




Liquid Fertilisers Ireland



AGRICULTURE

Pocket Guide

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- ◆ Accuracy right up to field margin
 - ◆ Works better in dry conditions
 - ◆ Daily gain in dry matter is greater

Quick Guide to Converting To Nitroflo Liquid N

To convert to Nitroflo liquid N is simple and not expensive

Application:

- You will need to buy a set of nozzles designed to apply liquid N. Remember, the target is the soil, not the crop.
- Check with your sprayer dealer that your sprayer is set up to apply liquid fertiliser. (Most sprayers built in the last 10-15 years are).
- Alternatively, there is now a good network of contractors who can apply liquid N; contact your local OMEX distributor.

Storage:

- If you just want to try the product, storage is not needed, all the distributors in Ireland will supply small quantities in IBCs.
- Once you have decided you want your own storage facility, you can rent a storage tank from OMEX. You will need to build a concrete base and bund. OMEX will help advise where and how best to do this.

Buying Nitroflo:

- You can buy IBCs of Nitroflo from your OMEX distributor at any time during the season.
- You can buy bulk loads either pre-season or in-season.



Delivery:

- IBCs are delivered within a couple of days by the distributor.
- Bulk loads arrive directly from OMEX. Delivery is usually 4-5 days in-season, but can be done more quickly if urgent.
- Bulk loads should be discharged into fertiliser tanks positioned inside a bund.
- In season, bulk loads can be discharged into temporary storage containers provided environmental safety conditions are met and there is someone available to help.
- Road tankers can be filled provided there is a tractor unit or bogey carrying the pin. Bowers can be filled provided they are firmly attached to the trailer or running gear; both must be positioned on level hard standing and the vessel suitable for bottom filling.
- Bulk loads can be discharged into IBCs if this is arranged at time of order.



Application Guidelines

DO	DON'T
Do apply when the crop is wet or in the rain	Don't apply when the crop is just damp and drying off – this may lead to a smear of nitrogen drying on the leaf, leading to too much leaf uptake
Do apply in the dry	
Do apply in wind so long as streams are not being deflected by wind	Don't apply in wind once feathers of small droplets are being blown from the main stream, or if the wind has caused leaf bruising
Do keep forward speed slow and pressure low	Don't go above 2 bar pressure unless you really have to
Do apply in the evening or early morning if possible	Don't apply in the heat of the day or when $>20^{\circ}\text{C}$ between max and min is expected
Do plan to complete your applications by GS32 (2nd node on stem detectable) on cereals	Don't apply to the flag leaf (or leaf 2 if possible)
In sequence: Do apply fertiliser first and slurry second. Leave a 2 day gap if possible	In sequence: Don't apply agrochemicals first – they are likely to de-wax the leaves and increase to risk of foliar uptake of N. Leave a 5 day gap if possible
Do keep grazing stock out for 5 days if there has been no rain	Don't dilute liquid nitrogen, it increases the risk of scorch



Application Rate Card



Nitroflo 20+S:

kg/ha N	METRIC		IMPERIAL		
	kg/ha S	l/ha	units/ ac N	units/ ac S	galls/ac
25	6	100	20	5	9
30	8	120	24	6	11
35	9	140	28	7	12
40	10	160	32	8	14
45	11	180	36	9	16
50	13	200	40	10	18
55	14	220	44	11	20
60	15	240	48	12	21
65	16	260	52	13	23
70	18	280	56	14	25
75	19	300	60	15	27
80	20	320	64	16	28
85	21	340	68	17	30
90	23	360	72	18	32
95	24	380	76	19	34
100	25	400	80	20	36
105	26	420	84	21	37
110	28	440	88	22	39
115	29	460	92	23	41
120	30	480	96	24	43
125	31	500	100	25	45
130	33	520	104	26	46
135	34	540	108	27	48
140	35	560	112	28	50
145	36	580	116	29	52
150	38	600	120	30	53
155	39	620	124	31	55
160	40	640	128	32	57
165	41	660	132	33	59
170	43	680	136	34	61
175	44	700	140	35	62
180	45	720	144	36	64
185	46	740	148	37	66

Specific Gravity: 1.25

Nitroflo 24+S:

kg/ha N	METRIC		IMPERIAL		
	kg/ha S	l/ha	units/ ac N	units/ ac S	galls/ac
25	3	82	20	3	7
30	4	98	24	3	9
35	4	115	28	4	10
40	5	131	32	4	12
45	6	148	36	5	13
50	6	164	40	5	15
55	7	180	44	6	16
60	8	197	48	6	18
65	8	213	52	7	19
70	9	230	56	7	20
75	9	246	60	8	22
80	10	262	64	8	23
85	11	279	68	9	25
90	11	295	72	9	26
95	12	312	76	10	28
100	13	328	80	10	29
105	13	344	84	11	31
110	14	361	88	11	32
115	14	377	92	12	34
120	15	394	96	12	35
125	16	410	100	13	37
130	16	427	104	13	38
135	17	443	108	14	39
140	18	459	112	14	41
145	18	476	116	15	42
150	19	492	120	15	44
155	19	509	124	16	45
160	20	525	128	16	47
165	21	541	132	17	48
170	21	558	136	17	50
175	22	574	140	18	51
180	23	591	144	18	53
185	23	607	148	19	54

Specific Gravity: 1.27

Nitroflo 26+S:

kg/ha N	METRIC		IMPERIAL		
	kg/ha S	l/ha	units/ ac N	units/ ac S	galls/ac
25	2	75	20	2	7
30	2	90	24	2	8
35	3	105	28	2	9
40	3	120	32	2	11
45	3	135	36	3	12
50	4	150	40	3	13
55	4	165	44	3	15
60	5	180	48	4	16
65	5	195	52	4	17
70	5	210	56	4	19
75	6	225	60	5	20
80	6	240	64	5	21
85	7	255	68	5	23
90	7	270	72	6	24
95	7	285	76	6	25
100	8	300	80	6	27
105	8	316	84	6	28

kg/ha N	METRIC		IMPERIAL		
	kg/ha S	l/ha	units/ ac N	units/ ac S	galls/ac
110	8	331	88	7	29
115	9	346	92	7	31
120	9	361	96	7	32
125	10	376	100	8	33
130	10	391	104	8	35
135	10	406	108	8	36
140	11	421	112	9	37
145	11	436	116	9	39
150	12	451	120	9	40
155	12	466	124	10	41
160	12	481	128	10	43
165	13	496	132	10	44
170	13	511	136	10	45
175	13	526	140	11	47
180	14	541	144	11	48
185	14	556	148	11	49

Specific Gravity: 1.28