

## Vibrance XL mixed with AWAKEN ST (Low Rate) on Wheat / Barley

### Calibration for Wheat / Barley - G40 Applicator

Nozzle used - D16 Disc / #45 Core / 16 Mesh Strainer

Mix component application rates	Applied Slurry volumes	Mar. 8, 2013
<b>Vibrance XL - 180 mL / 100 Kg</b>	Wheat - 120 mL / bu	
<b>Awaken ST (Low Rate) - 260 mL / 100 Kg</b>	Barley - 96 mL / bu	
<b>Total Slurry - 440 mL / 100 Kg</b>		

### Slurry Mix Chart

Component Volumes Required			Bushels Treated	
Vibrance XL	Awaken (Low Rate)	Slurry	Wheat	Barley
Liters	Liters	Liters	bu	bu
5.54	8.0	13.5	113	141
11.08	16.0	27.1	226	282
16.62	24.0	40.6	338	423
22.16	32.0	54.2	451	564
27.70	40.0	67.7	564	705
33.24	48.0	81.2	677	846
38.78	56.0	94.8	790	987
44.32	64.0	108.3	903	1128
49.86	72.0	121.9	1015	1269
55.40	80.0	135.4	1128	1410

#### G40 Pressure Calibration Table

Vibrance XL + Awaken (Low Rate) on Wheat

D16 Disc / #45 Core / 16 Mesh Strainer

#### G40 Pressure Calibration Table

Vibrance XL + Awaken (Low Rate) on Barley

D16 Disc / #45 Core / 16 Mesh Strainer

Seed Rate	Slurry		Seed Rate	Slurry	
	Pressure	Volume		Pressure	Volume
bu / min	p.s.i.	mL / min	bu / min	p.s.i.	mL / min
22.4	10	2685	28.0	10	2685
28.2	15	3388	35.3	15	3388
34.0	20	4078	42.5	20	4078
39.2	25	4703	49.0	25	4703
43.7	30	5241	54.6	30	5241
47.6	35	5707	59.4	35	5707

Wheat - 120 mL/bu slurry volume

Barley - 96 mL/bu slurry volume

#### Notes

**This mixture was tested for flow calibration only.**

**Check with your product supplier for chemical compatibility or crop suitability.**

Thoroughly agitate slurry before pumping; settling can occur between uses.

Close shutoff valves and keep air out of system between applications.

**Make sure nozzle used is - D16 Disc / #45 Core / 16 Mesh Strainer**

**Flows will vary depending on temperature, and the size and length of the discharge tubing.**

Clean up with water after extended use.

**Raxil WW mixed with AWAKEN ST (High Rate) on Wheat / Barley****Calibration for Wheat / Barley - G40 Applicator****Nozzle used - D16 Disc / #45 Core / 16 Mesh Strainer**

Mix component application rates	Applied Slurry volumes	Apr.2, 2012
Raxil WW - 363 mL / 100 Kg	Wheat - 182 mL / bu	
<b>Awaken ST (High Rate) - 307 mL / 100 Kg</b>	Barley - 146 mL / bu	
Total Slurry - 670 mL / 100 Kg		

**Slurry Mix Chart**

Component Volumes Required			Bushels Treated	
Raxil WW	Awaken (High Rate)	Slurry	Wheat	Barley
Liters	Liters	Liters	bu	bu
12.1	10.2	22.3	123	153
24.2	20.5	44.7	245	306
36.3	30.7	67.0	368	459
48.4	40.9	89.3	491	612
60.5	51.2	111.7	614	765
72.6	61.4	134.0	736	918
84.7	71.7	156.4	859	1071
96.8	81.9	178.7	982	1224
108.9	92.1	201.0	1105	1377
121.0	102.4	223.4	1227	1530

