

NICHOLAS SELECT BREEDER INFORMATION

May 2015

Reproductive Performance Objectives

Week of Lay	Hatching Egg Production			Hatch %		Poult Production	
	% Prod.	Week	Cum.	Week	Cum.	Week	Cum.
1	30.6	2.1	2.1	79.5	79.5	1.7	1.7
2	55.1	3.8	5.9	83.0	81.7	3.2	4.8
3	72.2	5.0	10.9	84.5	83.0	4.2	9.0
4	71.9	5.0	15.9	85.5	83.8	4.3	13.3
5	70.9	4.9	20.8	86.0	84.3	4.2	17.5
6	70.0	4.9	25.7	86.5	84.7	4.2	21.8
7	69.0	4.8	30.5	86.5	85.0	4.2	25.9
8	68.0	4.7	35.2	86.5	85.2	4.1	30.0
9	67.1	4.7	39.9	86.5	85.4	4.1	34.1
10	66.1	4.6	44.5	86.5	85.5	4.0	38.0
11	65.1	4.6	49.1	86.0	85.5	4.0	42.0
12	64.2	4.5	53.6	85.5	85.5	3.8	45.9
13	63.2	4.4	58.0	85.0	85.5	3.7	49.6
14	62.3	4.3	62.3	84.5	85.4	3.6	53.2
15	61.3	4.3	66.6	84.0	85.3	3.6	56.8
16	60.3	4.2	70.8	83.5	85.2	3.5	60.3
17	59.4	4.1	74.9	83.0	85.1	3.4	63.7
18	58.4	4.1	79.0	82.5	85.0	3.4	67.1
19	57.4	4.0	83.0	81.5	84.8	3.3	70.4
20	56.5	3.9	86.9	80.5	84.6	3.1	73.5
21	55.4	3.9	90.8	79.5	84.4	3.1	76.6
22	54.4	3.8	94.6	79.0	84.2	3.0	79.6
23	53.5	3.7	98.3	78.5	84.0	2.9	82.5
24	52.5	3.7	102.0	77.5	83.7	2.9	85.4
25	51.5	3.6	105.6	76.5	83.5	2.8	88.2
26	50.6	3.5	109.1	75.5	83.2	2.6	90.8
27	49.6	3.5	112.6	74.5	82.9	2.6	93.4
28	48.6	3.4	116.0	73.4	82.7	2.5	95.9



Performance objectives should be viewed as goals that can be achieved with good management and environmental control. Individual flock results will vary for many reasons. This is not guarantee of performance.

Performance Objectives by Lighting Month - Weekly Hatching Egg Production

	Northern Hemisphere:	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	Southern Hemisphere:	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
2	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8
3	5.0	4.9	4.6	4.7	4.7	4.7	4.7	4.8	5.0	5.0	5.0	5.1	5.1
4	5.0	4.9	4.7	4.7	4.7	4.7	4.7	4.8	5.0	5.0	5.0	5.0	5.0
5	4.9	4.9	4.7	4.7	4.6	4.6	4.6	4.7	4.9	4.9	4.9	4.9	4.9
6	4.9	4.8	4.6	4.6	4.5	4.5	4.5	4.6	4.8	4.8	4.9	4.8	4.9
7	4.8	4.7	4.6	4.5	4.4	4.4	4.4	4.5	4.8	4.8	4.8	4.8	4.8
8	4.7	4.6	4.5	4.4	4.2	4.2	4.2	4.4	4.7	4.7	4.7	4.7	4.7
9	4.6	4.5	4.4	4.3	4.1	4.1	4.1	4.3	4.6	4.7	4.7	4.7	4.6
10	4.5	4.4	4.3	4.2	4.0	4.0	4.0	4.2	4.5	4.6	4.6	4.6	4.5
11	4.4	4.3	4.2	4.1	3.9	3.9	3.9	4.1	4.3	4.5	4.5	4.5	4.4
12	4.3	4.2	4.1	3.9	3.8	3.8	3.8	4.0	4.2	4.5	4.5	4.5	4.3
13	4.2	4.1	4.0	3.8	3.7	3.7	3.7	3.9	4.1	4.4	4.4	4.4	4.2
14	4.1	4.0	3.9	3.7	3.6	3.6	3.6	3.8	4.0	4.3	4.3	4.3	4.2
15	4.0	3.9	3.8	3.6	3.5	3.5	3.5	3.7	3.9	4.2	4.3	4.2	4.1
16	3.9	3.8	3.7	3.5	3.3	3.3	3.4	3.6	3.8	4.2	4.2	4.2	4.0
17	3.8	3.7	3.6	3.4	3.2	3.2	3.3	3.5	3.7	4.1	4.1	4.1	3.9
18	3.7	3.6	3.5	3.3	3.1	3.1	3.2	3.4	3.6	4.0	4.1	4.1	3.8
19	3.7	3.6	3.4	3.1	2.9	2.9	3.1	3.3	3.5	3.9	4.0	4.0	3.8
20	3.6	3.5	3.3	3.0	2.8	2.8	2.9	3.2	3.4	3.8	3.9	3.9	3.7
21	3.5	3.4	3.2	2.9	2.7	2.7	2.8	3.1	3.3	3.8	3.9	3.8	3.6
22	3.4	3.3	3.1	2.8	2.6	2.6	2.7	3.0	3.2	3.6	3.8	3.7	3.5
23	3.3	3.2	3.0	2.7	2.5	2.5	2.6	2.9	3.1	3.5	3.7	3.6	3.4
24	3.2	3.1	2.9	2.6	2.4	2.4	2.5	2.8	3.0	3.4	3.7	3.5	3.3
25	3.1	3.0	2.8	2.5	2.3	2.3	2.3	2.7	2.9	3.3	3.6	3.4	3.2
26	3.0	2.9	2.7	2.4	2.2	2.2	2.3	2.6	2.8	3.2	3.5	3.3	3.1
27	2.9	2.8	2.6	2.3	2.1	2.1	2.2	2.5	2.7	3.1	3.5	3.2	3.0
28	2.8	2.8	2.5	2.3	2.0	2.0	2.1	2.4	2.6	3.0	3.4	3.1	3.0

