

Breeder Nutritional Requirements

Nutrient	Requirement	Standard Feeds
Vitamin A (iu/lb)	6818	2600
Vitamin D (iu/lb)	1363	700
Vitamin E (iu/lb)	27.2	10
Vitamin K (iu/lb)	2.3	1.0
Manganese (ppm)	100	70
Zinc (ppm)	100	70
Iron (ppm)	60	40
Copper (ppm)	10	8
Selenium (ppm)	.4	.27
Iodine (ppm)	2	1
Cobalt (ppm)	.5	.2

For all nutrient requirements go to <http://www.hubbardbreeders.com/>

Layer Feed for Breeders

<u>Winter Layer</u>	<u>Lbs</u>	<u>Summer Layer</u>	<u>Lbs</u>
CORN 7.0%	39.0	CORN 7.0%	30.0
WHEAT 10%	25.0	WHEAT 10%	22.0
SOYBEANS ROASTED	15.0	SOYBEANS ROASTED	18.0
ALFALFA ML 17%	5.0	ALFALFA Meal	8.0
OATS 10/38	5.0	OATS 10/38	8.0
Fertrell Fishmeal, 62%	5.0	Fertrell Fishmeal, 62%	8.0
POULTRY NB DL	3.0	POULTRY NB DL	3.0
ARAGONITE	2.0	ARAGONITE	2.0
Show and Breeder Supp	1.0	Show and Breeder Supp	1.0
<u>Totals:</u>	<u>100</u>	<u>Total</u>	<u>100</u>
PROTEIN	15.8%	PROTEIN	18.8%
FAT	5.4%	FAT	6.1%
FIBER	4.2%	FIBER	5.0%
M.E. (PLTY)	1,343 KCAL/LB	M.E. (PLTY)	1,306 Kcal/lb
VITAMIN A	8,200 IU/LB	VITAMIN A	9,100 KIU/LB
VIT. E (TOTAL)	89 IU/LB	VIT. E (TOTAL)	91 IU/LB
METHIONINE	0.45%	METHIONINE	0.50 %

	Effects of Undersupply	Effects of Oversupply
Crude Protein	<ul style="list-style-type: none"> - Decreased Egg size & number - Poor Chick Quality 	<ul style="list-style-type: none"> - Increased Egg Size - Lower Hatchability - Increased Stress
Energy	<ul style="list-style-type: none"> - Low Body Weight - Low egg numbers 	<ul style="list-style-type: none"> - Increased double yolks - Oversized eggs - Late fertility & hatchability
Lysine, Methionine & Cystine	<ul style="list-style-type: none"> - Decreased egg size - Decreased egg numbers 	<ul style="list-style-type: none"> - Waste of money
Calcium	<ul style="list-style-type: none"> - Poor shell quality 	<ul style="list-style-type: none"> - Reduced available nutrients
Available Phosphorus	<ul style="list-style-type: none"> - May impair egg production and hatchability - May reduce bone ash in chicks 	<ul style="list-style-type: none"> - Poor egg shell quality