G40 Pressure Calibration Table			G40 Pressure Calibration Table		
Raxil WW with Awaken (High Rate) on Wheat			Raxil WW with Awaken (High Rate) on Barley		
<b>D16 Disc / #45 Core / 16 Mesh Strainer</b>			<b>D16 Disc / #45 Core / 16 Mesh Strainer</b>		
Seed	Slurry		Seed	Slurry	
Rate	Pressure	Volume	Rate	Pressure	Volume
bu / min	p.s.i.	mL / min	bu / min	p.s.i.	mL / min
17.1	10	3113	21.3	10	3113
20.8	15	3783	25.9	15	3783
24.0	20	4371	29.9	20	4371
26.9	25	4892	33.5	25	4892
29.3	30	5341	36.6	30	5341
31.6	35	5746	39.4	35	5746
33.7	40	6137	42.0	40	6137
Wheat - 182 mL/bu slurry volume			Barley - 146 mL/bu slurry volume		

**Notes**

**This mixture was tested for flow calibration only.**

**Check with your product supplier for chemical compatibility or crop suitability.**

**Thoroughly agitate slurry before pumping; settling can occur between uses.**

**Close shutoff valves and keep air out of system between applications.**

**Make sure nozzle used is - D16 Disc / #45 Core / 16 Mesh Strainer**

**Flows will vary depending on temperature, and the size and length of the discharge tubing.**

**Clean up with water after extended use.**

All products mentioned are registered trademarks or trademarks of their respective companies.

<b>Raxil WW mixed with AWAKEN ST (Low Rate) on Wheat / Barley</b>					
<b>Calibration for Wheat / Barley - G40 Applicator</b>					
<b>Nozzle used - D16 Disc / #45 Core / 16 Mesh Strainer</b>					
Mix component application rates			Applied Slurry volumes		Apr.2, 2012
Raxil WW - 363 mL / 100 Kg			Wheat - 170 mL / bu		
Awaken ST (Low Rate) - 260 mL / 100 Kg			Barley - 136 mL / bu		
Total Slurry - 623 mL / 100 Kg					
<b>Slurry Mix Chart</b>					
Component Volumes Required			Bushels Treated		
Raxil WW	Awaken (Low Rate)	Slurry	Wheat	Barley	
Liters	Liters	Liters	bu	bu	
12.1	8.7	20.8	122	153	
24.2	17.3	41.5	244	305	
36.3	26.0	62.3	366	458	
48.4	34.7	83.1	489	611	
60.5	43.3	103.8	611	763	
72.6	52.0	124.6	733	916	
84.7	60.6	145.3	855	1069	
96.8	69.3	166.1	977	1221	
108.9	78.0	186.9	1099	1374	
121.0	86.6	207.6	1221	1527	
<b>G40 Pressure Calibration Table</b>			<b>G40 Pressure Calibration Table</b>		
Raxil WW with Awaken (Low Rate) on Wheat			Raxil WW with Awaken (Low Rate) on Barley		
<b>D16 Disc / #45 Core / 16 Mesh Strainer</b>			<b>D16 Disc / #45 Core / 16 Mesh Strainer</b>		
Seed	Slurry		Seed	Slurry	
Rate	Pressure	Volume	Rate	Pressure	Volume
bu / min	p.s.i.	mL / min	bu / min	p.s.i.	mL / min
18.3	10	3113	22.9	10	3113
22.3	15	3783	27.8	15	3783
25.7	20	4371	32.1	20	4371
28.8	25	4892	36.0	25	4892
31.4	30	5341	39.3	30	5341
33.8	35	5746	42.3	35	5746
36.1	40	6137	45.1	40	6137
Wheat - 170 mL/bu slurry volume			Barley - 136 mL/bu slurry volume		
<b>Notes</b>					
<b>This mixture was tested for flow calibration only.</b>					
<b>Check with your product supplier for chemical compatability or crop suitability.</b>					
Thoroughly agitate slurry before pumping; settling can occur between uses.					
Close shutoff valves and keep air out of system between applications.					
<b>Make sure nozzle used is - D16 Disc / #45 Core / 16 Mesh Strainer</b>					
<b>Flows will vary depending on temperature, and the size and length of the discharge tubing.</b>					
Clean up with water after extended use.					
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**Raxil MD mixed with AWAKEN ST (High Rate) on Wheat / Barley****Calibration for Wheat / Barley - G40 Applicator****Nozzle used - D16 Disc / #45 Core / 16 Mesh Strainer**

