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
Vibrance XL - 180 mL / 100 Kg	Wheat - 120 mL / bu	
Awaken ST (Low Rate) - 260 mL / 100 Kg	Barley - 96 mL / bu	
Total Slurry - 440 mL / 100 Kg		

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			G40 Pressure Calibration Table		
Vibrance XL + Awaken (Low Rate) on Wheat			Vibrance XL + 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
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 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.

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	
Awaken ST (High Rate) - 307 mL / 100 Kg	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

Raxil WW with Awaken (High Rate) on Wheat

D16 Disc / #45 Core / 16 Mesh Strainer

Seed	Slurry	
Rate	Pressure	Volume
bu / min	p.s.i.	mL / min
17.1	**10**	**3113**
20.8	**15**	**3783**
24.0	**20**	**4371**
26.9	**25**	**4892**
29.3	**30**	**5341**
31.6	**35**	**5746**
33.7	**40**	**6137**

Wheat - 182 mL/bu slurry volume

G40 Pressure Calibration Table

Raxil WW with Awaken (High Rate) on Barley

D16 Disc/ #45 Core / 16 Mesh Strainer

Seed	Slurry	
Rate	Pressure	Volume
bu / min	p.s.i.	mL / min
21.3	**10**	**3113**
25.9	**15**	**3783**
29.9	**20**	**4371**
33.5	**25**	**4892**
36.6	**30**	**5341**
39.4	**35**	**5746**
42.0	**40**	**6137**

Barley - 146 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.

Raxil WW 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
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		

Slurry Mix Chart

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	

G40 Pressure Calibration Table			G40 Pressure Calibration Table		
Raxil WW with Awaken (Low Rate) on Wheat			Raxil WW 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
18.3	**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

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.

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	
Awaken ST (High Rate) - 307 mL / 100 Kg	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.

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	
Awaken ST (Low Rate) - 260 mL / 100 Kg	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			G40 Pressure Calibration Table		
Raxil MD with Awaken (Low Rate) on Wheat			Raxil MD 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
20.4	**10**	**3096**	**25.4**	**10**	**3096**
24.9	**15**	**3782**	**31.0**	**15**	**3782**
28.4	**20**	**4323**	**35.4**	**20**	**4323**
31.8	**25**	**4829**	**39.6**	**25**	**4829**
35.0	**30**	**5320**	**43.6**	**30**	**5320**
37.9	**35**	**5754**	**47.2**	**35**	**5754**
40.7	**40**	**6187**	**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.

Rancona 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
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		

Slurry Mix Chart

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	

G40 Pressure Calibration Table			G40 Pressure Calibration Table		
Rancona with Awaken (High Rate) on Wheat			Rancona 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
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**		

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.

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	
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		
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

Rancona 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
18.7	10	2979
22.4	15	3560
25.5	20	4052
29.1	25	4629
31.6	30	5018
34.1	35	5429
37.0	40	5890

G40 Pressure Calibration Table

Rancona 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
23.5	10	2979
28.0	15	3560
31.9	20	4052
36.4	25	4629
39.5	30	5018
42.7	35	5429
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	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**	**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.

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	
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		
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			G40 Pressure Calibration Table		
Dividend with Awaken (Low Rate) on Wheat			Dividend 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**	**2976**	**23.4**	**10**	**2976**
22.9	**15**	**3635**	**28.6**	**15**	**3635**
26.3	**20**	**4179**	**32.9**	**20**	**4179**
29.5	**25**	**4697**	**37.0**	**25**	**4697**
32.7	**30**	**5198**	**40.9**	**30**	**5198**
35.2	**35**	**5597**	**44.1**	**35**	**5597**
37.6	**40**	**5983**	**47.1**	**40**	**5983**
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.

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	
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		
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	Slurry		Seed	Slurry	
Rate	Pressure	Volume	Rate	Pressure	Volume
bu / min	p.s.i.	mL / min	bu / min	p.s.i.	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 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.

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 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.

AWAKEN ST Calibration - Barley / Wheat - G40 Applicator

D10 Disc / #45 Core / 16 Mesh Strainer (G40 Standard Nozzle Kit)

Mar. 31/2012

Wheat - @ 106 mL / bu (390 mL / 100 kg)	
bu / min	mL / min
22	2332
24	2544
26	2756
28	2968
30	3180
32	3392
34	3604
36	3816
38	4028

G40 calibration - AWAKEN ST on Wheat		
D10 Disc / #45 Core (G40 Standard Nozzle Kit)		
Wheat	Chemical Flow	
	Pressure	D10 Disc / #45 Core
bu / min	p.s.i.	mL / min
19.2	10	2030
23.4	15	2477
26.8	20	2839
30.4	25	3227
33.3	30	3534
35.8	35	3799
38.0	40	4027

Barley @ 85 mL / bu (390 mL / 100 kg)	
bu / min	mL / min
24	2040
26	2210
28	2380
30	2550
32	2720
34	2890
36	3060
38	3230
40	3400
42	3570
44	3740
46	3910

G40 calibration - AWAKEN ST on Barley		
D10 Disc / #45 Core (G40 Standard Nozzle Kit)		
Barley	Chemical Flow	
	Pressure	D10 Disc / #45 Core
bu / min	p.s.i.	mL / min
23.9	10	2030
29.1	15	2477
33.4	20	2839
38.0	25	3227
41.6	30	3534
44.7	35	3799
47.4	40	4027

Notes

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

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

We recommend draining the tank daily and flushing the entire system including the treater.

This will prevent plugged strainers and pump valve failure.