



ILEX PRO

A RANGE OF LIQUID FOLIAR NUTRIENTS TO ENHANCE GROWTH AND YIELD POTENTIAL IN ARABLE CROPS

Why use Ilex Pro on my crops?

The Ilex Pro range consists of three products **Pro-Cal, Pro-K and Pro-Sul**.

They are based on stabilized nitrogen together with plant available Calcium, Potassium or Sulphur supplying the necessary nutrition relevant to your crop and soil type.

Timed applications at key growth stages will enhance root development initially and then maintain healthy growth of shoots and leaves. The Ilex Pro range are all based on stabilized amide nitrogen to provide a regulated supply of this essential element to the crop over an extended period.

Ilex Pro range are all formulated with Ilex OptiWet, our unique wetting agent designed to further enhance foliar uptake.

Pro-Cal is formulated together with plant available calcium thus supplying this essential nutrient at key growth stages.

Calcium is vital for plant health. It is used in the formation and structure of roots as well as in the stability of cell walls, membranes and nuclei. It also maintains balance in the plant by regulating uptake of other nutrients.

In potatoes calcium is especially important in tuber formation and quality. In cereals limited availability of calcium will result in poorer root structure, weaker stalks and ears may be stunted and only partially filled.

Pro-K is formulated together with plant available potassium thus supplying this essential nutrient at key growth stages.

Potassium is highly mobile in the plant system and is either present in or responsible for activating more than 60 key enzyme reactions. This is chiefly by keeping the active enzyme centre free of unwanted material by regulating water content in the plant plasma and controlling movement of nutrients.

Pro-Sul is formulated together with plant available sulphur thus supplying this essential nutrient at key growth stages.

Sulphur is linked with Nitrogen as a vital constituent in cellular and protein synthesis. Deficiency symptoms are pale green or yellow leaves although unlike Nitrogen the youngest leaves are affected first. This is because although some Sulphur can be re-mobilised from the older leaves as the sulphate ion this is generally not sufficient to maintain new growth and the young leaves are consequently smaller and chlorotic.

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A range of liquid foliar nutrients to enhance growth and yield potential in arable crops.

Pro-Cal ANALYSIS:

Nitrogen (N)	150 g/l (12.5% w/w)
Calcium (CaO)	70 g/l (5.8% w/w)
Boron (B)	0.16% w/w
Iron (Fe)	0.10% w/w
Molybdenum (Mo)	0.12% w/w

Application:

Cereals: 5-10 l/ha at Growth Stages (Zadoks) 23-30, 39-45 and 50-59. To enhance grain protein potential in milling wheat a further application of 5-10 l/ha at GS 69-75 should be made.

Potatoes: 5 l/ha at Tuber Initiation (plants meeting within the row); 8 -10 l/ha at Tuber Bulking (plants meeting across the rows).

Oilseed Rape/ Peas/Beans: 5-10 l/ha at or just prior to rapid growth; 3-5 l/ha at pre-flowering.

Pro-K ANALYSIS:

Nitrogen (N)	150 g/l (12.8% w/w)
Potassium (K ₂ O)	55 g/l (4.6% w/w)
Boron (B)	0.16% w/w
Iron (Fe)	0.10% w/w
Molybdenum (Mo)	0.12% w/w

Application:

Cereals: 5-10 l/ha at Growth Stages (Zadoks) 23-30, 39-45 and 50-59. To enhance grain protein potential in milling wheat a further application of 5-10 l/ha at GS 69-75 should be made.

Potatoes: 5 l/ha at Tuber Initiation (plants meeting within the row); 8 -10 l/ha at Tuber Bulking (plants meeting across the rows).

Oilseed Rape/ Peas/Beans: 5-10 l/ha at or just prior to rapid growth;3-5 l/ha at pre-flowering.

Ilex Pro-Sul ANALYSIS:

Nitrogen (N)	140 g/l (11.0% w/w)
Sulphur Trioxide (SO ₃)	850 g/l (64.0% w/w)

Application:

Cereals: 5-10 l/ha at Growth Stages (Zadoks) 23-30, 39-45 and 50-59. To enhance grain protein potential in milling wheat a further application of 5-10 l/ha at GS 69-75 should be made.

Potatoes: 3-5 l/ha at Tuber Initiation (plants meeting within the row); 5-10 l/ha at Tuber Bulking (plants meeting across the rows).

Oilseed Rape/ Peas/Beans: 5-10 l/ha at or just prior to rapid growth;3-5 l/ha at pre-flowering.

User Advice:

Mixing

Ilex Pro products are formulated as a true solution and are totally water-soluble. They can be added to the spray tank at any stage in the tank mixing operation. They are best applied at water rates of between 200-600 l/ha depending on the crop, stage of growth and amount of leaf area.

Compatibility

Ilex Pro products have been tested with a wide range of potential tank-mix partners and found to be physically compatible with all but a few commonly used products. (Consult with your agronomist for specific recommendations). For maximum crop uptake (particularly in spells of hot weather) Ilex Pro products are best applied during the late afternoon/evening or early morning.

All available in 20L drums & 1000L IBC

For further details on this or any other Ilex crop nutrition product, please contact your local advisor or Ilex EnviroSciences

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