



High Concentration Nitrogen Liquid Designed for Safe Foliar Application and Injection



POWERN26 RECOMMENDED APPLICATION RATES

Water Rate (L/ha)*	50	100
PowerN26 (L/ha)	5-15	16-30
N (kg)	1.3-3.9	4.2-7.8
Urea equiv. (kg)	2.8-8.5	9.1-16.9

* Water rate should be adjusted to suit spraying conditions; higher water rates are best suited for dry winter or spring conditions and summer foliar applications; lower water rates should be used for optimum foliar uptake when leaf surfaces are "dewy" (e.g. damp winter and spring conditions).

PowerN26 can be applied at 10L/Ha for soil application or fertigation. This rate is quite safe in most cases and can be repeated as additional requirement for nitrogen arises.

HIGH IN NITROGEN

PowerN26 is a concentrated nitrogen fertiliser with a balanced ratio of nitrogen and sulphur. The nitrogen in **PowerN26** is in the form of urea, with 10% of its total N also as ammonium ion (NH_4^+).

Ammonium in **PowerN26** or ammonium produced from urea by urease action in the leaf is already in available form for rapid incorporation into the plant. Compared to nitrate (NO_3^-) sources, such as UAN or ammonium nitrate, ammonium does not require energy to be further reduced before it can be incorporated into amino acids and proteins.

Sulphur in **PowerN26** increases the speed of uptake of nitrogen by stimulating assimilation of N into amino acids and proteins.

PowerN26 contains an inhibitor to minimise corrosion of mild steel in contact with the concentrated product.

PowerN26 does not contain humates or fulvates as the uptake of foliar nutrients is restricted when applied in mixtures containing these complexes.

Benefits

✓ Safe use; reduced leaf burn compared to UAN

✓ Balanced level of sulphur for maximum utilisation of nitrogen

✓ Low energy demand for nitrogen assimilation provides extra energy for other metabolic processes of growth, especially in cold and wintry conditions.

✓ Promotes rapid root growth following application

Leaf Safe

PowerN26 is 'leaf-safe' compared to UAN because, per unit of nitrogen, urea carries half the osmotic pressure (e.g. water stress) of ammonium nitrate, thereby minimising the incidence of leaf burn.

Improve Performance

The ammonium ion concentration in a 5x dilution of **PowerN26** is sufficient to sequester hard water ions (Ca & Mg) for improved performance when tank mixing with pesticides formulated as amines.

ANALYSIS			
Nutrient		G/L	w/v%
Urea	N	235	23.5
Ammonium	N	25	2.5
Total Nitrogen		260	26.0
Maximum Biuret		5	0.5
Sulphur	S	23	2.3
SG	Density (g/mL)	1.18	
	pH	6.0	