Mix component application rates	Applied Slurry volumes	Apr.1, 2012
Raxil MD - 300 mL / 100 Kg	Wheat - 165 mL / bu	
<b>Awaken ST (High Rate) - 307 mL / 100 Kg</b>	Barley - 132 mL / bu	
Total Slurry - 607 mL / 100 Kg		

**Slurry Mix Chart**

Component Volumes Required			Bushels Treated	
Raxil MD	Awaken (High Rate)	Slurry	Wheat	Barley
Liters	Liters	Liters	bu	bu
10.0	10.2	20.2	123	153
20.0	20.5	40.5	245	307
30.0	30.7	60.7	368	460
40.0	40.9	80.9	490	613
50.0	51.2	101.2	613	766
60.0	61.4	121.4	736	920
70.0	71.6	141.6	858	1073
80.0	81.8	161.8	981	1226
90.0	92.1	182.1	1103	1379
100.0	102.3	202.3	1226	1533

**G40 Pressure Calibration Table****G40 Pressure Calibration Table**

Raxil MD with Awaken (High Rate) on Wheat

Raxil MD with Awaken (High Rate) on Barley

**D16 Disc / #45 Core / 16 Mesh Strainer****D16 Disc / #45 Core / 16 Mesh Strainer**

Seed	Slurry		Seed	Slurry	
Rate	Pressure	Volume	Rate	Pressure	Volume
bu / min	p.s.i.	mL / min	bu / min	p.s.i.	mL / min
18.8	10	3096	23.5	10	3096
22.9	15	3782	28.7	15	3782
26.2	20	4323	32.8	20	4323
29.3	25	4829	36.6	25	4829
32.2	30	5320	40.3	30	5320
34.9	35	5754	43.6	35	5754
37.5	40	6187	46.9	40	6187

Wheat - 165 mL/bu slurry volume

Barley - 132 mL/bu slurry volume

**Notes****This mixture was tested for flow calibration only.****Check with your product supplier for chemical compatability or crop suitability.****Thoroughly agitate slurry before pumping; settling can occur between uses.****Close shutoff valves and keep air out of system between applications.****Make sure nozzle used is - D16 Disc / #45 Core / 16 Mesh Strainer****Flows will vary depending on temperature, and the size and length of the discharge tubing.****Clean up with water after extended use.**

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**Raxil MD mixed with AWAKEN ST (Low Rate) on Wheat / Barley****Calibration for Wheat / Barley - G40 Applicator****Nozzle used - D16 Disc / #45 Core / 16 Mesh Strainer**

Mix component application rates	Applied Slurry volumes	Apr.1, 2012
Raxil MD - 300 mL / 100 Kg	Wheat - 152 mL / bu	
<b>Awaken ST (Low Rate) - 260 mL / 100 Kg</b>	Barley - 122 mL / bu	
Total Slurry - 560 mL / 100 Kg		

**Slurry Mix Chart**

Component Volumes Required			Bushels Treated	
Raxil MD	Awaken (Low Rate)	Slurry	Wheat	Barley
Liters	Liters	Liters	bu	bu
10.0	8.7	18.7	123	153
20.0	17.3	37.3	246	306
30.0	26.0	56.0	368	459
40.0	34.7	74.7	491	612
50.0	43.4	93.4	614	765
60.0	52.0	112.0	737	918
70.0	60.7	130.7	860	1071
80.0	69.4	149.4	983	1224
90.0	78.0	168.0	1105	1377
100.0	86.7	186.7	1228	1530

