

MILK REPLACER CHART FOR GREY-HEADED & BLACK FLYING-FOXES

Approximate age, forearm measurements and weights (to be used as a guide only).

VOLUMES FOR FULL CREAM COW'S MILK (BOTH DRIED DIPLOMA™ & FRESH) PLUS CALCIUM.
NB: NAN 2 IS FED AT SAME VOLUME. MIXING INSTRUCTIONS BELOW.

Important: All orphaned flying-foxes on receipt are fed volume of milk for their WEIGHT (not age).

AGE	ARM	WT	FEED	
[days]	[mm]	[grams]	[mL/day]	[schedule]

1	57.5	71	23	4 4 5 5 5
2	59	72	24	4 5 5 5 5
3	60	73	24	4 5 5 5 5
4	61.5	74	25	5 5 5 5 5
5	63	75	25	5 5 5 5 5
6	64	76	26	5 5 5 5 6
1 week	65	78	26	5 5 5 5 6
8	66.5	79	27	5 5 5 6 6
9	68	80	27	5 5 5 6 6
10	69	82	28	5 5 6 6 6
11	70	83	29	5 6 6 6 6
12	71.5	85	29	5 6 6 6 6
13	72.5	87	30	6 6 6 6 6
2 wks [1]	73.5	89	31	6 6 6 6 7
15	75	91	32	6 6 6 7 7
16	76	93	33	6 6 7 7 7
17	77	95	33	6 6 7 7 7
18	78.5	98	34	6 7 7 7 7
19	79.5	100	35	7 7 7 7 7
20	80.5	102	36	7 7 7 7 8
3 wks [2]	81.5	104	36	7 7 7 7 8
22	83	106	37	7 7 7 8 8
23	84	109	38	7 7 8 8 8
24	85	112	38	7 7 8 8 8
25	86	115	39	7 8 8 8 8
26	87	117	40	8 8 8 8 8
27	88	119	40	8 8 8 8 8
4 wks [3]	89	122	41	10 10 10 11
29	90	125	42	10 10 11 11
30	91	128	42	10 10 11 11
31	92	131	43	10 11 11 11
32	93	134	44	11 11 11 11
33	94	137	44	11 11 11 11
34	95	140	45	11 11 11 12
5 weeks	96	144	46	11 11 12 12
36	97	147	46	11 11 12 12
37	98	150	47	11 12 12 12
38	99	153	48	12 12 12 12
39	99.5	156	48	12 12 12 12
40	100.5	159	49	12 12 12 13
41	101.5	162	49	12 12 12 13
6 weeks	102	166	50	12 12 13 13

AGE	ARM	WT	FEED	
[days]	[mm]	[grams]	[mL/day]	[schedule]

43	103	169	50	12 12 13 13
44	104	173	51	12 13 13 13
45	105	177	51	12 13 13 13
46	105.5	180	52	13 13 13 13
47	106.5	183	52	13 13 13 13
48	107.5	187	53	13 13 13 14
7 wks [4]	108.5	192	53	13 13 13 14
50	109.5	195	54	13 13 14 14
51	110	198	54	13 13 14 14
52	110.5	202	54	13 13 14 14
53	111.5	206	55	13 14 14 14
54	112	209	55	13 14 14 14
55	113	213	56	14 14 14 14
8 weeks	114	217	56	14 14 14 14
57	114.5	221	56	14 14 14 14
58	115	225	57	14 14 14 15
59	116	229	57	14 14 14 15
60	117	232	57	14 14 14 15
61	117.5	236	58	14 14 15 15
62	118.5	240	58	14 14 15 15
9 weeks	119	244	58	14 14 15 15
64	119.5	248	59	14 15 15 15
65	120	252	59	14 15 15 15
66	121	256	59	14 15 15 15
67	121.5	260	60	15 15 15 15
68	122	263	60	15 15 15 15
69	123	267	60	15 15 15 15
10 wks	123.5	272	60	15 15 15 15
71 [5]	124	275	45	15 15 15
72	124.5	279	45	15 15 15
73	125	283	45	15 15 15
74	126	287	30	15 15
75	126.5	291	30	15 15
76	127	295	30	15 15
11 wks	127.5	298	15	15
78	128	303	15	15
79	129	307	15	15
80 [6]	129.5	310	0	0
81	130	314	0	0
82	130.5	317	0	0
83	131	322	0	0
12 wks	131.5	326	0	0

NOTES:

- [1] Start making transition to feeding for AGE. [2] All orphans should now be drinking volume of milk for AGE. [3] Reduce from 5 feeds to 4.
[4] Introduce fruit – blacks and greys. [5] Start adding powder to fruit. [6] All orphans should now be weaned, and eating appropriate sized fruit to enter crèche.

