



Feeding Guidelines for AI Boars



Relatively little published research is available to make specific nutrient recommendations for boar diets. Furthermore, there is no correlated data to determine the ideal growth pattern of boars to maximize semen production and longevity. Despite these limitations, feeding guidelines have been estimated from the requirements for maintenance, growth, sperm production, and mating activity. Care should be taken to monitor the daily feeding rate and adjust it to reflect differences in season, condition, and workload of the boar. For further details and information on how these estimates were developed, please see Technical Bulletin, *Feeding Newsham Choice Genetics AI Boars*.

PROCEDURES:

1. Determine boar weight with a scale or by estimating with the flank-to-flank procedure (See Management Guideline, *Procedures to Estimate Weight of Boars*).
2. Determine the energy density of the diet. The energy value is provided in the example diets can be found in *Feeding Newsham Choice Genetics AI Boars*.
3. Based on boar weight and dietary energy density of the diet, use the feed allowance provided in Table 1.

TABLE 1. Feed allowance based on body weight and energy density of the diet.^a

FLANK TO FLANK, IN ^b	ESTIMATED WEIGHT, LB	ENERGY REQUIRED, Mcal ME/DAY	FEED ALLOWANCE (lb/day) Based on Diet Energy Density, Kcal ME/lb		
			LOW 1,325	MEDIUM 1,400	HIGH 1,475
< 36.4	< 325	7.72	5.8	5.5	5.2
36.5 - 39.4	325 - 400	8.04	6.1	5.7	5.5
39.5 - 41.9	400 - 475	8.33	6.3	6.0	5.6
42.0 - 44.0	475 - 550	8.60	6.5	6.1	5.8
44.1 - 46.4	550 - 625	8.85	6.7	6.3	6.0
46.5 - 48.0	625 - 700	9.08	6.9	6.5	6.2
48.1 - 50.0	700 - 775	9.31	7.0	6.7	6.3
50.1 - 51.7	775 - 850	9.52	7.2	6.8	6.5
> 51.8	> 850	9.72	7.3	6.9	6.6

^a See Technical Bulletin, *Feeding Newsham Choice Genetics AI Boars* for more details.

^b See Management Guideline, *Procedures to Estimate Weight of Boars*.

NOTICE: Actual results may vary based on production factors over which Newsham Choice Genetics has no control including, but not limited to, management, animal handling, nutrition, environment, and disease. While the information contained herein is presented in good faith and believed to be correct, Newsham Choice Genetics does not guarantee results from reliance on such information and disclaims all liability for any loss or damage arising from use of this information or to any products said information refers. Any warranties and remedies available are set forth in written contracts with Newsham Choice Genetics.