Introducing Limus[®] Clear





If you want to stop profits escaping, start by choosing Limus® Clear

Available exclusively from Frontier Agriculture, Limus[®] Clear is a new, registered urease inhibitor for use with liquid fertiliser (UAN) that minimises nitrogen losses and supports optimal nitrogen availability for your crop.

Liquid Fertiliser (UAN	N) Nitrogen losses	trogen losses Factors that increase risk of ammonia (nitrogen) losses					
Nitrogen can be lost as ammonia following the application of liquid fertiliser (UAN). UK research suggests average nitrogen losses from UAN range from 11-14%. The amount of nitrogen loss was dependent on environmental conditions, including soil water content, soil temperature and rainfall. Limus® can reduce these losses by up to 98%, improving nitrogen use efficiency (NUE) on farm, whilst reducing ammonia emissions.			Warm temperaturesDry soilsLess than 10mm of rainfall within 48 hoursAlkaline (high pH) soilsLimus® Clear should be used when the risk of nitrogen losses are high.				
Benefits of Limus [®] C	lear		ADAS Agro robust appi				
 Improves nitrogen use efficie (NUE) reducing ammonia emi by up to 98% Increases yield compared to untreated liquid fertiliser (UA Contains two actives (NBPT) 	N)		Across six, ADAS delivered an aver MOIC of £30/ha. Site	-			
for optimal efficacy	ertiliser *Source: BASF, range of crops,		Essex, 2019	0.29	Y	+ £39	
• Fully compatible with liquid fertiliser Source: BASF, range of cr (Straight N and NS grades)		ŝ	Rutland, 2019	0.17	Y	+ £20	
			Bedford, 2019	0.57	N	+ £82	
			Essex, 2020	0.30	Y	+ £41	
			Shrops., 2020**	0.00	N	- £7	
			Norfolk, 2020	0.08	N	+ £4	
NBPT	NBPT		Cross-site analysis	0.23	Y	+ £30	
Urease enzyme A	Urease enzyme A	W	*Source: ADAS/BASF, Lir (as needed), n = 6, wheat **Site yielded lower than hat makes L	, MOIC (Margin Over In	nput Cost) based on wh	eat at £160/T	
Urease enzyme B	NPPT Urease enzyme B	Ure into bin ami lead	a is not readily pl ammonium. This d to the urea. With monium concentr ding to a localised monium to ammo	ant available an is done by urea nout sufficient r ation around th increase in so	d first needs to ase enzymes in f ainfall post appl e site of applica	the soil that ication, the tion increases,	

For more information, visit agricentre.basf.co.uk/limus

Limus contains NBPT + NPPT. Limus is a registered Trade Mark of BASF.

Urease inhibitors temporarily bind to these enzymes, preventing the localised pH spike and reducing the losses of ammonia. However, different urease enzymes require different urease inhibitors. Limus[®] is the only urease inhibitor available with two active ingredients (NBPT and NPPT), enabling it to bind to a wider variety of urease enzymes and more effectively minimise losses.

How to use Limus[®] Clear

- 1. Fill spray tank with half the desired amount of fertiliser
- Add the correct rate of Limus[®] Clear and mix thoroughly
- 3. Continue mixing while adding remaining fertiliser
- 4. Use tank mix within 5 days

Application Rate Guide, Spring 2020

Always read the appropriate Safety Data Sheets and wear appropriate PPE to ensure good operator safety when handling UAN / Limus[®] Clear.

