

Spoon-feeding Nutriculture in PPM through a proportioner

Ounces of Fertilizer Required Per Gallon of Water to Achieve 100 PPM

Select the percentage of fertilizer element in the left hand column and the ratio of the injector across the top of the chart. Where they meet is the amount of fertilizer required per gallon of concentrate solution to achieve **100 Parts Per Million**.

For other PPM concentrations multiply the required amount by desired PPM and divide by 100.

Example: To feed at 400 PPM Nitrogen using a proportioner set at a ratio of 1:100 and using a fertilizer with a Nitrogen content of 20%.

20% and 1:100 intersect at 6.66 ozs. The chart is at 100 PPM so $6.66 \times 400 / 100 = 26.64$ ozs.

If the tank feeding the proportioner holds 5 gals, multiply the 26.64 ozs. by 5 to get the total fertilizer required.

	1:15	1:50	1:100	1:150	1:200	1:250	1:300	1:350	1:400	1:500
3%	6.66	22.21	44.43	66.64	88.85	111.07	133.28	155.49	177.71	222
4%	5	16.66	33.32	49.98	66.64	83.3	99.96	116.62	133.28	166
5%	4	13.33	26.66	39.98	53.31	66.64	79.97	93.3	106.62	133
6%	3.33	11.11	22.21	33.32	44.43	55.53	66.64	77.75	88.85	111
7%	2.86	9.52	19.04	28.56	38.08	47.6	57.12	66.64	76.16	95.2
8%	2.5	8.33	16.66	24.99	33.32	41.65	49.98	58.31	66.64	83.3
9%	2.22	7.4	14.81	22.21	29.62	37.02	44.43	51.83	59.24	74
10%	2	6.66	13.33	19.99	26.66	33.32	39.98	46.65	53.31	66.6
11%	1.82	6.06	12.12	18.17	24.23	30.29	36.35	42.41	48.47	60.6
12%	1.67	5.55	11.11	16.66	22.21	27.77	33.32	38.87	44.43	55.5
13%	1.54	5.13	10.25	15.38	20.5	25.63	30.76	35.88	41.01	51.3
14%	1.43	4.76	9.52	14.28	19.04	23.8	28.56	33.32	38.08	47.6
15%	1.33	4.44	8.89	13.33	17.77	22.21	26.66	31.1	35.54	44.4
16%	1.25	4.17	8.33	12.5	16.66	20.83	24.99	29.16	33.32	41.7
17%	1.18	3.92	7.84	11.76	15.68	19.6	23.52	27.44	31.36	39.2
18%	1.11	3.7	7.4	11.11	14.81	18.51	22.21	25.92	29.62	37
19%	1.05	3.51	7.01	10.52	14.03	17.54	21.04	24.55	28.06	35.1
20%	1	3.33	6.66	10	13.33	16.66	19.99	23.32	26.66	33.3
21%	0.95	3.17	6.35	9.52	12.69	15.87	19.04	22.21	25.39	31.7
22%	0.91	3.03	6.06	9.09	12.12	15.15	18.17	21.2	24.23	30.3
23%	0.87	2.9	5.79	8.69	11.59	14.49	17.38	20.28	23.18	29
24%	0.83	2.78	5.55	8.33	11.11	13.88	16.66	19.44	22.21	27.8
25%	0.8	2.67	5.33	8	10.66	13.33	15.99	18.66	21.32	26.7
26%	0.77	2.56	5.13	7.69	10.25	12.82	15.38	17.94	20.5	25.6
27%	0.74	2.47	4.94	7.4	9.87	12.34	14.81	17.28	19.75	24.7
28%	0.71	2.38	4.76	7.14	9.52	11.9	14.28	16.66	19.04	23.8
29%	0.69	2.3	4.6	6.89	9.19	11.49	13.79	16.09	18.38	23
30%	0.67	2.22	4.44	6.66	8.89	11.11	13.33	15.55	17.77	22.2

Grams of Fertilizer Required Per Litre of Water to Achieve 100 PPM

	1:15	1:50	1:100	1:150	1:200	1:250	1:300	1:350	1:400	1:500
3%	50	167	333	500	667	833	1000	1167	1333	1667
4%	37.5	125	250	375	500	625	750	875	1000	1250
5%	30	100	200	300	400	500	600	700	800	1000
6%	25	83	167	250	333	417	500	583	667	833
7%	21.43	71	143	214	286	357	429	500	571	714
8%	18.75	63	125	188	250	313	375	438	500	625
9%	16.67	56	111	167	222	278	333	389	444	556
10%	15	50	100	150	200	250	300	350	400	500
11%	13.64	45	91	136	182	227	273	318	364	455
12%	12.5	42	83	125	167	208	250	292	333	417
13%	11.54	38	77	115	154	192	231	269	308	385
14%	10.71	36	71	107	143	179	214	250	286	357
15%	10	33	67	100	133	167	200	233	267	333
16%	9.38	31	63	94	125	156	188	219	250	313
17%	8.82	29	59	88	118	147	176	206	235	294
18%	8.33	28	56	83	111	139	167	194	222	278
19%	7.89	26	53	79	105	132	158	184	211	263
20%	7.5	25	50	75	100	125	150	175	200	250
21%	7.14	24	48	71	95	119	143	167	190	238
22%	6.82	23	45	68	91	114	136	159	182	227
23%	6.52	22	43	65	87	109	130	152	174	217
24%	6.25	21	42	63	83	104	125	146	167	208
25%	6	20	40	60	80	100	120	140	160	200
26%	5.77	19	38	58	77	96	115	135	154	192
27%	5.56	19	37	56	74	93	111	130	148	185
28%	5.36	18	36	54	71	89	107	125	143	179
29%	5.17	17	34	52	69	86	103	121	138	172
30%	5	17	33	50	67	83	100	117	133	167

