

## Mash Tun Capacity (88% Capacity) - Pounds of Grain

### Mash Kettle Volume (gallons)

WGR (qt/lb)	WGR (l/kg or lb/lb)	mash density lb/gal	Mash Kettle Volume (gallons)							
			4	5	8	10	12	15	20	30
<b>1</b>	<b>2.1</b>	8.98	<b>10.3</b>	<b>12.8</b>	20.5	<b>25.7</b>	30.8	<b>38.5</b>	51.3	<b>77.0</b>
<b>1.1</b>	<b>2.3</b>	8.93	<b>9.6</b>	<b>12.0</b>	19.1	<b>23.9</b>	28.7	<b>35.9</b>	47.8	<b>71.7</b>
<b>1.2</b>	<b>2.5</b>	8.90	<b>9.0</b>	<b>11.2</b>	17.9	<b>22.4</b>	26.9	<b>33.6</b>	44.8	<b>67.2</b>
<b>1.3</b>	<b>2.7</b>	8.86	<b>8.4</b>	<b>10.5</b>	16.8	<b>21.1</b>	25.3	<b>31.6</b>	42.1	<b>63.2</b>
<b>1.33</b>	<b>2.8</b>	8.85	<b>8.3</b>	<b>10.3</b>	16.5	<b>20.7</b>	24.8	<b>31.0</b>	41.4	<b>62.0</b>
<b>1.4</b>	<b>2.9</b>	8.83	<b>7.9</b>	<b>9.9</b>	15.9	<b>19.9</b>	23.8	<b>29.8</b>	39.7	<b>59.6</b>
<b>1.5</b>	<b>3.1</b>	8.80	<b>7.5</b>	<b>9.4</b>	15.0	<b>18.8</b>	22.6	<b>28.2</b>	37.6	<b>56.4</b>
<b>1.6</b>	<b>3.3</b>	8.78	<b>7.1</b>	<b>8.9</b>	14.3	<b>17.8</b>	21.4	<b>26.8</b>	35.7	<b>53.5</b>
<b>1.7</b>	<b>3.5</b>	8.76	<b>6.8</b>	<b>8.5</b>	13.6	<b>17.0</b>	20.4	<b>25.5</b>	34.0	<b>51.0</b>
<b>1.75</b>	<b>3.6</b>	8.75	<b>6.6</b>	<b>8.3</b>	13.3	<b>16.6</b>	19.9	<b>24.9</b>	33.2	<b>49.8</b>
<b>1.8</b>	<b>3.7</b>	8.74	<b>6.5</b>	<b>8.1</b>	13.0	<b>16.2</b>	19.4	<b>24.3</b>	32.4	<b>48.6</b>
<b>1.9</b>	<b>4.0</b>	8.72	<b>6.2</b>	<b>7.7</b>	12.4	<b>15.5</b>	18.6	<b>23.2</b>	31.0	<b>46.5</b>
<b>2</b>	<b>4.2</b>	8.70	<b>5.9</b>	<b>7.4</b>	11.9	<b>14.8</b>	17.8	<b>22.3</b>	29.7	<b>44.5</b>
<b>2.1</b>	<b>4.4</b>	8.69	<b>5.7</b>	<b>7.1</b>	11.4	<b>14.2</b>	17.1	<b>21.4</b>	28.5	<b>42.7</b>
<b>2.2</b>	<b>4.6</b>	8.67	<b>5.5</b>	<b>6.8</b>	10.9	<b>13.7</b>	16.4	<b>20.5</b>	27.4	<b>41.1</b>
<b>2.3</b>	<b>4.8</b>	8.66	<b>5.3</b>	<b>6.6</b>	10.5	<b>13.2</b>	15.8	<b>19.8</b>	26.3	<b>39.5</b>
<b>2.4</b>	<b>5.0</b>	8.65	<b>5.1</b>	<b>6.3</b>	10.2	<b>12.7</b>	15.2	<b>19.0</b>	25.4	<b>38.1</b>

*Density = (1 + (2.08\*WGR))/(0.093+(WGR/4)) -> Formula from Maximize Your Mash (D. Morey)*

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WGR (qt/lb)	WGR (l/kg or lb/lb)	mash density lb/gal	Mash Kettle Volume (gallons)							
			4	5	8	10	12	15	20	30
1	2.1	9.33	10.7	13.3	21.3	26.7	32.0	40.0	53.3	80.0
1.1	2.3	9.26	9.9	12.4	19.8	24.8	29.7	37.2	49.6	74.4
1.2	2.5	9.20	9.3	11.6	18.5	23.2	27.8	34.7	46.3	69.5
1.3	2.7	9.15	8.7	10.9	17.4	21.7	26.1	32.6	43.5	65.2
1.33	2.8	9.13	8.5	10.7	17.1	21.3	25.6	32.0	42.7	64.0
1.4	2.9	9.10	8.2	10.2	16.4	20.5	24.6	30.7	40.9	61.4
1.5	3.1	9.05	7.7	9.7	15.5	19.3	23.2	29.0	38.7	58.0
1.6	3.3	9.02	7.3	9.2	14.7	18.3	22.0	27.5	36.7	55.0
1.7	3.5	8.98	7.0	8.7	13.9	17.4	20.9	26.1	34.9	52.3
1.75	3.6	8.97	6.8	8.5	13.6	17.0	20.4	25.5	34.0	51.0
1.8	3.7	8.95	6.6	8.3	13.3	16.6	19.9	24.9	33.2	49.8
1.9	4.0	8.92	6.3	7.9	12.7	15.9	19.0	23.8	31.7	47.6
2	4.2	8.90	6.1	7.6	12.1	15.2	18.2	22.8	30.3	45.5
2.1	4.4	8.87	5.8	7.3	11.6	14.5	17.5	21.8	29.1	43.6
2.2	4.6	8.85	5.6	7.0	11.2	14.0	16.8	21.0	27.9	41.9
2.3	4.8	8.83	5.4	6.7	10.7	13.4	16.1	20.2	26.9	40.3
2.4	5.0	8.81	5.2	6.5	10.4	12.9	15.5	19.4	25.9	38.8

$Density = (1 + (2.08 * WGR)) / (0.08 + (WGR / 4))$  -> Formula used by StrangeBrew software