

Manure Application Field Characteristics Table

Field ID	A Legal description	B Rural Municipality	C O/C/L/A	D Setbacks, including features	E Net acreage for manure application	F Agriculture capability class and subclass	G Soil Phosphorus (ppm Olsen P) 0-6 inches
1	S 5-4-3e	De Salaberry	O	Accounted for	331	3w, 2w3w, 3w2w, 5w	52
2	NW 5-4-3e	De Salaberry	O	Accounted for	76	2w2w, 2w3w, 3w, 5w	28
3	NE 5-4-3e	De Salaberry	O	Accounted for	178	2w3w, 3w2w	32
4	NW 6-4-3e	De Salaberry	O	Accounted for	161	2w3w, 3w2w	31
5	N 4-4-3e	De Salaberry	O	Accounted for	323	3w2w, 2w2w, 2w3w	49
6	Sec 9-4-3e	De Salaberry	O	Accounted for	495	3w2w	49, 52, 38
7	Sec 10-4-3e	De Salaberry	O	Accounted for	616	3w2w, 2w	40, 36
8	W 11-4-3e	De Salaberry	O	Accounted for	304	3w2w	36
9	SE 11-4-3e	De Salaberry	O	Accounted for	171	3w2w	40
10	S 15-4-3e	De Salaberry	O	Accounted for	287	3w2w	34
11	N 15-4-3e	De Salaberry	O	Accounted for	342	3w2w, 2w	18
12	W(160) 16-4-3e	De Salaberry	O	Accounted for	159	3w2w	24
13	W 3-4-3e	De Salaberry	O	Accounted for	320	3w, 3w2w, 2w2w	19
14	SW 13-4-3e	De Salaberry	O	Accounted for	160	3w, 3w2w, 2w	44
15	N 29-4-4e	De Salaberry	O	Accounted for	321	3w2w, 2w3w	16
16	NW 32-4-3e	De Salaberry	O	Accounted for	158	3w2w	14
17	NE 7-4-3e	De Salaberry	O	Accounted for	160	2w2w, 2w	21
18	NE 31-3-3e	Emerson Franklin	O	Accounted for	146	3w	23
19	N+SE 26-4-2e	Montcalm	O	Accounted for	461	3w, 2w	24
20	NE 27-4-2e	Montcalm	O	Accounted for	162	2w3w	16
21	SW 23-4-2e	Montcalm	O	Accounted for	162	3w	18
22	SE 22-4-2e	Montcalm	O	Accounted for	162	3w	44
23	NW 14-4-2e N	Montcalm	O	Accounted for	80	3w	48
24	N 15-4-2e	Montcalm	O	Accounted for	240	3w	42
25	E 21-1-3e	Emerson Franklin	O	Accounted for	323	2w2w3n, 2w2w, 3w5w	9
26	N+SE 22-1-3e	Emerson Franklin	O	Accounted for	485	3w5w, 2w2w	10
27	NE 15-1-3e	Emerson Franklin	O	Accounted for	161	2w2w, 3w5w	8
28	NW 14-1-3e	Emerson Franklin	O	Accounted for	146	2w2w	10
29	S 15-1-3e	Emerson Franklin	O	Accounted for	322	2w2w3n	18
30	NW 10-1-3e	Emerson Franklin	O	Accounted for	156	2w2w3n	21.0
32	Sec 27-4-3e	De Salaberry	O	Accounted for	647	3w, 2w	15, 22
33	Sec 22-4-3e	De Salaberry	O	Accounted for	631	3w2w, 2w3w, 2w	36, 38, 12, 8
34	S 23-4-3e	De Salaberry	O	Accounted for	324	3w, 3w2w, 2w	24
35	W 17-4-3e	De Salaberry	O	Accounted for	233	3w2w, 2w3w	8
36	SE 18-4-3e	De Salaberry	O	Accounted for	157	2w2w, 3w2w	12
37	NW 7-4-3e N	De Salaberry	O	Accounted for	69	2w3w	15.0
				Total	9629		

Note: Class 6w has been noted in some of the reconnaissance soil mapping as small percentage of the polygon. Class 6 land will be excluded from manure application. There are still land improvements (drainage, and bush clean up) so determining highly accurate acres was difficult.

Total net acreage for manure application:

A. Enter the legal description for each parcel of land that will receive manure: Sec, Twp, Rge or River Lot (including parish).

B. Identify the Rural Municipality in which the parcel is located.

C. Indicate how the land has been secured for manure application: O – Own / C – Crown / L – Lease / A – Agreement. Multiple designations may be used as appropriate (e.g., C/A for Crown lands that are under a spread agreement with the producer that holds the agricultural Crown land lease).

D. Enter setbacks from surface water or groundwater features that reduce the land available for manure application; include identification of type of feature (e.g., 8m, Order 3 drain).

