



## 15" Chafer Multi-Rate Stream Bar Chart

ORIFICE CODE	GALL/MIN WATER	PRESSURE P.S.I	GAL/MIN Liquid N	SPEED IN M.P.H							
				6	8	10	12	14	16	18	20
<b>US GALLONS PER ACRE OF LIQUID NITROGEN</b>											
<b>1</b>	<b>0.30</b>	<b>20</b>	<b>0.27</b>	17.6	13.2	10.6	8.8	7.5	6.6	5.9	5.3
	0.34	25	<b>0.30</b>	19.7	14.8	11.8	9.8	8.4	7.4	6.6	5.9
	<b>0.37</b>	<b>30</b>	<b>0.33</b>	21.5	16.2	12.9	10.8	9.2	8.1	7.2	6.5
	0.40	35	<b>0.35</b>	23.3	17.5	14.0	11.6	10.0	8.7	7.8	7.0
	<b>0.43</b>	<b>40</b>	<b>0.38</b>	24.9	18.7	14.9	12.4	10.7	9.3	8.3	7.5
	0.45	45	<b>0.40</b>	26.4	19.8	15.8	13.2	11.3	9.9	8.8	7.9
	<b>0.48</b>	<b>50</b>	<b>0.42</b>	27.8	20.9	16.7	13.9	11.9	10.4	9.3	8.3
<b>0.50</b>	55	<b>0.44</b>	29.2	21.9	17.5	14.6	12.5	10.9	9.7	8.8	
<b>2</b>	<b>0.45</b>	<b>20</b>	<b>0.40</b>	26.4	19.8	15.8	13.2	11.3	9.9	8.8	7.9
	0.48	25	<b>0.42</b>	28.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4
	<b>0.51</b>	<b>30</b>	<b>0.45</b>	29.5	22.1	17.7	14.8	12.7	11.1	9.8	8.9
	0.53	35	<b>0.47</b>	31.0	23.2	18.6	15.5	13.3	11.6	10.3	9.3
	<b>0.55</b>	<b>40</b>	<b>0.49</b>	32.3	24.3	19.4	16.2	13.9	12.1	10.8	9.7
	0.58	45	<b>0.51</b>	33.7	25.2	20.2	16.8	14.4	12.6	11.2	10.1
	<b>0.60</b>	<b>50</b>	<b>0.53</b>	34.9	26.2	21.0	17.5	15.0	13.1	11.6	10.5
<b>0.62</b>	55	<b>0.55</b>	36.2	27.1	21.7	18.1	15.5	13.6	12.1	10.8	
<b>3</b>	<b>0.65</b>	<b>20</b>	<b>0.57</b>	37.8	28.4	22.7	18.9	16.2	14.2	12.6	11.3
	0.69	25	<b>0.61</b>	40.1	30.1	24.1	20.1	17.2	15.0	13.4	12.0
	<b>0.72</b>	<b>30</b>	<b>0.64</b>	42.3	31.7	25.4	21.1	18.1	15.9	14.1	12.7
	0.76	35	<b>0.67</b>	44.4	33.3	26.6	22.2	19.0	16.6	14.8	13.3
	<b>0.79</b>	<b>40</b>	<b>0.70</b>	46.3	34.7	27.8	23.2	19.9	17.4	15.4	13.9
	0.83	45	<b>0.73</b>	48.2	36.2	28.9	24.1	20.7	18.1	16.1	14.5
	<b>0.86</b>	<b>50</b>	<b>0.76</b>	50.0	37.5	30.0	25.0	21.4	18.8	16.7	15.0
<b>0.89</b>	55	<b>0.78</b>	51.8	38.8	31.1	25.9	22.2	19.4	17.3	15.5	
<b>4</b>	<b>0.88</b>	<b>20</b>	<b>0.78</b>	51.4	38.5	30.8	25.7	22.0	19.3	17.1	15.4
	0.93	25	<b>0.83</b>	54.5	40.9	32.7	27.3	23.4	20.4	18.2	16.4
	<b>0.98</b>	<b>30</b>	<b>0.87</b>	57.5	43.1	34.5	28.7	24.6	21.5	19.2	17.2
	1.03	35	<b>0.91</b>	60.3	45.2	36.2	30.1	25.8	22.6	20.1	18.1
	<b>1.08</b>	<b>40</b>	<b>0.95</b>	62.9	47.2	37.8	31.5	27.0	23.6	21.0	18.9
	1.12	45	<b>0.99</b>	65.5	49.1	39.3	32.8	28.1	24.6	21.8	19.7
	<b>1.16</b>	<b>50</b>	<b>1.03</b>	68.0	51.0	40.8	34.0	29.1	25.5	22.7	20.4
<b>1.20</b>	55	<b>1.07</b>	70.4	52.8	42.2	35.2	30.2	26.4	23.5	21.1	
<b>5</b>	<b>1.11</b>	<b>20</b>	<b>0.98</b>	65.0	48.7	39.0	32.5	27.8	24.4	21.7	19.5
	1.18	25	<b>1.04</b>	68.9	51.7	41.3	34.4	29.5	25.8	23.0	20.7
	<b>1.24</b>	<b>30</b>	<b>1.10</b>	72.6	54.5	43.6	36.3	31.1	27.2	24.2	21.8
	1.30	35	<b>1.15</b>	76.2	57.1	45.7	38.1	32.6	28.6	25.4	22.9
	<b>1.36</b>	<b>40</b>	<b>1.21</b>	79.6	59.7	47.7	39.8	34.1	29.8	26.5	23.9
	1.42	45	<b>1.25</b>	82.8	62.1	49.7	41.4	35.5	31.1	27.6	24.8
	<b>1.47</b>	<b>50</b>	<b>1.30</b>	85.9	64.4	51.6	43.0	36.8	32.2	28.6	25.8
<b>1.52</b>	55	<b>1.35</b>	88.9	66.7	53.4	44.5	38.1	33.4	29.6	26.7	
<b>6</b>	<b>1.86</b>	<b>20</b>	<b>1.64</b>	108.5	81.4	65.1	54.3	46.5	40.7	36.2	32.6
	1.97	25	<b>1.74</b>	115.1	86.3	69.1	57.5	49.3	43.2	38.4	34.5
	<b>2.08</b>	<b>30</b>	<b>1.84</b>	121.3	91.0	72.8	60.7	52.0	45.5	40.4	36.4
	2.18	35	<b>1.93</b>	127.2	95.4	76.3	63.6	54.5	47.7	42.4	38.2
	<b>2.28</b>	<b>40</b>	<b>2.01</b>	132.9	99.7	79.7	66.4	57.0	49.8	44.3	39.9
	2.37	45	<b>2.10</b>	138.3	103.7	83.0	69.2	59.3	51.9	46.1	41.5
	<b>2.46</b>	<b>50</b>	<b>2.17</b>	143.5	107.7	86.1	71.8	61.5	53.8	47.8	43.1
<b>2.54</b>	55	<b>2.25</b>	148.6	111.4	89.1	74.3	63.7	55.7	49.5	44.6	

CHARTS BASED ON FERTILIZER WITH 1.28 S.G. \* FLOW RATE OF FERTILIZER IS AS A GUIDE ONLY AND COMPENSATION MAY NEED TO BE MADE TO RATE CONTROLLERS TO ACHIEVE EXACT RATES