**G40 Pressure Calibration Table**Raxil MD with **Awaken (Low Rate)** on Wheat**D16 Disc / #45 Core / 16 Mesh Strainer**

Seed Rate	Slurry	
bu / min	Pressure p.s.i.	Volume mL / min
20.4	10	3096
24.9	15	3782
28.4	20	4323
31.8	25	4829
35.0	30	5320
37.9	35	5754
40.7	40	6187

**G40 Pressure Calibration Table**Raxil MD with **Awaken (Low Rate)** on Barley**D16 Disc / #45 Core / 16 Mesh Strainer**

Seed Rate	Slurry	
bu / min	Pressure p.s.i.	Volume mL / min
25.4	10	3096
31.0	15	3782
35.4	20	4323
39.6	25	4829
43.6	30	5320
47.2	35	5754
50.7	40	6187

Wheat - 152 mL/bu slurry volume

Barley - 122 mL/bu slurry volume

**Notes****This mixture was tested for flow calibration only.****Check with your product supplier for chemical compatability or crop suitability.****Thoroughly agitate slurry before pumping; settling can occur between uses.****Close shutoff valves and keep air out of system between applications.****Make sure nozzle used is - D16 Disc / #45 Core / 16 Mesh Strainer****Flows will vary depending on temperature, and the size and length of the discharge tubing.****Clean up with water after extended use.**

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<b>Rancona mixed with AWAKEN ST (High Rate) on Wheat / Barley</b>					
<b>Calibration for Wheat / Barley - G40 Applicator</b>					
<b>Nozzle used - D16 Disc / #45 Core / 16 Mesh Strainer</b>					
Mix component application rates			Applied Slurry volumes		Apr.1, 2012
Rancona - 325 mL / 100 Kg			Wheat - 172 mL / bu		
Awaken ST (High Rate) - 307 mL / 100 Kg			Barley - 138 mL / bu		
Total Slurry - 632 mL / 100 Kg					
<b>Slurry Mix Chart</b>					
Component Volumes Required			Bushels Treated		
Rancona	Awaken (High Rate)	Slurry	Wheat	Barley	
Liters	Liters	Liters	bu	bu	
10.0	9.5	19.5	113	141	
20.0	18.9	38.9	226	282	
30.0	28.4	58.4	339	423	
40.0	37.8	77.8	452	564	
50.0	47.3	97.3	565	705	
60.0	56.7	116.7	678	846	
70.0	66.2	136.2	792	987	
80.0	75.6	155.6	905	1128	
90.0	85.1	175.1	1018	1268	
100.0	94.5	194.5	1131	1409	
<b>G40 Pressure Calibration Table</b>			<b>G40 Pressure Calibration Table</b>		
Rancona with Awaken (High Rate) on Wheat			Rancona with Awaken (High Rate) on Barley		
<b>D16 Disc / #45 Core / 16 Mesh Strainer</b>			<b>D16 Disc / #45 Core / 16 Mesh Strainer</b>		
Seed	Slurry		Seed	Slurry	
Rate	Pressure	Volume	Rate	Pressure	Volume
bu / min	p.s.i.	mL / min	bu / min	p.s.i.	mL / min
17.3	10	2979	21.6	10	2979
20.7	15	3560	25.8	15	3560
23.6	20	4052	29.4	20	4052
26.9	25	4629	33.5	25	4629
29.2	30	5018	36.4	30	5018
31.6	35	5429	39.3	35	5429
34.2	40	5890	42.7	40	5890
Wheat - 172 mL/bu slurry volume			Barley - 138 mL/bu slurry volume		
<b>Notes</b>					
<b>This mixture was tested for flow calibration only.</b>					
<b>Check with your product supplier for chemical compatability or crop suitability.</b>					
Thoroughly agitate slurry before pumping; settling can occur between uses.					
Close shutoff valves and keep air out of system between applications.					
<b>Make sure nozzle used is - D16 Disc / #45 Core / 16 Mesh Strainer</b>					
<b>Flows will vary depending on temperature, and the size and length of the discharge tubing.</b>					
Clean up with water after extended use.					
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**Rancona mixed with AWAKEN ST (Low Rate) on Wheat / Barley****Calibration for Wheat / Barley - G40 Applicator****Nozzle used - D16 Disc / #45 Core / 16 Mesh Strainer**

