

Annual Report 2011
Table Q.1
ABA Data: Springer NAG

Blast	Samples	Material	Tonnes	Blast Date	S (%)	AP	C (%)	NP	NPR
S1096-66	3	NAG	52,390	10-Jan-11	0.09	2.67	0.44	36.95	13.83
S1084-39	7	NAG	251,128	11-Jan-11	0.06	1.93	0.31	25.95	13.46
S1084-40	5	NAG	285,630	11-Jan-11	0.11	3.41	0.22	18.7	5.48
S1096-64	4	NAG	100,720	14-Jan-11	0.03	0.99	0.11	9.1	9.24
S1096-65	5	NAG	34,187	15-Jan-11	0.03	1.08	0.49	40.7	37.66
S1108-74	2	NAG	32,976	21-Jan-11	0.05	1.52	0.16	13.63	8.95
S1084-41	5	NAG	152,736	23-Jan-11	0.06	1.94	0.32	26.42	13.59
S1084-42	4	NAG	113,858	23-Jan-11	0.1	3.15	0.29	24.15	7.67
S1096-68	2	NAG	55,405	24-Jan-11	0.03	1.07	0.08	6.78	6.35
S1084-44	6	NAG	233,458	31-Jan-11	0.03	0.86	0.25	21.11	24.66
S1096-69	3	NAG	68,518	2-Feb-11	0.07	2.33	0.58	48.14	20.69
S1084-45	8	NAG	296,510	5-Feb-11	0.07	2.26	0.25	21.02	9.3
S1084-47	5	NAG	310,183	10-Feb-11	0.11	3.47	0.14	11.43	3.29
S1084-48	3	NAG	10,168	10-Feb-11	0.05	1.5	0.19	16.18	10.77
S1084-49	5	NAG	212,231	14-Feb-11	0.13	4.21	0.36	30.4	7.23
S1084-50	5	NAG	215,328	24-Feb-11	0.06	1.97	0.28	23.6	11.96
S1084-52	4	NAG	22,882	24-Feb-11	0.04	1.4	0.22	17.94	12.84
S1084-54	2	NAG	26,609	24-Feb-11	0.02	0.7	0.35	28.96	41.28
S1012-05	2	NAG	24,055	27-Feb-11	0.09	2.8	0.34	28.09	10.03
S1084-55	2	NAG	46,415	28-Feb-11	0.03	1	0.33	27.58	27.58
S1084-53	6	NAG	217,354	6-Mar-11	0.09	2.7	0.33	27.39	10.14
S1084-56	3	NAG	35,556	6-Mar-11	0.03	0.85	0.2	16.61	19.59
S1084-57	5	NAG	212,421	10-Mar-11	0.04	1.12	0.13	10.5	9.41
S1072-24	5	NAG	253,108	14-Mar-11	0.09	2.73	0.13	10.56	3.87
S1084-59	2	NAG	42,947	14-Mar-11	0.08	2.38	0.28	23.59	9.92
S1084-60	2	NAG	35,637	17-Mar-11	0.07	2.05	0.69	57.46	28.05
S1084-61	6	NAG	278,925	23-Mar-11	0.03	1.08	0.24	20.24	18.81
