



Ericaceous Plant Feed

**Special acidifying fertilizer for
lime hating plants**

Uses

To provide a complete soluble NPK feed for container or soil grown Ericaceous, calcifuge (lime hating) plants. Particularly useful where the pH of the irrigation water is high and/or contains high levels (>150 ppm) of bicarbonate ions where the product has a beneficial neutralising action.

For use on all Ericaceous plants such as Rhododendron, Camellia, Azalea, Pieris, Calluna and Acers for example. Particularly recommended for [blueberries](#).

Benefits

Solufeed **Ericaceous Plant Feed** contains a balance range of macro and micro nutrients together with magnesium to suit most subjects and situations. The feed contains nitrogen of the correct types for the Ericaceous plants. Micronutrients are chelated to ensure that they are fully available. The product dissolves rapidly in water to make an acidic solution which reduces irrigation water pH.

Background information

Ericaceous plants are characteristically calcifuge (lime-hating) and therefore naturally found growing in acidic soils such as marshes and heathland. Calcifuges cannot cope with alkaline soils, mostly due to the effect of pH on iron availability. Under alkaline (pH > 6.5) conditions iron becomes increasingly unavailable causing the classic symptoms of leaf chlorosis or yellowing which in turn leads to lost productivity.

Calcifuges have different nitrogen preferences to other crops. They are not able to utilise the nitrate (NO₃) form effectively but rather prefer the ammoniacal form (NH₄). This is because they lack adequate nitrate reductase activity to metabolise the NO₃. Whilst both the NH₄ and NO₃ forms are taken up, the latter remains unused; this usually does no harm but there have been reports of leaf burn in some species where high levels of NO₃

containing fertilizers have been used. A practical consequence of course is that the NO₃ in fertilizers is effectively wasted and it still contributes to EC but to no purpose.

The best nitrogen sources for calcifuges are ammonium sulphate (readily providing NH₄) and urea (which is naturally broken down to NH₄).

Chemical/physical data

Analysis % w/w:

EC FERTILIZER 12:10:11+4MgO+TE.

Element	%
Total Nitrogen (N)	12.0
Of which	
NO ₃ -N	0
NH ₄ -N	10.7
Ureic-N	1.3
P ₂ O ₅ (P)	10.0 (4.4)
K ₂ O (K)	10.8 (9.0)
MgO (Mg)	4.4 (2.7)
B soluble in water	0.015
Cu chelated by EDTA	0.017
Fe chelated by EDTA	0.060
Mn chelated by EDTA	0.034
Mo soluble in water	0.001
Zn chelated by EDTA	0.017

Appearance: Off white blend of crystalline powders

EC: 1.5 mS at 1g/litre

Directions for use

Application rates: Normally 1g/litre depending on desired EC

Directions: Make up a 10% stock tank solution and further dilute 1:100

General information

Packaging: 1 kg carton, 10 per outer
20 kg (50 x 20 kg per pallet)

**Harmonised
Tariff No:** 3105-20-10

Technical service: For further information, assistance and access to The Solufeed Advisory Service, please contact Solufeed at the address below.

Precautions

Detailed health and safety information may be found on the relevant Material Safety Data Sheet (MSDS) available on request from the address below.

Important

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