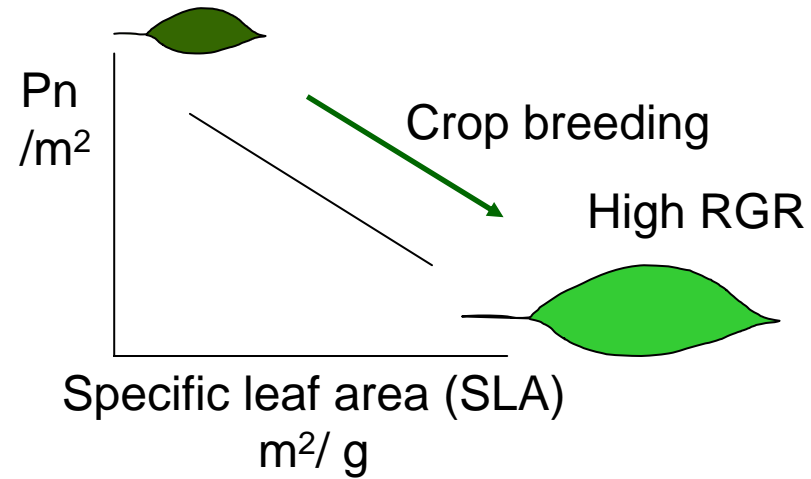
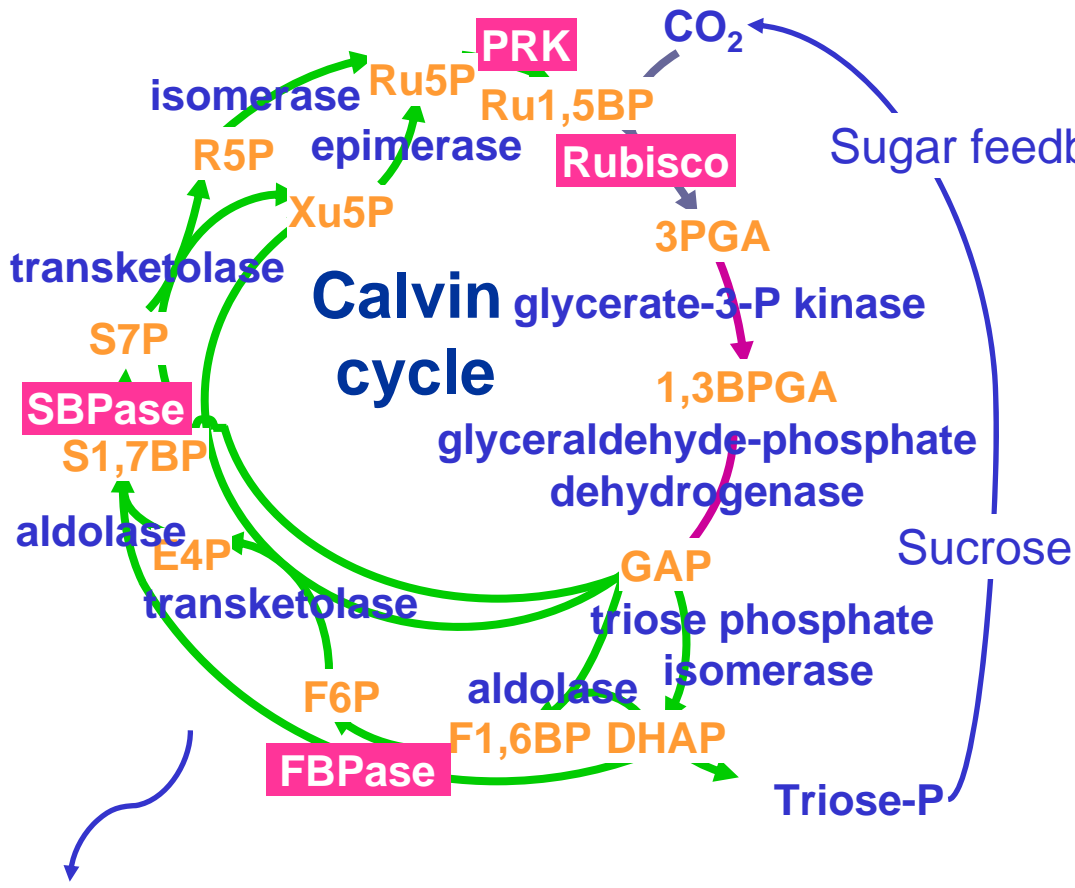
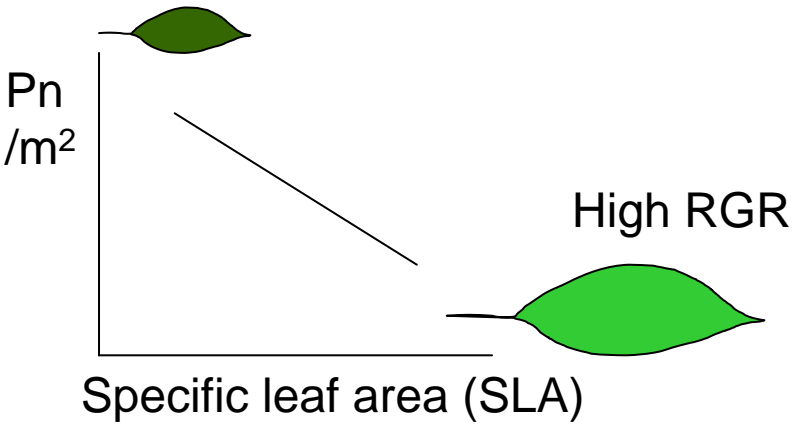
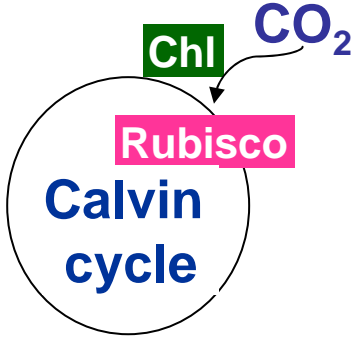
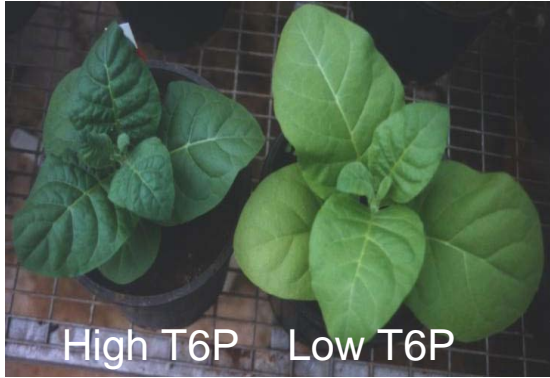
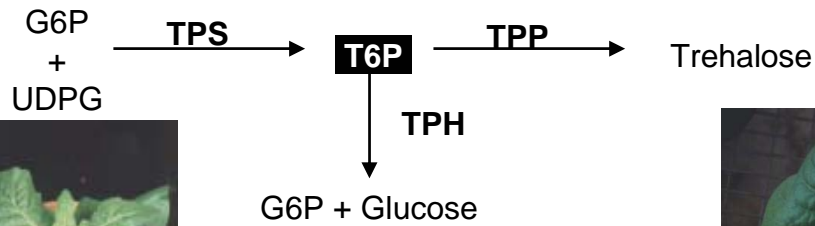