Mix component application rates	Applied Slurry volumes	Mar.31, 2012
Rancona - 325 mL / 100 Kg	Wheat - 159 mL / bu	
<b>Awaken ST (Low Rate) - 260 mL / 100 Kg</b>	Barley - 127 mL / bu	
<b>Total Slurry - 585 mL / 100 Kg</b>		

**Slurry Mix Chart**

Component Volumes Required			Bushels Treated	
Rancona	Awaken (Low Rate)	Slurry	Wheat	Barley
Liters	Liters	Liters	bu	bu
10.0	8.0	18.0	113	142
20.0	16.0	36.0	226	283
30.0	24.0	54.0	340	425
40.0	32.0	72.0	453	567
50.0	40.0	90.0	566	709
60.0	48.0	108.0	679	850
70.0	56.0	126.0	792	992
80.0	64.0	144.0	906	1134
90.0	72.0	162.0	1019	1276
100.0	80.0	180.0	1132	1417

G40 Pressure Calibration Table			G40 Pressure Calibration Table		
Rancona with Awaken (Low Rate) on Wheat			Rancona with Awaken (Low Rate) on Barley		
D16 Disc / #45 Core / 16 Mesh Strainer			D16 Disc / #45 Core / 16 Mesh Strainer		
Seed	Slurry		Seed	Slurry	
Rate	Pressure	Volume	Rate	Pressure	Volume
bu / min	p.s.i.	mL / min	bu / min	p.s.i.	mL / min
18.7	10	2979	23.5	10	2979
22.4	15	3560	28.0	15	3560
25.5	20	4052	31.9	20	4052
29.1	25	4629	36.4	25	4629
31.6	30	5018	39.5	30	5018
34.1	35	5429	42.7	35	5429
37.0	40	5890	46.4	40	5890
Wheat - 159 mL/bu slurry volume			Barley - 127 mL/bu slurry volume		

**Notes**

**This mixture was tested for flow calibration only.**

**Check with your product supplier for chemical compatability or crop suitability.**

**Thoroughly agitate slurry before pumping; settling can occur between uses.**

**Close shutoff valves and keep air out of system between applications.**

**Make sure nozzle used is - D16 Disc / #45 Core / 16 Mesh Strainer**

**Flows will vary depending on temperature, and the size and length of the discharge tubing.**

**Clean up with water after extended use.**

**Dividend XL RTA mixed with AWAKEN ST (High Rate) on Wheat / Barley**

**Calibration for Wheat / Barley - G40 Applicator**

**Nozzle used - D16 Disc / #45 Core / 16 Mesh Strainer**

Mix component application rates	Applied Slurry volumes	Apr.2, 2012
Dividend XL RTA - 325 mL / 100 Kg	Wheat - 172 mL / bu	
Awaken ST (High Rate) - 307 mL / 100 Kg	Barley - 138 mL / bu	
Total Slurry - 632 mL / 100 Kg		

**Slurry Mix Chart**

Component Volumes Required			Bushels Treated	
Dividend XL RTA	Awaken (High Rate)	Slurry	Wheat	Barley
Liters	Liters	Liters	bu	bu
10.0	9.5	19.5	113	141
20.0	18.9	38.9	226	282
30.0	28.4	58.4	339	423
40.0	37.8	77.8	452	564
50.0	47.3	97.3	565	705
60.0	56.7	116.7	678	846
70.0	66.2	136.2	792	987
80.0	75.6	155.6	905	1128
90.0	85.1	175.1	1018	1268
100.0	94.5	194.5	1131	1409