AGE	ARM	WT	FEED	
[days]	[mm]	[grams]	[mls/day]	[schedule]

85	132	329	-	-
86	132.5	333	-	-
87	133	337	-	-
88	133.5	340	-	-
89	134	344	-	-
90	134.5	348	-	-
13 wks	134.5	352	-	-
92	135	355	-	-
93	135.5	358	-	-
94	136	362	-	-
95	136.5	365	-	-
96	137	368	-	-
97	137	372	-	-
14 wks	137.5	375	-	-
99	138	378	-	-
100	138.5	382	-	-
101	139	385	-	-
102	139	388	-	-
103	139.5	391	-	-
104	140	394	-	-
15 wks	140	398	-	-
106	140.5	401	-	-
107	140.5	404	-	-
108	141	407	-	-
109	141.5	409	-	-
110	141.5	412	-	-
111	142	415	-	-
16 wks	142	418	-	-

AGE	ARM	WT	FEED	
[days]	[mm]	[grams]	[mls/day]	[schedule]

113	142	420	-	-
114	142.5	423	-	-
115	143	426	-	-
116	143	428	-	-
117	143	430	-	-
118	143.5	433	-	-
17 wks	143.5	435	-	-
120	144	437	-	-
121	144	439	-	-
122	144	441	-	-
123	144.5	443	-	-
124	144.5	445	-	-
125	145	447	-	-
18 wks	145	448	-	-
127	145	450	-	-
128	145	452	-	-
129	145.5	454	-	-
130	145.5	455	-	-
131	145.5	457	-	-
132	146	458	-	-
19 wks	146	459	-	-
134	146	460	-	-
135	146	461	-	-
136	146	462	-	-
137	146.5	463	-	-
138	146.5	463	-	-
139	146.5	464	-	-
20 wks	146.5	464	-	-

SUGGESTED FEED TIMES 5 x DAILY [4 hours between each feed]				
7.00 am	11.00 am	3.00 pm	7.00 pm	11.00 pm

SUGGESTED FEED TIMES 4 x DAILY [5 hours between each feed]			
7.00 am	12.00 pm	5.00 pm	10.00 pm

WATER FOR ORPHANS: All orphan pups should be offered water ad lib between milk feeds at least once per day – more so in very hot weather. Water to be available at all times once on ailer/frame.

MIXING DIPLOMA FULL CREAM MILK POWDER (RECIPE BASED ON A 15mL TABLESPOON) YIELDING @ 61.5mL TOTAL VOLUME.

- 1 level tablespoon DIPLOMA® full cream powdered cow's milk.
- 3 level tablespoons cooled PRE-BOILED WATER (this equates to 45mL water).
- 1.5mL SANDOZ® calcium syrup (by Novartis). Alternatively, you can use TROY calcium syrup by Troy Laboratories (same amount). This syrup, produced by an Australian company, has exactly the same 22mg/mL of soluble Ca.

MIXING FRESH FULL CREAM COW'S MILK

- 100mL of FRESH FULL CREAM COW'S MILK.
- 1/2 level teaspoon of GLUCODIN® powdered glucose.
- 2mL SANDOZ® calcium syrup (by Novartis). Alternatively you can use TROY calcium syrup by Troy Laboratories (same amount). This syrup, produced by an Australian company, has exactly the same 22mg/mL of soluble Ca.

MIXING NAN 2

- 3.5 level scoops NAN (scoop provided in tin).
- 75mL of PRE-BOILED WATER.

Chart compiled and produced by Dave Pinson & Connie Kerr (2009) from graphed data (n=60) with 3-step polynomial regression applied.