



<http://www.bayercropscienceus.com>
das Leben für A Better World



Another systemic fungicide, Prophyt® from Helena Chemical Company (Collierville, TN) contains 54.5% active ingredient, potassium phosphate (phosphorous acid equivalent 34.3%). Please see <http://www.greenbook.net/docs/Label/L72070.PDF>

An example of a P-fertilizer is Nutri-Phite® marketed by Biagro Western Sales, Inc. (Visalia, CA). Their website has an illustration on how they made their P-fertilizer with a difference. Please see http://www.biagro.com/nutri_phite/np_html/np_content_intro.html

In summary, phosphorus in fertilizers is normally in the form of phosphoric acid (H_3PO_4), which releases hydrogen phosphate and dihydrogen phosphate, both of which are absorbed by the plant. Phosphorous acid (H_3PO_3) releases the phosphonate ion, which is also readily absorbed by plants and provides disease resistance. The systemic fungicide Aliette breaks down to a phosphonite ion and eventually protects the plant from fungus *Phytophthora*. There are P-containing fertilizers and fungicides, both are required.

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