



Methionine Calculation Workbook

Column	A	B	C	D	E	F	G	H	AVERAGE
			TOTAL FEED INTAKE LBS/FLOCK	TOTAL FEED INTAKE TONS /FLOCK	SYNTHETIC METHIONINE Added LBS/TON	SYNTHETIC METHIONINE Concentration %	SYNTHETIC METHIONINE Adj. for 100% LBS	SYNTHETIC METHIONINE Adj. for 100% TOTAL LBS FED	SYNTHETIC METHIONINE OVER LIFE OF FLOCK #/TON
Feed Formulation	Age of Birds	DAYS		<small>*= C /2000</small>		<small>enter as decimal (e.g. 0.99)</small>	<small>*= E x F</small>	<small>*= D x G</small>	<small>*= H Total / D Total</small>
1				0			0	0	
2				0			0	0	
3				0			0	0	
4				0			0	0	
5				0			0	0	
6				0			0	0	
7				0			0	0	
8				0			0	0	
9				0			0	0	
10				0			0	0	
TOTAL			0	0	0	0	0	0	#DIV/0!

Column	A	B	C	D	E	F	G	H	AVERAGE SYNTHETIC METHIONINE OVER LIFE OF FLOCK #/TON
Feed Formulation	Age of Birds	DAYS	TOTAL FEED INTAKE LBS/FLOCK	TOTAL FEED INTAKE TONS /FLOCK	SYNTHETIC METHIONINE Added LBS/TON	SYNTHETIC METHIONINE Concentration %	SYNTHETIC METHIONINE Adj. for 100% LBS	SYNTHETIC METHIONINE Adj. for 100% TOTAL LBS FED	
				<small>*= C /2000</small>		<small>enter as decimal (e.g. 0.99)</small>	<small>*= E x F</small>	<small>*= D x G</small>	<small>*= H Total / D Total</small>
1	0-6 weeks	42	150,000	75	3.5	0.99	3.465	259.875	
2	6 - 8 weeks	14	120,000	60	3.5	0.99	3.465	207.9	
3	8 - 12 weeks	28	345,000	172.5	3	0.99	2.97	512.325	
4	12 - 14 weeks	14	240,000	120	3	0.99	2.97	356.4	
5	14 - 16 weeks	14	270,000	135	2.5	0.99	2.475	334.125	
6				0			0	0	
7				0			0	0	
8				0			0	0	
9				0			0	0	
10				0			0	0	
TOTAL		112	1,125,000	562.5	15.5		15.345	1670.625	2.97

This flock has 15,000 birds and uses five feed formulations. User inputs flock and feed information into Columns A, B, C, E, and F. Formulas for calculating information for Columns D, G, H and the average synthetic methionine over the life of the flock are listed at the top of the columns.

Turkey Example

Column	A	B	C	D	E	F	G	H	AVERAGE
			TOTAL FEED INTAKE	TOTAL FEED INTAKE	SYNTHETIC METHIONINE Added	SYNTHETIC METHIONINE Concentration	SYNTHETIC METHIONINE Adj. for 100%	SYNTHETIC METHIONINE Adj. for 100%	SYNTHETIC METHIONINE OVER LIFE OF FLOCK
Feed Formulation	Age of Birds	DAYS	LBS/FLOCK	TONS/FLOCK	LBS/TON	%	LBS	TOTAL LBS FED	#/TON
				*= C /2000		enter as decimal (e.g. 0.99)	*= E x F	*= D x G	*= H Total / D Total
1	0-3 weeks	21	45,000	22.5	2.75	0.98	2.695	60.6375	
2	3-5 weeks	21	76,050	38.025	2.75	0.98	2.695	102.477375	
3	5-6 weeks	9	48,600	24.3	2	0.98	1.96	47.628	
4				0			0	0	
5				0			0	0	
6				0			0	0	
7				0			0	0	
8				0			0	0	
9				0			0	0	
10				0			0	0	
TOTAL		51	169,650	84.825	7.5		7.35	210.742875	2.48

This flock has 15,000 birds and uses three feed formulations. User inputs flock and feed information into Columns A, B, C, E, and F. Formulas for calculating information for Columns D, G, H and the average synthetic methionine over the life of the flock are listed at the top of the columns.

Broiler Example

Column	A	B	C	D	E	F	G	H	AVERAGE
Feed Formulation	Age of Birds	DAYS	TOTAL FEED INTAKE LBS/FLOCK	TOTAL FEED INTAKE TONS /FLOCK	SYNTHETIC METHIONINE Added LBS/TON	SYNTHETIC METHIONINE Concentration %	SYNTHETIC METHIONINE Adj. for 100% LBS	SYNTHETIC METHIONINE Adj. for 100% TOTAL LBS FED	SYNTHETIC METHIONINE OVER LIFE OF FLOCK #/TON
				*= C /2000		enter as decimal (e.g. 0.99)	*= E x F	*= D x G	*= H Total /D Total
1	0-10 weeks	70	296,000	148	3.5	0.5	1.75	259	
2	11-16 weeks	42	292,000	146	2.9	0.5	1.45	211.7	
3	17-20 weeks	28	494,000	247	3.1	0.5	1.55	382.85	
4	21-40 weeks	168	1540000	770	2.5	0.5	1.25	962.5	
5	41-70 weeks	203	2510000	1255	2	0.5	1	1255	
6				0			0	0	
7				0			0	0	
8				0			0	0	
9				0			0	0	
10				0			0	0	
TOTAL		511	5,132,000	2566	14		7	3071.05	1.19682385

Pullet Layer Example