Performance Objectives by Lighting Month - Cumulative Hatching Egg Production

Northern Hemisphere:	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	Southern Hemisphere:	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	2.1	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
2	5.9	5.8	5.7	5.7	5.7	5.7	5.8	5.8	5.9	5.9	5.9	5.9
3	10.9	10.7	10.3	10.4	10.4	10.4	10.6	10.8	10.9	11.0	11.0	11.0
4	15.9	15.6	15.1	15.1	15.1	15.1	15.4	15.8	15.9	16.0	16.0	16.0
5	20.8	20.5	19.8	19.8	19.7	19.7	20.1	20.7	20.8	20.9	20.9	20.9
6	25.7	25.3	24.4	24.4	24.2	24.2	24.7	25.5	25.6	25.8	25.7	25.8
7	30.5	29.9	29.0	28.9	28.6	28.6	29.2	30.3	30.4	30.6	30.5	30.6
8	35.2	34.5	33.5	33.3	32.8	32.8	33.6	35.0	35.2	35.3	35.3	35.3
9	39.8	39.1	37.9	37.6	36.9	36.9	37.9	39.6	39.9	40.0	40.0	39.9
10	44.3	43.5	42.2	41.8	40.9	40.9	42.1	44.1	44.5	44.6	44.6	44.4
11	48.7	47.8	46.4	45.9	44.9	44.9	46.2	48.4	49.0	49.2	49.1	48.8
12	53.0	52.0	50.5	49.9	48.7	48.7	50.2	52.6	53.5	53.6	53.6	53.1
13	57.2	56.1	54.5	53.7	52.4	52.4	54.1	56.8	57.9	58.0	58.0	57.3
14	61.3	60.1	58.5	57.4	56.0	56.0	57.9	60.8	62.2	62.4	62.3	61.5
15	65.3	64.0	62.3	61.0	59.5	59.5	61.7	64.7	66.5	66.6	66.6	65.7
16	69.2	67.8	66.0	64.5	62.8	63.0	65.3	68.5	70.7	70.8	70.8	69.7
17	73.1	71.5	69.6	67.9	66.0	66.3	68.8	72.2	74.8	75.0	74.9	73.6
18	76.8	75.2	73.1	71.2	69.1	69.5	72.2	75.8	78.8	79.0	78.9	77.4
19	80.4	78.7	76.6	74.3	72.1	72.6	75.6	79.4	82.7	83.0	82.9	81.2
20	84.1	82.2	79.9	77.3	74.9	75.5	78.8	82.8	86.5	87.0	86.9	84.9
21	87.6	85.7	83.1	80.3	77.6	78.4	81.9	86.1	90.3	90.8	90.7	88.5
22	91.0	89.0	86.3	83.1	80.3	81.1	85.0	89.3	93.9	94.6	94.4	92.0
23	94.3	92.2	89.3	85.9	82.8	83.7	87.9	92.5	97.4	98.4	98.0	95.5
24	97.6	95.4	92.2	88.5	85.2	86.2	90.7	95.5	100.9	102.0	101.5	98.8
25	100.7	98.4	95.1	91.0	87.5	88.6	93.5	98.4	104.2	105.6	105.0	102.0
26	103.7	101.3	97.8	93.5	89.6	90.8	96.1	101.3	107.4	109.2	108.3	105.1
27	106.7	104.2	100.4	95.8	91.7	93.0	98.7	104.0	110.5	112.6	111.5	108.2
28	109.5	106.9	103.0	98.1	93.6	95.0	101.1	106.7	113.6	116.0	114.7	111.2