S1084-63	2	NAG	57,146	23-Mar-11	0.03	1.04	0.18	15.21	14.59
S1072-25	4	NAG	182,785	25-Mar-11	0.04	1.33	0.24	20.3	15.31
S1084-62	5	NAG	328,997	31-Mar-11	0.04	1.22	0.32	26.45	21.61
S1072-26	3	NAG	103,698	2-Apr-11	0.01	0.35	0.18	14.72	42.64
S1072-27	5	NAG	213,002	2-Apr-11	0.05	1.71	0.36	29.84	17.49
S1072-28	6	NAG	186,335	5-Apr-11	0.1	3.28	0.32	26.29	8.03
S1084-65	2	NAG	13,998	5-Apr-11	0.06	1.81	0.16	13.09	7.24
S1072-30	6	NAG	256,221	12-Apr-11	0.06	1.89	0.24	19.71	10.43
S1072-29	6	NAG	159,722	14-Apr-11	0.1	3.08	0.27	22.79	7.39
S1072-31	5	NAG	199,088	17-Apr-11	0.1	3.23	0.26	21.33	6.61
S1084-68	3	NAG	34,184	17-Apr-11	0.04	1.17	0.3	24.97	21.28
S1072-37	5	NAG	177,730	22-Apr-11	0.04	1.12	0.33	27.53	24.65
S1072-36	4	NAG	147,144	23-Apr-11	0.04	1.17	0.27	22.48	19.26
S1084-69	2	NAG	38,573	24-Apr-11	0.01	0.41	0.16	13.67	33.67
S1072-40	3	NAG	86,149	2-May-11	0.07	2.32	0.35	29.25	12.6
S1072-45	5	NAG	233,924	4-May-11	0.09	2.78	0.17	14.1	5.08
S1072-46	6	NAG	235,005	10-May-11	0.07	2.21	0.21	17.49	7.91
S1072-44	6	NAG	245,311	11-May-11	0.04	1.11	0.13	11.13	9.99
S1072-50	5	NAG	185,919	17-May-11	0.17	5.44	0.29	23.89	4.39
S1072-48	6	NAG	267,299	19-May-11	0.02	0.59	0.22	18.48	31.12
S1072-47	5	NAG	173,084	26-May-11	0.04	1.11	0.57	47.38	42.63
S1072-53	2	NAG	9,410	26-May-11	0.07	2.18	0.1	8.42	3.86
S1072-51	4	NAG	154,474	30-May-11	0.01	0.46	0.22	18.21	39.3
S1060-20	2	NAG	239,909	2-Jun-11	0.03	0.97	0.22	18.5	19.06
S1060-21	2	NAG	242,007	2-Jun-11	0.05	1.6	0.53	44.5	27.84
S1072-54	4	NAG	315,730	6-Jun-11	0.02	0.71	0.24	19.67	27.85
S1060-23	10	NAG	361,990	9-Jun-11	0.04	1.24	0.35	29.31	23.72
S1132-60	9	NAG	182,496	15-Jun-11	0.2	6.32	0.33	27.91	4.42
S1060-22	8	NAG	348,957	17-Jun-11	0.12	3.71	0.25	20.42	5.51

