

L-CBF TL30

L-CBF (Liquid Carbon Based Fertilisers) TL30 is a complex carbon-based foliar fertiliser designed to enhance nutrient use efficiency (NUE), improve adsorption, reduce scorch in higher application rates (particularly for sensitive crops such as maize) and positively impact protein synthesis. L-CBF TL30 uses a safe approach to drive yields, improve fertiliser performance and sustain plants.

FOLIAR APPLICATIONS OF NITROGEN ARE UP TO 3 - 4 TIMES MORE EFFICIENTLY UTILISED THAN GRANULAR APPLICATIONS AND COMBINED WITH THE ADDITION OF L-CBF BOOST™, FURTHER INCREASES THE PERFORMANCE OF YOUR CROP, REDUCE SCORCH & IMPROVE PROTEIN PRODUCTION. FOLIAR APPLICATION OF NITROGEN CAN OVERCOME MUCH OF THE UNAVOIDABLE INEFFICIENCY SEEN WITH GRANULAR FERTILISER (E.G., COOL/DRY CONDITIONS), BY DELIVERING NITROGEN DIRECTLY TO THE LEAF WHERE IT IS MORE READILY ADSORBED. L-CBF TL30 DOES THIS BOTH SAFELY AND EFFICIENTLY - AND ISN'T RELIANT ON SOIL/WEATHER CONDITIONS.

SUPERIOR CONSISTENCY

L-CBF TL30 is manufactured by combining Landowner Liquid Fertilisers TopLeaf product and L-CBF BOOST™, providing a consistent product directly from our manufacturing plant to your farm. Available in IBC or bulk.

COMPLEX CARBON

L-CBF TL30 delivers efficient foliar nitrogen but with the addition of L-CBF BOOST™ to reduce scorch even at higher application rates and even on more scorch prone crops. Improvements in adsorption and protein synthesis are also seen. By feeding the microbes in the soil, further improvements in NUE can be found.

THE BENEFITS OF L-CBF TL30



**NITROGEN
USE EFFICIENCY**



**FERTILISER
COSTS**



**IMPROVED SOIL
FERTILITY**

VERSATILITY AND COMPATIBILITY

L-CBF TL30 is a cost-effective tank partner utilised in multiple fertiliser & pesticide applications.

FERMENTATION YEAST EXTRACT

L-CBF TL30 contains proprietary metabolites that assist biological functions aiding microbial activity & improved NUE.

LOW PH

L-CBF TL30 compliments better performance of slightly acidic foliar solutions for increased cuticle penetration & maximum leaf absorption.



**AVAILABLE
IN IBC AND
BULK**

Proven over ten years by independent trials, applying this innovative product can have a positive effect on quality and yield.

CONTACT US

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L-CBF TL30

THE INCREASE IN NUE SEEN WITH L-CBF TL30 IS ATTRIBUTED TO:

- The carbon in L-CBF TL30 chelates the N and helps the adsorption into the plant. This process is more efficient than absorption through the roots thus the improvement in NUE.
- The carbohydrates in L-CBF TL30 provide a good source of carbon which means the plant doesn't draw down its own stocks of carbon as much when converting urea to amino acids (the building blocks of proteins). Also the plant will remain sweeter and more resistant to disease and pests.
- Where the foliar feed runs off into soil, humates and sugar are known to aid soil microbe numbers and vigour and make mineral and trace elements more readily available to the plant, resulting in improved performance and health
- Uptake of N through the leaves may be higher than root uptake when soil moisture and soil temperature are lower
- The high inclusion of L-CBF BOOST™ reduces scorch risk in more sensitive crops and thus can improve NUE due to increased adsorption

APPLICATION ADVICE

Apply before 10:00 or after 17:00 (evening preferable), avoiding full sun. For best results apply when ambient area is 22°C. Performance is reduced when temperatures are above 27°C.

If applying to maize apply 40-50l/ha as late as physically possible. Cereals, OSR, grassland and potatoes TL 30 can be applied to increase yield, but TL17 may be a better option. For other crops speak to your agronomist or contact QLF Agronomy.

ANALYSIS (W/W)

Total Nitrogen (N)	14%
Urea Nitrogen	14%
Soluble Potash (K2O)	1%
Sulphur (SO3)	0.3%

INGREDIENTS

Derived from sugar cane molasses, yeast, urea and a preservative

TECHNICAL

Net Weight: Bulk as invoiced	
Specific Gravity	1.15
pH	6.0

APPLICATION RATES OF L-CBF TL17 (W/V)

Appl. Rate l/ha	Actual		Equivalence at x3		Equivalence at x4	
	Units/ac	kg N/ha	Units/ac	kg N/ha	Units/ac	kg N/ha
30	4	5	12	15	17	20
40	6	7	17	20	22	26
50	7	8	21	24	28	33
60	8	10	25	29	33	39
70	10	11	29	34	39	46
80	11	13	33	39	44	52
90	12	15	37	44	50	59
100	14	16	41	49	55	65

TL 30 Foliar Nitrogen	TL 30 Foliar Nitrogen
2020 MGA Trials High OM Soils	2021 Harper Trials High OM Soils
£147/ha ROI	£399/ha ROI

