

OUNCES OF FERTILIZER PER GALLON OF CONCENTRATE

To Make 100 PPM Nitrogen at an Injector Ratio of:

% of N	1:12	1:24	1:30	1:50	1:100	1:128	1:150	1:200	1:300	1:400
1	16.2	32.4	40.5	67.5	135.0	172.8	202.5	270.0	405.0	540.0
2	8.1	16.2	20.3	33.8	67.5	86.4	101.3	135.0	202.5	270.0
3	5.4	10.8	13.5	22.5	45.0	57.6	67.5	90.0	135.0	180.0
4	4.0	8.1	10.1	16.9	33.8	43.2	50.6	67.5	101.3	135.0
5	3.2	6.5	8.1	13.5	27.0	34.6	40.5	54.0	81.0	108.0
6	2.7	5.4	6.8	11.3	22.5	28.8	33.8	45.0	67.5	90.0
7	2.3	4.6	5.8	9.8	19.3	24.7	28.9	38.6	57.9	77.2
8	2.0	4.0	5.0	8.4	16.9	21.6	25.3	33.8	50.6	67.6
9	1.8	3.6	4.5	7.5	15.0	19.2	22.5	30.0	45.0	60.0
10	1.6	3.2	4.05	6.75	13.5	17.28	20.25	27.0	40.5	54.0
11	1.5	3.0	3.68	6.14	12.27	15.71	18.41	24.55	36.8	49.1
12	1.4	2.8	3.38	5.63	11.25	14.4	16.88	22.5	33.75	45.0
13	1.3	2.6	3.12	5.19	10.38	13.29	15.58	20.77	31.15	41.54
14	1.2	2.4	2.89	4.82	9.64	12.34	14.46	19.29	28.93	38.58
15	1.1	2.2	2.7	4.5	9.0	11.52	13.5	18.0	27.0	36.0
16	1.01	2.02	2.53	4.23	8.44	10.8	12.69	16.88	25.13	33.76
17	.95	1.9	2.38	3.97	7.94	10.16	11.91	15.88	23.82	31.76
18	.90	1.8	2.25	3.75	7.5	9.6	11.25	15.0	22.5	30.0
19	.85	1.7	2.13	3.55	7.1	9.09	10.66	14.21	21.32	28.42
20	.81	1.62	2.03	3.38	6.75	8.64	10.13	13.5	20.25	27.0
21	.77	1.54	1.93	3.21	6.43	8.23	9.64	12.86	19.29	25.72
22	.72	1.44	1.84	3.07	6.14	7.85	9.2	12.27	18.41	24.54
23	.70	1.4	1.76	2.93	5.87	7.51	8.8	11.74	17.61	23.48
24	.68	1.36	1.69	2.81	5.63	7.2	8.44	11.25	16.88	22.5
25	.65	1.3	1.62	2.7	5.4	6.91	8.1	10.8	16.2	21.6
26	.62	1.24	1.56	2.6	5.19	6.65	7.79	10.38	15.58	20.76
27	.60	1.2	1.5	2.5	5.0	6.4	7.5	10.0	15.0	20.0
28	.58	1.16	1.45	2.41	4.82	6.17	7.23	9.64	14.46	19.28
29	.56	1.12	1.4	2.33	4.66	5.96	6.98	9.31	13.96	18.62
30	.54	1.08	1.35	2.25	4.5	5.74	6.75	9.0	13.5	18.0
31	.52	1.04	1.31	2.18	4.35	5.57	6.53	8.71	13.06	17.42
32	.51	1.02	1.27	2.11	4.22	5.4	6.33	8.44	12.66	16.88
33	.49	.98	1.23	2.05	4.09	5.24	6.14	8.18	12.27	16.36
34	.48	.96	1.19	1.99	3.97	5.08	5.96	7.94	11.91	15.88
35	.46	.92	1.15	1.93	3.86	4.94	5.79	7.71	11.57	15.42

PARTS PER MILLION:

To determine parts per million (ppm) of an element in fertilizer, simply multiply the percent of that element by 75. The answer will be the ppm of the element per ounce of the fertilizer in 100 gallons of water.

For instance, how much 20-20-20 fertilizer should you use to get a 200 ppm nitrogen solution

Example:

$.20 \times 75 = 15$ ppm (% of nitrogen element in fertilizer multiplied by 75)

$200 / 15 = 13.3$ oz. (desired solution divided by ppm per ounce)

13.3 oz. of fertilizer are required to produce a 200 ppm nitrogen solution in 100 gallons of water.

POTENTIAL ACIDITY/BASICITY

Potential Acidity is expressed as the number of pounds of calcium carbonate equivalent that it would take to neutralize the acidity of a ton of a given fertilizer. A fertilizer with a moderate to high potential acidity can be used to overcome water alkalinity up to levels of 200 to 250 ppm.

Potential Basicity is expressed as the number of pounds of calcium carbonate equivalent per ton of fertilizer. Such a fertilizer will raise the pH of growing medium and will do nothing to reduce water alkalinity.

