

SCOE NMP

TABLE 5. BEEF CATTLE WASTE AND BEDDING NUTRIENT CHARACTERISTICS

Animal Type	Average Weight (lbs)	Nitrogen* Excreted (lbs-N/yr/animal)	Phosphorus* Excreted (lbs-P/yr/animal)	Potassium* Excreted (lbs-K/yr/animal)
Beef Manure	863	94	30	66
Bedding Material	-	9	10	9
Total	863	103	40	76

* Nutrient excretion rates estimated from NRCS Agricultural Waste

Management Field Handbook and Van Horn, et al. (1990) where a medium to high feed ration was assumed.

TABLE 6. DAIRY ANIMAL WASTE NUTRIENT CHARACTERISTICS

Animal Type	Average Weight (lbs)	Nitrogen* Excreted (lbs-N/yr/animal)	Phosphorus* Excreted (lbs-P/yr/animal)	Potassium* Excreted (lbs-K/yr/animal)
Lactating Cows	1300	250	53	145
Dry Cows	1250	180	41	108
Springers	1100	0	0	0
Heifers	800	91	11.7	70
Bulls	1200	150	41	90
Calves	100	15	2.5	8

* Nutrient excretion rates estimated from NRCS Agricultural Waste

Management Field Handbook and Van Horn, et al. (1990) where a medium to high feed ration was assumed.

TABLE 7. NUTRIENT UPTAKE BY PARTNER FARM CROPS

Crop	Yield	Units	N%	P%	K%	N(lbs/acre)	P(lbs/acre)	K(lbs/acre)
Peanuts	2,800	lbs/acre	3.60%	0.17%	0.50%	101	5	14
Snap Beans	6,000	lbs/acre	0.88%	0.26%	0.96%	53	16	58
Carrots	26,000	lbs/acre	0.19%	0.04%	0.25%	49	10	65
Sweet Corn	11,000	lbs/acre	0.89%	0.24%	0.58%	98	26	64
Field Corn Silage	14,000	lbs/acre	1.10%	0.20%	1.34%	154	28	188
Potatoes	29,000	lbs/acre	0.33%	0.06%	0.52%	96	17	151
Oat haylage	8,000	lbs/acre	1.60%	0.28%	0.94%	128	22	75
Cotton	1,600	lbs/acre	2.67%	0.58%	0.83%	43	9	13
Sorghum	9,000	lbs/acre	1.67%	0.36%	0.42%	150	32	38
Hay (bermuda/rye)	13,000	lbs/acre	2.96%	0.34%	1.40%	385	44	182
Haylage (bermuda)	8,000	lbs/acre	1.88%	0.19%	1.40%	150	15	112
Grazing (dry)	7,000	lbs/acre	3.79%	0.44%	1.40%	265	31	98
Grazing (irrigated)	10,000	lbs/acre	3.95%	0.47%	1.41%	395	47	141