

## Required Guarantees for Different Livestock Species

### Complete and Supplement Feeds

### Mineral Feeds

Nutrient	Complete and Supplement Feeds										Mineral Feeds		
	Swine	Poultry	Beef	Dairy	Equine	Goat/ Sheep	Ducks/ Geese	Fish	Rabbits	Veal Herd Milk Replacer	Beef	Dairy	Equine
Crude protein, min %	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No
NPN, max %	No	No	a	a	No	a	No	No	No	No	No	No	No
Lysine, min %	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No
Methionine, min %	No	Yes	No	No	No	No	No	No	No	No	No	No	No
Crude fat, min %	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No
Crude fiber, max %	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	d	Yes	No	No	No
ADF, max %	No	No	No	Yes	No	No	No	No	No	No	No	No	No
Calcium, min/max %	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	a	a	a
Phosphorus, min %	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	a	a	a
Salt, min/max %	a	a	a	No	No	a	a	No	a	No	a	a	a
Sodium, min/max %	b	b	b	No	No	b	b	No	b	No	b	b	b
Magnesium, min %	No	No	No	No	No	No	No	No	No	No	a	a	No
Potassium, min %	No	No	Yes	No	No	No	No	No	No	No	a	a	No
Copper, min ppm	No	No	No	No	a	c	No	No	No	No	a	No	a
Selenium, min ppm	Yes	No	No	a	a	a	No	No	No	No	a	a	a
Zinc, min ppm	Yes	No	No	No	a	No	No	No	No	No	a	No	a
Vitamin A, min IU/lb	No	No	a	a	a	a	No	No	a	a	a	a	a

- a. Guarantee required only when nutrient added except when the feed is intended, represented or serves as a principal source of the nutrient.
- b. Sodium guarantee required only when total sodium exceeds that furnished by the maximum salt guarantee.
- c. Copper minimum and maximum for sheep and goats is required when added or the level in the feed exceeds 20 ppm.
- d. Rabbit feeds require minimum and maximum crude fiber guarantee (range may not exceed 5 units).

For grain mixtures with and without molasses and other commodity blends without additional added vitamins/minerals, where the product is intended to be fed as a significant portion of the diet, the guarantees should follow the traditional pattern of required guarantees for the species as indicated on the label (Crude protein, crude fat, crude fiber, ADF (for dairy) calcium, phosphorus, salt and potassium (for beef)).