END USE COST PER GALLON

This chart allows you to calculate the end use cost per gallon based on different prices per gallon and different dilution ratios. This is useful when you want to compare product costs from different companies when the price per gallon and/or the dilution ratio are different.

Dilution ratios are an important component to consider when comparing products from two different companies. If your current product has a low dilution ratio, like 1:4 and you find you can use one of PIC's products at 1:10 you can actually pay more per gallon for PIC's product and still save $$$$. For examples, or help, scroll down to scenarios at the bottom.

To calculate a cost per end use gallon, find the price/gallon for the undiluted product in the left column. Then find the appropriate dilution ratio. The number in the location where those two intersect is the cost per end use gallon.

		Cost per end use gallon at different dilution ratios										
Cost Per Gallon ($)	**Mix 1:1**	**Mix 1:4**	**Mix 1:8**	**Mix 1:10**	**Mix 1:12**	**Mix 1:16**	**Mix 1:20**	**Mix 1:32**	**Mix 1:40**	**Mix 1:64**	**Mix 1:128**	**Mix 1:256**
2.00	1.00	.400	.222	.181	.153	.118	.095	.060	.049	.031	.016	.008
2.50	1.25	.500	.277	.227	.192	.147	.119	.076	.061	.038	.019	.010
3.00	1.50	.600	.333	.272	.231	.176	.143	.091	.073	.046	.023	.011
3.50	1.75	.700	.388	.318	.269	.206	.167	.106	.085	.054	.027	.014
4.00	2.00	.800	.444	.363	.308	.235	.190	.121.	.098	.062	.031	.016
4.50	2.25	.900	.500	.409	.346	.265	.214	.136	.110	.069	.035	.018
5.00	2.50	1.00	.555	.454	.385	.294	.238	.152	.122	.077	.039	.019
5.50	2.75	1.10	.611	.500	.423	.323	.261	.167	.134	.085	.043	.021
6.00	3.00	1.20	.666	.545	.461	.353	.286	.182	.146	.092	.047	.023
6.50	3.25	1.30	.722	.591	.500	.382	.310	.197	.159	.100	.050	.025
7.00	3.50	1.40	.777	.636	.538	.412	.333	.212	.171	.108	.054	.027
7.50	3.75	1.50	.833	.681	.577	.441	.357	.227	.183	.115	.058	.029
8.00	4.00	1.60	.888	.727	.615	.471	.381	.242	.195	.123	.062	.031
8.50	4.25	1.70	.944	.773	.654	.500	.404	.258	.207	.131.	.066	.033
9.00	4.50	1.80	1.000	.818	.692	.529	.429	.273	.220	.138	.070	.035
9.50	4.75	1.90	1.050	.863	.731	.559	.452	.288	.232	.146	.074	.037
10.00	5.00	2.00	1.110	.909	.769	.588	.476	.303	.244	.154	.078	.039
10.50	5.25	2.10	1.166	.955	.808	.618	.500	.318	.256	.162	.081	.041
11.00	5.50	2.20	1.222	1.000	.846	.647	.524	.333	.268	.169	.085	.043
11.50	5.75	2.30	1.278	1.045	.885	.676	.548	.348	.280	.176	.089	.045
12.00	6.00	2.40	1.333	1.091	.923	.706	.571	.364	.293	.185	.093	.047
12.50	6.25	2.50	1.388	1.136	.962	.735	.595	.379	.305	.192	.097	.049
13.00	6.50	2.60	1.444	1.181	1.000	.765	.619	.394	.317	.200	.101	.051
13.50	6.75	2.70	1.500	1.227	1.038	.794	.642	.409	.329	.208	.105	.053
14.00	7.00	2.80	1.555	1.273	1.077	.823	.667	.424	.341	.215	.109	.054
14.50	7.25	2.90	1.611	1.318	1.115	.852	.690	.439	.354	.223	.112	.056
15.00	7.50	3.00	1.666	1.364	1.154	.882	.714	.455	.366	.230	.116	.058
15.50	7.75	3.10	1.722	1.409	1.192	.912	.738	.470	.378	.238	.120	.060
16.00	8.00	3.20	1.777	1.454	1.231	.941	.761	.485	.390	.246	.124	.062
16.50	8.25	3.30	1.833	1.500	1.269	.971	.785	.500	.402	.254	.128	.064
17.00	8.50	3.40	1.888	1.545	1.308	1.000	.810	.515	.415	.262	.132	.066
17.50	8.75	3.50	1.944	1.591	1.346	1.029	.833	.530	.427	.269	.136	.068

18.00	9.00	3.60	2.000	1.636	1.385	1.059	.857	.545	.439	.277	.140	.070
18.50	9.25	3.70	2.055	1.681	1.423	1.088	.881	.561	.451	.285	.143	.072
19.00	9.50	3.80	2.111	1.727	1.462	1.118	.905	.576	.463	.293	.147	.074
19.50	9.75	3.90	2.166	1.773	1.500	1.147	.929	.591	.476	.300	.151	.076
20.00	10.00	4.00	2.222	1.818	1.538	1.176	.952	.606	.488	.308	.155	.078

Scenario # 1: You pay $9.50/gal and dilute a product 1:4. You tried a sample of PIC's product and found the equivalent dilution ratio for your application was 1:10. At what price per gallon would you save 50%?

Answer #1: Your current cost per gallon of end use product is $1.90. Looking down the 1:10 column for a number that is $.95 or less, we find the answer is $10.50/gal, assuming the same 1:10 dilution ratio.

Scenario # 2: You pay $9.50/gal and dilute a product 1:4. You tried a sample of PIC's product and found the equivalent dilution ratio for your application was 1:10. How much is your cost per end use gallon in the above scenario?

Answer #2: Your cost per gallon of end use product is $1.90. Looking down the 1:10 column, we find the answer is $20.00/gal, which is $1.818/gal.

Scenario # 3: How do I calculate my price per end use gallon when the price or dilution ratio I need are not listed?

Answer #3: To manually calculate a cost per end use gallon, take your price per gallon and divide by the sum of the dilution ratios. For example: Your cost per gallon is $10.80 and you dilute at 1:5. Divide $10.80 by 6 (1 part chemical + 5 parts water). Your end use cost per gallon equals $1.80.