**G40 Pressure Calibration Table**

**G40 Pressure Calibration Table**

Dividend with Awaken (High Rate) on Wheat

Dividend with Awaken (High Rate) on Barley

**D16 Disc / #45 Core / 16 Mesh Strainer**

**D16 Disc / #45 Core / 16 Mesh Strainer**

Seed Rate	Slurry		Seed Rate	Slurry	
	Pressure	Volume		Pressure	Volume
bu / min	p.s.i.	mL / min	bu / min	p.s.i.	mL / min
17.3	10	2976	21.6	10	2976
21.1	15	3635	26.3	15	3635
24.3	20	4179	30.3	20	4179
27.3	25	4697	34.0	25	4697
30.2	30	5198	37.7	30	5198
32.5	35	5597	40.6	35	5597
34.8	40	5983	43.4	40	5983

Wheat - 172 mL/bu slurry volume

Barley - 138 mL/bu slurry volume

**Notes**

**This mixture was tested for flow calibration only.**

**Check with your product supplier for chemical compatability or crop suitability.**

**Thoroughly agitate slurry before pumping; settling can occur between uses.**

**Close shutoff valves and keep air out of system between applications.**

**Make sure nozzle used is - D16 Disc / #45 Core / 16 Mesh Strainer**

**Flows will vary depending on temperature, and the size and length of the discharge tubing.**

**Clean up with water after extended use.**

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**Dividend XL RTA mixed with AWAKEN ST (Low Rate) on Wheat / Barley****Calibration for Wheat / Barley - G40 Applicator****Nozzle used - D16 Disc / #45 Core / 16 Mesh Strainer**

Mix component application rates	Applied Slurry volumes	Apr.2, 2012
Dividend XL RTA - 325 mL / 100 Kg	Wheat - 159 mL / bu	
<b>Awaken ST (Low Rate) - 260 mL / 100 Kg</b>	Barley - 127 mL / bu	
<b>Total Slurry - 585 mL / 100 Kg</b>		

**Slurry Mix Chart**

Component Volumes Required			Bushels Treated	
Dividend XL RTA	Awaken (Low Rate)	Slurry	Wheat	Barley
Liters	Liters	Liters	bu	bu
10.0	8.0	18.0	113	142
20.0	16.0	36.0	226	283
30.0	24.0	54.0	340	425
40.0	32.0	72.0	453	567
50.0	40.0	90.0	566	709
60.0	48.0	108.0	679	850
70.0	56.0	126.0	792	992
80.0	64.0	144.0	906	1134
90.0	72.0	162.0	1019	1276
100.0	80.0	180.0	1132	1417

**G40 Pressure Calibration Table**Dividend with **Awaken (Low Rate)** on Wheat**D16 Disc / #45 Core / 16 Mesh Strainer**

Seed	Slurry	
Rate	Pressure	Volume
bu / min	p.s.i.	mL / min
<b>18.7</b>	<b>10</b>	<b>2976</b>
<b>22.9</b>	<b>15</b>	<b>3635</b>
<b>26.3</b>	<b>20</b>	<b>4179</b>
<b>29.5</b>	<b>25</b>	<b>4697</b>
<b>32.7</b>	<b>30</b>	<b>5198</b>
<b>35.2</b>	<b>35</b>	<b>5597</b>
<b>37.6</b>	<b>40</b>	<b>5983</b>

**G40 Pressure Calibration Table**Dividend with **Awaken (Low Rate)** on Barley**D16 Disc / #45 Core / 16 Mesh Strainer**

Seed	Slurry	
Rate	Pressure	Volume
bu / min	p.s.i.	mL / min
<b>23.4</b>	<b>10</b>	<b>2976</b>
<b>28.6</b>	<b>15</b>	<b>3635</b>
<b>32.9</b>	<b>20</b>	<b>4179</b>
<b>37.0</b>	<b>25</b>	<b>4697</b>
<b>40.9</b>	<b>30</b>	<b>5198</b>
<b>44.1</b>	<b>35</b>	<b>5597</b>
<b>47.1</b>	<b>40</b>	<b>5983</b>

