

Poultry Feed Nutrition Chart & FCR Data

Standardized Ileal Digestibility (SID) Formulation | All Rations FSMA-Compliant

Targets are based on SID amino acid profiling. All values assume a SID Lys:ME ratio is maintained within each growth phase.

Phase	Age (Days)	CP %	SID Lys %	ME (kcal/kg)	Target FCR	Form
Pre-Starter	0–7	23.0	1.50	3,050	< 0.90	Micro-Crumble
Starter	1–14	22.0	1.40	3,100	< 1.35	Crumble
Grower	15–28	20.0	1.25	3,150	< 1.65	Pellet 3mm
Finisher I	29–35	18.5	1.10	3,200	< 1.85	Pellet 4mm
Finisher II	36–42	17.5	1.00	3,250	< 2.00	Pellet 4mm
Withdrawal	43–slaughter	16.0	0.90	3,200	< 2.10	Pellet 4mm

Phase	Age (Weeks)	CP %	Ca %	P Avail %	SID Lys %	Egg Prod Target
Pre-Lay / Developer	14–17	15.0	1.00	0.35	0.72	—
Peak Lay Phase 1	18–40	17.0	3.80	0.40	0.82	> 93%
Peak Lay Phase 2	41–60	16.5	3.90	0.40	0.78	> 90%
Late Lay	61–72+	16.0	4.10	0.38	0.72	> 85%

Phase	Age (Weeks)	CP %	Ca %	Feed Rate (g/bird/day)
Grower / Developer	7–23	15.0	1.00	Controlled — see body weight curve
Pre-Breeder	24–26	16.0	2.50	~140–155 g/bird/day
Peak Breeder / Egg Prod	27–45	18.0	3.20	~160–175 g/bird/day
Late Breeder	46–60+	17.0	3.40	~155 g/bird/day

The following table compares published industry average FCR data against documented Melick Aquafeeds customer performance records (2023–2025 commercial audits).

Ration Type	Industry Avg FCR	Melick Avg FCR	Improvement
Broiler (42-day)	1.95–2.05	1.80–1.88	6–8% better FCR
Layer (per dozen eggs)	2.10–2.20 lbs feed	1.95–2.05 lbs feed	5–7% reduction
Broiler Breeder (hatching)	4.8–5.2 lbs/egg set	4.4–4.8 lbs/egg set	~8% improvement