

Table 1. Calculations of feed intake and vitamin E concentrations for each of the 40 horses competing in the *Research Ride 2002*. The total feed amount was calculated using 2.5 % body weight. Vitamin E amounts were determined using NRC (1989) and feed analysis from the respective companies. VT 10 = Virginia Tech feed #10, formulated with a high sugar and starch base with added fat (similar to the commercial high fat feeds on the market); VT 11 = Virginia Tech feed #11, formulated with a high fiber base with added fat as the energy source; OG = Orchard grass; BG = Blue grass; SS = Southern States Cooperative; PF = Pennifield Feeds; FC = Free choice.

Horse #	Tot feed (kg)	Forage (type, hrs/d)	Amount (%)	<i>E in Forage</i> (IU)	Grain (type)	Amount (kg)	<i>E in Grain</i> (IU)	Bran (lb)	Amount (lb)	<i>E in Bran</i> (IU)	Salt	Amount (oz)	<i>E in Salt</i> (IU)	Supplement	Amount (oz)	<i>E in Suppl.</i> (IU)	TOTAL Vitamin E (IU/d)
1	25.0	OG, 24	0.84	2100	VT 10	5	271.8				Equimin	5	125	Myoguard	2	2000	4496.8
2	22.5	mixed grass, 24	0.78	1755	VT 10	6	326.2				Trace mineral block	FC					1755.0
3	25.0	BG/OG/Rye, 24	0.80	2000	PF Enduroevent	5	435.0				Iodized salt block	FC		Balancer pellets	1	138	2573.0
5	25.0	mixed grass, 24	0.52	1300	PF Enduroevent	12	1044.0				Trace mineral block	FC					2344.0
6	22.5	OG/fescue, 24	0.51	1148	VT 10	11	598.0				Trace mineral block	FC					1147.5
7	20.0	OG/fescue, 24	0.90	1800	VT 10	2.5	135.9				Trace mineral block	FC					1800.0
8	25.0	OG/clover, 24	0.82	2050	PF Enduroevent	3	261.0							Equi-Se	1	1000	3311.0
9	25.0	mixed grass, 24	0.60	1500	SS Equitech 10	7	560.0				Iodized salt block	FC		Crta Flex	1	0	2060.0
10	20.0	fescue, 24	0.50	1000	VT 10	10	543.6				Iodized salt block	FC		Myoguard	2	2000	3000.0

11	22.5	OG, 24	0.66	1485	VT 10	10	543.6				Equimin	5	125	Myoguard	2	2000	3610.0
12	30.0	fescue, 24	0.80	2400	VT 11	6	326.2				Trace mineral block	FC					2400.0
13	27.5	fescue, 24	0.78	2145	VT 11	6	326.2				Trace mineral block	FC					2145.0
14	27.5	fescue mix, 24	0.70	1925	VT 11	8	434.9	Equijewel	0.25	6.75	Equimin	5	125				2056.8
15	22.5	fescue mix, 24	0.78	1755	VT 11	5	271.8	Equijewel	0.25	6.75	Equimin	5	125				1886.8
16	25.0	fescue mix, 24	0.68	1700	VT 11	8	434.9	Equijewel	0.25	6.75	Equimin	5	125				1831.8
17	22.5	OG/clover/ alfafa, 24	0.74	1665	VT 10	6	326.2										1665.0
18	22.5	mixed grass, 24	0.82	1845	VT 10	3	163.1				Iodized salt block	FC		Consequin	1	0	1845.0
19	25.0	mixed grass/clover, 24	0.60	1500	VT 11	10	543.6				Equimin	5	125				1625.0
20	20.0	mised grass, 24	0.60	1200	VT 10	14	761.0				Trace mineral block	FC		Redcell/ Glucosamine	2 1	0 0	1200.0
21	20.0	poor OG, 24 & OG/alf hay	0.70	1230	VT 11	6	326.2										1230.0
22	25.0	fescue mix, 24	0.60	1500	VT 11	10	543.6										1500.0
23	25.0	fescue mix, 24	0.92	2300	VT 11	3	163.1										2300.0
24	25.0	OG/clover, 24	0.60	1500	VT 10	10	543.6				Purina 12/12	5	125	Hunt country equine	1	0	1625.0
25	25.0	mixed grass, 24	0.60	1500	VT 10	10	543.6				Equimin	5	125	Magnesium oxide	1	0	1625.0
26	25.0	mixed grass, 24	0.60	1500	VT 10	10	543.6				Equimin	5	125	Magnesium oxide	1	0	1625.0
28	22.5	mixed grass, 24	0.74	1665	VT 10	6	326.2				Trace mineral block	FC		Biotin	1	0	1665.0
29	22.5	OG, 24	0.90	2025	SS Equitech	2	160.0				Trace mineral block	FC		E + Se/ Cosequin	1 1	1000 0	3185.0

30	20.0	OG, 24	0.90	1800	SS Equitech 10	2	160.0				Trace mineral block	FC	E + Se/ Cosequin	1 1	1000 0	2960.0	
31	22.5	OG, 24	0.90	2025	SS Equitech 10	2	160.0				Trace mineral block	FC	E + Se/ Cosequin	1 1	1000 0	3185.0	
32	22.5	fescue, 24	0.66	1485	VT 10	10	543.6									1485.0	
33	20.0	fescue/clover, 24	0.75	1500	VT 10	5	271.8	Equijewel	0.25	6.75	Purina 12/12	5	125	Equi Se + E/ Vit. C	1 1	1400 0	3031.8
34	22.5	poor OG, 24 & Timothy hay	0.87	1481	VT 11	3	163.1				Trace mineral block	FC	Se + E	1	1000	2480.9	
36	22.5	mixed grass, 24	0.69	1553	VT 10	7	380.5									1552.5	
37	25.0	Timothy/OG/ BG/Rye, 24	0.60	1500	SS Equitech 10	10	800.0						Vetamix Eq Se + E/ Vetri-plus	1 1	2400 0	4700.0	
38	25.0	OG, 24	0.64	1600	Purina Senior & Pacemaker	5 + 4	510.2				Trace mineral block	FC	E + Se/ Glucosamine/ Source	1 1 0.5	1086 0 0	3086.0	
39	25.0	mixed grass, 24	0.60	1500	VT 11	10	543.6				Trace mineral loose	FC				1500.0	
40	27.5	mixed grass, 24	0.64	1760	VT 11	10	543.6				Trace mineral loose	FC				1760.0	
42	22.5	mixed grass, 24	0.60	1350	Nutrena Legancy	9	810.0									2160.0	
43	27.5	fescue mix, 24	0.64	1760	VT 11	10	543.6						Vit E/ Clivite/ Flaxseed meal	1 1 50 cc	1200 0 0	2960.0	
44	20.0	OG, 24	0.60	1200	SS Reliance & Equitech	4 + 4	520.0						E + Se/ Glucosamine	0.5 1	500 0	2220.0	