Wheat - 159 mL/bu slurry volume

Barley - 127 mL/bu slurry volume

**Notes****This mixture was tested for flow calibration only.****Check with your product supplier for chemical compatability or crop suitability.****Thoroughly agitate slurry before pumping; settling can occur between uses.****Close shutoff valves and keep air out of system between applications.****Make sure nozzle used is - D16 Disc / #45 Core / 16 Mesh Strainer****Flows will vary depending on temperature, and the size and length of the discharge tubing.****Clean up with water after extended use.**

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**Cruiser Maxx Cereals mixed with AWAKEN ST (High Rate) on Wheat / Barley****Calibration for Wheat / Barley - G40 Applicator****Nozzle used - D16 Disc / #45 Core / 16 Mesh Strainer**

Mix component application rates	Applied Slurry volumes	Apr.3, 2012
Cruiser Maxx Cereals - 325 mL / 100 Kg	Wheat - 172 mL / bu	
<b>Awaken ST (High Rate) - 307 mL / 100 Kg</b>	Barley - 138 mL / bu	
Total Slurry - 632 mL / 100 Kg		

**Slurry Mix Chart**

Component Volumes Required			Bushels Treated	
Cruiser Maxx Cereals	Awaken (High Rate)	Slurry	Wheat	Barley
Liters	Liters	Liters	bu	bu
10.0	9.5	19.5	113	141
20.0	18.9	38.9	226	282
30.0	28.4	58.4	339	423
40.0	37.8	77.8	452	564
50.0	47.3	97.3	565	705
60.0	56.7	116.7	678	846
70.0	66.2	136.2	792	987
80.0	75.6	155.6	905	1128
90.0	85.1	175.1	1018	1268
100.0	94.5	194.5	1131	1409

**G40 Pressure Calibration Table****G40 Pressure Calibration Table**

Cruiser Maxx Cereals + Awaken (High Rate) on Wheat

Cruiser Maxx Cereals + Awaken (High Rate) on Barley

**D16 Disc / #45 Core / 16 Mesh Strainer****D16 Disc / #45 Core / 16 Mesh Strainer**

Seed Rate	Slurry		Seed Rate	Slurry	
bu / min	Pressure p.s.i.	Volume mL / min	bu / min	Pressure p.s.i.	Volume mL / min
17.2	10	2953	21.4	10	2953
20.9	15	3603	26.1	15	3603
23.9	20	4111	29.8	20	4111
26.8	25	4611	33.4	25	4611
29.3	30	5047	36.6	30	5047
31.5	35	5419	39.3	35	5419
33.8	40	5808	42.1	40	5808

Wheat - 172 mL/bu slurry volume

Barley - 138 mL/bu slurry volume

**Notes****This mixture was tested for flow calibration only.****Check with your product supplier for chemical compatibility or crop suitability.****Thoroughly agitate slurry before pumping; settling can occur between uses.****Close shutoff valves and keep air out of system between applications.****Make sure nozzle used is - D16 Disc / #45 Core / 16 Mesh Strainer****Flows will vary depending on temperature, and the size and length of the discharge tubing.****Clean up with water after extended use.**

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**Cruiser Maxx Cereals mixed with AWAKEN ST (Low Rate) on Wheat / Barley****Calibration for Wheat / Barley - G40 Applicator****Nozzle used - D16 Disc / #45 Core / 16 Mesh Strainer**

Mix component application rates	Applied Slurry volumes	Apr.3, 2012
Cruiser Maxx Cereals - 325 mL / 100 Kg	Wheat - 159 mL / bu	
Awaken ST (Low Rate) - 260 mL / 100 Kg	Barley - 127 mL / bu	
Total Slurry - 585 mL / 100 Kg		

