
Bromerass	5 tons	166	66	254
Tall fescue	3.5 tons	135	65	185
Bluegrass	3 tons	200	55	180
Coastal Bermuda grass	4 tons	225	40	160
	10 tons	535	145	410
Clover-grass	4.5 tons	185	60	175
	6 tons	300	90	360
Sugar Beets	30 tons	275	85	550
Rice	2.25 tons	110	45	110
	3.5 tons	112	60	168
Timothy	4 tons	150	55	250
Pangola Grass	12 tons	299	108	430
Sorghum-Sudan Grass	8 tons	319	122	467

Source: MWPS-18, Table 10-3.