



# Application Rates of BfS Liquid Fertiliser Products (Nitrogen and Sulphur Range)

(Version 1.5, 31 March 2010)

All Figures are rounded to the nearest whole number

Do not apply in windy weather.

Application Rate Required kg N / ha	30-0-0-6 NS		30 N	28-0-0-4 NS		28 N	27-0-0-2 NS		26-0-0-10 NS		26-0-0-5 NS		24-0-0-10 NS		20 N
	Apply (Litres/ha)	Giving Kg S03	Apply (Litres/ha)	Apply (Litres/ha)	Giving Kg S03	Apply (Litres/ha)	Apply (Litres/ha)	Giving Kg S03	Apply (Litres/ha)	Giving Kg S03	Apply (Litres/ha)	Giving Kg S03	Apply (Litres/ha)	Giving Kg S03	Apply (Litres/ha)
10	26	2	26	28	1	29	30	1	30	4	31	2	34	4	45
20	51	4	51	56	3	57	59	1	60	8	61	4	68	8	90
30	77	6	77	84	4	86	89	2	90	12	92	6	101	13	134
40	102	8	103	112	6	114	118	3	120	15	123	8	135	17	179
50	128	10	128	140	7	143	148	4	150	19	153	10	169	21	224
60	153	12	154	168	9	171	177	4	180	23	184	12	203	25	269
70	179	14	179	196	10	200	207	5	210	27	215	13	237	29	313
80	204	16	205	224	11	229	236	6	240	31	246	15	270	33	358
90	230	18	231	252	13	257	266	7	270	35	276	17	304	38	403
100	255	20	256	280	14	286	296	7	300	38	307	19	338	42	448
110	281	22	282	308	16	314	325	8	330	42	338	21	372	46	492
120	306	24	308	336	17	343	355	9	360	46	368	23	406	50	537
130	332	26	333	364	19	371	384	10	390	50	399	25	439	54	582
140	357	28	359	393	20	400	414	10	419	54	430	27	473	58	627
150	383	30	385	421	21	429	443	11	449	58	460	29	507	63	671
160	408	32	410	449	23	457	473	12	479	62	491	31	541	67	716
170	434	34	436	477	24	486	502	13	509	65	522	33	574	71	761
180	459	36	461	505	26	514	532	13	539	69	552	35	608	75	806
190	485	38	487	533	27	543	562	14	569	73	583	37	642	79	850
200	510	40	513	561	29	571	591	15	599	77	614	38	676	83	895
210	536	42	538	589	30	600	621	16	629	81	645	40	710	88	940
220	561	44	564	617	31	629	650	16	659	85	675	42	743	92	985
Litres/ Tonne	765		769	785		800	798		779		798		811		895
Specific Gravity (at 20°C)	1.31		1.30	1.27		1.25	1.25		1.28		1.25		1.23		1.12
kg N / tonne	300		300	280		280	270		260		260		240		200
kg N / litre	0.39		0.39	0.36		0.35	0.34		0.33		0.33		0.30		0.22
litres / kg N	2.55		2.56	2.80		2.86	2.96		3.00		3.07		3.38		4.48

The specific gravity can vary slightly, depending on ambient temperature ~

These figures are a guide only and should be adjusted to suit local conditions ~

Apply liquid nitrogen with BFS dribble bars (with the exception of Foliar Profol on Milling Wheat) ~

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Profol 18N	22-0-0-12 NS		20-0-0-12.5 NS		18-0-0-15 NS		17-0-0-17 NS		14-0-0-19 NS		12.7-0-0-19 NS		8-0-0-22.5 NS		Application Rate Required kg N / ha
Apply (Litres/ha)	Apply (Litres/ha)	Giving Kg S03	Apply (Litres/ha)	Giving Kg S03	Apply (Litres/ha)	Giving Kg S03	Apply (Litres/ha)	Giving Kg S03	Apply (Litres/ha)	Giving Kg S03	Apply (Litres/ha)	Giving Kg S03	Apply (Litres/ha)	Giving Kg S03	
50	37	5	41	6	46	8	49	10	59	14	65	15	105	28	10
100	74	11	81	13	91	17	98	20	119	27	130	30	209	56	20
150	111	16	122	19	137	25	148	30	178	41	196	45	314	84	30
200	148	22	163	25	182	33	197	40	237	54	261	60	419	113	40
250	185	27	204	31	228	42	246	50	296	68	326	75	523	141	50
300	222	33	244	38	273	50	295	60	356	81	391	90	628	169	60
350	259	38	285	44	319	58	345	70	415	95	456	105	732	197	70
400	296	44	326	50	364	67	394	80	474	109	522	120	837	225	80
450	333	49	366	56	410	75	443	90	534	122	587	135	942	253	90
500	370	55	407	63	455	83	492	100	593	136	652	150	1046	281	100
550	407	60	448	69	501	92	542	110	652	149	717	165	1151	309	110
600	443	65	488	75	546	100	591	120	711	163	782	180	1256	338	120
650	480	71	529	81	592	108	640	130	771	176	848	194	1360	366	130
700	517	76	570	88	637	117	689	140	830	190	913	209	1465	394	140
750	554	82	611	94	683	125	739	150	889	204	978	224	1569	422	150
800	591	87	651	100	728	133	788	160	949	217	1043	239	1674	450	160
850	628	93	692	106	774	142	837	170	1008	231	1108	254	1779	478	170
900	665	98	733	113	819	150	886	180	1067	244	1174	269	1883	506	180
950	702	104	773	119	865	158	935	190	1126	258	1239	284	1988	534	190
1000	739	109	814	125	910	167	985	200	1186	271	1304	299	2093	563	200
1050	776	115	855	131	956	175	1034	210	1245	285	1369	314	2197	591	210
1100	813	120	895	138	1001	183	1083	220	1304	299	1434	329	2302	619	220
900	813		814		819		837		830		828		837		Litres/ Tonne
1.11	1.23		1.23		1.22		1.19		1		1.21		1.19		Specific Gravity (at 20°C)
180	220		200		180		170		140		127		80		kg N / tonne
0.20	0.27		0.25		0.22		0.20		0		0.15		0.10		kg N / litre
5.00	3.70		4.07		4.55		4.92		6		6.52		10.46		litres / kg N

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