

Brandon Hog & Livestock Expo - Carcass Show 2023 Judging Criteria

1. Hot Carcass Weight (Maximum of 10 points)

- The grading grid used for this show will be the Maple Leaf Manitoba Sig 4 Magnum 105 kg Grid
- Points will be awarded as follows:

Weight Range	Points
Less than 92.50 kg	0
92.50 to 97.49 kg	3
97.50 to 102.49 kg	7
102.50 to 112.49 kg	10
112.50 to 117.49 kg	7
117.50 to 122.49 kg	3
Greater than 122.50 kg	0

2. Carcass Index (Maximum of 13 points)

- Lean Yield will be based on ruler measurements of the fat and loin depths taken between the 3rd and 4th last ribs and these measures will be entered into the Destron Grading Equation
- Lean Yield = $68.1863 - 0.7833BF + 0.0689LD + 0.0080BF^2 - 0.0002LD^2 + 0.0006(FD \times LD)$
- Points will be allocated as follows:

Index	Points
113	13
110	10
108	8
106	6
105	5
104	4
102	2
100	1
Less than 100	0

- Judging Grid

Maple Leaf Manitoba Sig 5 Magnum 105 kg Grid												
Weight (kg)	0.00	73.00	83.00	92.50	97.50	102.50	107.50	112.50	117.50	122.50	127.50	132.50
Yield Class	72.99	82.99	92.49	97.49	102.49	107.49	112.49	117.49	122.49	127.49	132.49	+
1. 64.3 - 99.9	50	80	102	106	106	108	108	108	106	95	80	50
2. 61.8 - 64.2	50	80	104	108	113	113	113	113	108	100	80	50
3. 59.6 - 61.7	50	80	102	106	110	110	110	110	106	100	80	50
4. 57.7 - 59.5	50	80	98	100	108	110	108	108	104	95	80	50
5. 56.1 - 57.6	50	80	92	95	104	105	104	100	100	90	80	50
6. 54.7 - 56.0	50	80	90	94	95	95	95	94	94	85	70	50
7. 0 - 54.6	50	80	65	65	65	65	65	65	65	65	65	50

Maple Leaf Signature “Loin Premium” per Hog										
Loin (mm)	0.00	35.00	40.00	45.00	50.00	55.00	60.00	65.00	70.00	75.01
	34.99	39.99	44.99	49.99	54.99	59.99	64.99	69.99	75.00	+
Premium	\$0.00	\$0.00	\$0.00	\$0.00	\$1.00	\$1.75	\$3.00	\$3.50	\$2.50	\$0.75

3. Loin Premium (Maximum of 10 Points)

- To qualify for the loin premium the carcass must have a minimum of 13 mm of backfat
- Points will be awarded as follows:

Loin Range	Points
0.00 mm - 49.99 mm	0
50.00 mm - 54.99 mm	3
55.00 mm - 59.99 mm	5
60.00 mm - 64.99 mm	8
65.00 mm - 69.99 mm	10
70.00 mm - 74.99 mm	7
75.00 mm +	2
If Carcass Backfat is less than 13.0 mm	0

4. Minolta Loin Colour Score (Maximum of 15 Points)

- Based on the average of two Minolta “L” measurements on each loin
- Points will be awarded as follows:

Minolta Values	Points
less than 42.5	0
42.50 to 43.49	1
43.50 to 44.49	3
44.50 to 45.49	7
45.50 to 46.49	11
46.50 to 47.49	15
47.50 to 48.49	11
48.50 to 49.49	7
49.50 to 50.49	3
50.50 to 51.49	1
greater than 51.49	0

5. Subjective Loin Texture Score (Maximum of 12 Points)

- Defined as a tactile rating that assesses the degree of firmness and exudation (weeping) of the loin eye (longissimus dorsi) muscle
- Points will be awarded as follows:

Texture Score	Description	Points
1	Extremely Soft and Exudative	0
2	Moderately Soft and Exudative	4
2.5	Slightly Soft and Exudative	9
3	Normal	12
3.5	Slightly Firm and Dry	9
4	Moderately Firm and Dry	4
5	Extremely Firm and Dry	0

6. Subjective Marbling Score (Maximum of 10 Points)

- based on the Canadian Pork Quality Standards for Marbling (developed by Canada Pork International, Canadian Centre for Swine Improvement, & Agriculture and Agri-Food Canada)
- Points will be awarded as follows:

Marbling Score	Description	Points
0	Devoid	0
1	Practically Devoid	1
2	Trace	2
3	Slight	4
4	Small	6
5	Moderate	8
6	Abundant	10

7. Loin Eye Area (Maximum of 12 Points)

- measured by grid and points will be awarded as follows:

Loin Eye Area	Points
Largest	15
2 nd Largest	14
3 rd Largest	13
4 th Largest	12
5 th Largest	11
6 th Largest	10
7 th Largest	9
8 th Largest	8
9 th Largest	7
10 th Largest	6
11 th Largest	5
12 th Largest	4
13 th Largest	3
14 th Largest	2
15 th Largest	1
Remaining loins	0

8. Belly Assessment (Maximum of 15 Points)

- Points will be assessed based on three criteria (each worth 5 points each):
 - Lean to Fat Ratio
 - Distribution of Lean
 - Texture of Lean and Fat

Points for all eight (8) criteria totals 100.

Note:

1. If an entrant enters two hogs only one of those hogs can be eligible for the top three prizes.
2. In the event that a entrant with two hogs entered, has both finish in the top three the lowest ranking hog of the two will be relegated to fourth place and receive that prize though it will be fully acknowledged.

Tie Breakers:

1. Average Minolta colour score closest to 47.00.
2. Largest Loin Eye Area
3. Highest Marbling Score