

## Looking for Images of Crop Deficiency Symptoms?

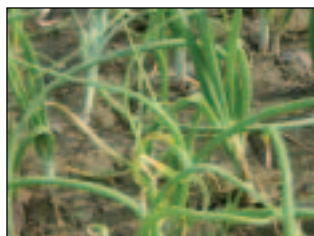
The world's agriculture provides ample crop diversity and just as much opportunity to discover potential symptoms of nutrient deficiency. While some symptoms appear in a similar manner across a wide variety of crop types, the growth characteristics of certain crops will result in some variation. More often than not, the differences between symptoms can be quite subtle. To be sure, it is useful to have some real-world examples.

**T**he images featured here show potassium (K) deficiency conditions in various crops. The photos are from the PPI/PPIC India Programme.

Additional images and descriptive information can be found at this website: >[www.ppi-ppic.org/web/gindia.nsf](http://www.ppi-ppic.org/web/gindia.nsf)<.



Potato: Interveinal chlorosis of the older leaves; afterward, leaf tips and margins become necrotic.



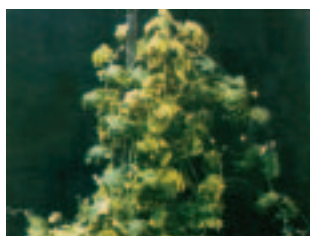
Onion: Chlorosis and necrosis of tips and withering of older leaves in acute K deficiency.



Arum: Chlorosis and necrosis of tips and withering of older leaves in acute K deficiency.



Lettuce: Chlorosis and necrosis of margins and tips and withering of older leaves in acute K deficiency.



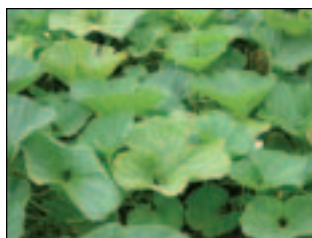
Bitter melon: Interveinal necrosis of old leaves, puckering, distortion and outward rolling of middle leaves.



Bottle gourd: Lower (old) leaves show puckering and yellowing interveinal areas, with marginal scorching.



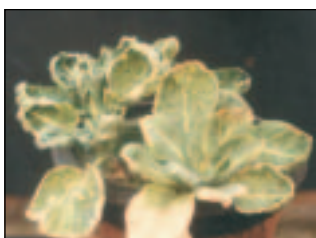
Tomato: Yellowing and premature shedding of old leaves; downward cupping of old leaves.



Cucurbits: Interveinal chlorosis of the older leaves; afterward, leaf tips and margins become necrotic.



Spinach: Chlorosis followed by necrosis of the tips of older leaves.



Cabbage: Acute K deficiency, showing puckering and marginal scorching of old leaves. Withering of lowest whorl of leaves is visible in one plant.



Pea: Acute K deficiency; chlorosis and scorching of the tips of older leaves.



Brinjal: Old leaves show brown necrotic lesions in the interveinal areas, almost covering the entire lamina. Loss of chlorophyll from middle leaves.

Are you looking for images showing crop nutrient deficiency symptoms in various parts of the world? Several other PPI/PPIC international region programs also offer image galleries.

For example, perhaps you want to see magnesium (Mg) deficiency in cacao or bananas. Go to: [www.ppi-ppic.org/ppiweb/gltamn.nsf](http://www.ppi-ppic.org/ppiweb/gltamn.nsf).

Or maybe you need to know how copper (Cu) deficiency in soybeans or citrus might appear. Visit: [www.ppi-ppic.org/ppiweb/gbrazil.nsf](http://www.ppi-ppic.org/ppiweb/gbrazil.nsf).

Or do you want a look at nutrient response in the Argentine pampas? Try: [www.ppi-ppic.org/ppiweb/gltams.nsf](http://www.ppi-ppic.org/ppiweb/gltams.nsf).

Another option is to begin at the central website of PPI/PPIC: [www.ppi-ppic.org](http://www.ppi-ppic.org). From there you can browse any of the more than 20 regional websites of our North America and international programs. [BC](#)