



Swine Innovation Porc



Centre de développement
du porc du Québec inc.



PRAIRIE
SWINE
CENTRE | 25
YEARS

FEEDER DESIGN

The minimum width of a feeding space is based on the shoulder width of the largest pig in the pen, plus 10 % to accommodate variation in body shape. The formula used to calculate the width of a feeding space is:

Minimum feeder space width

= maximum **shoulder width** x 1.10

OR

= (6.1 x (**maximum body weight** (kg))^{0.333}) x 1.10

Recommended Width of Eating Space

Weight of Largest Pig in Pen		Feeder Width	
kg	lbs	cm	in
55	121	25.5	10.2
70	154	27.7	11.1
100	220	31.1	12.4
110	242	32.2	12.9
120	264	33.1	13.2
130	287	33.9	13.4
140	309	34.8	13.9
150	331	35.6	14.0

Feeders are most crowded when growing pigs reach a point that only one pig can eat from a feeder space at the same time (typically 25 kg), at which point they spend 80-110 minutes/day eating, depending on the feed and feeder type.

Source:

National Farm Animal Council, Code of Practice for the Care and Handling of Pigs, 2014.

Recommended Depth of Eating Space

Weight of Largest Pig in Pen		Feeder Depth	
kg	lbs	cm	in
Finisher Only			
60 - 110	132 - 220	30 - 35	11.8 - 13.8
Grow/Finish			
25 - 120	55 - 264	25 - 30	9.8 - 11.8
Wean to Finish			
8 - 120	18 - 264	25 - 30	9.8 - 11.8

Depth refers to the distance from the lip of the feeder to the point of feed access.

Source:

Prairie Swine Centre Pork Production Reference Guide, 2000.

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