Breeder Weights and Feed - Nicholas Select

Females

Age (weeks)	Weight		Weekly Consumption		Cumulative Consumption	
	(lbs)	(kgs)	(lbs)	(kgs)	(lbs)	(kgs)
1	0.30	0.14	0.3	0.14	0.3	0.14
2	0.65	0.30	0.5	0.23	0.8	0.37
3	1.19	0.54	0.7	0.33	1.5	0.70
4	1.89	0.86	0.9	0.42	2.5	1.12
5	2.76	1.25	1.3	0.61	3.8	1.72
6	3.75	1.70	1.8	0.79	5.6	2.52
7	4.81	2.18	2.3	1.03	7.8	3.55
8	5.92	2.69	2.7	1.24	10.6	4.79
9	7.06	3.20	3.3	1.49	13.9	6.28
10	8.24	3.74	3.8	1.73	17.7	8.01
11	9.46	4.29	4.2	1.91	21.9	9.93
12	10.71	4.86	4.5	2.06	26.4	11.99
13	11.98	5.43	4.9	2.24	31.4	14.23
14	13.25	6.01	5.3	2.38	36.6	16.61
15	14.50	6.58	5.4	2.46	42.0	19.07
16	15.72	7.13	5.7	2.57	47.7	21.64
17	16.87	7.65	5.8	2.62	53.5	24.26
18	17.93	8.13	5.9	2.66	59.3	26.92
19	18.96	8.60	5.9	2.66	65.2	29.58
20	19.97	9.06	5.9	2.66	71.1	32.24
21	20.98	9.51	5.9	2.66	77.0	34.91
22	21.99	9.97	5.9	2.66	82.8	37.57
23	23.00	10.43	5.9	2.66	88.7	40.23
24	24.01	10.89	5.9	2.66	94.6	42.89
25	25.02	11.35	5.9	2.66	100.4	45.55
26	26.03	11.81	5.9	2.66	106.3	48.22
27	27.04	12.26	5.9	2.66	112.2	50.88
28	28.05	12.72	5.9	2.66	118.0	53.54
29	29.06	13.18	5.9	2.66	123.9	56.20

Males

Age (weeks)	Weight		Weekly Consumption		Cumulative Consumption	
	(lbs)	(kgs)	(lbs)	(kgs)	(lbs)	(kgs)
1	0.30	0.13	0.3	0.13	0.3	0.13
2	0.93	0.42	0.7	0.30	1.0	0.44
3	1.69	0.77	1.1	0.48	2.0	0.91
4	2.70	1.22	1.5	0.70	3.6	1.61
5	3.91	1.77	2.1	0.96	5.7	2.57
6	5.38	2.44	2.7	1.22	8.4	3.79
7	7.10	3.22	3.4	1.52	11.7	5.31
8	9.03	4.10	4.1	1.86	15.8	7.17
9	11.34	5.14	4.7	2.13	20.5	9.31
10	13.81	6.26	5.4	2.44	25.9	11.74
11	16.46	7.47	5.8	2.63	31.7	14.38
12	19.26	8.74	6.4	2.90	38.1	17.28
13	22.16	10.05	6.9	3.13	45.0	20.41
14	25.15	11.41	7.6	3.44	52.6	23.85
15	28.24	12.81	8.1	3.66	60.7	27.51
16	31.34	14.22	8.6	3.92	69.3	31.42
17	34.30	15.56	9.2	4.17	78.5	35.60
18	36.80	16.69	9.6	4.35	88.1	39.95
19	38.63	17.52	9.8	4.45	97.9	44.40
20	40.01	18.15	10.0	4.54	107.9	48.93
21	41.40	18.78	10.1	4.57	118.0	53.51
22	42.77	19.40	10.3	4.66	128.2	58.17
23	44.17	20.04	10.5	4.75	138.7	62.91
24	45.53	20.65	10.6	4.81	149.3	67.72
25	46.91	21.28	10.8	4.90	160.1	72.62
26	48.29	21.90	11.0	4.99	171.1	77.61
27	49.67	22.53	11.2	5.06	182.3	82.67
28	51.04	23.15	11.3	5.11	193.5	87.78
29	52.43	23.78	11.4	5.17	204.9	92.95

The estimated feed consumption shown in the table is for full fed males. When control feeding males it is advised to start at 1.2 lbs (545 g) per male and adjust the daily feed allotment to achieve the weight goals indicated above.