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Blast	Samples	Material	Tonnes	Blast Date	S (%)	AP	C (%)	NP	NPR
S1072-55	2	NAG	48,731	20-Jun-11	0.02	0.58	0.35	29.13	50.39
S1072-56	2	NAG	41,638	20-Jun-11	0.07	2.31	0.45	37.75	16.35
S1060-24	6	NAG	168,753	21-Jun-11	0.07	2.1	0.31	26.08	12.4
S1132-63	4	NAG	128,558	30-Jun-11	0.2	6.12	0.25	20.54	3.36
S1060-26	4	NAG	236,174	5-Jul-11	0.08	2.38	0.32	26.38	11.1
S1060-25	4	NAG	199,165	7-Jul-11	0.04	1.19	0.24	20.38	18.7
S1072-57	2	NAG	41,839	9-Jul-11	0.04	1.35	0.29	24.42	17.87
S1060-28	2	NAG	68,475	12-Jul-11	0.06	1.79	0.48	39.59	22.07
S1060-30	5	NAG	215,968	13-Jul-11	0.51	16	0.34	28.35	1.77
S1060-31	3	NAG	93,156	16-Jul-11	0.05	1.49	0.14	12.03	8.09
S1060-32	6	NAG	228,746	22-Jul-11	0.04	1.31	0.2	16.43	12.52
S1060-35	2	NAG	67,659	22-Jul-11	0.11	3.47	0.19	15.67	4.52
S1060-37	3	NAG	163,676	4-Aug-11	0.07	2.1	0.05	4.28	2.04
S1060-39	3	NAG	230,580	9-Aug-11	0.11	3.28	0.64	53.42	16.31
S1060-40	7	NAG	299,933	13-Aug-11	0.05	1.45	0.09	7.19	4.96
S1060-43	8	NAG	310,047	21-Aug-11	0.16	4.92	0.2	16.32	3.32
S1132-67	4	NAG	114,700	27-Aug-11	0.06	1.81	0.2	16.47	9.11
S1120-75	7	NAG	81,877	1-Sep-11	0.31	9.55	0.23	18.75	1.96
S1120-76	10	NAG	126,000	1-Sep-11	0.17	5.23	0.19	15.51	2.97
S1048-20	6	NAG	258,333	1-Sep-11	0.08	2.42	0.41	34.34	14.18
S1060-45	7	NAG	386,879	10-Sep-11	0.04	1.1	0.37	30.96	28.04
S1060-45	7	NAG	314,555	10-Sep-11	0.04	1.1	0.37	30.96	28.04
S1048-21	10	NAG	440,619	14-Sep-11	0.1	2.98	0.32	26.99	9.06
S1120-76	10	NAG	165,915	16-Sep-11	0.17	5.23	0.19	15.51	2.97
S1120-77	7	NAG	115,554	18-Sep-11	0.43	13.3	0.56	46.55	3.5
S1060-46	2	NAG	53,138	22-Sep-11	0.04	1.09	0.09	7.67	7.01
S1048-23	2	NAG	120,818	26-Sep-11	0.14	4.5	0.29	24.46	5.44
S1048-24	7	NAG	288,705	28-Sep-11	0.13	4	0.27	22.2	5.55
S1060-48	4	NAG	132,312	1-Oct-11	0.01	0.42	0.27	22.48	54.11
S1108-75	5	NAG	64,488	3-Oct-11	0.11	3.56	0.27	22.81	6.41
S1108-76	4	NAG	19,285	9-Oct-11	0.19	5.78	0.45	37.46	6.48
S1108-77	6	NAG	122,347	9-Oct-11	0.27	8.57	0.29	24.53	2.86
S1048-27	3	NAG	113,716	11-Oct-11	0.04	1.31	0.16	13.36	10.21
S1060-49	2	NAG	37,589	14-Oct-11	0.05	1.66	0.19	16.08	9.68
S1108-78	9	NAG	161,370	16-Oct-11	0.2	6.22	0.26	21.52	3.46
S1060-50	2	NAG	56,965	18-Oct-11	0.06	1.74	0.38	31.34	18.02
S1048-29	11	NAG	461,044	18-Oct-11	0.06	1.87	0.22	18.61	9.97
S1048-30	5	NAG	172,927	31-Oct-11	0.1	2.99	0.16	13.33	4.45
S1096-71	2	NAG	133,503	1-Nov-11	0.26	8	0.3	24.82	3.49
S1048-33	3	NAG	45,018	6-Nov-11	0.07	2.14	0.13	10.56	4.93
S1096-73	4	NAG	12,074	6-Nov-11	0.24	7.55	0.31	26.06	3.45
S1048-32	7	NAG	253,259	13-Nov-11	0.04	1.22	0.07	5.8	4.76
S1096-72	9	NAG	116,941	15-Nov-11	0.26	8	0.3	24.82	3.49
S1036-16	2	NAG	13,608	17-Nov-11	0.1	3.22	0.17	14.04	4.39
S1048-35	4	NAG	128,402	17-Nov-11	0.08	2.44	0.34	28.5	11.69
S1036-18	1	NAG	9,335	21-Nov-11	0.07	2.32	0.12	10.17	4.38
S1048-34	6	NAG	324,743	23-Nov-11	0.04	1.38	0.12	9.86	7.3
S1096-74	1	NAG	4,199	24-Nov-11	0.5	15.63	0.99	82.51	5.28
S1096-75	2	NAG	41,056	6-Dec-11	0.25	7.83	0.4	33.71	4.31
S1036-22	6	NAG	112,033	13-Dec-11	0.09	2.78	0.22	18.58	6.69
S1036-23	5	NAG	339,994	20-Dec-11	0.12	3.6	0.41	34.04	9.46
S1036-25	2	NAG	132,293	24-Dec-11	0.1	3.15	0.32	26.5	8.4
S1036-26	1	NAG	22,206	29-Dec-11	0.03	0.81	0.15	12.5	15.45
TOTAL	508		17,238,489		0.094	2.941	0.279	23.23	7.898