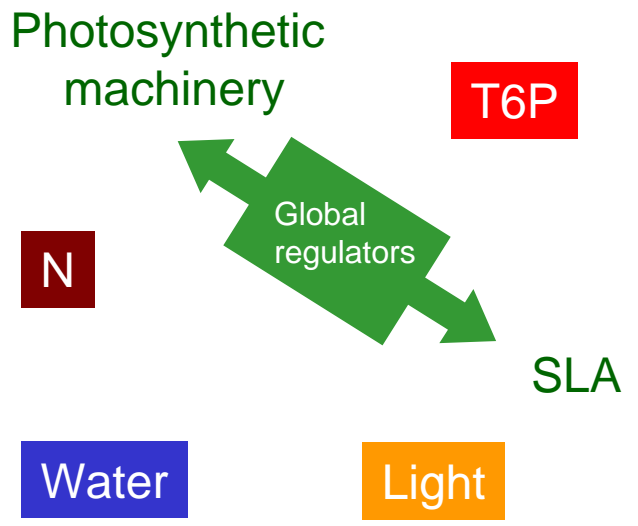
Integration of metabolism with the whole plant: the need for better understanding and mechanistic models



At the whole plant level
2 ways to regulate photosynthesis
- photosynthetic capacity of leaves
- leaf area



Regulation of whole plant photosynthesis/ productivity



Sugar feedback
 Regulation of sucrose and starch metabolism by T6P impacts on leaf development
 T6P - Metabolic signal linking cytosol with chloroplast and chloroplast with leaf development
 No mechanistic models linking metabolism with leaf area
 Genes