

PIG 101

What is the most important nutrient for a pig? Clean fresh water! Pigs require water for a variety of reasons, including proper function of cells, maintaining body temperature, moving nutrients into the body tissue, removing metabolic waste, growth, and reproduction.

How long can pigs go without water? – 48 hrs max! Water makes up approximately 80% of the empty body weight of a newborn pig and approximately 55% of a finishing pig. Water intake should be approximately 2.5 times the feed intake of the growing pig. Therefore, 0.5 gallons of water should be consumed per pound of feed consumed to maintain growth and health.

Daily Water Consumption of Swine on Full Ration

Weight of Pig in Pounds	Water Consumed in Gallons
25	0.4
50	0.6
75	0.9
100	1.0
150	1.2
200	1.2
250	2.0
300	2.1
350	2.2
400	2.3
During Winter Gestation	1
During Lactation	3.7 to 5.0***

Recommended Water Flows

Nursing pigs & hot nursery	1 cup (250cc) water/minute
Pigs from 25-50lb (nursery)	2 cup (500cc) water/minute
Pigs from 50-125lb (nursery)	3 cup (750cc) water/minute
Finishing hogs, 125 lb to market	4 cup (1000cc) water/minute
Sows (gestation & lactation) & boars	4 cup (1000cc) water/minute

***A sows' water requirements are greatly increased while nursing piglets.

Pig Comfort

Nursery Temperature Guidelines

	<u>Set Point</u>	<u>High</u>	<u>Low</u>
Week 1	84	86	82
Week 2	82	84	80
Week 3	80	82	78
Week 4	78	80	76
Week 5	76	78	74
Week 6	74	76	72
Week 7	72	74	70
Week 8	70	72	68

Finish Temperature Guidelines

<u>WK</u>	<u>Set Point</u>	<u>High</u>	<u>Low</u>
1	76	78	74
2	75	77	73
3	74	76	72
4	73	75	71
5	73	75	71
6	72	74	70
7	72	74	70
8	71	73	69
9	71	73	69
10	70	72	68
11	70	72	68
12	70	72	68
13	69	71	67
14	69	71	67
15	69	71	67
16	68	70	66
17	68	70	66
18	68	70	66
19	68	70	66
20	68	70	66

TEMPERATURE MAY NEED TO BE CHANGED DO TO THE OUTSIDE
CONDITIONS AND/OR PIG HEALTH

Pig Nutrition:

Pigs don't require crude protein – **Pigs require amino acids which are the building blocks of protein!**

10-50 lb pig requirements: 20% plus 1.4-1.6 Lysine – specialized proteins i.e. fish, whey, soy protein concentrate

50-80 lb pig requirements: 19% 1.3-1.4 Lysine

80-160 lb pig requirements: 18% 1.1-1.2 Lysine

160 lb-show requirements: 16% 1.0-1.1 Lysine

How much does a 50 lb pig eat per day? 2.2 lb

How much weight does a 50 lb pig gain per day? 1.45 lb

How much water does a 50 lb pig drink per day? .5 - 1.0 gallon

How many square foot of space does a 50 pound pig need? 3-4 sq '

What is the correct temperature/environment for a 50 lb pig? 74-76 degrees

How much does a 100 lb pig eat per day? 4.5 lb

How much weight does a 100 lb pig gain per day? 1.93 lb

How much water does a 100 lb pig drink per day? 1.0 – 1.5 gallon

How many square foot of space does a 100 pound pig need? 5-6 sq '

What is the correct temperature/environment for a 100 lb pig? 72-74 degrees

How much does a 200 lb pig eat per day? 5.6 lb

How much weight does a 200 lb pig gain per day? 2.06 lb

How much water does a 200 lb pig drink per day? 1.5 – 2.0 gallon

How many square foot of space does a 200 pound pig need? 8-10 sq '

What is the correct temperature/environment for a 200 lb pig? 68-70 degrees

How much does a 300 lb pig eat per day? 6.5 lb

How much weight does a 300 lb pig gain per day? 1.90 lb

How much water does a 300 lb pig drink per day? 2.0 – 3.0 gallon

How many square foot of space does a 300 pound pig need? 10-12 sq '

What is the correct temperature/environment for a 300 lb pig? 66-68 degrees

PRODUCT NAME	PRODUCT NUMBER	PIGS YOUNGER	PIGS 12-18 LBS OR	PIGS 18-25 LBS OR	PIGS 25-50 LBS OR	NAP APPROVED
		THAN 21 DAYS OR LESS THAN 12 LBS	21-28 DAYS OLD	28-35 DAYS OLD	35 DAYS & OLDER	
EV EARLY WEAN MINI PELLETT	430008					NO
EV STARTER 1 MEAL	430210					NO
EV STARTER 1 MINI PELLETT	430218					NO
EV STARTER 2 MEAL	430260					NO
EV STARTER 2 MINI PELLETT	430268					NO
EV STARTER 3 MEAL	430790					YES
EV STARTER 3 MINI PELLETT	430798					YES
EV NAP STARTER 1 MEAL	430230					YES
EV NAP STARTER 1 MINI PELLETT	430238					YES
EV NAP STARTER 2 MEAL	430730					YES
EV NAP STARTER 2 MINI PELLETT	430738					YES
PRODUCT NAME	PRODUCT NUMBER	PIGS 50-50 LBS	PIGS 80-200 LBS	PIGS 200-MKT LBS		NAP APPROVED
EV G/F 1 MEAL	431630					YES
EV G/F 1 PELLETT	431631					YES
EV G/F 2 MEAL	431260					YES
EV G/F 2 PELLETT	431261					YES
EV G/F 3 MEAL	431360					YES
EV G/F 3 PELLETT	431361					YES
PRODUCT NAME	PRODUCT NUMBER					NAP APPROVED
EV PREMIUM ALL PURPOSE SUPP MEAL	430825					YES
EV PREMIUM ALL PURPOSE SUPP PELLETT	430826					YES
EV PREMIUM GESTATION MEAL	431470					YES
EV PREMIUM GESTATION PELLETT	431471					YES
EV PREMIUM GESTATION CUBE	431473					YES
EV PREMIUM LACTATION MEAL	431610					YES
EV PREMIUM LACTATION PELLETT	431611					YES
EV PREMIUM LACTATION CUBE	431613					YES
EV STARTER SHIELD CRUMBLE	480376					NO
EV NAP STARTER SHIELD CRUMBLE	480383					YES
EV NURSERY 100 SHIELD	480378					YES
EV GRO 50 SHIELD	480379					YES
EV SOW 100 SHIELD	480381					YES
EV AA PAK	480382					YES