

NUTRIENT DEFICIENCIES

Here is a chart describing the symptoms of the various deficiencies your plants can suffer.

Symbol	Element	Symptoms of deficiency
N	Nitrogen	Plants go from light green to yellow and/or stunted plant growth. The larger leaves may go purple along the veins. It begins at the tip of leaves at the bottom of plant especially older ones and works its way in the direction of the main stem.
P	Phosphorus	Stunted plant growth. Leaves may develop purple to grey dead patched but plant may be very dark green.
K	Potassium	Yellow to brown margins on older leaves. Slower plant growth than normal.
Mg	Magnesium	Deficiency first shows up in the lower leaves discolouring the veins. They first turn yellow, then orange and finally brown. Leaves feel thin, brittle and sometimes cup upward.
Fe	Iron	Veins on the leaves stay green but younger leaves turn yellow. If left the whole leaf will lose colour and bleach.
Zn	Zinc	You will get small young leaves and they can grow in a small area of space on the plant. Older leaves can develop brown patches which will be in between the veins.
Ca	Calcium	This deficiency often affects mature leaves first. Brown/yellow spots will appear on the edge of the leaves. These spots can also be surrounded by a sharp brown outline.
Cu	Copper	Your young leaves will have a wilted appearance and start to droop. Leaf between the veins on the mature leaves may become bleached. The young leaves may have yellow/brown patches.
S	Sulphur	All your leaves will turn yellow, veins on the underside of the leaves will redden. Small amount of growth.
Mn	Manganese	Brown patches form along the veins and yellowing of the immature leaves.

B	Boron	Leaves become brittle and the leaf margins twist. Bushy growth develop in the small place and the young leaves have a light browning/yellowing.
Mo	Molybdenum	Leaves have mottling with upward cupping. Stunting and failure of leaves to develop a healthy dark green colour. The leaves of affected plants show a pale green or yellowish green colour between the veins and along the edges. In advanced stages, the leaf tissue at the margins of the leaves dies. The older leaves are the more severely affected.

For more information on Plant Health, Plant nutrient deficiencies and Pest Problems please visit on information page [found here](#).

If you have any plant health questions or for any other advice please feel free to call one of our stores today or visit www.3ch.co.uk