Omex Products

Product Name	Analysis % (w/w)		Analysis % (w/v)		Limus [®] Rate (It/m³)
Nitroflo 30	30%N		39%N		1.00
Nitroflo 28 + S	28%N	2.5%SO ₃	36%N	3.2%SO ₃	0.90
Nitroflo 26 + S	26%N	5%SO ₃	33.5%N	6.4%SO ₃	0.80
Nitroflo 24 + S	24%N	7.5%SO ₃	30%N	9.5%SO ₃	0.70
Nitroflo 22 + S	22%N	10%SO ₃	28%N	13%SO ₃	0.60
Nitroflo 20 + S	20%N	12.5%SO ₃	25%N	15.5%SO ₃	0.50
Nitroflo 15 + S	15%N	15%SO ₃	1 8%N	18%SO ₃	0.35
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NitraSol Products

Product Name	Analysis % (w/w)		Analysis % (w/v)		Limus® Rate (It/m³)
NitraSol N30	30%N		39%N		1.00
NitraSol N28	28%N		36%N		0.90
NitraSol N30 + 10SO ₃	30%N	10%SO ₃	39%N	13%SO₃	1.00
NitraSol N27 + 5SO ₃	27%N	5%SO ₃	35%N	6.5%SO₃	0.85
NitraSol N25 + 7SO ₃	25%N	7%SO₃	32%N	9%SO₃	0.75
NitraSol N24 + 8SO ₃	24%N	8%SO ₃	30%N	10%SO ₃	0.70
NitraSol N22 + 12SO ₃	22%N	12% SO₃	28%N	15%SO₃	0.60
NitraSol N15 + 15SO ₃	15%N	15%SO ₃	18%N	18%SO₃	0.35
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BFS Products

Product Name	Analysis % (w/w)		Analysis % (w/v)		Limus [®] Rate (It/m ³)
UAN N30	30%N		38.7%N		1.00
UAN N28	28%N		35%N		0.95
BFS 26 + 5SO ₃	26%N	5%SO₃	32.3%N	6.2%SO3	0.80
BFS 22 + 12SO3	22%N	12%SO ₃	27%N	14.8%SO ₃	0.60
BFS 18 + 15SO3	18%N	15%SO₃	22%N	18.3%SO₃	0.45
BFS 17 + 17SO3	17%N	17%SO ₃	20.3%N	20.3%SO3	0.40
NitroSulph 30 + 6SO ₃	30%N	6% SO ₃	39.2%N	7.8%SO ₃	1.00
NitroSulph 30 + 8SO ₃	30%N	8%SO3	39.3%N	10.5%SO ₃	1.00
NitroSulph 30 + 10SO ₃	30%N	10%SO ₃	39.5%N	13.2%SO ₃	0.95
NitroSulph 28 + 4SO ₃	28%N	4%SO3	35.7%N	5.1%SO₃	0.90
NitroSulph 28 + 10SO ₃	28%N	10%SO ₃	36.3%N	13%SO ₃	0.90
NitroSulph 26 + 10SO ₃	26%N	10%SO ₃	33.1%N	12.7%SO3	0.80
NitroSulph 26 + 12SO ₃	26%N	12%SO ₃	33.5%N	15.5%SO₃	0.80
NitroSulph 26 + 13SO ₃	26%N	13%SO ₃	33.6%N	16.8%SO ₃	0.80
NitroSulph 26 + 18SO ₃	26%N	18%SO ₃	34.3%N	23.7%SO3	0.80
NitroSulph 24 + 10SO ₃	24%N	10%SO ₃	29.6%N	12.3%SO ₃	0.75
NitroSulph 24 + 24SO ₃	24%N	24%SO ₃	31.7%N	31.7%SO₃	0.70

Other Liquid Fertiliser Products

Product Name	Analysis % (w/w)	Analysis % (w/v)		Limus [®] Rate (It/m³)
37N		37%N		0.95
35N + 7SO₃		35%N	7%SO3	0.85
32N + 9.4SO ₃		32%N	9.4%SO ₃	0.75
30.3N + 10.8SO ₃		30.3%N	10.8%SO ₃	0.70
29N + 11.9SO ₃		29%N	11.9%SO₃	0.65
25N + 14.3SO ₃		25%N	14.3%SO ₃	0.50
19N + 19SO₃		19%N	19%SO₃	0.30

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