**Slurry Mix Chart**

Component Volumes Required			Bushels Treated	
Cruiser Maxx Cereals	Awaken (Low Rate)	Slurry	Wheat	Barley
Liters	Liters	Liters	bu	bu
10.0	8.0	18.0	113	142
20.0	16.0	36.0	226	283
30.0	24.0	54.0	340	425
40.0	32.0	72.0	453	567
50.0	40.0	90.0	566	709
60.0	48.0	108.0	679	850
70.0	56.0	126.0	792	992
80.0	64.0	144.0	906	1134
90.0	72.0	162.0	1019	1276
100.0	80.0	180.0	1132	1417

**G40 Pressure Calibration Table****G40 Pressure Calibration Table**

Cruiser Maxx Cereals + Awaken (Low Rate) on Wheat

Cruiser Maxx Cereals + Awaken (Low Rate) on Barley

**D16 Disc / #45 Core / 16 Mesh Strainer****D16 Disc / #45 Core / 16 Mesh Strainer**

Seed	Slurry		Seed	Slurry	
Rate	Pressure	Volume	Rate	Pressure	Volume
bu / min	p.s.i.	mL / min	bu / min	p.s.i.	mL / min
18.6	10	2953	23.3	10	2953
22.7	15	3603	28.4	15	3603
25.9	20	4111	32.4	20	4111
29.0	25	4611	36.3	25	4611
31.7	30	5047	39.7	30	5047
34.1	35	5419	42.7	35	5419
36.5	40	5808	45.7	40	5808

Wheat - 159 mL/bu slurry volume

Barley - 127 mL/bu slurry volume

**Notes****This mixture was tested for flow calibration only.****Check with your product supplier for chemical compatibility or crop suitability.****Thoroughly agitate slurry before pumping; settling can occur between uses.****Close shutoff valves and keep air out of system between applications.****Make sure nozzle used is - D16 Disc / #45 Core / 16 Mesh Strainer****Flows will vary depending on temperature, and the size and length of the discharge tubing.****Clean up with water after extended use.**

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<b>AWAKEN ST Calibration - Barley / Wheat - G40 Applicator</b>					
<b>D10 Disc / #45 Core / 16 Mesh Strainer (G40 Standard Nozzle Kit)</b>					
					Mar. 31/2012
<b>Wheat - @ 106 mL / bu</b> (390 mL / 100 kg)		<b>G40 calibration - AWAKEN ST on Wheat</b>			
		<b>D10 Disc / #45 Core (G40 Standard Nozzle Kit)</b>			
		<b>Wheat</b>	<b>Chemical Flow</b>		
bu / min	mL / min		<b>Pressure</b>	<b>D10 Disc / #45 Core</b>	
		<b>bu / min</b>	<b>p.s.i.</b>	<b>mL / min</b>	
22	2332				
24	2544	19.2	10	2030	
26	2756	23.4	15	2477	
28	2968	26.8	20	2839	
30	3180	30.4	25	3227	
32	3392	33.3	30	3534	
34	3604	35.8	35	3799	
36	3816	38.0	40	4027	
38	4028				
<b>Barley @ 85 mL / bu</b> (390 mL / 100 kg)		<b>G40 calibration - AWAKEN ST on Barley</b>			
		<b>D10 Disc / #45 Core (G40 Standard Nozzle Kit)</b>			
		<b>Barley</b>	<b>Chemical Flow</b>		
bu / min	mL / min		<b>Pressure</b>	<b>D10 Disc / #45 Core</b>	
		<b>bu / min</b>	<b>p.s.i.</b>	<b>mL / min</b>	
24	2040				
26	2210				
28	2380	23.9	10	2030	
30	2550	29.1	15	2477	
32	2720	33.4	20	2839	
34	2890	38.0	25	3227	
36	3060	41.6	30	3534	
38	3230	44.7	35	3799	
40	3400	47.4	40	4027	
42	3570				
44	3740				
46	3910				
<b>Notes</b>					
<b>Check with your product supplier for chemical compatability or crop suitability.</b>					
<b>Close shutoff valves and keep air out of system between applications.</b>					
<b>We recommend draining the tank daily and flushing the entire system including the treater.</b>					
<b>This will prevent plugged strainers and pump valve failure.</b>					
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