

# **Phosphorus metabolism during ripening of *Glycine max.* (L.) Merrill**

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## **Abstract**

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**Phosphorus metabolism during ripening of *Glycine max.* (L.) Merrill** S.

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## **Abstract**

The seeds, seed covers and leaves, taken after 17, 27, 37, and 47 days after tagging of flowers of soybean, were analysed quantitatively for their contents of different phosphorus fractions. Total phosphorus content increased in seed cover and leaves, there was a gradual decrease during ripening. All the phosphorus fractions i.e. acid soluble-P, lipid-P, nucleic acid-P, and protein-P were found to increase with maturity in seeds whereas in case of seed covers the content of acid soluble-P, nucleic acid-P and protein-P decreased but a marked increase was observed in lipid-P. In leaves during ripening, all the phosphorus fractions decreased except protein-P which was found to be almost constant. In lipid-P an increase was observed during later stages of maturity.

**Keywords:** Total Phosphorus Phosphorus Fraction Total Phosphorus Content Phytin Phosphorus Metabolism