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Table Q.2
ABA Data: Springer Pit PAG

Blast	Samples	Material	Tonnes	Blast Date	S (%)	AP	C (%)	NP	NPR
S1144-64	3	PAG	30,852	8-Feb-11	0.14	4.39	0.04	3.02	0.69
S1132-59	7	PAG	145,310	7-Jun-11	0.99	30.93	0.11	9.28	0.3
S1132-62	5	PAG	139,093	15-Jun-11	1.15	35.86	0.21	17.32	0.48
S1132-63	3	PAG	37,167	30-Jun-11	0.58	18.01	0.13	10.56	0.59
S1120-71	3	PAG	125,667	8-Jul-11	2.89	90.23	0.22	18.19	0.2
S1132-64	1	PAG	10,624	8-Jul-11	2.05	64.06	0.29	24.5	0.38
S1132-61	5	PAG	21,360	12-Jul-11	0.52	16.16	0.15	12.88	1.32
S1120-72	7	PAG	162,604	24-Jul-11	2.09	65.34	0.29	24.04	0.37
S1120-73	4	PAG	89,857	6-Aug-11	1.38	43.2	0.25	20.9	0.48
S1120-74	8	PAG	164,235	16-Aug-11	0.75	23.49	0.34	28.24	1.2
S1120-77	1	PAG	16,768	18-Sep-11	0.52	16.25	0.38	31.92	1.96
S1108-75	10	PAG	168,335	3-Oct-11	0.37	11.61	0.16	13.11	1.13
S1108-77	3	PAG	55,237	9-Oct-11	1.08	33.83	0.47	39.23	1.16
S1108-80	2	PAG	6,159	18-Oct-11	0.98	30.66	0.62	51.55	1.68
S1108-79	9	PAG	178,674	25-Oct-11	0.94	29.28	0.36	30.12	1.03
S1120-79	1	PAG	31,927	29-Oct-11	1.72	53.75	0.25	21.17	0.39
S1108-81	3	PAG	119,353	29-Oct-11	1.59	49.79	0.22	17.97	0.36
S1108-85	1	PAG	4,322	29-Oct-11	1.3	40.63	0.45	37.75	0.93
S1096-71	11	PAG	30,263	1-Nov-11	0.36	11.33	0.18	14.87	1.39
S1108-84	9	PAG	124,762	9-Nov-11	1.41	44.09	0.35	29.21	0.66
S1096-72	15	PAG	172,055	15-Nov-11	0.36	11.33	0.18	14.87	1.39
S1096-74	3	PAG	3,246	24-Nov-11	0.88	27.49	0.66	54.98	2
S1108-87	10	PAG	245,589	27-Nov-11	1.01	31.53	0.27	22.48	0.71
S1096-75	11	PAG	160,905	6-Dec-11	0.8	24.97	0.43	35.49	1.42
S1096-76	4	PAG	417,379	23-Dec-11	0.62	21.8	0.28	39.71	1.82
TOTAL	139		2,661,743		1.036	32.725	0.266	24.69	0.754

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Table Q.3
ABA Data: Boundary NAG

Blast	Samples	Material	Tonnes	Blast Date	S (%)	AP	C (%)	NP	NPR
A1070-01	9	NAG	162,062	13-May-11	0.74	23.06	0.89	74.57	3.23
A1070-02	5	NAG	33,907	17-May-11	0.43	13.45	0.84	69.78	5.19
TOTAL	14		195,969		0.685	21.393	0.885	73.745	3.447