E. Enter the net acreage available for manure application for the parcel after taking into account setbacks and excluding Class 6, 7 and unimproved organic soils.

F. Enter the agriculture capability class and sub-class ratings for the acreage available for manure application.

G. Provide soil test results for Phosphorus in ppm Olsen P for soil samples taken at the 0-6 inch depth. Soil test results must be no more than 36 months old and must be completed by an accredited soil-testing laboratory.



Animal Type (A)	Animal Sub-type (B)	Daily Manure Production				Production Period ² (Days) (G)	Number of Animals ³ (Capacity) (H)	Total Manure Volume (ft ³) (F _X G _X H)	Total Manure Volume for Semi-Solid and Liquid Manure (Imp Gal)	
		References (C)	Manure Type (D)	Default Manure Production (ft ³ /animal/day) (E)	Operation Manure Production ¹ (ft ³ /animal/day) (F)					
Dairy (milking cows ⁴ and associated livestock)	Free Stall	Table 6, pg 59, FPGs for Dairy 1995	Semi-Solid ⁵	3.5				-	0.0	
			Solid	3.4				-		
			Liquid ⁵	3.5				-	0.0	
	Tie Stall		Semi-Solid ⁵	3.6					-	0.0
			Solid	3.5					-	
			Liquid ⁵	3.6					-	0.0
	Loose Housing		Solid	3.0					-	
Milking Parlour Manure and Washwater	Liquid	0.5					-			
Beef	Beef cows including associated livestock	pg 117, FPGs for Hogs 1998	Solid	1.2				-		
	Backgrounder (200 day)		Solid	0.73				-		
	Summer pasture / replacement heifers		Solid	0.85				-		
	Feeder cattle		Solid	1.1				-		
Pigs	Sows - farrow to finish (234 - 254 lbs)	MAFRI website, FPGs for Pigs 2007	Liquid	2.3	2.3	400.00	1,100	1,012,000.00	6,304,760.0	
	Sows - farrow to wean (up to 11 lbs)		Liquid	0.8				-	0.0	
	Sows - farrow to nursery (51 lbs)		Liquid	1				-	0.0	
	Weanlings, Nursery (11 - 51 lbs)		Liquid	0.1				-	0.0	
	Grower / Finisher (51 - 249 lbs)		Liquid	0.25					-	0.0
Animal Type	Type of Operation	Yearly Manure Production		Production Period ² (Days)	Number of Birds ³ (Capacity)	Total Manure Volume (ft ³) (F/365xGxH)	Total Manure Volume for Semi-Solid and Liquid Manure (Imp Gal)			
		Default Manure Production (ft ³ /year/bird space)	Operation Manure Production ¹ (ft ³ /year/bird space)							
Chickens	Broilers – floor ⁶	Table 3, pg 85, FPGs for Poultry 2000		1.23				-		
	Broiler breeder hens ⁷			2.3				-		
	Broiler breeder pullets ⁶			0.99				-		
	Roasters – floor ⁶			1.16				-		
	Layers – cage ⁸			2.33				-	0.0	
	Layers – floor ⁷			1.68				-		
	Layers – solid pack ⁹							-		
	Pullets – cage ⁸			0.71				-	0.0	
	Pullets – floor ⁶			0.75				-		
Turkeys	Broilers ⁶	Table 3, pg 85, FPGs for Poultry 2000		2.83				-		
	Heavy toms ⁶			5.58			-			
	Heavy hens ⁶			3.32				-		

Sizing of a manure storage facility in accordance with all requirements of the *Livestock Manure and Mortalities Management Regulation (M.R. 42/98)* is the responsibility of the operator.

Instructions and footnotes:

¹ ENTER the manure production estimate for your operation. If no estimate is available, use the default value provided in column E. References for default daily and yearly manure production are provided in column C.

² ENTER the number of days worth of manure that will be produced. For earthen manure storage facilities the minimum storage requirement is 400 days. For steel and concrete manure storage facilities the minimum storage requirement is 250

³ ENTER the total number of animals or birds that the operation can hold (e.g. barn or feedlot capacity).

⁴ Milking cows includes all lactating and dry cows.

⁵ Default manure production estimates for semi-solid and liquid dairy manure include manure and washwater from the milking parlour.

⁶ 2 inches of wood shavings or 4 inches of straw placed on floor. Manure and litter removed from barn at 25% moisture content, with a density of 20 lb/ft³

⁷ One-third litter floor, two-thirds slatted floor. Manure and litter removed from barn at 40% moisture content, with a density of 25 lb/ft³

⁸ Manure removed from barn at 90% moisture content with a density of 59 lb/ft³

⁹ Poultry operations using litter (solid pack) must provide an estimate of yearly manure production